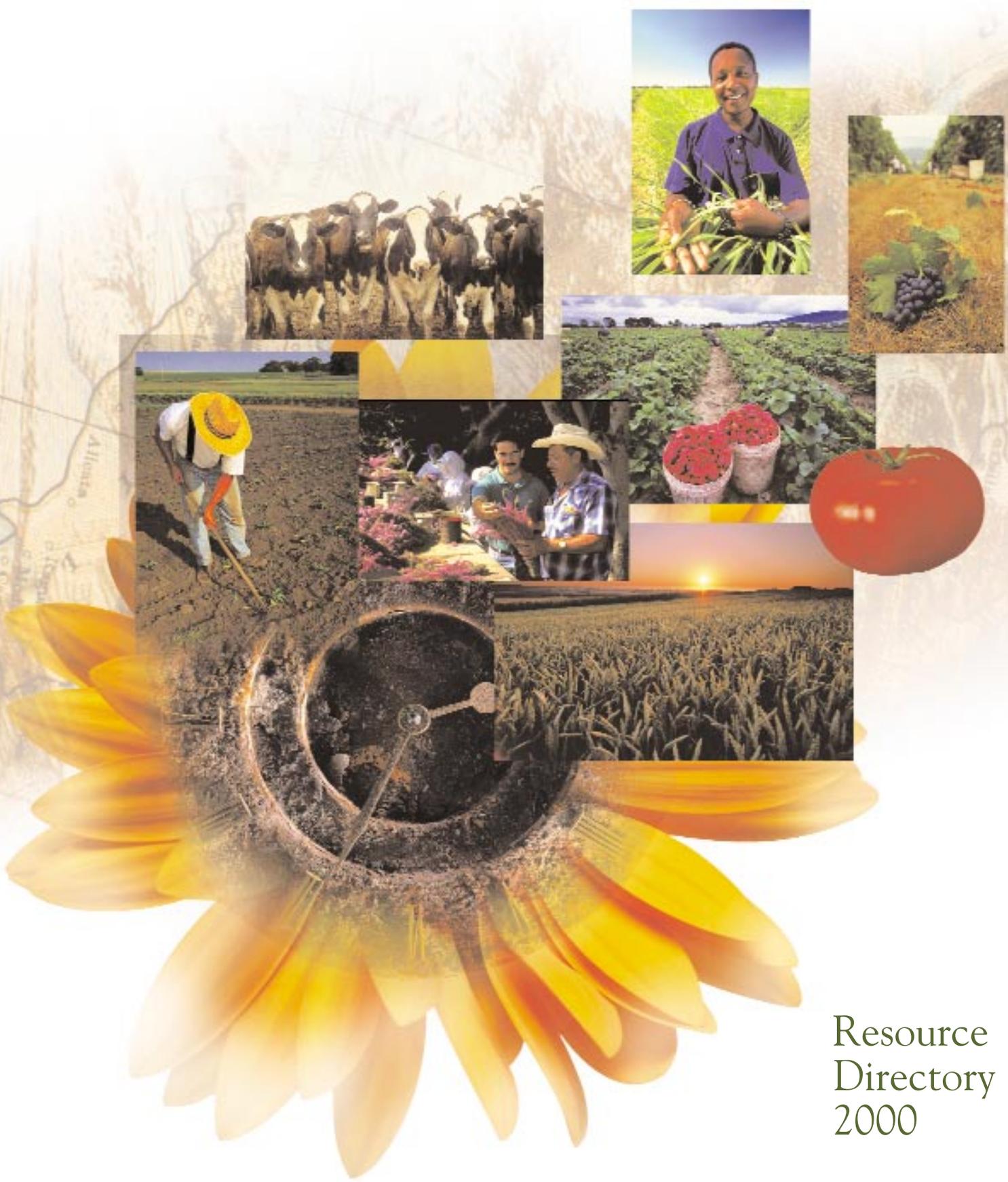


California Department of Food & Agriculture



Resource
Directory
2000

In Memory of Those Who Lost Their Lives While Protecting the State's Food Supply

"The compassion and commitment that these three individuals brought to a very important job were keys to their outstanding performance over the many years they worked to ensure a safe food supply for the people of California."

*William (Bill) J. Lyons Jr., Secretary
California Department of Food and Agriculture*

BILL SHALINE

*Senior Special Investigator
Meat and Poultry Inspection Branch
California Department of Food and Agriculture*



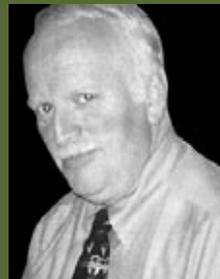
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California Department of Food & Agriculture



Resource Directory 2000

Letter by
Governor Gray Davis

Foreword by
William (Bill) J. Lyons Jr., Secretary

Published by
California Department
of Food and Agriculture
State of California

GOVERNOR

Gray Davis

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Governor Gray Davis

Dear Friends:

Agriculture plays a vital role in California's economy, generating approximately \$26.7 billion a year and providing one out of every ten jobs in the State.

California's unique blend of fertile soils and temperate climates, combined with our business and technological innovations, has helped to create the most sophisticated food and fiber production and distribution systems in the world. For more than 50 years, our farmers and ranchers have made this state the nation's leader in agricultural production, producing more than 350 crops—many of which are only grown here.

California is well positioned to take advantage of university-based research and new agricultural technologies. With the help of our extraordinary education system and high technology resources, we can increase agricultural production while maintaining the health of our natural environment.

On behalf of the people of the State of California, I invite you to utilize this resource directory as a tool to familiarize yourself with our State's agriculture industries, as well as the people and organizations that work to support them.

Sincerely,

A stylized, handwritten signature of Gray Davis in black ink.

GRAY DAVIS

Foreword

As a third-generation farmer and rancher, I know firsthand what it's like to depend on the land for a livelihood. Many outside factors have a profound influence on success in this business: the economy, consumer tastes, technology, international trade, government regulations, invasive pests and the weather. However, the one thing that has remained constant through the generations is pride in California agriculture.

Last year proved to be a strong production year. California's agricultural economy grew to nearly \$27 billion—a value that tops the output of any other single state in the nation. California's 89,000 farms and ranches are as diverse as our population, and it is from their diversity that we realize our greatest potential and strength. From specialty crops to large farming operations, our farmers and ranchers produce some 350 different crops and commodities. These men and women are the heart and soul of agriculture, and it is to them, and the citizens of California, that my staff and I dedicate our work every day.

At the California Department of Food and Agriculture, programs are continually being developed to strengthen pest and disease prevention activities and enhance the state's ability to respond to emergencies that threaten California and impact international trade. Other high priorities are to support improved quality assurance, or on-farm food safety management practices, as well as develop and promote marketing strategies that expand export opportunities.

Among the department's 2,066 employees—stationed at over 100 locations throughout the state—are scientists, economists, marketing specialists, laboratory technicians, administrators and communicators. These skilled individuals work diligently to create opportunity, helping our farmers and ranchers feed America and the world.

One of the ways in which we fulfill this mission is through publication of the *“California Agricultural Resource Directory.”* The 2000 edition provides a “spotlight” on one of California's premiere industries with facts and figures, county-by-county statistics and an extensive directory of industry resources and contacts.

I believe that working in partnership with California's agricultural, environmental, business and urban communities, we can seize the opportunities and preserve for our farmers and ranchers their share of the American Dream.

Sincerely,



William (Bill) J. Lyons Jr., Secretary
California Department of Food and Agriculture



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California Department of Food and Agriculture

A Year of Service to California Agriculture

Professionals at the California Department of Food and Agriculture are working in partnership with industry, academia and government to serve California's citizens by protecting and promoting our precious heritage and natural resource—**agriculture**. This snapshot of the last months of the millennium provides a review of the year in agriculture.

Major Events

As head of the California Department of Food and Agriculture, part of Secretary Lyons' duties is promoting the state's agricultural industry by participating in events and important meetings. The following is a brief look at several major events in 1999-2000 in which the secretary and members of his executive staff contributed:

BORDER GOVERNORS' CONFERENCE, SACRAMENTO

Secretary Lyons participated in the Border Governors' Conference hosted by California Governor Gray Davis. During this important meeting between the border states of Mexico and the United States, an agricultural worktable was formalized, and Secretary Lyons facilitated discussions on a variety of agricultural issues. The meeting was informative and allowed an exchange of ideas from agricultural officials representing both nations.

103RD MEETING OF THE UNITED STATES ANIMAL HEALTH ASSOCIATION, SAN DIEGO

In October 1999, the California Department of Food and Agriculture hosted the annual meeting of the United States Animal Health Association. Secretary Lyons welcomed more than 1,000 state and federal

animal health officials, practicing veterinarians, livestock producers and animal health scientists. He highlighted the strength and diversity of California agriculture and encouraged those in attendance to continue to develop strong state and federal partnerships, which are necessary to address animal health and food safety issues in the rapidly changing global economy. A multitude of animal health-related issues were discussed and action plans were developed that will be shared with appropriate state and federal agencies.

WORLD TRADE ORGANIZATION, SEATTLE

In November 1999, Secretary Lyons led a delegation of 14 agricultural leaders to Seattle for the World Trade Organization Ministerial Conference. Delegates witnessed discussions between leaders from throughout the world on various trade issues affecting agriculture. Delegates were also able to have one-on-one conversations with United States Department of Agriculture Deputy Secretary Richard Rominger, Undersecretary for Farm and Foreign Agricultural Services August Schumacher, and state agricultural leaders from across the nation.

Pictured are members of the California Department of Food and Agriculture's executive staff. Standing, at bottom of the stairs is Steve Lyle, Director of Public Affairs. First step from bottom, left to right, are Francine Kammeyer, General Counsel; and William (Bill) J. Lyons Jr., Secretary. Second step from bottom are Karen Manor, Special Assistant; and Chris Wagaman, Deputy Secretary. Third step from bottom are Dan Webb, Deputy Secretary; Vanessa Arellano, Assistant Secretary; and Tad Bell, Deputy Secretary.

WESTERN FAIRS ASSOCIATION CONVENTION, ANAHEIM

In January 2000, Secretary Lyons participated in the annual Western Fairs Association Convention by giving the opening remarks, holding panel discussions and attending several fair industry meetings. Secretary Lyons heard firsthand about challenges and opportunities facing the fair industry.

CALIFORNIA FARM EQUIPMENT SHOW AND INTERNATIONAL EXPOSITION, TULARE

In February 2000, at the largest farm equipment show and international exposition in the world—popularly referred to as the Tulare Farm Show—Secretary Lyons gave Secretary Dan Glickman of the United States Department of Agriculture a tour of the grounds and introduced him to members of the industry. Secretaries Glickman and Lyons were able to engage in a number of discussions with industry representatives about issues facing California agriculture.





NFACT

Bridging the gap in representation of specialty crop and livestock agriculture at the federal level, five state departments of agriculture formed a coalition to bolster their efforts aimed at protecting and promoting agriculture in their respective states.

The departments of agriculture from New Mexico, Florida, Arizona, California and Texas (NFACT) represent over 25 percent of American agricultural receipts as well as 27 percent of the United States Congressional delegation. This significant representation has been leveraged into meetings with high-ranking federal officials to bring attention to NFACT issues.

Formed in 1999, NFACT has coalesced into an organization known for its strong stance on issues such as animal and plant health, food safety, conservation, international trade, research and risk management. Currently, NFACT is preparing to host Farm Bill listening sessions throughout New Mexico, Florida, Arizona, California and Texas. These forums will provide input that NFACT will use to educate its congressional delegation. The goal is to have meaningful and concise policy recommendations ready for consideration when the next Congress and new federal administration begin their farm policy deliberations.

“...our cooperative [Medfly] Preventative Release Program has been highly effective in neutralizing the threat of this pest’s establishment in the California basin. This innovative strategy is a positive trend, and one that we are considering for use in other states searching for alternatives to chemical control for pest infestations.”

—Dan Glickman, Secretary
United States Department of Agriculture

Improved Methods of Pest Prevention

New pest pathways and increased pest pressures go hand-in-hand with California’s rising population and the increased movement of goods and materials into the state. While increased travel and trade bring economic opportunity, they also present challenges to the pest prevention system. These challenges include monitoring increasing volumes of cargo that can carry hitchhiking pests, conducting detection activities over expanding urban areas, and developing control programs for a growing number of established pests.

In 1999, the California Department of Food and Agriculture screened or inspected more than 42 million vehicles, parcels and other shipments entering the state; monitored close to 108,000 fruit fly and other detection traps; undertook seven emergency fruit fly eradication projects; and completed more than 100 other control and eradication efforts.

Keeping pests out of the state—known as “exclusion”—is the best way to

manage this growing pest threat. To accomplish this goal, the department recently embarked on two major initiatives—the Agricultural Parcel Inspection Program and the Medfly Preventative Release Program.

Since not all shippers are aware of state restrictions on the transport of fruits, vegetables and other plant materials, packages that move through parcel facilities present a particular challenge to exclusion inspectors. To find unmarked packages containing plant materials, the new Agricultural Parcel Inspection Program has installed detector dogs at these facilities, bridging a gap in the pest exclusion network.

Already, the Agricultural Parcel Inspection Program has proven to be a cost-effective and efficient means to detect unmarked agricultural parcels. Thousands of packages infested with potentially harmful pests have been intercepted. The program has been so successful that nationwide expansion of dog inspection programs was recommended in a recent review of the federal pest prevention system.

The Medfly Preventative Release Program is aimed at stopping any re-infestation of the Mediterranean fruit fly, which first entered the state in 1975. Between 1987 and 1993, there were an average of 7.5 infestations per year, leading to recurring, expensive and unpopular eradication projects.

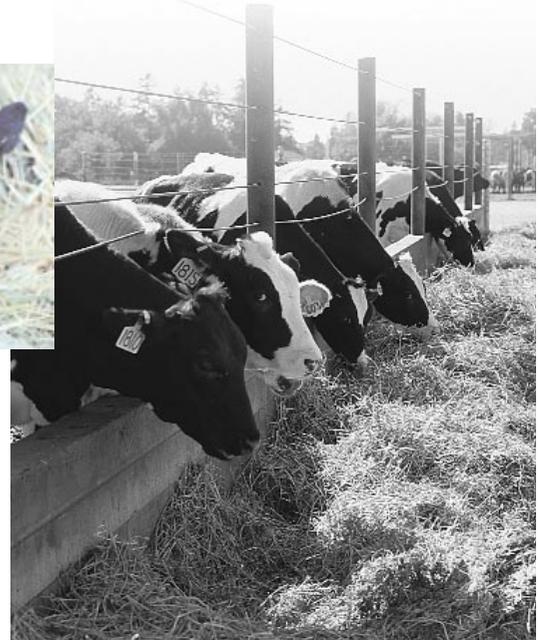
The program releases millions of sterile Medflies in the high-risk areas of Southern California. This technique works by preventing fertile insects from reproducing and establishing breeding populations. Since the program was inaugurated, the number of infestations in the Los Angeles Basin has dropped by 96 percent.



A Partnership to Deliver Quality Dairy Products and Protect the Environment

The California Dairy Quality Assurance Program is a voluntary, producer-directed education and certification program developed to address environmental stewardship, food safety, and animal health and welfare. Representatives from industry, government and academia support this effort.

With concerns over environmental issues on the rise, a special steering committee determined that environmental stewardship should be given a high priority. The task was to develop and fund an environmental education and certification program that would receive regulatory approval.



Facilitated by the department, state and federal environmental regulatory agencies agreed to participate in the Environmental Stewardship Partnership Agreement. Secretary Lyons welcomed the addition of the United States Environmental Protection Agency to the partnership at a signing ceremony on September 9, 1999.

An additional highlight of the signing ceremony was the award of nearly \$444,000 in grant funding from the United States Environmental Protection Agency for educational efforts and non-regulatory environmental dairy evaluations. Faculty members from the University of California Cooperative Extension are providing these services. More than 850 dairy producers have finished all six hours of the training and an additional 550 producers have taken at least two hours of training.

Members of the partnership have cooperatively developed a checklist that consolidates all federal, state and local environmental regulations into one document. This is the first time such a unified resource has been available. Third-party evaluators use this information to certify that a dairy is in compliance with environmental regulations. Dairy foods specialists from the department are currently providing the evaluations, which are funded by the federal grant. It is anticipated that approximately 1,000 dairies will be evaluated.

This is another example of a successful partnership between government, industry and academia in California.

Partnership

Representatives of the following agencies signed the Environmental Stewardship Partnership Agreement:

- California Environmental Protection Agency
- California Department of Fish and Game
- California Department of Food and Agriculture
- California Farm Bureau Federation
- California Manufacturing Milk Advisory Board
- California Resources Agency
- Milk Producers Council
- State Water Resources Control Board
- United States Environmental Protection Agency
- USDA Animal Plant Health Inspection Service
- USDA Farm Services Agency
- USDA Natural Resources Conservation Service
- University of California
- Western United Dairymen

State Board of Food and Agriculture

The California State Board of Food and Agriculture advises the governor and secretary on agricultural issues and consumer needs. The board may undertake investigations, conduct public hearings, or prosecute actions concerning any matter under jurisdiction of the Department of Food and Agriculture.

The board's 15 members are appointed by the governor and are carefully selected to represent a broad range of agricultural commodities, a variety of geographic regions, and both the University of California and State University academic systems.

Members of the board are residents of California and are specially qualified for service through expertise or experience in the following arenas: farm, business, economic, environmental, or consumer affairs.

Members serve four-year terms without pay, and appointments do not require Senate confirmation.





CDFA Board Members

Charles “Chuck” Ahlem

Dairy farmer representing the agricultural industry, from Stanislaus County

W.R. “Reg” Gomes, Ph.D.

Representing the University of California Agriculture and Natural Resources Division, from Alameda County

Jackie Heather

Representing the general public with expertise in the environment, from Orange County

Joseph Jen, Ph.D.

Representing the California State University College of Agriculture, from San Luis Obispo County

John Kautz

Diversified farmer representing the agricultural industry, from San Joaquin County

A.G. Kawamura

Produce grower and shipper representing the agricultural industry, from Orange County

Edward McGrew

Vegetable farmer representing the agricultural industry, from Imperial County

Alfred Montna

Rice grower representing the agricultural industry, from Sutter County

Myron Openshaw

Cattle rancher representing the agricultural industry, from Butte County

Pete Penner

Diversified farmer representing the agricultural industry, from Fresno County

William “Bill” Ramsey

Fresh produce farmer representing the agricultural industry, from Monterey County

Kerry Tucker

Representing the general public with expertise in consumer affairs, from San Diego County

Montgomery Winkler

Citrus grower representing the agricultural industry, from Ventura County

The California State Board of Food and Agriculture meets the last Wednesday of every month at the California Department of Food and Agriculture’s main auditorium, unless otherwise notified. The public and media are welcome to attend.

County Agricultural Commissioners and Sealers of Weights & Measures

The California Legislature first established the county agricultural commissioner system in 1881. Under the original act, the position was referred to as County Horticultural Commissioner and was charged with protecting and promoting horticultural interests of the state.

Since that time, not only has the name changed but the duties and responsibilities have greatly expanded. Today, the county agricultural commissioner and staff are local enforcement agents for the California Department of Food and Agriculture and California Department of Pesticide Regulation.

County agricultural commissioners are licensed by the California Department of Food and Agriculture and are appointed by their respective county board of supervisors. Commissioners manage programs and agricultural enforcement activities at the county level as mandated by the California Food and Agricultural Code and the California Business and Professions Code. Chief among these duties is protection of consumers and the environment.

Environmental protection programs safeguard agriculture and the public. This is accomplished by pest prevention

activities—exclusion, detection, management and eradication—as well as pesticide regulation enforcement.

Consumer protection entails regulating the quality of eggs, fresh fruits and vegetables; certifying local farmers’ markets; regulating organic producers; monitoring conditions of nursery products; and assuring the purity and viability of agricultural seed. Commissioners also provide apiary services upon request.

In addition to these important functions, most agricultural commissioners also serve as sealers of weights and measures. In this capacity, they perform regulatory testing of weighing and measuring devices. In order to carry out this charge, it is necessary to maintain certified standards that are traceable to the National Institute of Standards and Technology. Equity in the marketplace and protection of the public are accomplished by enforcing accuracy of net content statements, specialized measurements, petroleum price advertising and weighmaster enforcement.

Accuracy of weights and measures has been important to all segments of society since ancient times. Today, just as then, a very high percentage of items bought and sold are done so by quantity (weight, measure or count). As the impartial third party in every such transaction throughout the state, the sealer and their qualified inspectors help to ensure equity and fairness in the marketplace.

Some commissioners may also have the added responsibilities of air pollution control, underground storage tank inspection, hazardous materials programs, as well as occasionally working on land use planning issues and right-to-farm ordinances.

In promoting agriculture and protecting the public and environment, the agricultural commissioner’s roles and responsibilities continue to create public value and trust.

Nearly all of California’s 58 counties have an agricultural commissioner and sealer. For contact information, refer to the directory section of this publication.

Agriculture in the New Millennium: Based on Sound Science

Did you know that the California Department of Food and Agriculture is a **scientific** institution? Using sound science to solve modern day problems is a trademark of the department's professionals, many of whom are recognized as world authorities in their discipline and play active roles in the world's scientific community. These men and women personify the commitment and ingenuity that the future demands.

Of more than 2,000 employees in the department, 12 percent (240) are professional scientists. They work in 45 different disciplines, such as entomology, agricultural chemistry, seed botany, veterinary medicine, environmental resources and many others. These professionals practice almost every type of field and laboratory science, such as applied and basic research, microbiology, chemistry, pathology, pest identification, pesticide residue testing and integrated pest management.

Facilities and equipment rival those of major research and teaching institutions. One of the best examples is the new Plant Pest Diagnostics Center. It is a 50,000-square-foot laboratory complex that houses one of the largest insect collections in the western United States, one of the world's largest collections of seeds, a 30,000-specimen plant herbarium, a 50,000-volume library and one of the best electron microscope laboratories in California.

The California Department of Food and Agriculture also has one of the finest agricultural chemistry facilities and is a partner in the world-renowned California Animal Health and Food Safety Laboratory System, which is administered by the University of California at Davis, School of Veterinary Medicine.

Each day, however, the department faces new challenges to maintain state-of-the-art facilities and equipment. There is ever-changing technology that must be added to the department's arsenal and we must find ways to successfully compete for the best and brightest people. To meet these challenges, Secretary Lyons has begun a new science initiative within the department. The initiative will identify needs, and enhance procedures and protocols to ensure that the department is practicing the very best of each discipline. The goals are to develop new ways to attract and keep the best people and expand the role of scientists in policy development.

As a means to illustrate the quality of the work and people who are key to success of the California Department of Food and Agriculture's scientific programs, the following pages feature short profiles of only three of the many individuals whose professionalism and dedication represent the spirit of science in the department.

Please see profiles on pages 12–14

Art of Partnership: Farmers' Markets and Organic Agriculture

Farmers' markets, operated through the Certified Direct Marketing Program, are widely recognized as one of the best ways to put a real face on agriculture—consumers have an opportunity to actually meet growers and talk with them about their crops and farming in general.

Likewise, California's organic farming community often utilizes farmers' markets as a primary tool to reach consumers. The combined innovations and resourcefulness of these two centers of creativity form a unique partnership that has contributed to California's position as the undisputed leader in agriculture.

Please see page 15



Dr. Anita Edmondson Staff Veterinarian

Animal Health Branch, Animal Health and Food Safety Services

Anita Edmondson grew up near farms and mills and small towns, experiencing life close to the land. It was England, the same land where James Herriot practiced veterinary medicine and wrote his inspiring stories about life as a country vet. It was from these early beginnings that she developed a passion for animals and science.

Dr. Edmondson was educated in Britain and attended the University of Edinburgh, Scotland, where she received her veterinary medicine degree and became a member of the Royal College of Veterinary Surgeons in 1981.

After practicing both large and small animal veterinary medicine in Britain, she completed an internship in non-domestic medicine at the San Francisco Zoological Gardens in 1983. She then completed a residency program in food animal medicine and herd health, and received a masters of preventive veterinary medicine degree from the University of California at Davis, School of Veterinary Medicine in 1987.



From 1987 to 1994, Dr. Edmondson worked as a veterinary faculty member and post-graduate researcher with the School of Veterinary Medicine at Davis. In April 1994, she joined the California Department of Food and Agriculture with the Animal Health Branch.

Today, Dr. Edmondson administers the statewide effort to oversee livestock disease control in California. With a specialty in livestock

health management, she applies her extensive knowledge to the department's disease control and eradication programs.

Dr. Edmondson is encouraged by the state's progress in controlling the spread of livestock diseases. In 1997, the United States Department of Agriculture declared California free of brucellosis, a bacterial disease of cattle causing abortions and lowered milk production. The disease can transfer to humans and cause severe flu-like symptoms that can last for

months or even years if left untreated. Brucellosis-free status greatly enhanced the national and international marketability of California beef, a \$1.2 billion segment of the California economy.

In October 1999, California achieved the United States Department of Agriculture's "accredited-free" status for bovine tuberculosis. Animal health officials had battled this disease for more than 80 years. As the largest dairy state in the nation, this fight included the challenge of mobilizing a state/federal workforce to test more than a million dairy cows every three to five years. With the elimination of the disease, California's cattle herds will be more productive through better health, and the possibility of tuberculosis transmission from animals to humans is better controlled. Bovine tuberculosis, when spread to people, can cause crippling injuries to bones and organs, and can even lead to death if untreated.

The eradication of these livestock diseases from California required determination, creativity, and the combined efforts of government, private veterinarians and industry personnel. California is now recognized as a model for the rest of the nation because of innovative measures and cooperation with various agencies at the local, state and federal levels. The maintenance of a thorough system—conducted in concert with the United States Department of Agriculture—to detect brucellosis and tuberculosis in cattle is still critical in preventing these diseases from ever becoming reestablished in California.

Another area of concern for the Animal Health Branch is surveillance and reporting of infectious diseases that are currently not known to occur in the state. One such disease under surveillance is the West Nile virus, a form of mosquito-borne virus never before seen in the Western Hemisphere. In early September 1999, public health and wildlife officials in Connecticut, New York and New Jersey became aware of an outbreak of mosquito-borne encephalitis. Research by these officials—and their colleagues at the Centers for Disease Control and Prevention and the United States Army Medical Research Institute of Infectious Diseases—found that the West Nile virus caused the encephalitis outbreak.

While no known cases of the West Nile virus have been found in California, the California Department of Food and Agriculture is actively working with veterinary professionals who would be most likely to observe a disease like this in animals.

"Working in consultation with affected industries and other scientists from all levels of government and in academia, I have had the opportunities to influence how livestock diseases are controlled within California and the nation," said Edmondson. "For me, there is no more satisfying work than protecting California's food supply."

Baldo Villegas

Associate Environmental Research Scientist (Entomologist)

Biological Control Program, Plant Health and Pest Prevention Service

As a young man growing up in California's San Gabriel Valley, Baldo Villegas attended La Puente High School and met a teacher who had a profound influence on his life. He taught biology and was also an entomologist, which is a branch of zoology that deals with the study of insects. From this early beginning, Villegas' enduring interest in bugs and plants was seeded.

Villegas attended the University of California at Davis where he received both a bachelor of science and then master's degree in entomology in the early 1970s.

In the fall of 1978, Villegas joined the California Department of Food and Agriculture as an entomologist in the newly created Biological Control Program. The program was established out of an increasing awareness of pest resistance to pesticides and the need for cost-effective and environmentally friendly long-term control measures. This principle is the basis for what is commonly known as "integrated pest management," which is a sustainable approach to managing pests in a way that minimizes economic, health and environmental risks.

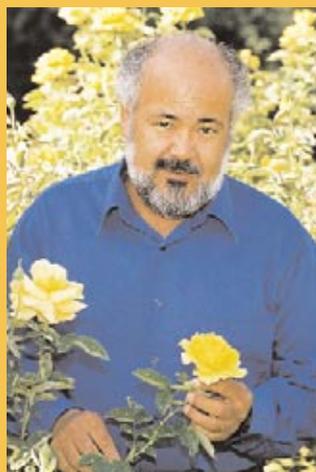
Villegas and his colleagues help to minimize the economic and environmental impact of weed and insect pests through biological control programs. Biological control is a global scientific strategy for managing pests that has been conducted for more than 100 years and has resulted in many successful programs. Throughout the 20th century, this technique has proven to be both safe and effective. Implementation of such programs requires locating appropriate natural enemies—called biological control agents—supervising their release in the field, and evaluating their effectiveness in agricultural, natural and urban environments.

Villegas' extensive experience covers two decades of research into biological control of insect and weed pests, integrated pest management and insect classification, particularly of parasitic wasps. In his current position he is responsible for coordinating weed biological control agent programs throughout the state of California. Weed pests cause billions of dollars in damage annually not only to agriculture, but also to recreational and tourist industries. These plants severely threaten biodiversity,

habitat quality and ecosystem functions. Across the United States, weed pests are raging out of control.

Over the years, Villegas and his colleagues have used biological control agents for such pests as the western grapeleaf skeletonizer; yellow starthistle; purple starthistle; purple loosestrife; puncturevine; bull thistle; Russian thistle; musk thistle; Klamath weed; and diffuse, spotted and squarrose knapweeds.

The western grapeleaf skeletonizer was a major insect pest in the late 1970s through the mid-1980s in the San Joaquin Valley and other areas of California. Villegas played a key role in implementation of a very successful biological control program against the grapeleaf skeletonizer. Through the introduction of three natural predators, this grape pest was brought under complete biological control by the end of the decade.



Yellow starthistle is an exotic noxious weed that has become one of California's worst pests, covering an estimated 16 million acres in the state. If eaten by horses, this weed becomes deadly by killing a portion of its brain. Yellow starthistle can spread quickly and profusely, displacing other plants and turning prime grazing land into worthless weed pastures. The end result is an eventual degradation of both the ecology and economic value of the land.

Through successful introduction of a biological control agent, the hairy weevil, the management plan for yellow starthistle could become a model for the control of exotic weeds over wide areas. To date, hundreds of thousands of these weevils have been released at over 900 sites in 49 counties throughout California.

"This program involves working closely with county agricultural commissioners throughout the state," stated Villegas. "This relationship with local officials has been essential in order to redistribute new biological control agents in a highly effective manner."

When Villegas is not fighting noxious weeds and insect pests, he is in the garden growing beautiful, show-stopping roses. His home rose garden consists of more than 600 plants. Since 1987, he has served as a horticulture judge and consulting rosarian for the American Rose Society. In 1997, Villegas was recognized for his many contributions to the cultivation of roses with the highest district honor given to an individual by the American Rose Society—the Silver Medal.

Villegas is happy with progress made in finding biological control agents against weeds in California. The inclusion of biological control alternatives in pest prevention programs is helping to ensure a continuous, plentiful supply of agricultural products that are safe for the consumer, the environment and agricultural workers.



Marjorie J. Moody Insect Biosystematist

Pink Bollworm Program, Integrated Pest Control Branch

Most of Marjorie Moody's formative years were spent in Troy, Ohio. She was interested in natural history and enjoyed her own private sanctuary behind her house—a remnant of the old 19th century canal system that formed part of the Erie Canal.

It was here in this small wooded area that she became familiar with a great many migratory birds. When she was eleven years old, her mother gave her a book titled *"The Earth and its Life"* by A. Waddington Seers, and she calls it "the book that changed my life." After an enthusiastic reading, she decided that she wanted to go to college and study the sort of things it described.

In 1950, Moody graduated from the University of California at Los Angeles with a bachelor of arts in zoology. It was not long after graduation that her former entomology instructor, Dr. J.N. Belkin, offered her a job maintaining a mosquito collection for scientific study. From there she accepted a position with California State University at Los Angeles as the Biology Department museum curator.

In 1968, she learned about an interesting new project at the California Department of Food and Agriculture, the Cooperative Pink Bollworm Program. Her curiosity with this new program could not be denied, so she applied and was hired for the position of taxonomist. For more than three decades now, this program has been her passion.

The Pink Bollworm Program is perhaps the most successful and longest running, yet least known biological control program in the world. It was established because pink bollworm threatens the 900,000 acres of cotton grown in the San Joaquin Valley, which is valued at nearly one billion dollars annually.

In operation since 1967, California's cotton growers fund the program almost entirely through a self-assessment. The United States Department of Agriculture contributes the remaining 5 percent of the funding. For 32 years, the program has successfully prevented infestations of pink bollworm from becoming established in cotton growing areas of the valley. The Pink Bollworm Program uses an integrated pest control approach relying on trapping, sterile release, crop destruction and occasional pheromone treatments to keep infestations down.

The program does not use pesticides, but rather uses sterile moths to overwhelm the native population. If pink bollworm were to become established in the San Joaquin Valley, in the absence of this program, it is estimated that an additional six million pounds of pesticides would have to be used every year to control an infestation.

Over the summer months, one billion sterile pink bollworms are mass-raised and dropped from airplanes over 27,000 acres of cotton. To monitor the program, nearly 14,000 traps must be checked regularly to see how many native moths have survived. Marjorie Moody works with three other identifiers to screen this vast number of traps, which are usually cluttered with brightly dyed sterile moths. She is looking for the one or two undyed moths from the native population.

In the off-season, Moody manages the California Department of Food and Agriculture's spider collection. From throughout California, county agricultural commissioners forward spider specimens to the department that are brought in for identification by homeowners, or collected by county staff in the course of their regular duties. Moody will also receive material from California border inspection officers who intercept potential pests.

A book she acquired early in her career, *"How to Know the Spiders"* by B.J. Kaston, sparked a life-long enthusiasm for the eight-legged creatures. Although they may be one of the best agricultural predators, spiders are among the least-understood arthropods. Traditionally, Chinese farmers have protected and even housed spiders, using them as a natural way to control crop-eating insects. Famed arachnologist W.S. Bristowe once estimated that an average country acre was home to 2.5 million spiders, with each one making a serious contribution to reducing insect pests in the field.

The spider collection managed by Moody is considered unique—and a major resource—because it includes spiders from throughout California. For that reason, scientists and researchers come from around the United States to examine the hundreds of thousands of spiders maintained in the collection.

Marjorie Moody is currently training to be a part-time docent at the Kaweah Oaks Preserve in Tulare County, where she is able to fully enjoy her many interests, including bird watching and spider hunting.

Continued from page 11

Farmers' Markets

With brilliant colors, intense flavors and distinctive textures, foods from farmers' markets both tempt and delight. California's 375 certified farmers' markets allow 5,000 producers to bring their produce directly to consumers. Shoppers in turn get to know the people who grow their food. Often this will be vine-ripened fruit, vegetables picked fresh that morning, heirloom varieties, or organically grown produce—all treasures that are otherwise hard to find.

These markets operate on the general principle of offering fresh food that has been grown or produced by the people selling it. The end product is evidently what consumers want—in the past six years, farmers' markets have increased nationwide by nearly 60 percent.

Communities win too: such markets have often revitalized fading downtowns. Today, farmers' markets attract other products and vendors, and even entertainment, to create unique community events with a true street fair atmosphere. Sponsors of farmers' markets vary, but the most common organizers are merchant associations, social groups, nonprofit organizations, downtown improvement associations and church groups.

Farmers gained the ability to sell their commodities through direct marketing in California 24 years ago. With legislative authority, the California Department of Food and Agriculture developed regulations putting the direct marketing program into place. Before direct marketing, growers were permitted to sell their products on or adjacent to property where the product was grown, exempting them from standard packaging, labeling and size requirements. Then, as now, quality requirements remain the same.

Products that can be sold at certified farmers' markets are fresh fruits, vegetables, honey, nuts, eggs and nursery products. Related agricultural products can also be sold in the vicinity of the certified farmers' market, including processed fruits and vegetables, juices, jams, jellies, fish, livestock and poultry products. Food vendors, bakery products and crafts can be associated with the market, but must be outside the bounds of the certified market.

County agricultural commissioners must first inspect the land to verify that products sold are truly grown by the individual producer. They then document products to be sold at a farmers' market and issue a certificate indicating the farmer is a certified producer.

Certified farmers' markets are run by a credentialed manager who has obtained a Certified Farmers' Market Certificate, issued by the county agricultural commissioner, in order to ensure that the market will conduct business according to appropriate laws and regulations. Markets can establish their own rules to help them conduct business.

Certified farmers' markets are an extremely popular way for a small grower to sell directly to the public. As evidenced by the increasing number of markets and producers, the original founders of this concept truly saw a niche and filled it.

Organic Agriculture

Organic farming is a management system that enhances biodiversity, biological cycles and soil activity to produce healthy plants, soils and animals, thus fostering human and environmental health.

California organic products have been available in the marketplace for the last 20 years. Many consumers are choosing to purchase organic foods to meet a number of perceived needs: benefits to the environment, flavor, freshness, personal preference and a desire to support the small farmer.

Currently there are more than 2,000 organic producers in California and the industry is continuing to grow at an amazing rate. In California, total gross sales grew to \$156 million in 1998. Further research reveals there has been a 20–24 percent increase every year for the last ten years in sales of organic foods. More than 70 commodities representing every major group are produced and marketed as organic. Produce—vegetables, fruits and nuts—dominate the organic farm sector. The sale of organic products direct to the consumer at farm stands and certified farmers' markets represents an important segment of the market. Additional outlets for organic products are grocery stores, natural foods co-ops and restaurants.





The prospect of rapid growth is strong for organic agriculture, creating the number-one challenge facing the industry: credibility. Because of this, organic producers have worked diligently with government to develop uniform standards.

California's organic agriculture is regulated by the California Organic Foods Act, which was signed into law in 1990. Its main goal is to protect producers, handlers, processors, sellers and consumers of organic foods sold in California by assuring that foods represented as organic meet consistent standards. This law divides responsibility between the California Department of Food and Agriculture and the California Department of Health Services. The California Department of Food and Agriculture regulates fresh market produce, eggs, seed, fiber, feed and horticultural products, along with processed meat, fowl and dairy products. The Department of Health Services regulates processed food products other than meat, fowl and dairy products. The California Organic Foods Act establishes registration procedures, standards, labeling requirements and enforcement guidelines for food products represented and sold as organic.

Producers and handlers of fresh market produce, eggs, seed, fiber and horticultural products, as well as processors of dairy, meat and fowl, must register with the county agricultural commissioner. Processors and handlers of other processed food products must register with the Department of Health Services.

Registrants must label their organic products according to specific requirements of the California Organic Foods Act. County agricultural commissioners enforce labeling requirements for raw agricultural products. In addition, in order to label products as certified organic, registrants must have a state-approved organization certify their products, and they must also include the name of the certification organization on the product label. Certification organizations set standards for organically produced food and certify those complying with its standards.

The department has implemented the California Organic Foods Act by coordinating and supervising county efforts, training county biologists, initiating investigations of complaints, conducting spot inspections, reviewing pesticide use records, registering private certification organizations, auditing the certifiers, monitoring the program and resolving enforcement disputes.

The act provides for establishment of the California Organic Food Advisory Board. The board was established in 1991 and has fourteen members consisting of six producers, two processors, one handler or retailer, two consumer representatives, one environmental representative and two technical representatives. The board makes recommendations to the Secretary of the California Department of Food and Agriculture on all matters pertaining to the California Organic Program.

The federal Organic Foods Production Act of 1990, adopted as part of the 1990 Farm Bill, also regulates organic production. This federal law requires the United States Department of Agriculture to develop national standards and regulations for organically produced agricultural products. The federal law has not yet been implemented, but revision of the proposed regulation for the National Organic Program is expected to be made final later in 2000. The California Department of Food and Agriculture hosted six listening sessions to gather input from the industry and public regarding the proposed federal program.

After full implementation of the federal program, the department and organic industry will decide how the California Organic Program will need to be changed and what aspects will remain in effect.

From its early beginnings, California's policy for organic producers has been the de facto national policy, making a strong impact on current national standards. As in other aspects of agriculture, California is leading the way.

Are You Thirsty for Milk Price Comparisons?

Over the past few years, fluctuating milk prices have attracted the attention of consumers. In an effort to meet the informational needs of consumers as well as legislative mandate, the California Department of Food and Agriculture has implemented a milk price survey.

In January 2000, the department began conducting the Consumer Milk Price Survey. This public information program is conducted on a monthly basis and provides California consumers with information on retail milk prices. Each month, selected stores are surveyed to determine the price they charge per gallon for every brand of milk sold in their store. Prices are available for each type of milk, including whole milk, reduced fat milk, lowfat milk and skim milk.

To aid consumers in identifying the retail price of milk in their area, the milk price survey provides a list of:

- Store names
- Store addresses
- Brands of milk sold in one-gallon increments
- Type of milk offered for sale
- Time period that price applies
- Price charged for the milk

Consumers can determine the type of store that most suits them by selecting from the following options:

- Membership stores
- Major grocery chains
- Medium-sized grocery operations
- Small grocery stores

Valuable consumer information is now just a click away, 24 hours a day!

With the posting of monthly prices, consumers can find the best place to shop for milk. These price comparisons are maintained on the department's Web site at www.cdffa.ca.gov/dairy and toll-free information line at 1-888-930-MILK.

Public Outreach and Communication



The Glassy-winged Sharpshooter: Threatening our Fields, our Economy and our Lifestyle

A small insect with transparent wings has emerged as the most significant threat to California agriculture in 20 years. The glassy-winged sharpshooter, native to Mexico and the Southeastern United States, has infested a number of counties in southern and central California.

While the insect itself can be a pest, it is the insect's ability to carry a deadly plant pathogen that has sounded the alarm among growers, researchers and government agencies, including the California Department of Food and Agriculture.

Pierce's Disease Threatens to Choke an Industry

The glassy-winged sharpshooter is a carrier of *Xylella fastidiosa*, a deadly bacterium that, in grapes, causes Pierce's disease, a malady that can kill entire vineyards by choking off the plants' ability to use water and nutrients. Pierce's disease in California goes back at least 120 years. An epidemic occurred in vineyards in Orange County in the 1880s and again in the 1930s and 1940s.

Pierce's disease is already causing millions of dollars worth of damage in the bountiful Napa Valley. The culprit there is the glassy-winged sharpshooter's smaller cousin, the blue-green sharpshooter. However, the glassy-winged sharpshooter presents an even greater threat. It flies deeper into

vineyards than the blue-green sharpshooter and can more easily puncture thick stems, putting more plants at risk.

Many miles to the south, in the Temecula-area of Riverside County, the glassy-winged sharpshooter has already demonstrated its destructive potential, causing an estimated \$12 million in damage to vineyards over the last three years. Some believe the wine-grape crop there will be completely destroyed unless a cure is found soon for Pierce's disease.

Grape vines are not the only target. Various strains of *Xylella fastidiosa* are also fatal to almonds, citrus, alfalfa and oleanders. In all, the glassy-winged sharpshooter can feed on several hundred species of plants.

Urban Nuisance

Making matters worse, the glassy-winged sharpshooter has the potential to harm our quality of life. The pest is an urban nuisance that can pollute cars, parks, parking lots, backyards, streets and

sidewalks. The explanation is biological—sharpshooters consume more than 10 times their body weight each day and, in order to make use of the nutrition, they have to filter out minerals and amino acids, producing a sizeable droplet of body waste about every three minutes. By autumn, accumulated droppings cause trees, and the ground beneath, to look like someone sprayed a coat of whitewash everywhere. Ash, citrus, sycamore, macadamia and crepe myrtle trees are among the sharpshooters' favorite places to call home.

Commitment to Fight Back

California Governor Gray Davis is committed to fighting back against this threat. Acting quickly, the governor led a push for federal and state funding for programs to contain the spread of this pest. Approximately \$31 million will be used for eradication and control programs and another \$8 million for research.

Researchers have only begun taking a hard look at Pierce's disease. They need





time. So, high-risk shipments of wholesale nursery stock, bulk grapes and citrus are being tightly regulated by the California Department of Food and Agriculture to try and keep the pest—and the disease—from moving to the north and to the west.

New regulations require full inspection and treatment of nursery stock. This has changed the way that some nurseries do business. Those in infested areas are required to certify that shipments to non-infested areas are free from the glassy-winged sharpshooter. A few nurseries have chosen to stop shipping altogether to non-infested areas, at great sacrifice to the bottom line. As a whole, the nursery industry is to be commended for its dedication to the program.

By the end of July, with the annual grape harvest getting underway throughout California, additional regulations were applied to the movement of bulk grapes. County agricultural commissioners along with inspectors from the California Department of Food and Agriculture and the United States Department of Agriculture, worked together to monitor the harvests and inspect loads.

And in November, the surprise discovery of glassy-winged sharpshooters in citrus packing facilities brought a quick decision to impose emergency regulations on those crops when they move from infested areas to non-infested areas.

On the research front, the department sees hope in a parasitic wasp, native to Mexico, which feeds exclusively on glassy-winged sharpshooter egg masses. The wasp has been mass-reared and released in several California counties. In 2001, the intention is to make much larger releases in infested areas around the state.

Again, the key to winning the battle against the glassy-winged sharpshooter is to find a cure for Pierce's disease. The California Department of Food and Agriculture and United States Department of Agriculture have committed \$8 million to fund more than 20 research projects. These projects are overseen by a taskforce of researchers and industry members who advise Secretary Lyons. Several key projects underway at the University of California at Davis are aimed at creating grapevines resistant to Pierce's disease. Other projects include studies on the efficacy of pesticides, tracking the evolution of glassy-winged sharpshooter populations and economic impacts of Pierce's disease. In addition, the federal government is helping to fund a team of Brazilian scientists working to map the genome for Pierce's disease.

Another critical element is a spirit of cooperation and communication between the California Department of Food and Agriculture and agricultural industry. The department has urged industry leaders to participate in the decision-making process, soliciting their opinions and inviting them to serve on various working groups. Many of those industry representatives are stepping into active leadership roles.

In addition, task forces in uninfested counties have prepared rapid response plans to control new infestations as soon as they appear. An education program is teaching growers and the public to identify this pest and report it immediately to local agricultural authorities. New infestations are being controlled with the help of homeowners and growers.

The fierce battle that government and industry are waging against the glassy-winged sharpshooter and Pierce's disease is purposeful, organized and well funded. However, as Secretary Lyons has remarked, "this is a marathon, not a sprint. And it's still early-on in the race."

Battle Against the Red Imported Fire Ant Heats Up

A unique program to rid the entire state of infestations of the red imported fire ant is well underway at the California Department of Food and Agriculture. What makes the program so unique is that success requires the active participation of residents and homeowners, local governmental agencies, political leaders, developers and land maintenance workers.

The plan, unlike past exotic pest eradication programs, allows for immediate treatment of fire ant colonies by local governments. The department provides training to each local government agency in an infested area, and each participating local agency creates its own plan for eradicating the pest, with department oversight.

Governor Gray Davis has been quick to respond to this issue, providing much needed financial support. Cooperation from all levels of government is aimed at ensuring that Californians don't have to live side-by-side with this dangerous pest in future years.

Tiny Hitchhikers

It all began in September 1998 when a Las Vegas man was rushed to a local emergency room with painful bites from red imported fire ants that had swarmed from a plant at a local nursery. The plant was shipped there from Orange County, California. A survey of nurseries and surrounding residential areas made it clear that red imported fire ants had hitched rides from the heavily infested Southeastern United States into Orange County. Later, heavy infestations of red imported fire ants were found in neighboring counties.

There are many ways ant colonies are transported long distances: in soil used for potted plants, in sod and nursery plants, in landfill transported from one location to another, and in construction equipment, open pickup trucks, railroad cars and trailers. Residents are urged not to move dirt or potted plants, and to check vehicles thoroughly before leaving infested areas.

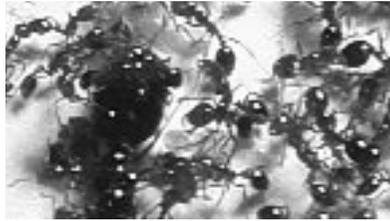
Locating the Pests

Red imported fire ant mounds are usually found in open, sunny areas such as lawns, parks, pastures and fields. Mounds may also be under pavement, around trees or logs, or along curbsides. The ants don't look much different from other ants that traditionally live in California. They are reddish-brown and very small, usually less than 1/4 of an inch in length.

To find red imported fire ants, one must look for new mounds, watch the ants to see if they are more aggressive than those normally found in California, then submit samples for laboratory analysis.

“Thank you for updating my office concerning the red imported fire ant infestation in Southern California. The efforts of the California Department of Food and Agriculture to eradicate this pest are commendable.”

*—Dick Ackerman, Assemblyman, 72nd District
California State Legislature*



Tiny Pest with a Ferocious Sting!

Red imported fire ants defend their mounds against any perceived danger. When a mound is disturbed, hundreds of ants will immediately swarm out to attack anything within reach, including people. The ants often go undetected as they crawl up a person's leg; then, in a matter of seconds, hundreds of ants will be crawling over the individual and stinging. In fact, they are called “fire ants” because the sting area will burn just as though it is on fire. Within an hour or so, sting areas will swell, redden and then itch. In 10 to 12 hours, itchy pus-filled blisters emerge. For some victims, patches of darkened or lightened skin that look like blemishes may persist for months. The protein in red imported fire ant venom may lead to an allergic reaction in a small number of victims. The reaction is characterized by shortness of breath, sweating and swelling, which in some cases can lead to death.

Getting the Word Out About This Tiny Menace

In 1999, the department launched a multi-tiered effort aimed at making residents in affected areas aware of the red imported fire ant infestations. Elements of the outreach effort included newspaper ads, cable television spots, door-to-door fliers, direct mailings, and personal appearances at various community functions and schools. Thousands of calls continue to come through the department's toll-free hotline established for information and reporting of fire ant infestations.

In 2000, the outreach and education program is designed to promote public recognition of the problem, encourage reporting of fire ant mounds, inform residents what they can do if they find fire ants on their property, and reduce public risk from ant stings. The program also supports public outreach activities of local governments in infested areas.

You Can Help!

Keep an eye out for new ant mounds and report them by calling the department's toll-free hotline 1-888-4FIREANT. The California Department of Food and Agriculture will arrange to have the locally participating agency come and inspect the mound and, if it is infested with red imported fire ants, treat the area free of charge. For more information, check out the department's Web site at www.cdffa.ca.gov/rifa, or phone 1-888-4FIREANT.

California 5 A Day for Better Health!

The California 5 A Day for Better Health! campaign is a statewide initiative led by the California Department of Health Services in partnership with the California Department of Food and Agriculture. Its purpose is to encourage Californians to consume five or more servings of fruits and vegetables every day as part of a healthy, physically active lifestyle to reduce the risk of disease, especially cancer, heart disease and obesity.

There are several aspects to the California 5 A Day for Better Health! campaign. The California Department of Food and Agriculture's involvement is outlined on the following page.





5 A Day for Kids

The California Children's 5 A Day Power Play! campaign uses a tested, multi-channel, community-based approach to target 9-, 10- and 11-year old children and their families with the 5 A Day message. The Power Play! campaign conducts comprehensive and interactive educational programs through schools, community youth organizations, farmers' markets, supermarkets, foodservices/restaurants and the mass media.

5 A Day for Women

The California Women's 5 A Day campaign was developed to address declines in fruit and vegetable consumption among women, aged 35-50. The women's campaign, launched in San Diego in January 2000, uses a combination of multimedia and community-based approaches to deliver the 5 A Day message. The women's campaign is also partnering with the Treat Yourself Well campaign, a three-year cancer research study, to conduct in-restaurant merchandising and promotional activities, including healthy menu features, table tent advertisements and chefs' training.

5 A Day for Latinos

The California Latino 5 A Day campaign was established in 1994 to improve fruit and vegetable

consumption among Latinos. It uses a combination of mass media and community-based strategies to disseminate the 5 A Day message to adults and their families. The campaign also participates at Latino festivals and farmers' markets. Trained bilingual health professionals distribute educational brochures and promotional items at 5 A Day festival booths, encourage participants to spin a fruit and vegetable prize wheel to win a t-shirt or apron, and share quick tips on how to eat 5 servings of fruits and vegetables every day. At farmers' markets, bilingual health professionals conduct food demonstrations and sampling, distribute cookbooks and promotional items, and answer consumer questions. In addition to these activities, the Latino campaign provides educational materials to direct health service provider organizations and community groups throughout California.

Visibility

The department has partnered with Ag in the Classroom to provide 5 A Day materials to over 500 teachers throughout California. In addition, fairgoers at the 2000 California State Fair enjoyed learning about 5 A Day at the department's education outreach booth. Healthy eating educational materials in Spanish and English were distributed to over 40,000 fair attendees.

For more information about California's 5 A Day for Better Health! campaign, call 1-888-EAT-FIVE or visit at www.ca5aday.com.

Setting the Stage for Change: California Fairs & Arts Alliance

In 1999, fairgoers at seven of California's fairs got a glimpse of a bold new idea. The California Fairs & Arts Alliance, establishing a new partnership between two natural allies, awarded \$10,000 grants to seven fairs and local arts agencies.

The results surprised everyone. Imagine! Southland Opera (that's right, *opera*) performing to an enraptured audience sitting on hay bales at the Orange County Fair. Music and dance performances by local youth on a stage they designed and built themselves at the Merced County Fair. And, at the Amador County Fair, benches made by prison inmates at the Mule Creek State Prison—that had been colorfully painted by local artists—became fair furniture for patrons to enjoy during the run of the event.

The California Fairs & Arts Alliance is an innovative program of two state agencies. Primarily composed of representatives from California's fair industry and arts field to advise the California Department of Food and Agriculture and the California Arts Council, the alliance recommended creation of the Regional Partnership Program to test the possibilities for successful local collaborations. Building on the program's initial success, a total of 19 fairs and arts partnership grants were awarded for artistic programming during the 2000 fair season.

This partnership concept takes fairs and arts to a new level by harnessing the energy and ingenuity of both these vital centers of creativity. Given this shared sense of purpose, the California Department of Food and Agriculture and California Arts Council are working together to expand successful local collaborations that will sustain a strong and vibrant future for community celebration and culture in our great state.

Programs and Services



Agricultural Export Program

The California Legislature declared, upon establishing the Agricultural Export Program within the California Department of Food and Agriculture, that “the State’s agricultural economy is dependent upon international trade.” The Legislature further declared “it is in the public’s best interest to assist California agriculture in market development for agricultural products, and to expand world trade in these products to maximize growth in the State’s economy.” All activities of the Agricultural Export Program are guided by these principles—to assist in market development for agricultural products and to expand world trade in these products.

The Agricultural Export Program prides itself on its dedication to customer satisfaction. The program offers services valuable to both the novice and experienced exporter in pursuing their international sales and marketing efforts. Simply stated: If we cannot help a company overcome its export-related problem, we will find someone who can. The program’s mission is to foster growth of California exports of food and

agricultural products by creating and expanding global market opportunities.

Through numerous successful promotional and educational activities, the Agricultural Export Program operates to fulfill the goal of bringing California’s food and fiber products to the world!

Trade Development

The Agricultural Export Program annually sponsors dozens of trade development activities designed to penetrate new markets or expand opportunities in existing ones. Although the program’s trade development activities can take many forms, some of the standard ones include sponsoring “California Pavilions” at international food shows, arranging meetings and educational tours for foreign buyer missions visiting California to source new products, arranging California-themed in-store or restaurant promotions, and creating promotional and educational materials that highlight California products and producers. Below are highlights of the program’s successful activities.

BUYING MISSIONS

California is a desirable destination for buying teams coming to the United States. Often arranged by the agriculture

staff at U.S. embassies abroad, groups of food product buyers, representing one or more foreign companies, journey to California on a regular basis. Normally, these buyers are seeking new products to import into their country, and they realize that California, which produces the most diverse array of food products found anywhere in the world, is their best bet for finding new items. The Agricultural Export Program will arrange meetings between visiting buyers and California exporters, often in the form of a “tabletop show”—a venue where California suppliers can come together at a central location to display their wares to foreign buyers. Additionally, if buyers want to know where and how specific food products are produced, the program will also arrange educational tours of farms and processing facilities.

Spotlight: In May 2000, the Agricultural Export Program organized a reverse buying mission for the MAKRO, a Southeast Asian supermarket chain. Meetings were conducted between 24 California companies and seven foreign buyers representing four Southeast Asian countries. These companies anticipate \$3.2 million of increased sales within the next 12 months.

TRADESHOWS

“California” is a well-known name to people worldwide. In general, foreign consumers have very positive associations with the state. The

California sends first U.S. shipment of citrus to China. Pictured left to right: CDFA Secretary Lyons, USDA Secretary Dan Glickman, U.S. Trade Representative Charlene Barshefsky, and Sunkist President Vince Lupinacci. Photo provided courtesy of Sunkist Growers.



Foreign buying team touring California farms.



*California Wine Pavilion at FOODEX '00.*

Agricultural Export Program 2001 Tradeshow Calendar

Fruit Logistica 2001

January 13–15, 2001
Berlin, Germany

Canadian Produce Marketing Association

January 31–February 3, 2001
Vancouver, Canada

Foodex 2001

March 13–16, 2001
Tokyo, Japan

ANTAD 2001

March 2001
Guadalajara, Mexico

2001 US Food Export Showcase

May 6–8, 2001
Chicago, Illinois

Hofex 2001

May 8–11, 2001
Hong Kong

Taipei International Food Show 2001

June 2001
Taipei, Taiwan

ANUGA 2001

October 13–17, 2001
Cologne, Germany

Agricultural Export Program uses the California brand name to unite individual California exporters. This positive image is also associated with the California Pavilions at international food shows.

These pavilions vary in size, from five to thirty-five participants, depending upon the popularity of the individual food show, and the Agricultural Export Program normally sponsors from five to seven pavilions each year. Participation in a California Pavilion can reap large rewards for companies, and such participation can often be the best introduction to a particular foreign market.

Spotlight: In March 2000, the Agricultural Export Program organized a California Pavilion at the 25th International Food and Beverage Exhibition FoodEx Japan 2000. FoodEx Japan is the largest and most significant Asian food and beverage tradeshow. Within the California Pavilion, 24 California companies displayed their products, ranging from California almonds and fresh vegetables to popcorn and snack foods. Reports from the show revealed more than \$1 million in immediate sales, while overall estimates indicate sales of over \$50 million within the next 12 months.

CALIFORNIA—TASTE THE SUNSHINE™ PROMOTIONAL CAMPAIGN

Introduced by the Agricultural Export Program in 1997, the California—Taste the Sunshine™ promotional campaign provides a theme for all promotional activities, materials and advertising produced by the program, and the trademarked logo is offered for use by California exporters. By popularizing the California brand, the program helps to expand recognition of California as a source of a wide variety of high quality food and fiber products.



Spotlight: One of the largest beverage companies in Korea, as well as the largest importer of wines, Doosan Corporation, has begun using the

California—Taste the Sunshine™ image on the packaging of their private label California wines. The wine is bottled and shipped by a prominent California winery, which was introduced to Doosan through a cooperative effort between the Agricultural Export Program and the California Office of Trade & Investment in Seoul, Korea. This represents the first instance of a foreign company utilizing the Taste the Sunshine™ logo on their consumer packaging.

Informational Services

The Agricultural Export Program is very excited about launching its new state-of-the-art database—complete with California suppliers, foreign buyers, trade activities and much, much more! The main function of this new database is to help bring buyers and sellers together by providing trade leads to interested California companies and supplier lists to potential foreign buyers. The new database will enable program staff to better assist our client base in a timely and more accurate manner. A version of the suppliers' database will be made available to the public on CD-Rom and on the California Department of Food and Agriculture's Web site.

Strategic Partnerships

The Agricultural Export Program maintains close relationships with various public and private entities that also provide specific assistance to California exporters. These resources range from other divisions of the California Department of Food and Agriculture, to officials of the United States Department of Agriculture, and to local trade providers such as community college-based Centers for International Trade Development. Playing a key role in representing California's interests in international trade of food and agricultural products, the Agricultural Export Program funnels information from the federal government to California's agricultural industry, and vice versa. In addition, the program, as a founding member of the California Agricultural Export Team, works with other agencies to develop and coordinate services to individual companies and exporters.



Need Further Export Assistance?

In addition to the marketing services offered by the Agricultural Export Program, the department also offers the following export assistance.

Milk and Dairy Foods Control Branch

Provides export certification letters for dairy products.

☎ Eliana Duenas (916) 654-0785
✉ eduenas@cdfa.ca.gov

California Export Laboratory Services

Provides certificates of chemical testing of food (raw and processed), agricultural products and beverages to exporters. Laboratory testing is done according to standards of the importing countries or as specified by exporters.

☎ General Information (916) 262-1434
✉ cacels@cdfa.ca.gov

California Animal Health and Food Safety Laboratory System

Provides certification testing of domestic animals, commercial poultry and commercial salmonids for export. Laboratory services also include testing of raw and processed food animal products to meet established standards for food safety and wholesomeness.

☎ Dr. Alex A. Ardans (530) 752-8709
✉ aaardans@ucdavis.edu

Pest Exclusion Branch

Provides phytosanitary certification by plant regulatory officials in order to assist the affected industry or consumer in meeting plant quarantine certification requirements of foreign countries, other states, or the state of California's interior quarantines. Exporters can receive phytosanitary export and import certificates from their county agricultural commissioner's office (for contact information, refer to the directory section of this publication). Other inquiries can be directed to the department's Pest Exclusion Branch.

☎ Steve Brown (916) 654-0312
✉ sbrown@cdfa.ca.gov

Trade Policy and Trade Issues

Although all international trade treaties are negotiated between the federal government and foreign national governments, the Agricultural Export Program acts to educate federal authorities on issues important to California agriculture. When international trade problems arise, the program is there to assist exporters in navigating the sometimes-complex regulations to gain market access. The program maintains close working relationships with federal trade officials at the Office of the United States Trade Representative and the United States Department of Agriculture.

Animal Health and Food Safety Services

California maintains one of the world's safest food supplies, thanks in large part to a food safety system based on strong, flexible, science-based regulations and a responsible, proactive industry.

As the state agency responsible for animal health and food production, Animal Health and Food Safety Services serves citizens of the state and all consumers of California agricultural products. The division's primary mission is to assure that California's animal agricultural

products are safe, available and affordable. These goals are achieved by protecting public and animal health while enhancing stewardship of the environment. We strive always to be a step ahead. As the division's motto, this proactive mindset prepares inspectors, veterinarians, dairy foods specialists and other division staff for new challenges before they occur.

Animal Health and Food Safety Services is comprised of five programs: Animal Health, Meat and Poultry Inspection, Milk and Dairy Foods Control, Bureau of Livestock Identification, and the California Animal Health and Food Safety Laboratory System.

Animal Health

Animal Health Branch prevents, detects, contains and eradicates emergency animal diseases through surveillance and control of the movement of animals and animal products as well as through regulation of veterinary biologics. Additionally, the branch is responsible for deterring misuse of drugs in horses entered in competitive events or sales, and assisting in the control of wildlife and predatory animals. On-farm food safety issues are addressed through the Animal Production Food Safety program.

Spotlight: Significant accomplishments include negotiation and initial implementation of the Environmental Stewardship/Dairy Quality Assurance Program. This program's objective is to assist California dairy producers in meeting all federal, state, regional and local requirements, and its ultimate goal is to help ensure a healthy environment for the people and wildlife of the state of California. Additionally, in 1999 California was recognized as Tuberculosis Class Free.

Bureau of Livestock Identification

The Bureau of Livestock Identification protects California cattle owners against loss of animals by theft or straying. The program consists of livestock brand registration; cattle inspection for lawful possession prior to transportation, sale



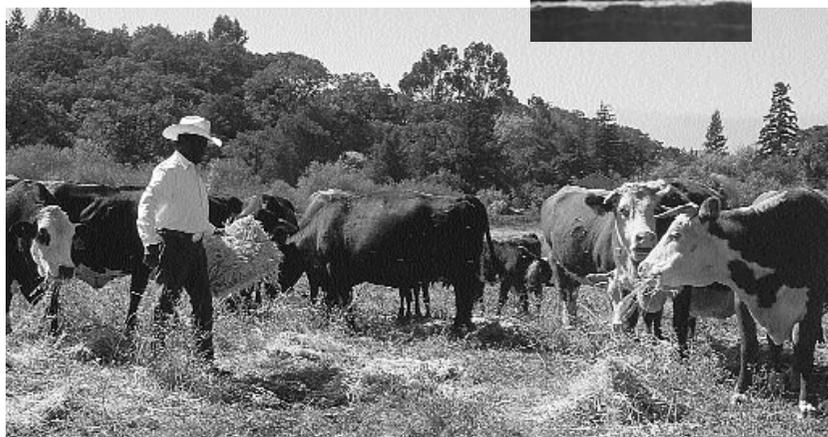
or slaughter, and recording information obtained by such inspections; and assistance to law enforcement on investigations and prosecutions involving cattle theft.

Spotlight: Significant accomplishments include establishment of a branch Web presence, located at www.cdffa.ca.gov/animal/Livestock_ID, that contains information regarding livestock laws, inspection requirements, the Road Enforcement Handbook and electronic access to brand application forms. Additionally, the branch successfully resolved several major stolen cattle cases.

Meat and Poultry Inspection Branch

The Meat and Poultry Inspection Branch provides oversight in establishments that are exempt from federal inspection to ensure that only wholesome, unadulterated, and properly labeled meat and poultry products are provided to consumers. The branch ensures that meat and poultry products not intended for human or pet consumption do not enter the food supply.

Spotlight: Significant accomplishments include cooperative efforts with demographically diverse communities and county governments to establish new poultry plants, collaboration with the Food and Drug Administration and the Department of Health Services on cooperative training programs for allied law enforcement agencies, and stopping illegal movement of thousands of carcasses through investigation and collaboration.



Milk and Dairy Foods Control

The Milk and Dairy Foods Control Branch ensures that milk, milk products and products resembling milk products are safe, unadulterated, meet compositional requirements and are properly labeled. Branch staff provides inspection and sampling at dairy farms and milk processing plants, and certifies dairy farms, milk plants and sources of single-service dairy containers. The branch also ensures that tests used to determine the basis for payment of milk or cream are accurate.

Spotlight: Significant accomplishments include assisting with implementation of the Environmental Stewardship/Dairy Quality Assurance Program to help dairy owners comply with state and federal clean water requirements, meeting requirements to allow interstate sale of milk and dairy products, and establishing a multi-disciplinary taskforce led by the University of California to identify and develop protocols aimed at providing scientific risk assessments for sampling soft-fresh cheeses. Additionally, during fiscal year 1999–2000, the branch issued 1250 export certifications for a variety of dairy products to foreign countries and 314 certificates for raw milk exports to Mexico.



California Animal Health and Food Safety Laboratory System

The California Animal Health and Food Safety Laboratory System—administered by the School of Veterinary Medicine, University of California at Davis—provides reliable, timely, quality diagnostic laboratory support to the department and the state's animal agricultural industries. It is the backbone of California's early warning system to help protect the health of the state's livestock and poultry populations—along with public health—from diseases common to animals and humans. It operates in partnership with the department, the University of California, veterinarians, livestock and poultry producers, and the United States Department of Agriculture. The system comprises five laboratories: one on the Davis campus and four branch laboratories located in Turlock, Fresno, Tulare and San Bernardino.

Spotlight: Significant laboratory accomplishments include continuous expansion of testing capabilities through implementation of emergent diagnostic technology, state-of-the-art molecular techniques for identification of disease producing organisms, and development of rapid and sensitive tests for detection of toxins in animal tissues and products. The laboratory system supports the department's disease control and food safety programs; surveillance for brucellosis, pseudorabies and transmissible spongiform encephalopathies; and compliance testing for the Milk and Dairy Foods Branch.

Laboratory diagnoses of various conditions prevented the spread of disease-causing agents, including exotic Newcastle disease in game chickens, preventing spread into commercial poultry; avian influenza in Southern California chickens; new disease-causing agents such as neospora in cattle abortions; adenovirus in young deer deaths; amoebas causing encephalitis in cattle and horses; eastern equine encephalomyelitis virus in a Southern California horse (first occurrence of this human health risk west of the Rocky Mountains); and human tuberculosis in an elephant.



The laboratory system is working collaboratively with the Lawrence Livermore National Laboratory to develop tests for botulism toxin detection and to develop molecular approaches to define the epidemiology of Salmonella enteritidis, a potential foodborne pathogen. Additionally, a state-of-the-art equine and analytical chemistry program has recently been developed to serve the state's performance horse and racing industries.

Fairs and Expositions

California fairs offer much, much more than cotton candy and carousels; they are successfully providing a firsthand look at agriculture and innovative educational opportunities that bolster and enrich local communities. The Division of Fairs and Expositions supports these local efforts by providing oversight to the network of California fairs through application of law, development and review of policies and procedures, and sound fiscal management.

Fairs and Expositions' oversight responsibilities include the following:

- Distributing state resources to local fairs for base allocations, health and safety repair projects, major maintenance projects, revenue-generating projects and wagering facility improvements.
- Creating a framework for administration of the California fair network, allowing for a proper balance of local decision-making authority with state oversight.
- Supporting continuous improvement of programs to ensure California fairs remain highly relevant community institutions.
- Ensuring that annual fiscal audits and biennial compliance audits are performed.

California Fair Network

The network of California fairs includes 78 active fair organizations that are divided into four categories: 52 active District Agricultural Associations, 23 county fairs, two citrus fruit fairs and the California State Fair. For a complete listing of California's active fairs, refer to

the directory section of this publication.

Cultural anthropologists have said that for a community to remain healthy, community members must realize and appreciate what holds them together. Fairs become just such a source of community pride by fostering common identity and loyalties across age and cultural boundaries. These benefits are realized through the celebration of shared values and interests, thus contributing to social stability and promoting civic unity.

California fairs, by mirroring the multicultural dimensions of their community, serve to promote awareness of the state's cultural diversity. In 1999, approximately 24.5 million people attended California's annual fairs and special events held in rural, suburban and urban settings.

The range of activities held at fairs is extensive and covers the spectrum from educational purposes to broad community services. A few examples of valuable activities and programs that take place at California fairgrounds are field trips, Head Start programs, preschool programs, before- and after-school programs, agricultural education programs, weddings, cultural and arts events, concerts, shows, exhibits, livestock events and farmers markets.

State and local government agencies utilize fairs as a way to disseminate vital information regarding the protection of California's natural, industrial and agricultural resources. For example, the California Department of Food and Agriculture regularly participates in local fairs to educate the public about pest prevention (Don't Pack a Pest!), food safety, animal health and other important agricultural issues. These public outreach efforts offer communities a closer view of California agriculture and the essential role of this \$27 billion industry.



Fairgrounds do not merely provide a location for educational, cultural and social interaction. They also provide the people of California with facilities necessary for shelter during emergencies such as earthquakes, floods, fires and other disasters. Fairgrounds have been used in many capacities during emergency situations, ranging from disaster evacuation centers to fire mobilization bases.

Fairs also contribute to the strength of California's economy. According to a 1991 report, California fairs generate approximately \$1.6 billion annually in economic activities that benefit local businesses and governments. These economic activities include revenues received from fair admissions, food and ride concessions, exhibits, entertainment, horse racing and rental of fairground facilities.

In addition to employing approximately 810 permanent staff statewide, the arrival of a community fair acts as an economic accelerator by:

- Providing over 10,000 temporary jobs.
- Providing work experience to those in need of developing basic job skills.
- Generating an estimated \$8 million in state tax revenue from small businesses that sell goods and services at fairs.
- Generating funds for the local community to support a variety of charitable activities.
- Providing small businesses with an opportunity to display and sell merchandise and services at the local fair.



Fairs and Horse Racing

California's horse racing law, enacted in 1933, allows wagering at horse tracks as a way to generate public revenues. In the 1980s, new legislation authorized construction of satellite wagering facilities on fairgrounds and stipulated that a portion of revenues raised through such wagering would be returned to fairgrounds for facility maintenance and repair. California's 23 satellite wagering facilities provide wagering on simulcast races from all of California's private and fair racetracks as well as national and international horse racing events. A portion of horse racing revenues is allocated to the network of California fairs.

Spotlight: Major strides have been made in the areas of health and safety projects and increased fiscal accountability at fairgrounds. In the area of program support, the division successfully linked seven fairs and their respective local arts agencies through a pilot partnership program that resulted in creative approaches to attracting new fairgoers and arts patrons during the 1999 fair season. Building on success of the pilot program, 19 fairs and arts partners received funding in 2000 through a competitive grants program. Funding partners in this endeavor are

the California Department of Food and Agriculture's Division of Fairs and Expositions and the California Arts Council. For more information refer to "Setting the Stage for Change: California Fairs & Arts Alliance" within this publication.

Inspection Services

Inspection Services' mission is to ensure that the state's commercial supply of agricultural commodities, fertilizing materials, livestock feed, and drug products are safe, wholesome, and correctly labeled and packaged. Providing the highest degree of consumer protection and grading services is the first priority. Products entering the marketplace must therefore comply with standards for maturity, grade, size, weight, pack and labeling to prevent the sale of substandard commodities.

To accomplish this mission, the Division of Inspection Services is comprised of four branches: Agricultural Commodities and Regulatory Services; Center for Analytical Chemistry; Fruit, Vegetable and Egg Quality Control; and Shipping Point Inspection.

Agricultural Commodities and Regulatory Services

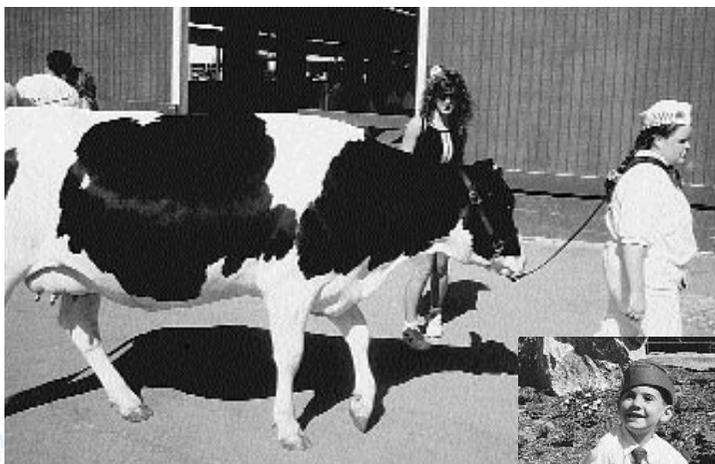
Involves four program elements:

1 FEED AND LIVESTOCK DRUG PROGRAM

Ensures that feed and livestock drugs are safe, effective and meet the quality guarantees of the manufacturer.

2 FERTILIZER PROGRAM

Ensures that fertilizer products are safe, effective, registered, comply with specific labeling requirements of the California Code of Regulations and meet the quality guarantees of the manufacturer.



"I just wanted to thank you for joining us at the May 18 Expenditure Plan preview. Your team did an outstanding job...This year's process has been the most open and detailed in the short history of preparing the plan for fair funding in a public light. All of our members appreciate not only your interest in fairs but your commitment to building an inclusive process."

*Stephen J. Chambers, Executive Director
Western Fairs Association*

⑤ FERTILIZER RESEARCH AND EDUCATION PROGRAM

Works with growers, private businesses and public agencies to protect ground water from nitrate and other nutrient contamination. Each year the program provides grants to conduct research, and to establish demonstration projects and educational programs.

④ GRAIN AND COMMODITY INSPECTION PROGRAM

Inspects and certifies grains, rice, beans and other commodities in accordance with federal and state regulations. All inspectors, samplers, weighers and technicians are licensed by the federal government, which monitors the personnel to assure uniform inspection.

Spotlight: In 1999, the program was awarded the United States Department of Agriculture's Official Grain Inspection designation for the Los Angeles area. This designation now provides the California Department of Food and Agriculture with statewide authority for all grain and commodity inspection and certification under the United States Grain Standards Act and the United States Agricultural Commodities Marketing Act.

Center for Analytical Chemistry

Provides analysis of pesticide residues in fresh fruits and vegetables. In addition, chemical analysis for label compliance, quality, antibiotics residues, and various contaminations are performed on dairy products, animal feeds and fertilizer products. The center also operates California's Export Laboratory Services, which is designed to provide analytical services to agribusinesses exporting commodities to international markets.

Spotlight: The division is working closely with industry to address the issue of Maximum Residue Limits for export of products to Taiwan. At issue: Taiwan introduced pesticide tolerances for importation of fruits and vegetables beginning July 16, 2000. In order to receive input from commodity groups and pesticide manufacturers, the Division of Inspection Services conducted two industry workshops—one in Salinas and another in Fresno—with the United States Department of Agriculture's



contractor on this project, Dr. Loy Newby. This effort should facilitate the export of fruits and vegetables to Taiwan while meeting the requirements.

Fruit, Vegetable and Egg Quality Control

Involves seven distinct program elements:

① AVOCADO CERTIFICATION

Inspects avocados at the point of packing to ensure compliance with maturity, quality, size and weight standards.

② CALIFORNIA ORGANIC PROGRAM

Enforces provisions of the law that govern sale of foods labeled as organic.

For further information refer to "The Art of Partnership: Farmers' Markets and Organic Agriculture" within this publication.

③ DIRECT MARKETING

Enforces provisions of law governing the certification of producers and farmers' markets and the sale of agricultural products at farmers' markets.

Spotlight: Legislation passed in 1999 (AB 593) reauthorized continuation of the Direct Marketing Program (Certified Farmers' Markets) in California. The legislation guaranteed an adequately funded enforcement program and defined rules for market operation. In addition, Inspection Services drafted accompanying regulations that limited the number of other grower's products that can be sold at each market.

For further information refer to "The Art of Partnership: Farmers' Markets and Organic Agriculture" within this publication.

④ EGG QUALITY CONTROL

Ensures that healthful, wholesome and high-quality eggs are marketed in California.

⑤ PROCESSING TOMATO INSPECTION

Provides training and oversight of a program that inspects processing tomatoes for defects, color and soluble solids or sugars.

⑥ STANDARDIZATION

Enforces and maintains minimum standards for quality, maturity, container, marketing size and packing requirements.

⑦ WINE GRAPE INSPECTION

Provides training and oversight in the inspection of wine grapes and by-products.

Shipping Point Inspection

Operates under a federal-state cooperative agreement with the United States Department of Agriculture, which authorizes California Department of Food and Agriculture inspectors to use federal grade standards for fruits, nuts, and vegetables and issue federal-state inspection certificates. Provides optional third-party grading and certification service to the fruit, nut and vegetable industries at all points of origin and most receiving points in the state. It is also the official certifier of all commodities required to meet export specifications.



Marketing Services

As part of the California Department of Food and Agriculture's mission, the Division of Marketing Services ensures an equitable and orderly marketplace for California's agricultural products. The division administers a number of programs to encourage efficient commerce of the state's 350 diverse agricultural products, thus benefiting producers, processors and consumers.

Marketing Services is comprised of five branches: California Agricultural Statistics Service, Dairy Marketing, Market Enforcement, Marketing and Milk Pooling.

California Agricultural Statistics Service

In a joint effort with the United States Department of Agriculture's National Agricultural Statistics Service that spans nearly 40 years, the California Agricultural Statistics Service prepares and distributes statistics on California agriculture. Activities include estimates of planted and harvested acreage, production, stocks and crop use. The California Agricultural Statistics Service has recently added two new activities: reporting of grape tonnage crushed for concentrate, and acreage surveys of Valencia and Navel oranges.

Information prepared by the service enables interested parties to make sound marketing and economic decisions.



Growers, producers, processors, handlers and brokers use this information to negotiate price, develop marketing strategies, determine level of plantings and assist with resource allocation decisions (i.e., number of employees to hire, investment in machinery and facilities, and amount of fertilizer to purchase).

Other parties, including financial institutions, insurance companies and educational institutions, access the information prepared by the California Agricultural Statistics Service. Financial institutions use the information as the basis for loan approvals. Insurance companies rely on this information to establish insurance premiums. Educational institutions utilize this information as the basis for research studies. This economic data allows for sound marketing and economic decisions that encourage efficient production and distribution of agricultural products. Thus, the ultimate benefit accrues to consumers who enjoy an abundant supply of agricultural products at reasonable prices.

Spotlight: The California Agricultural Statistics Service compiled much of the agricultural production data throughout this publication.

Dairy Marketing

Dairy Marketing encourages the production and marketing of dairy products by resolving public policy issues and provides vital statistical data for the dairy industry.

Spotlight: This program recently completed Phase I of its database design for managing dairy production, manufacturing and sales statistics. Use of this database has shortened the time period needed to publish monthly data from ten to three days. Increased flexibility has allowed the program to generate ad hoc queries and reports that respond quickly to requests for information from stakeholders. Phase II of the project will create a relational database to include data from all program clients. This phase will be completed by December 2000.

The program successfully designed and implemented the Consumer Milk Price Survey as required by legislative

mandate. The survey is a public information program designed for reporting retail milk prices.

Market Enforcement

This program promotes and fosters equitable marketing practices among producers, handlers and processors of California farm products.

Spotlight: The program completed a three-year investigation regarding the payment practices of a prominent packer in central California. During the investigation, records involving approximately ten million cartons of fruit were reviewed. In cooperation with the Fresno County District Attorney's Office, the investigation and prosecution resulted in a court-approved settlement that awarded a \$1.9 million restitution to growers, \$500,000 in civil fines, and \$300,000 in investigative cost recovery for the program.

Passage of legislation in 1998 abolishing the Farm Products Trust Fund required that the program complete a review of all existing Trust Fund claims. Since 1998, the program completed its review, developed a proration methodology and finalized distribution of funds to 1,583 claimants totaling \$934,000.

Marketing

This program provides administrative guidance to 50 marketing orders, councils and commissions (marketing programs) operating under statutory authority in the California Food and Agricultural Code. These laws allow commodity producers and handlers to collectively assess themselves in order to create and conduct advertising and promotion (i.e., Got Milk?, It's The Cheese and Dancing Raisins), along with research and inspection programs that benefit the specific industry and consumers.

Spotlight: Marketing Branch is administering its highest number of marketing programs ever, and continually responds to numerous inquiries from commodity groups to establish new ones. In 1999, the Marketing Branch completed a re-approval process of 13 marketing programs that were scheduled for continuation review.



“... the extensive efforts by investigators of the Market Enforcement Branch of the CDFA were crucial in identifying the illicit commodities, documenting the dozens of illegal shipments, and in obtaining evidence of fruit fly larvae in some of the sweet limes.

...the arrests and prosecution of those implicated in the produce smuggling sends a strong message that our governments take seriously their responsibility to protect California’s, and our nation’s agriculture economy from smugglers of prohibited commodities, which also threaten the livelihood of our farmers.”

—Diane Feinstein, United States Senator California

Milk Pooling

This program administers the Milk Pooling Act that provides standards for distributing monthly statewide bulk market milk revenues to California dairy producers and farmers.

Spotlight: The program successfully tested and ensured that its mainframe-based automated system was year 2000 (Y2K) compliant. The system was deemed to be the most critical within the department and was elevated to statewide importance. The system has a significant impact on the dairy industry where regulated farm-gate revenue—\$4 billion annually—is calculated and distributed monthly to dairy producers throughout the state.

In 1999, given the importance of this automated system, the program retained the services of an independent consulting firm to evaluate its effectiveness, adaptability and vulnerability. The thirty-year old system utilizes outdated technologies that requires costly updating in order to serve stakeholders. The consulting firm recommended that the program develop a new system based upon current technical architecture, structure design, and programming standards to more fully meet current and projected business requirements. Over the next two years, the program will invest in information technology to ensure consistent, quality service to the dairy industry.

Measurement Standards

The Division of Measurement Standards prides itself on a mission to preserve and maintain the standards of measurement essential to providing a basis of value comparison and fair competition in the marketplace.

The division fulfills its mission through enforcement of California laws and regulations governing weights and measures by ensuring the accuracy of commercial weighing and measuring devices; verification of the quantity of both bulk and packaged commodities; and enforcement of quality, advertising and labeling standards for most petroleum products. The division is comprised of three branches that work closely with county sealers of weights and measures to carry out the vast majority of enforcement activities at the local level.

Compliance and Evaluation Branch

California law requires that all new models of commercial weighing and measuring devices be evaluated and approved by the California Department of Food and Agriculture prior to use in the state. This activity is carried out through two programs:

CALIFORNIA TYPE EVALUATION PROGRAM

Operates one of only four laboratories in the National Type Evaluation Program and the United States/Canada Mutual Recognition Program. As the only authorized laboratory in the Western United States, the California laboratory serves to evaluate and approve weighing and measuring devices for manufacturers not just in California, but other states and countries. These devices are typically marketed throughout the United States and are used commercially to ensure accurate transactions involving measure-able commodities.

Spotlight: A California Type Evaluation Program quality manual was completed in 1999. Staff also participated in the Society of Automotive Engineers’ Liquefied Natural Gas Taskforce to develop equipment standards for dispenser specifications, accuracy and use requirements.

MEASUREMENT COMPLIANCE PROGRAM

Comprised of three distinct functions, the first of which is to minimize measurement error in commercial transactions through periodic inspection and testing of commercial weighing and measuring devices such as supermarket checkout scales, gasoline dispensers and large capacity truck scales.

The second function assures that sales of commodities are accurately measured to minimize errors and fraud. The program enforces laws and regulations relative to the Fair Packaging & Labeling Act to minimize deceptive packaging and to assure value comparison in the marketplace.

The third function of this program is responsible for registering service agencies and their employees who perform services for users of commercial weights and measures devices.

The program also continues to take a strong proactive stand on uniformity issues. With over 700 weights and measures jurisdictions in the United States alone, interstate commerce could virtually stop if commodity, device specifications, or label requirements differed from jurisdiction to jurisdiction.



Manufacturing costs would soar if custom products were required in different regions. The same problems exist on a global scale. For this reason, the program continues to work closely with national and international organizations to develop standards for weights and measures activities.

Spotlight: In 1992, 1994, 1996 and 1999, the program conducted surveys in cooperation with county weights and measures officials. The 1999 survey showed that checkout scanners in California supermarket and retail stores have an overall accuracy rate of 95.8 percent, or an error rate of 4.2 percent. The survey is available on the department's Web site at www.cdfr.ca.gov/measurement/measurementtrp. The program will continue to conduct periodic scanner surveys.

Metrology Branch

Maintains the state standards of measurement, in concert with the National Institute of Standards and Technology, which form the legal and scientific basis for all California commercial transactions involving weights and measures. The branch also coordinates measurement activities among local agencies, industry and the general public. Part of that activity involves certification of standards used by state and local agencies and industrial clients.

Spotlight: In 1999 the National Institute of Standards and Technology selected the division's Metrology Branch as the pivotal laboratory responsible for conducting the Western Region's portion of the National Mass Comparison Program. These comparisons provide a national evaluation of the legal metrology system for mass commodities and help support the United States' international mass measurement credibility.

Weighmaster/Petroleum Branch

PETROLEUM PRODUCTS PROGRAM

Maintains minimum quality standards for fuels (gasoline, gasoline/oxygenate blends, diesel fuel, kerosene, compressed natural gas and fuel oil) and most automotive products (motor oil, brake fluid,

automatic transmission fluid, gear oil and engine coolants) sold in California. Regulates the advertising and labeling of such products.

The work of this branch is to diligently monitor the marketplace through open inspections and undercover investigations in order to ensure the quality of these products. Inspectors test both routine and suspect samples through the operation of two laboratories within the state. When substandard products are found, the program will remove them from the marketplace and take appropriate enforcement action.

Spotlight: Investigators routinely conduct open and undercover inspections of service stations to verify the accuracy of gasoline deliveries to consumers and ensure quality. Culminating a four-year investigation by the division—in conjunction with county weights and measures offices in Orange, Riverside, Kern and San Bernardino counties—the Los Angeles District Attorney's Office successfully prosecuted a Southern California company for displaying false gasoline meter readings. The company agreed to a \$640,000 fine and was forbidden from engaging in the practice, and two people were convicted of Grand Theft and Conspiracy. This conviction was the result of a high-tech gasoline short-measure operation that cost consumers more than \$1 million, with a potential loss of millions more.

In 1999 the division adopted recycled engine coolant regulations, providing for a variance from the established chloride ion content, given that certain criteria are met. This allows for marketing of recycled products that may not meet specifications for virgin product, yet are suitable for automotive cooling systems.

WEIGHMASTER ENFORCEMENT PROGRAM

Assures that commercial transactions, based on quantities certified on a weighmaster certificate, are accurate. Licenses individuals or firms that weigh or measure bulk commodities and issues certificates of accuracy. The program accomplishes enforcement activity through open inspections and undercover investigations. These activities enable it to

verify weight statements on weighmaster certificates, conduct inspections of establishments involved in bulk sales, and investigate complaints alleging fraudulent use or misuse of weighmaster certificates.

Plant Health and Pest Prevention Services

The California Department of Food and Agriculture has the only comprehensive program to protect California from exotic and invasive pests. The existing program, under the Division of Plant Health and Pest Prevention Services, features components for excluding, detecting, eradicating or controlling harmful and invasive insects, weeds, plant diseases, rodents and other damaging pests. Plant Health and Pest Prevention Services is comprised of four branches: Pest Detection/Emergency Projects, Pest Exclusion, Integrated Pest Control and Plant Pest Diagnostics.

Pest Detection/ Emergency Projects

The Pest Detection/Emergency Projects Branch detects and eradicates new infestations of foreign invasive pests in California. The branch manages a foreign insect pest trapping program that deploys close to 108,000 traps statewide during peak summer months. It has conducted over 60 successful eradication projects in California against serious invasive pests such as Mediterranean fruit fly (Medfly), Japanese beetle and gypsy moth. The branch also maintains a Medfly production facility in Hawaii to provide sterile flies for a large-scale, ongoing sterile insect release program in Southern California to prevent Medfly colonization.



“... your Agricultural Parcel Inspection Program has registered impressive results. Coupled with the state’s other pest exclusion initiatives, it seems you have a solid strategy for achieving your goal of maintaining a dynamic and highly effective pest prevention system in California.”

—Dan Glickman, Secretary
United States Department of Agriculture

Spotlight: This program is a real success story. When it began in 1994, the state averaged over seven Medfly infestations per year. Now, California has approximately one infestation every two years. Medfly attacks over 250 types of fruits and vegetables. A Medfly infestation imperils our \$27 billion agricultural industry as well as backyard fruit trees throughout the state.

Pest Exclusion

The Pest Exclusion Branch keeps serious plant pests out of the state and stops or reduces the spread of newly arrived pests and diseases. The branch operates inspection stations along California’s borders to screen cars, trucks and buses for unwanted pests. Large shipments entering by land, sea, or air are inspected at unloading and transfer sites within the state. The branch also manages programs for nursery, seed and cotton to ensure quality standards are met, issues permits for restricted use of quarantine pests and commodities, and provides a certification program for exporters who want to ship pest-free agricultural products to other states and countries.



Spotlight: The ways that new exotic pests can enter the state have increased in recent years, corresponding to the increase in movement of people and goods into the state. In order to respond to these new pest pathways, the California Department of Food and Agriculture has developed innovative programs such as the Agricultural Parcel Inspection Program in which specially trained dog teams sniff out parcels that contain fruits, vegetables and other illegal plant material. Since the beginning of this program in 1996, over 5,400 illegal shipments have been detected, yielding 902 interceptions of pests. Stopping these pests is important. With California’s mild climate and abundance of backyard fruits and vegetables, exotic pests can easily become established and attack our precious resources.

Integrated Pest Control

The Integrated Pest Control Branch directs seven pest control and eradication programs and one pest control research program. The branch conducts weed and vertebrate pest programs in rangelands, waterways, crops, woodlands and urban areas. It

also manages California’s largest biological control program, which evaluates, raises and releases natural enemies to provide long-term control of serious established pests.

Plant Pest Diagnostics

The Plant Pest Diagnostics Branch identifies plant diseases, weeds, seeds, nematodes and insect pests from samples submitted by department pest prevention programs, county agricultural agencies, universities and the public. It is located in a state-of-the-art diagnostic facility and maintains important reference collections, including the state’s official arthropod collection with 1.5 million specimens, a seed herbarium with 50,000 specimens, a plant herbarium containing 25,000 specimens, and a library with more than 28,000 volumes. The branch supports California’s agricultural export market by performing analyses needed to determine if shipments meet quarantine certification requirements of other states and countries.



“Our partnership with the California Department of Food and Agriculture over the years has been a strong and fruitful one, and I look forward to strengthening that partnership even further.”

—Richard L. Dunkle, Deputy Administrator
Plant Protection and Quarantine
United States Department of Agriculture



Agriculture Statistical Review

Overview

When people think of California, they generally think of Disneyland, Hollywood or even earthquakes. Think again. The Golden State is also home to the largest food and agricultural economy in the nation. No other state even comes close. California's farmers and ranchers have made this state the leader in agricultural production for more than 50 years.

And no, you didn't just hear it through the grapevine. California produces most of the grapes grown in the United States. Are you ready to toast your friends with a glass of wine? Chances are it was produced by one of 950 wineries in the state. Warm days and cool nights are very conducive to growing grapes, and California now produces some of the finest wines in the world. By value, more than 91 percent of all grapes (raisin, table and wine) grown in the United States come from right here in the Golden State.

Got milk? Well, California surpassed Wisconsin a few years back to lay claim as the nation's largest dairy producer, and the industry continues to grow at an astonishing rate. California has some of the largest dairies in the country with 665 cows on an average dairy, while the United States average is less than 100. In 1999, the average milk production per cow in California was 20,788 pounds, 17 percent higher than the national average.

Are you hungry for a fruit or vegetable? Flip a coin. Since the state grows more than half of the nation's fruits and vegetables, there's a fifty-fifty chance it's from California. Oh, and don't forget artichokes, dates, figs, kiwifruit, olives, persimmons and prunes—they'll be hard to find growing in any other state. Don't worry though; these are easy to find in your grocery store with a proud label indicating they're California grown.

And California agriculture is more than just food. Golden State farmers also contribute to the creation of products related to manufacturing, health care, printing, education, recreation, transportation, construction, entertainment and personal care. That's everything from detergents, x-ray film, antibodies, paper, shampoo, toothpaste, footballs, shoes, flowers, tires and antifreeze to baseball bats.

There's no need to question the fact that California is by far the number-one agricultural producer and exporter in the United States. In fact, last year production reached \$26.7 billion. And for those in Texas who like to talk big, that represents more agriculture than Texas and Iowa combined—the second and third leading agricultural states in the nation.



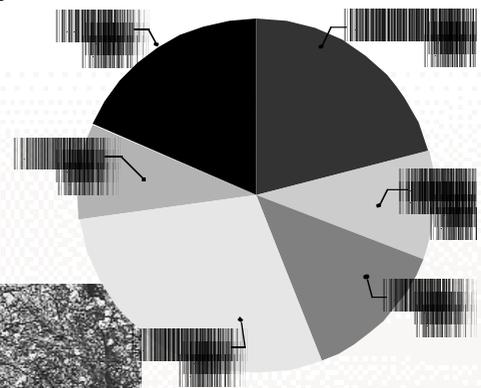
So, if it's for breakfast, lunch, dinner, or almost anything else, remember, it was probably grown right here in California.

California's Gross Cash Income for 1999

Agricultural production and gross cash income in 1999 increased to \$26.7 billion, 2 percent more than the previous year, but 3 percent below the record amount of \$27.2 billion in 1997. Cash receipts from farm marketings totaled \$25.0 billion, up 1 percent from 1998; other farm related income totaled \$1.72 billion.

The chart below indicates total gross cash income from all farm marketings for 1999. Fruit and nut cash receipts, at \$7.16 billion, increased 1 percent from

CALIFORNIA'S GROSS CASH INCOME, 1999
Total: \$26.7 billion



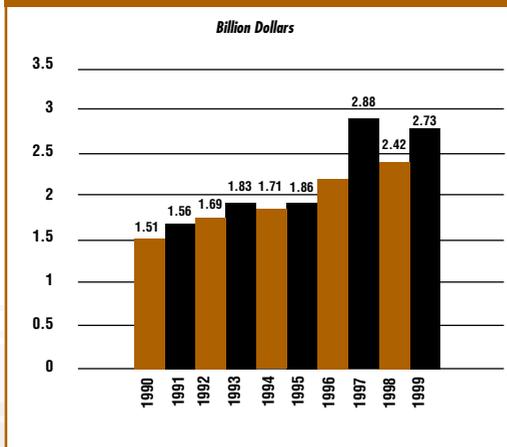


last year and comprised 29 percent of the total. Livestock and poultry were also up 1 percent and comprised 27 percent of the total. Vegetable receipts jumped 4 percent and were 24 percent of the total. Floriculture, with 11 percent of the total, was up 9 percent, while field crops, with 10 percent of the total, declined by 13 percent.

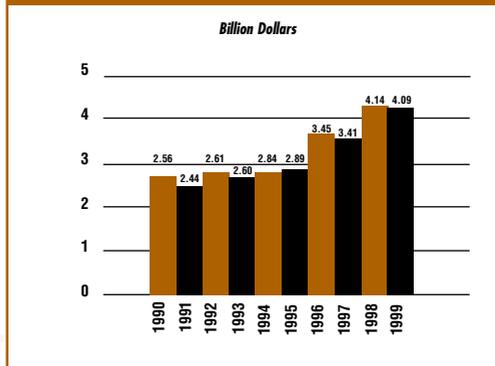
The Golden State's two leading commodities in cash receipts are milk with \$4.09 billion and grapes with \$2.73 billion. Nationally, California has about 19 percent of total milk receipts and 91 percent of grape receipts. Growth in these two commodities over the past ten years is shown in the following charts.



ALL GRAPES CASH RECEIPTS, 1990-1999

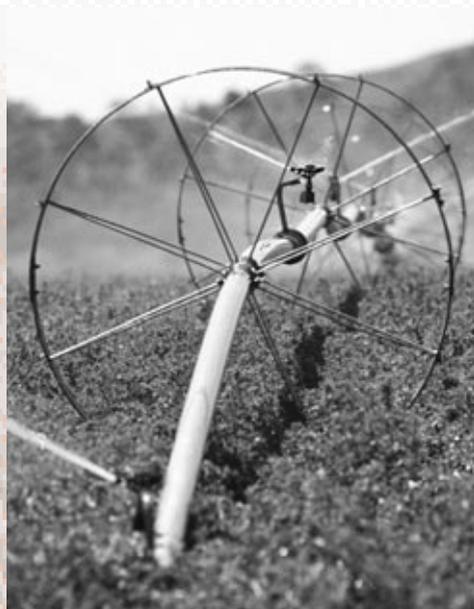


MILK CASH RECEIPTS, 1990-1999



“It is the goal of the Board of Directors to give our membership the best possible information on subject matter that affects the operations of their business. The information that you made available to our association is invaluable.”

— Jeffrey Singler, Executive Director
Round Table Owners Association





NOTABLE INCREASES IN MARKETINGS WERE AS FOLLOWS:

Asparagus.....	16%
Avocados.....	22%
Carrots.....	58%
Cattle and Calves.....	17%
Cherries.....	193%
Cotton Seed.....	34%
Honeydew Melons.....	29%
Olives.....	59%
Potatoes.....	25%
Processing Tomatoes.....	51%
Sweet Potatoes.....	21%

SIGNIFICANT DECREASES IN MARKETINGS OCCURRED IN THE FOLLOWING:

Alfalfa Seed.....	20%
Brussel Sprouts.....	30%
Cabbage.....	27%
Corn for Grain.....	24%
Cotton Lint.....	26%
Fresh Market Tomatoes.....	26%
Honey.....	31%
Kiwifruit.....	38%
Lemons.....	21%
Navel Oranges.....	33%
Onions.....	25%
Snap Beans.....	22%
Tangerines.....	36%
Watermelons.....	25%
Wool.....	42%

California Farm Facts

California has 89,000 farms, which constitute about 4 percent of the nation's total farms. However, these farms account for 13 percent of the national gross cash receipts from farming.

Some 350 crops are recognized in California, including seeds, flowers and ornamentals. This directory contains information on roughly 62 major crops grown on a large commercial scale in California:

- 13 field crops
- 25 fruits and nuts
- 22 vegetables and melons
- Nursery products and cut flowers

In addition, data are shown for 11 livestock, poultry and other products.

California's Top 20 Commodities

California's top 20 crop and livestock commodities account for 81 percent of the state's gross farm income. A large number are specialty crops in which the Golden State accounts for most production in the United States.

Leading Counties

California has some of the most agriculturally productive counties in the country. Of the top ten producing counties nationwide, eight are in California based on the market value of agricultural products sold from the 1997 Census of Agriculture.

CALIFORNIA'S TOP 20 COMMODITIES FOR 1999				
Commodity	Value and Rank \$1,000			
	1997	1998	1999	
Milk and Cream	3,406,390 (1)	4,140,659 (1)	4,089,876 (1)	
Grapes, All	2,882,760 (2)	2,416,637 (2)	2,737,805 (2)	
Nursery	1,720,895 (3)	1,771,003 (3)	1,985,841 (3)	
Cattle and Calves	1,257,018 (5)	1,048,300 (5)	1,223,123 (4)	
Tomatoes, All	817,497 (9)	896,622 (6)	1,104,871 (5)	
Lettuce, All	1,337,175 (4)	1,099,591 (4)	1,088,457 (6)	
Strawberries	686,418 (11)	756,848 (9)	889,207 (7)	
Flowers and Foliage	767,166 (10)	766,836 (8)	775,175 (8)	
Hay, All	967,624 (8)	789,572 (7)	693,326 (9)	
Almonds	1,160,640 (6)	703,590 (10)	693,216 (10)	
Cotton Lint	983,883 (7)	529,259 (12)	673,669 (11)	
Carrots	395,640 (15)	349,663 (15)	552,753 (12)	
Chickens, All	473,210 (13)	507,556 (13)	515,084 (13)	
Oranges, All	584,260 (12)	614,610 (11)	415,920 (14)	
Broccoli	431,301 (14)	454,383 (14)	392,669 (15)	
Avocados	260,162 (21)	263,473 (18)	327,002 (16)	
Eggs, Chicken	344,810 (17)	308,924 (16)	263,690 (17)	
Peaches, All	232,937 (18)	220,017 (20)	238,797 (18)	
Rice	338,241 (23)	288,437 (17)	234,816 (19)	
Cantaloupes	231,569 (24)	218,196 (21)	230,265 (20)	

CALIFORNIA'S TOP 10 AGRICULTURAL COUNTIES				
County	Total Value \$1,000		Leading Commodities	
	1998	1999		
Fresno	3,256,021 (1)	3,559,604 (1)	Grapes, Poultry, Cotton	
Tulare	2,920,567 (2)	3,075,978 (2)	Milk, Grapes, Oranges	
Monterey	2,295,285 (3)	2,369,144 (3)	Lettuce, Broccoli, Strawberries	
Kern	2,080,513 (4)	2,128,896 (4)	Grapes, Cotton, Citrus	
Merced	1,449,754 (5)	1,534,020 (5)	Milk, Chickens, Almonds	
San Joaquin	1,311,088 (7)	1,352,672 (6)	Grapes, Milk, Tomatoes	
San Diego	1,178,391 (9)	1,242,535 (7)	Nursery, Avocados, Eggs	
Stanislaus	1,330,217 (6)	1,210,211 (8)	Milk, Almonds, Chickens	
Riverside	1,199,507 (8)	1,197,362 (9)	Milk, Grapes, Nursery	
Ventura	937,064 (11)	1,059,057 (10)	Strawberries, Lemons, Nursery	



Fresno is the leading agricultural county in the nation and in 1999 reached a record \$3.56 billion in agricultural value. If ranked separately, the value of agricultural commodities in Fresno County would rank it ahead of over half the states in cash receipts.

Weather Highlights for 1999

A devastating freeze hit the San Joaquin Valley in the winter of 1998 (December 20–23). Temperatures in the low 20s caused considerable damage to citrus. A substantial amount of citrus fruit was lost, and most salvageable fruit was of poor quality and went for processing. The Navel orange crop developed slowly because of a cool summer and fall. Consequently, only a small percent of the crop had been picked at time of the frost. About 90 percent of the Navel orange acreage is located in the Central Valley.

“We appreciate the wonderful job all the CDFA employees do every day on behalf of the state of California and, in particular, the agricultural community.”

—Karen Ross, President
California Association of Wine Growers

Valencia oranges and lemons in the San Joaquin Valley were also hit hard. About 60 percent of the Valencia orange acreage and about 15 percent of the lemon acreage are located in the San Joaquin Valley.

Temperatures in Southern California dipped below freezing the same week, but did not stay low long enough to do damage. December’s cold weather also included excessive losses to spring vegetable seedlings and mature winter broccoli and cauliflower crops in the San Joaquin Valley.

Cotton development was well below normal because of cool temperatures, but good fall weather allowed harvest to proceed without any problems and production bounced back from 1998, increasing by 46 percent.

Spring and summer months were relatively mild with no extreme temperatures. Weather remained good well into fall, allowing most crops to be harvested with very few problems. Conditions were particularly good for some fruit and nut crops with several at record production levels, including processing tomatoes.

TOP 5 AGRICULTURAL STATES IN CASH RECEIPTS, 1999		
State	Rank	Total Value <i>Billion Dollars</i>
California	1	25.0
Texas	2	13.2
Iowa	3	9.8
Nebraska	4	8.7
Kansas	5	7.5

Precipitation during the winter months was near normal. Temperatures were on the cool side, and this was actually beneficial because it provided sufficient chilling degrees for a good dormancy, which is important for many non-citrus fruit and nut crops. The cool winter and spring put crop development below normal for most commodities.

Global Marketplace

California is the nation’s leader in agricultural exports, annually shipping over \$6 billion in both food and agricultural commodities around the world. To highlight the importance of these exports, it is estimated that nearly 16 percent of all California’s agricultural production is shipped to foreign markets.

CROP & LIVESTOCK COMMODITIES IN WHICH CALIFORNIA LEADS THE NATION			
Alfalfa Hay	Cherries, Sweet	Kiwifruit	Peaches, Freestone
Alfalfa Seed	Chicory	Ladino Clover Seed	Pears, Bartlett
Almonds	Chinese Cabbage	Lemons	Persimmons
Apricots	Chinese Peas	Lettuce, Head	Pigeons and Squabs
Artichokes	Corn, Fresh Market	Lettuce, Leaf	Pistachios
Asparagus	Currants	Lettuce, Romaine	Plums
Avocados	Cut Flowers	Melons, Cantaloupes	Pomegranates
Beans, Blackeye	Dates	Melons, Casaba	Potted Flowering Plants
Beans, Dry Baby Lima	Endive	Melons, Grenshaw	Prunes
Beans, Dry Large Lima	Figs	Melons, Honeydew	Rabbits
Beans, Garbanzo	Garlic	Melons, Persian	Safflower
Bedding Plants	Goat’s Milk	Milk	Small Grain Hay
Bermuda Grass Seed	Grapes, Raisins	Mustard Greens	Spinach
Broccoli	Grapes, Table	Nectarines	Strawberries
Brussels Sprouts	Grapes, Wine	Nursery Crops	Sudan Grass Seed
Bulbs	Green Onions	Olives	Sweet Rice
Cabbage, Fresh Market	Greenhouse Vegetables	Onions	Processing Tomatoes
Carrots	Herbs	Oriental Vegetables	Vegetable and Flower Seed
Cauliflower	Honey	Parsley	Walnuts
Celery	Kale	Peaches, Clingstone	

California is the sole producer (99% or more) of the commodities in bold.

Among the major commodities, almonds remained the leading agricultural export from California in 1999, representing around 10 percent of the total. Cotton, another leading export commodity, suffered a 41 percent decrease in export value due to production declines and unstable foreign exchange rates. A notable increase occurred for California cherries as exports rebounded an estimated 367 percent from weather-related damage the previous year.

In terms of foreign markets, Canada surpassed Japan as the state's leading agricultural export destination. When combined, these two nations account for well over a quarter of California's total agricultural exports, and they continue to be the state's major export destinations.

With key international markets in Asia, Europe and North America, as indicated by these two tables, California agriculture is clearly enjoyed around the world.

CALIFORNIA'S TOP 10 AGRICULTURAL EXPORT MARKETS, 1999			
Rank	Country	Value of Principal Exports <i>Millions</i>	Leading Exports
1	Canada	1,067	Table Grapes, Processed Tomatoes, Lettuce
2	Japan	1,054	Rice, Cotton, Hay
3	Mexico	281	Milk and Cream, Table Grapes, Processed Tomatoes
4	United Kingdom	252	Wine, Raisins, Almonds
5	Hong Kong	217	Table Grapes, Almonds, Cotton
6	Taiwan	209	Peaches and Nectarines, Cotton, Apples
7	Germany	189	Almonds, Walnuts, Prunes
8	South Korea	178	Cotton, Beef and Products, Oranges
9	Netherlands	155	Wine, Almonds, Prunes
10	Spain	110	Almonds, Walnuts



CALIFORNIA'S TOP 20 AGRICULTURAL EXPORTS, 1998-1999					
Commodity	Rank	1999 California Export Value <i>Millions</i>	Rank	1998 (Revised) California Export Value <i>Millions</i>	Percent Change (1998-1999)
Almonds	1	623.8	1	759.5	-18%
Wine	2	498.5	3	505.7	-1%
Cotton	3	429.5	2	733.7	-41%
Table Grapes ¹	4	312.6	6	265.5	18%
Milk and Cream	5	311.1	5	275.1	13%
Tomatoes, Processed	6	222.8	7	224.4	-1%
Rice ¹	7	194.2	8	208.0	-7%
Raisins	8	191.7	9	194.6	-1%
Walnuts	9	147.5	11	150.5	-2%
Lettuce	10	144.6	13	125.6	15%
Beef and Products ¹	11	141.5	10	162.3	-13%
Oranges	12	139.1	4	320.2	-57%
Strawberries	13	133.7	14	122.0	10%
Prunes	14	130.2	12	134.1	-3%
Peaches/Nectarines ¹	15	108.2	16	92.0	18%
Pistachios	16	89.4	15	120.3	-26%
Broccoli	17	87.4	18	88.8	-2%
Hay	18	86.9	17	89.8	-3%
Lemons	19	86.8	19	87.1	0%
Cherries	20	63.8	35	13.7	367%

¹ The methods used to determine exports for these commodities were updated in 2000 and applied to 1999 data and 1998 revised data.

CALIFORNIA CASH INCOME BY COMMODITY GROUPS, 1997-1999



Source of Income	\$1,000			Source of Income	\$1,000		
	1997	1998	1999		1997	1998	1999
FIELD CROPS				NURSERY AND GREENHOUSE PRODUCTS			
Alfalfa Seed	41,269	56,681	45,263	TOTAL	2,488,061	2,537,839	2,761,016
Barley	19,642	18,486	16,085	Percent of			
Beans, Dry	80,910	60,538	65,912	Gross Cash Income	9.7	10.3	11.1
Corn for Grain	102,179	85,254	64,868	VEGETABLE CROPS			
Cotton Lint	1,032,502	891,492	659,828	Artichokes	73,910	61,633	63,673
Cottonseed	126,621	66,375	88,612	Asparagus	93,224	115,270	133,550
Hay, All	707,221	460,815	402,715	Beans, All Snap	27,894	34,282	26,912
Oats	3,434	2,202	2,174	Broccoli, All	431,301	454,383	392,669
Oil Crops	61,013	51,605	45,867	Brussels Sprouts	21,180	20,985	14,731
Potatoes (Excl. Sweet)	153,014	144,331	180,312	Cabbage	69,911	76,230	55,688
Potatoes, Sweet	55,990	55,333	67,092	Carrots, All	395,640	349,663	552,753
Rice	312,568	322,865	228,210	Cauliflower	181,829	182,650	166,327
Sugar Beets	120,582	108,375	132,813	Celery	247,371	203,126	204,863
Wheat	170,079	109,238	99,058	Corn, Sweet	67,338	88,480	90,613
Other Seed Crops	145,442	161,518	147,882	Cucumbers, All	57,969	66,265	67,128
Other Field Crops	153,885	152,609	148,106	Garlic	268,776	207,511	198,990
TOTAL	3,286,351	2,747,717	2,394,797	Lettuce	1,337,175	1,099,591	1,088,457
Percent of				Melons, Cantaloupe	231,569	218,196	230,265
Gross Cash Income	12.8	11.1	9.6	Melons, Honeydew	68,265	69,673	89,849
FRUIT AND NUT CROPS				Melons, Watermelon	85,283	83,025	62,578
Almonds	1,160,640	703,590	693,216	Mushrooms	163,122	165,790	168,251
Apples	167,613	141,645	134,533	Onions	167,569	194,244	145,889
Apricots	37,673	31,895	30,703	Peppers, Green	155,040	170,374	183,617
Avocados	260,971	273,430	334,214	Spinach, All	89,171	93,046	87,404
Berries, Bushberries	25,367	33,456	36,512	Tomatoes, Fresh	261,630	325,704	242,000
Berries, Strawberries	686,418	756,848	889,207	Tomatoes, Processing	555,867	570,918	862,871
Cherries	63,375	23,512	68,866	Other Vegetable Crops	796,327	934,815	893,230
Dates	23,574	28,631	28,212	TOTAL	5,847,361	5,785,854	6,022,308
Figs	15,209	11,611	12,477	Percent of			
Grapefruit	32,231	70,593	62,992	Gross Cash Income	22.7	23.4	24.1
Grapes	2,875,672	2,560,406	2,731,958	LIVESTOCK, POULTRY AND PRODUCTS			
Kiwifruit	16,483	24,544	15,215	Aquaculture	14,875	11,907	12,730
Lemons	231,392	223,418	168,999	Cattle and Calves	1,257,018	1,048,300	1,223,123
Nectarines	98,895	105,466	112,497	Chickens, All	473,210	507,556	515,084
Olives	66,768	41,310	65,540	Eggs	344,810	308,924	263,690
Oranges, Navel and Misc.	370,373	660,670	439,397	Hogs	46,561	27,133	29,054
Oranges, Valencia	279,780	279,780	279,780	Honey	22,050	23,157	16,059
Peaches, Clingstone	143,000	113,377	116,254	Horses and Mules	55,000	60,000	60,000
Peaches, Freestone	89,937	107,404	122,045	Milk and Cream	3,629,762	4,140,659	4,089,876
Pears	86,879	80,347	75,379	Sheep and Lambs	80,393	51,960	56,601
Pecans	3,960	2,822	2,413	Turkeys	201,978	181,507	192,938
Pistachios	203,400	193,640	161,130	Wool	3,002	2,196	1,271
Plums	76,825	99,388	82,041	Other Livestock/Poultry	178,257	163,164	162,608
Prunes	184,092	130,467	113,666	TOTAL	6,306,916	6,526,463	6,623,034
Tangerines	34,281	32,435	20,750	Percent of			
Walnuts	384,670	238,350	229,230	Gross Cash Income	24.5	26.4	26.5
Other Fruits and Nuts	144,664	113,024	132,170	TOTAL CASH INCOME FROM MARKETINGS			
TOTAL	7,764,142	7,082,059	7,159,396		25,703,300	24,690,406	24,972,642
Percent of				FARM RELATED INCOME			
Gross Cash Income	30.2	28.7	28.6	TOTAL	1,481,904	1,573,234	1,717,607
CHRISTMAS TREES				Percent of			
TOTAL	10,469	10,474	12,091	Gross Cash Income	5.5	6.0	6.4
Percent of				GROSS CASH INCOME FROM FARMING ¹			
Gross Cash Income	0.1	0.1	0.1		27,185,204	26,263,640	26,690,249

¹ Includes value of home consumption, value of inventory adjustments, machine hire and custom work, forest products sold, rental value of farm dwelling, government payments and other miscellaneous farm income. Source: USDA Economic Research Service

FARM INCOME INDICATORS, 1995–1999

Item	\$1,000				
	1995	1996	1997	1998	1999
Final Crop Output	17,014,226	17,792,423	19,501,747	17,844,671	18,227,280
Food grains	410,994	479,683	482,647	432,102	327,268
Feed crops	637,079	740,928	832,475	566,756	485,843
Cotton	1,323,383	947,219	1,159,123	957,867	748,440
Oil crops	56,209	61,566	61,013	51,605	45,687
Tobacco	0	0	0	0	0
Fruits and tree nuts	5,984,807	6,583,733	7,764,139	7,082,060	7,159,397
Vegetables	5,992,402	5,734,847	5,974,158	5,880,267	6,192,153
All other crops	2,682,762	2,849,858	3,210,122	3,174,319	3,128,063
Home consumption	5,870	5,802	5,869	5,935	5,802
Value of inventory adjustment ¹	(79,280)	388,787	12,201	(306,240)	134,447
Final Animal Output	5,385,172	6,129,065	6,519,196	6,691,813	6,725,412
Meat animals	1,262,481	1,158,997	1,383,972	1,127,393	1,308,778
Dairy products	3,080,084	3,714,624	3,629,762	4,140,659	4,089,876
Poultry and eggs	932,903	1,091,775	1,071,112	1,042,834	1,017,014
Miscellaneous livestock	142,079	159,715	222,070	214,652	297,970
Home consumption	12,723	11,067	12,803	11,266	11,798
Value of inventory adjustment ¹	(45,098)	(7,113)	199,477	155,009	(24)
Services and Forestry	1,200,866	1,404,781	1,481,904	1,573,234	1,717,607
Machine hire and custom work	245,872	375,280	412,089	282,648	292,721
Forest products sold	9,320	4,203	4,203	3,300	4,443
Other farm income	290,146	343,417	372,978	545,318	647,042
Gross imputed rental value of farm dwellings	655,528	681,881	692,634	741,968	773,401
FINAL AGRICULTURAL SECTOR OUTPUT ²	23,600,263	25,326,269	27,502,847	26,109,718	26,670,299
less: Intermediate Consumption Outlays	12,266,171	12,357,746	13,897,781	12,926,980	13,837,117
Farm Origin	3,239,473	3,240,591	3,615,232	3,380,236	3,712,106
Feed purchased	2,183,499	2,124,848	2,442,189	2,255,285	2,421,015
Livestock and poultry purchased	553,414	536,428	525,018	421,705	565,635
Seed purchased	502,560	579,315	648,025	703,246	725,456
Manufactured Inputs	2,626,639	2,970,626	3,075,568	2,778,874	2,875,076
Fertilizers and lime	773,913	815,263	911,301	763,327	744,047
Pesticides	899,559	991,914	1,109,170	1,068,373	1,016,436
Petroleum fuel and oils	385,590	470,042	500,896	434,112	512,234
Electricity	567,577	693,407	554,201	513,062	602,359
Other Intermediate Expenses	6,400,059	6,146,529	7,206,981	6,767,870	7,249,935
Repair and maintenance of capital items	717,861	794,865	867,767	762,366	846,839
Machine hire and custom work	804,549	837,396	983,943	1,163,175	1,144,244
Marketing, storage, & transportation expenses	1,634,732	1,444,292	1,601,828	1,426,507	1,625,797
Contract labor	975,178	946,820	1,365,449	1,076,464	1,172,103
Miscellaneous expenses	2,267,739	2,123,156	2,387,994	2,339,358	2,460,952
plus: Net Government Transactions	(338,932)	(278,020)	(376,745)	(249,264)	19,495
+ Direct Government payments	237,670	300,807	220,475	352,849	651,295
- Motor vehicle registration and licensing fees	50,210	41,516	42,203	43,338	43,068
- Property taxes	526,392	537,311	555,017	558,775	588,732
Gross Value Added	10,995,160	12,690,503	13,228,321	12,933,474	12,852,677
less: Capital Consumption	964,205	988,727	1,008,256	1,020,362	1,025,153
Net Value Added	10,030,955	11,701,776	12,220,065	11,913,112	11,827,523
less: Factor Payments	5,172,392	5,670,960	5,972,070	6,134,605	6,841,090
Employee compensation (total hired labor)	3,512,871	3,893,342	4,114,772	4,257,178	4,887,515
Net rent received by non-operator landlords	483,832	566,218	638,848	628,210	654,601
Real estate and non-real estate interest	1,175,689	1,211,400	1,218,450	1,249,217	1,298,974
NET FARM INCOME	4,858,563	6,030,816	6,247,995	5,778,507	4,986,433

¹ A positive value of inventory change represents current-year production not sold by December 1. A negative value is an offset to production from prior years included in current-year sales.

² Final sector output is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the national economy and is the sum of income from production earned by all factors-of-production. Net farm income is the farm operators' share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

Source: USDA Economic Research Service



COMMODITY RANK, ACREAGE, PRODUCTION, VALUE AND
LEADING PRODUCING COUNTIES, 1999

Commodity	US Rank ¹	CA Share of US Prod.	Area Harvested	Short Tons	Total Value ²	CA Rank		Harvest Season	Leading Counties ³
	#	Percent	1,000 Acres	1,000 Tons	\$1,000	1998	1999		
VEGETABLES									
TOTAL VALUE – \$ 6,012,878,000									
Artichokes ⁴	1	99	9.8	56.2	63,673	48	50	Continuous	Monterey, Riverside, Orange, San Mateo
Asparagus	1	51	33.8	55.8	158,330	34	31	Feb. 15–June 30	San Joaquin, Monterey, Imperial, Fresno, Santa Barbara
Beans, Snap	3	7	5.1	20.4	23,338	58	61	Apr. 20–Dec. 15	Tulare, Riverside, Orange, San Luis Obispo, Santa Clara
Broccoli	1	87	124.0	86.8	392,669	14	15	Continuous	Monterey, Santa Barbara, Imperial, Fresno, San Luis Obispo
Brussels Sprouts ⁴	1	96	3.2	20.8	14,731	65	66	Aug. 1–Mar. 15	Santa Cruz, San Mateo
Cabbage, Fresh Market	1	17	12.5	206.2	55,688	45	54	Continuous	Monterey, Santa Barbara, Ventura, San Luis Obispo, Imperial
Carrots	1	83	91.4	1,703.0	552,753	15	12	Continuous	Kern, Imperial, Riverside, Monterey
Cauliflower	1	82	41.0	317.8	166,327	27	28	Continuous	Monterey, Santa Barbara, Imperial
Celery	1	93	25.0	875.0	204,863	24	23	Continuous	Ventura, Monterey, Santa Barbara, San Luis Obispo
Corn, Fresh Market Sweet	1	21	31.0	286.8	90,613	40	39	May 1–Dec. 10	Fresno, Imperial, Riverside, Contra Costa, San Joaquin
Cucumbers, Fresh Market	3	17	6.5	100.8	54,808	50	55	Mar. 20–Nov. 30	San Diego, San Joaquin, Orange, Ventura, Tulare
Cucumbers, Processing	5	7	4.4	44.0	12,320	69	69	July 1–Sept. 30	San Diego, San Joaquin, Orange, Ventura, Tulare
Garlic ⁴	1	84	40.0	330.0	198,990	23	24	Apr. 1–Sept. 15	Fresno, Kern, Monterey
Lettuce, Head	1	77	147.5	2,802.5	767,885	—	—	Continuous	Monterey, Fresno, Imperial, Santa Barbara
Lettuce, Leaf	1	83	36.0	396.0	188,496	—	—	Continuous	Monterey, Imperial, Fresno, Riverside
Lettuce, Romaine	1	71	26.5	371.0	132,076	—	—	Continuous	Riverside, Ventura, Santa clara
Lettuce, All	1	77	210.0	33,569.5	1,088,457	4	6	—	Monterey, Imperial, Fresno, Santa Barbara, San Luis Obispo
Melons, Cantaloupe	1	58	64.5	677.2	230,265	21	20	May 15–Nov. 30	Fresno, Imperial, Riverside, Merced, Kern
Melons, Honeydew	1	74	21.5	225.8	89,849	46	40	June 1–Nov. 30	Fresno, Yolo, Imperial, Sutter, Riverside
Melons, Watermelon	3	15	14.7	316.0	62,578	42	51	May 25–Oct. 15	Riverside, Fresno, Kern, Imperial, San Joaquin
Mushrooms, Agaricus	2	20	0.5	66.1	161,612	30	29	Continuous	Monterey, Santa Clara, San Mateo, San Diego
Onions	1	26	42.3	921.8	145,889	25	33	Apr. 1–Oct. 31	Imperial, Fresno, Kern, San Joaquin, Fresno, Orange
Peppers, Bell	2	41	21.0	315.0	183,617	29	27	July 1–Dec. 10	Riverside, Kern, San Benito, Fresno, Orange
Spinach, Fresh Market	1	84	17.0	131.8	78,260	41	44	Continuous	Monterey, Ventura, Riverside, San Benito, Santa Barbara
Tomatoes, Fresh Market	2	31	44.0	550.0	242,000	—	—	May 15–Dec. 31	Merced, San Joaquin, Fresno, San Diego
Tomatoes, Processing	1	95	329.0	112,239.3	862,871	—	—	June 20–Nov. 10	Fresno, Yolo, San Joaquin, Colusa, Stanislaus
Tomatoes, All	1	88	373.0	12,789.3	1,104,871	6	5	—	Fresno, San Joaquin, Yolo, Merced, Colusa
Other Vegetables and Melons, etc.	—	—	204.0	4,066.0	878,377	—	—	—	—



COMMODITY RANK, ACREAGE, PRODUCTION, VALUE AND
LEADING PRODUCING COUNTIES, 1999 *continued*

Commodity	US	CA	Area Harvested 1,000 Acres	Short Tons (2,000 Lbs.)	Total Value ² \$1,000	CA Rank		Harvest Season	Leading Counties ³
	Rank ¹ #	Share of US Prod. Percent				1998	1999		
FRUITS AND NUTS									
TOTAL VALUE – \$ 6,936,630,000									
Almonds (Shelled) ⁴	1	100	480.0	415.0	693,216	10	10	Aug. 1–Oct. 31	Stanislaus, Kern, Merced, Fresno, Madera
Apples	4	8	35.0	412.5	120,696	32	35	July 15–Oct. 30	San Joaquin, Kern, Fresno, Santa Cruz, Tulare
Apricots	1	94	19.0	85.0	30,703	56	57	May 1–July 15	Stanislaus, Fresno, Tulare, Merced, San Joaquin
Avocados	1	85	59.4	136.0	327,002	18	16	Continuous	San Diego, Ventura, Santa Barbara, Riverside
Berries, Boysenberries	2	29	0.3	1.4	2,308	73	72	June 1–July 15	—
Berries, Raspberries	3	24	1.8	10.4	30,604	59	58	June 1–Oct. 31	Santa Cruz, Monterey
Berries, F.M. Strawberries	1	81	—	509.2	726,191	—	—	—	—
Berries, Proc. Strawberries	1	91	—	248.5	163,016	—	—	—	—
Berries, All Strawberries	1	84	24.6	757.7	889,207	9	7	Feb. 20–Nov. 15	Ventura, Monterey, Santa Cruz, Orange, Santa Barbara
Cherries, Sweet	1	35	18.5	79.5	68,866	63	48	May 20–June 25	San Joaquin, Stanislaus, Santa Clara, Tulare
Dates ⁴	1	99	4.9	22.2	27,528	57	60	Oct. 1–Dec. 15	Riverside, Imperial
Figs ⁴	1	99	15.0	44.9	12,477	68	68	June 10–Sept. 15	Madera, Merced, Fresno
Grapefruit, All	2	12	16.6	244.6	81,329	47	43	Continuous	Riverside, Tulare, San Diego, Imperial
Grapes, Raisin Type	—	—	279.0	2,117.0	763,969	—	—	May 15–Nov. 15	—
Grapes, Table Type	—	—	87.0	757.0	417,431	—	—	May 25–Dec. 15	—
Grapes, Wine Type	—	—	424.0	2,662.0	1,556,405	—	—	Aug. 5–Dec. 15	—
Grapes, All	1	91	790.0	5,536.0	2,737,805	2	2	—	Fresno, Kern, Tulare, San Joaquin, Sonoma
Kiwifruit ⁴	1	99	5.3	27.0	15,215	62	65	Oct. 1–May 31	Tulare, Butte, Yuba, Kern, Fresno
Lemons	1	82	48.5	615.6	214,332	22	22	Continuous	Ventura, Riverside, San Diego, Tulare, Santa Barbara
Nectarines ⁴	1	92	35.5	274.0	112,497	36	37	June 10–Sept. 5	Fresno, Tulare, Kern, Kings
Olives ⁴	1	100	35.3	145.0	65,564	55	49	Sept. 25–Mar. 15	Tulare, Tehama, Glenn, Fresno, Kern
Oranges, Navel and Misc.	—	16	128.0	787.5	227,440	—	—	Nov. 25–May 15	—
Oranges, Valencia	—	19	73.5	562.5	188,480	—	—	May 15–Oct. 15	—
Oranges, All	2	17	201.5	1,350.0	415,920	11	14	—	Tulare, Kern, Ventura, Fresno, San Bernardino
Peaches, Clingstone	1	100	29.8	529.5	115,740	—	—	July 15–Sept. 15	—
Peaches, Freestone	1	52	38.0	381.5	123,057	—	—	May 10–Sept. 15	—
Peaches, All	1	72	67.8	911.0	238,797	20	18	—	Fresno, Tulare, Sutter, Stanislaus, Merced
Pears, All	2	33	19.3	341.0	73,526	43	46	Aug. 5–Oct. 5	Sacramento, Lake, Mendocino, Fresno, Tulare
Pecans	13	1	2.6	1.0	2,413	71	71	Sept. 1–Nov. 30	Tulare
Pistachios ⁴	1	96	71.0	61.5	161,130	26	30	Sept. 15–Dec. 10	Kern, Madera, Tulare, Kings, Fresno
Plums	1	90	41.5	196.0	82,041	38	42	May 25–Aug. 20	Tulare, Fresno, Kern, Madera, Kings
Prunes, Dried Basis ⁴	1	100	83.0	178.0	149,490	44	32	Aug. 15–Oct. 10	Sutter, Butte, Tulare, Glenn, Tehama
Tangerines, Mandarins, Tangelos, and Tangors	2	20	8.6	56.2	22,564	60	62	Nov. 1–Apr. 30	Tulare, Riverside, San Diego, Imperial
Walnuts ⁴	1	99	191.0	283.0	229,230	19	21	Sept. 5–Nov. 10	San Joaquin, Stanislaus, Tulare, Butte, Sutter



COMMODITY RANK, ACREAGE, PRODUCTION, VALUE AND
LEADING PRODUCING COUNTIES, 1999 *continued*

Commodity	US	CA	Area	Short	Total	CA		Harvest	Leading Counties ³
	Rank ¹	Share	Harvested	Tons	Value ²	Rank	Rank		
	#	Percent	1,000 Acres	1,000 Tons	\$1,000	1998	1999		
Other Fruits and Nuts	—	—	44.0	242.0	132,170	—	—	—	—
FIELD AND SEED CROPS									
TOTAL VALUE – \$ 2,969,442,000									
Barley	7	3	125.0	192.0	16,400	66	63	May 15–Oct. 1	Tulare, Siskiyou, Modoc, Fresno, Solano
Beans, Dry	5	8	132.0	130.0	72,020	51	47	Aug. 20–Nov. 15	San Joaquin, Fresno, Stanislaus, Tulare, Ventura
Corn for Grain	23	1	205.0	947.1	84,563	37	41	Sept. 1–Dec. 1	San Joaquin, Tulare, Sacramento, Glenn, Solano
Cotton Lint, All	2	13	844.0	523.9	673,669	12	11	Oct. 1–Jan. 1	Fresno, Kern, Kings, Merced, Tulare
Cottonseed	2	12	—	797.0	109,189	39	38	—	Fresno, Kern, Kings, Merced, Tulare
Hay, Alfalfa and Other	3	5	1,570.0	8,462.0	693,326	7	9	Mar. 1–Nov. 5	Imperial, Kern, Tulare, Merced, Fresno
Oats	15	2	30.0	40.8	3,825	70	70	June 15–Oct. 1	Merced, Siskiyou, San Mateo, Solano, Sonoma
Potatoes (Excl. Sweet)	9	3	43.2	811.4	196,118	31	25	Continuous	Kern, San Joaquin, Riverside, Siskiyou, Modoc
Potatoes, Sweet	3	19	10.0	116.4	76,358	52	45	July 15–Nov. 15	Merced, Stanislaus
Rice ^{5,6}	2	18	505.0	1,834.5	234,816	17	19	Sept. 1–Nov. 30	Colusa, Sutter, Butte, Glenn, Yuba
Sugar Beets ^{5,6}	5	10	108.0	3,337.0	132,813	35	34	Apr. 1–Dec. 10	Imperial, Fresno, San Joaquin, Merced, Solano
Wheat, All	18	2	455.0	1,133.6	114,277	33	36	May 20–Sept. 1	Kern, Fresno, Kings, Imperial, Tulare
Oil Crops ⁷	—	—	176.0	162.9	45,866	54	56	—	—
Other Field Crops	—	—	816.1	9,447.4	516,202	—	—	—	—
NURSERY AND FLOWER CROPS									
TOTAL VALUE – \$ 2,761,016,000									
Nursery Products ^{4,6,8}	1	20	—	—	1,985,841	3	3	Continuous	San Diego, Orange, Los Angeles, Monterey, Ventura
Flowers and Foliage ⁹	1	—	—	—	775,175	8	8	Continuous	San Diego, Santa Barbara,

¹ Based on quantity produced for crops and on quantity marketed for livestock and poultry products.

² Based on value of quantity harvested for crops, value of quantity marketed for livestock and value of quantity produced for poultry products.

³ Based on values published in the county agricultural commissioners' annual reports.

⁴ Share of U.S. production based on 1997 Census of Agriculture.

⁵ The 1999 price and value are based on the 1998 California average price.

⁶ Extracted from county agricultural commissioners' annual reports.

⁷ Includes Sunflower, Safflower and Canola.

⁸ Includes trees, shrubs, vines, bulbs, turf, etc., not included in flowers and foliage category.

⁹ Includes cut flowers, potted plants, foliage plants, bedding plants and indoor decoratives.



COMMODITY RANK, VALUE AND LEADING PRODUCING COUNTIES, 1999

Commodity	US Rank ¹	CA Share of US Prod.	Marketings 1,000 Pounds	Cash Receipts ² \$1,000	CA Rank ³		Leading Counties ³
	#	Percent			1998	1999	
LIVESTOCK, DAIRY, POULTRY, AND APIARY							
TOTAL VALUE – \$6,623,034,000							
Aquaculture	—	—	—	12,730	67	67	Riverside, Imperial, Sacramento
Cattle and Calves	6	4	2,454,800	1,223,123	5	4	Tulare, Imperial, Fresno, Kern, Merced
Chickens, All	—	—	—	515,084	13	13	Fresno, Merced, Stanislaus, Madera
Hogs and Pigs ⁴	27	—	81,945	29,054	61	59	Tulare, Fresno, Stanislaus, Merced
Honey	1	15	30,300	16,059	64	64	Tulare, Riverside, Kings, Kern, Merced
Horses and Mules ⁵	7	3	17	60,000	49	52	Riverside, San Diego, Los Angeles, Santa Barbara
Milk and Cream	1	19	30,408,000	4,089,876	1	1	Tulare, Merced, San Bernardino, Stanislaus, Riverside
Sheep and Lambs	3	12	80,280	56,601	53	53	Kern, Solano, Imperial, Fresno, Merced
Turkeys	6	6	428,750	192,938	28	26	Fresno, Kings, Stanislaus, Tulare, Merced
Wool	3	8	3,630	1,271	72	13	—
<i>Millions of Eggs</i>							
Eggs, Chicken	3	8	6,606	263,690	16	17	Riverside, San Diego, San Bernardino, Merced, Stanislaus
Other Livestock and Poultry	—	—	—	162,608	—	—	—

¹ Based on quantity produced for crops and on quantity marketed for livestock and poultry products.

² Based on value of quantity harvested for crops, value of quantity marketed for livestock and value of quantity produced for poultry products.

³ Based on values published in the county agricultural commissioners' annual reports.

⁴ California share of U.S. production is less than one-half percent.

⁵ Data from 1998 NASS Equine Survey. Leading counties extracted from the 1997 Census of Agriculture.



CALIFORNIA'S FARM NUMBERS AND SIZE, 1950-1999

Year ¹	Number of Farms	Land in Farms 1,000 Acres	Average Size of Farm Acres
1950	144,000	37,500	260
1955	124,000	39,000	316
1960	108,000	38,800	359
1965	82,000	37,800	461
1970	64,000	36,600	572
1975	73,000	34,300	470
1980	81,000	33,800	417
1985	79,000	32,900	416
1986	79,000	32,800	415
1987	83,000	31,900	384
1988	84,000	31,600	376
1989	84,000	31,300	373
1990	85,000	30,800	362
1991	83,000	30,500	367
1992	82,000	30,200	368
1993	85,000	29,900	352
1994	85,000	29,600	348
1995	86,000	29,300	341
1996	86,000	29,000	337
1997	87,000	28,700	330
1998	89,000	28,500	320
1999	89,000	27,800	312

¹ Until 1950 the definition of a farm was: Places of 10 or more acres that had annual sales of agricultural products of \$50 or more and places of less than 10 acres that had annual sales of \$250 or more. Starting in 1975 the new definition of a farm is: Places with annual sales of agricultural products of \$1,000 or more.

CALIFORNIA COUNTIES BY TOTAL VALUE OF PRODUCTION, 1999 ¹



Rank		County	Total Value \$1,000	Leading Crops
1998	1999			
1	1	Fresno	3,559,604	Grapes, Poultry, Cotton, Tomatoes, Milk
2	2	Tulare	3,075,978	Milk, Grapes, Navel and Valencia Oranges, Cattle and Calves, Plums
3	3	Monterey	2,369,144	Head Lettuce, Leaf, Lettuce, Broccoli, Strawberries, All Nursery
4	4	Kern	2,128,896	Grapes, Cotton and Processed Cottonseed, All Citrus, All Milk, Almonds and By-Products
5	5	Merced	1,534,020	Milk, Chickens, Almonds, Tomatoes, Cotton
7	6	San Joaquin	1,352,672	All Grapes, All Milk, All Tomatoes, All Cherries, Almond Meats
9	7	San Diego	1,242,535	Indoor Flowering Plants and Foliage, Ornamental Trees and Shrubs, Avocados, Bedding Plants, Cut Flowers
6	8	Stanislaus	1,210,211	All Milk, Almonds, All Chickens, Cattle and Calves, All Tomatoes
8	9	Riverside	1,197,362	Milk, Table Grapes, Nursery, Eggs, Lemons
11	10	Ventura	1,059,057	Strawberries, Lemons, Nursery Stock, Celery, Valencia Oranges
10	11	Imperial	1,045,092	Cattle and Calves, Alfalfa, Head Lettuce, Carrots, Sugar Beets
12	12	Kings	901,627	Milk, Cotton, Cattle and Calves, Turkeys, Alfalfa Hay
13	13	San Bernardino	722,258	Milk, Cattle and Calves, Oranges, Eggs, Nursery Products
14	14	Madera	700,241	Grapes, Milk, Almonds and Hulls, Pistachios, Nursery Stock
15	15	Santa Barbara	653,047	Strawberries, Broccoli, Wine Grapes, Avocados, Head Lettuce
16	16	Sonoma	483,038	Wine Grapes, Market Milk, Livestock/Poultry/Aquaculture, Cattle and Calves, Vegetables
17	17	San Luis Obispo	393,023	Wine Grapes, Cattle and Calves, Broccoli, Iceberg Lettuce, Vegetable Transplants
18	18	Colusa	351,278	Rice, Processing Tomatoes, Almond Meats, Cucumber Seed, Rice Seed
22	19	Sutter	347,651	Rice, Prunes, Peaches, Tomatoes, Walnuts
19	20	Orange	341,614	Nursery Stock and Cut Flowers, Strawberries, Tomatoes, Bell and Misc. Peppers, Avocados
20	21	Yolo	339,937	Processing Tomatoes, Wine Grapes, Seed Crops, Rice, Alfalfa
21	22	Sacramento	293,859	Wine Grapes, Milk, Bartlett Pears, Processing Tomatoes, Nursery Stock
26	23	Butte	257,393	Milling Rice, All Almonds, Dried Prunes, English Walnuts, Kiwifruit
25	24	Glenn	253,474	Paddy Rice, Dairy Products, Almonds, Prunes, Cattle and Calves
23	25	Los Angeles	253,010	Ornamental Trees and Shrubs, Bedding Plants, Root Vegetables, Peaches, Dry Onions
24	26	Santa Cruz	248,234	Strawberries, Nursery (Woody Ornamentals), Raspberries, Apples, Head Lettuce
27	27	Napa	228,108	Wine Grapes, Nursery Products, Cattle and Calves, Pasture and Range, Livestock Products
28	28	Solano	195,483	Processing Tomatoes, Nursery Stock, Alfalfa Hay, Wine Grapes, Cattle and Calves
30	29	San Benito	179,848	Bell Peppers, Nursery Stock, Salad Lettuce, Head/Packed Lettuce, Livestock and Poultry Products
29	30	San Mateo	177,165	Ornamental Nursery Stock, Potted Plants and Foliage, Mushrooms, Potted Lilies, Potted Orchids
31	31	Santa Clara	176,131	Mushrooms, Nursery Crops, Cut Flowers, Wine Grapes, Bell Peppers
32	32	Mendocino	127,674	Wine Grapes, Bartlett Pears, Cattle and Calves, Milk, Pasture
33	33	Siskiyou	116,598	Cattle and Calves, Alfalfa Hay, Nursery Products, Pasture and Range, Potatoes and Potato Seed
34	34	Yuba	108,220	Rice, Peaches, Walnuts, Cattle and Calves, Prunes
35	35	Tehama	97,221	Cattle and Calves, English Walnuts, Prunes, Milk, Olives
37	36	Humboldt	93,101	Milk and Products, Nursery Stock, Livestock, Field Crops, Vegetable Crops
36	37	Contra Costa	86,694	Bedding Plants, All Milk, All Tomatoes, Grapes, Sweet Corn
39	38	Modoc	63,843	Alfalfa Hay, Cattle and Calves, Potatoes, Pasture and Range, Fruits and Nuts
40	39	Placer	58,124	Rice, Cattle and Calves, Nursery Products, Chickens, Pasture and Range
38	40	Marin	53,542	Milk, Cattle and Calves, Pasture and Range, Poultry, Livestock Products
41	41	Shasta	50,055	Cattle and Calves, Strawberry Plants, Pasture and Range, Other Hay, Alfalfa Hay
43	42	Lake	49,173	Pears, Wine Grapes, Cattle and Calves, English Walnuts, All Hay
42	43	Lassen	46,992	All Hay, Strawberry Plants, Livestock, Pasture and Range, Wild Rice
44	44	Alameda	39,872	Ornamental Trees and Shrubs, Wine Grapes, Cattle and Calves, Bedding Plants, Pasture and Range
45	45	Del Norte	31,098	Nursery Products, Milk, Cattle and Calves, Livestock Products, Pasture and Range
46	46	El Dorado	19,677	Wine Grapes, Nursery Products, Pasture and Range, Apples, Christmas Trees
51	47	Amador	19,640	Wine Grapes, Cattle and Calves, Pasture and Range, Grain Hay, Alfalfa Hay
48	48	Mono	19,186	Cattle and Calves, Carrots, Alfalfa Hay, Pasture and Range, Sheep and Lambs
47	49	Mariposa	18,689	Cattle and Calves, Range, Misc. Livestock and Poultry Products, Forest Products, All Poultry
50	50	Plumas	16,475	Cattle and Calves, Pasture and Range, Alfalfa Hay, Wild Hay, Fruits and Nuts
49	51	Calaveras	15,582	Cattle and Calves, Wine Grapes, Poultry, Livestock and Poultry Products, Walnuts
52	52	Tuolumne	13,782	Cattle and Calves, Pasture and Range, Firewood, Apiary Products, Fruits and Nuts
53	53	Inyo	13,478	Cattle and Calves, Turf, Alfalfa Hay, Other Hay, Sheep and Lambs
54	54	Nevada	6,716	Cattle and Calves, Pasture and Range, Wine Grapes, Christmas Trees, Fruits and Nuts
55	55	Sierra	5,719	Cattle and Calves, Pasture and Range, Wild Hay, Alfalfa Hay, Grain Hay
57	56	Trinity	2,139	Cattle and Calves, Pasture and Range, Wine Grapes, Nursery Products, Other Hay
56	57	San Francisco	1,860	Vegetables, Cut Flowers
58	58	Alpine	0	—

¹ Totals vary slightly from totals published by counties due to classification differences between county and state reports. Reports for Alpine, Mendocino and Yuba counties were not available at publication so 1998 data were used for this report.

SEASONAL RAINFALL WITH COMPARISONS TO NORMAL, 1998–2000

Stations	1998–1999		1999–2000		Normal Annual Rainfall Inches
	Precipitation July 1 to June 30 Inches	Percent of Normal	Precipitation July 1 to June 25 Inches	Percent of Normal	
NORTH COAST					
Eureka	50.09	134	35.30	94	37.63
Ukiah	5.69	15	7.59	20	38.17
Santa Rosa	32.51	109	29.75	98	30.05
CENTRAL COAST					
San Francisco Airport	17.74	90	22.01	111	19.88
San Jose	12.77	90	12.59	88	14.26
Livermore Tele	8.55	61	4.73	34	14.14
Salinas Airport	12.64	104	8.51	69	12.28
Monterey FAA	17.15	118	6.64	45	14.70
King City	7.90	71	11.76	105	11.20
Paso Robles Airport	7.38	58	10.85	85	12.81
SACRAMENTO VALLEY					
Redding	30.59	108	34.40	121	28.51
Red Bluff FSS	20.80	92	22.23	98	22.59
Chico AFS	8.59	34	11.30	44	25.66
Marysville	14.80	70	20.99	99	21.14
Sacramento Airport	13.77	78	21.24	120	17.67
SAN JOAQUIN VALLEY					
Stockton WSO	11.56	83	12.97	92	14.02
Fresno	7.11	67	12.52	117	10.70
Bakersfield	7.00	122	5.12	89	5.75
SOUTH COAST					
Santa Maria Airport	14.58	117	14.92	119	12.57
Santa Barbara	5.05	32	9.12	56	16.42
Oxnard	9.03	64	13.53	95	14.30
Los Angeles	5.08	34	11.57	78	14.83
Riverside	4.88	49	4.03	40	10.04
San Diego Airport	7.09	72	5.79	58	9.97
SOUTHEASTERN INTERIOR					
Bishop	2.07	39	2.13	40	5.37
Lancaster	4.34	60	2.76	38	7.32
Daggett Airport	3.11	79	2.43	62	3.95
Thermal Airport	1.01	32	1.53	47	3.23
Blythe	2.93	81	3.33	92	3.64
Imperial	2.34	85	1.52	55	2.76
CASCADE-SIERRA					
Alturas	14.25	118	11.41	94	12.12
Mt. Shasta	39.08	108	49.93	138	36.30
Blue Canyon	72.57	107	69.35	102	68.07
Yosemite Valley	29.89	80	32.83	88	37.49

Source: Western Regional Climate Center, Reno, Nevada



County Statistical Data

California's counties reported an increase of 5.5 percent in the value of their agricultural production for 1999. Eleven counties reported a production value in excess of \$1.04 billion. Fresno County continues to lead with a production value of \$3.56 billion, an increase of 9.3 percent from last year's total. Tulare County reported a 5.3 percent increase, raising their value of production above the three billion mark to \$3.07.

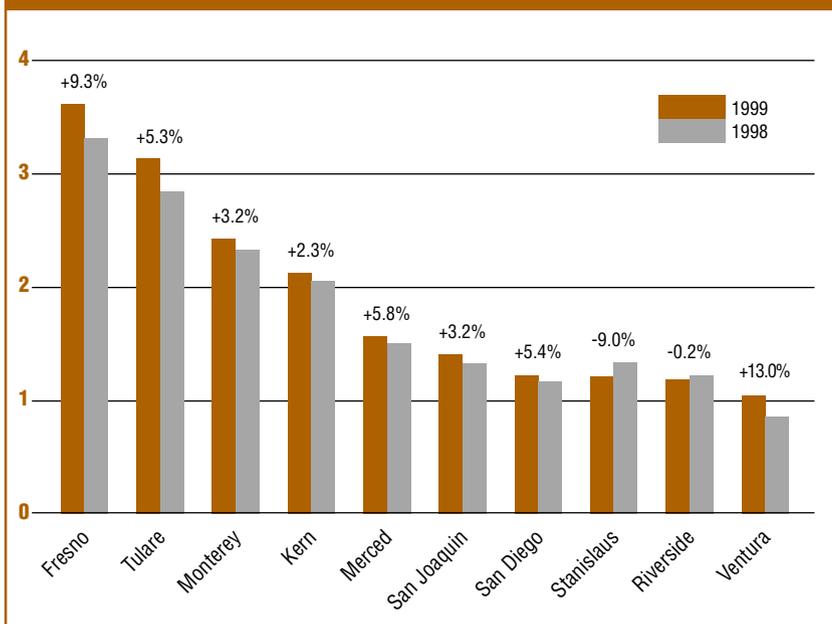
Notes to the Agricultural Commissioners' Data

Gross value of production published in this report includes all farm production, whether sold into usual marketing channels or used on the farm where it was produced. Values placed on pasture and range feed are included and fresh fruit and vegetable crop values are based on the Free-On-Board (F.O.B.) shipping point. Values are recorded for all products grown during the calendar year, regardless of when they are marketed. The county agricultural commissioners' reports





CALIFORNIA'S TOP 10 COUNTIES
1999 VALUE OF PRODUCTION AND PERCENT CHANGE
 (MILLIONS OF DOLLARS)



also provide statistics on a broader range of commodities than estimates prepared by other agencies.

Because of these variations, the state total for gross dollar values summarized in this report differs from the cash receipts to farmers estimated by the California Agricultural Statistics Service. The larger total value reported by agricultural commissioners results from different definitions used in estimating total value of production rather than cash receipts to producers.

Some counties are now including timber as part of their crop report, following the pattern set by the County Agricultural Commissioners' Association. Since it is not comparable to earlier county summaries, timber has not been included in the main tables of this summary. Total value reported by the counties, including timber, is 3 percent more than the \$28.4 billion recorded in the "County Rank by Gross Value of Agricultural Production, 1998-1999" table.

Copies of county agricultural commissioner's reports may be requested directly from each county agricultural commissioner's office. For contact information, refer to the directory section of this publication.

NOTABLE CHANGES IN COUNTY RANKINGS AND PERCENTAGES OF THE STATE TOTAL

Rank	Commodity	Changes in county rankings
1	Milk	Tulare increases their lead.
2	Grapes, All	Fresno is number one with 18 percent of the total.
3	Nursery Products	San Diego leads with 18 percent of the total.
4	Cattle and Calves	Tulare is number one and growing.
5	Lettuce	Monterey leads with more than five of every ten dollars.
6	Cotton	Fresno has one-third of the total.
7	Almonds	Stanislaus is number one followed by Kern and Merced.
8	Tomatoes, Processing	Fresno is ranked number one with more than one-third of the total.
9	Flowers and Foliage	San Diego has more than half of the state total.
10	Oranges	Tulare is first with almost half of the state total.
11	Strawberries	Ventura captures the lead from Monterey.
12	Hay, Alfalfa	Imperial is number one with 17 percent.
13	Rice (Excluding Seed)	Colusa is number one followed by Sutter.
14	Broccoli	Monterey is number one with more than half of the state total.
15	Salad Greens	Monterey dominates with over three-fourths of the total.

COUNTY RANKED BY GROSS VALUE OF AGRICULTURAL PRODUCTION, 1998-1999 ¹

County	Rank Without Timber			County	Rank Without Timber						
	1998 \$1,000	1999 \$1,000	Percent Change		1998 \$1,000	1999 \$1,000	Percent Change				
Fresno	3,261,928	(1)	3,568,379	(1)	9.4	Fresno	3,256,021	(1)	3,559,604	(1)	9.3
Tulare	2,922,780	(2)	3,078,087	(2)	5.3	Tulare	2,920,567	(2)	3,075,978	(2)	5.3
Monterey	2,295,296	(3)	2,369,154	(3)	3.2	Monterey	2,295,285	(3)	2,369,144	(3)	3.2
Kern	2,081,186	(4)	2,129,928	(4)	2.3	Kern	2,080,513	(4)	2,128,896	(4)	2.3
Merced	1,449,763	(5)	1,534,030	(5)	5.8	Merced	1,449,754	(5)	1,534,020	(5)	5.8
San Joaquin	1,311,116	(7)	1,352,690	(6)	3.2	San Joaquin	1,311,088	(7)	1,352,672	(6)	3.2
San Diego	1,178,406	(9)	1,242,548	(7)	5.4	San Diego	1,178,391	(9)	1,242,535	(7)	5.4
Stanislaus	1,330,218	(6)	1,210,211	(8)	-9.0	Stanislaus	1,330,217	(6)	1,210,211	(8)	-9.0
Riverside	1,199,534	(8)	1,197,389	(9)	-0.2	Riverside	1,199,507	(8)	1,197,362	(9)	-0.2
Ventura	937,139	(11)	1,059,123	(10)	13.0	Ventura	937,064	(11)	1,059,057	(10)	13.0
Imperial	1,083,232	(10)	1,045,092	(11)	-3.5	Imperial	1,083,232	(10)	1,045,092	(11)	-3.5
Kings	816,591	(12)	901,627	(12)	10.4	Kings	816,591	(12)	901,627	(12)	10.4
San Bernardino	703,620	(13)	722,273	(13)	2.7	San Bernardino	703,577	(13)	722,258	(13)	2.7
Madera	639,043	(14)	702,323	(14)	9.9	Madera	636,901	(14)	700,241	(14)	9.9
Santa Barbara	613,888	(15)	653,052	(15)	6.4	Santa Barbara	613,878	(15)	653,047	(15)	6.4
Sonoma	461,303	(16)	497,269	(16)	7.8	Sonoma	453,535	(16)	483,038	(16)	6.5
San Luis Obispo	358,838	(17)	393,041	(17)	9.5	San Luis Obispo	358,821	(17)	393,023	(17)	9.5
Colusa	293,670	(18)	351,318	(18)	19.6	Colusa	293,633	(18)	351,278	(18)	19.6
Sutter	268,323	(23)	347,651	(19)	29.6	Sutter	268,323	(22)	347,651	(19)	29.6
Orange	291,903	(19)	341,621	(20)	17.0	Orange	291,849	(19)	341,614	(20)	17.1
Yolo	277,186	(21)	339,937	(21)	22.6	Yolo	277,186	(20)	339,937	(21)	22.6
Sacramento	275,442	(22)	293,883	(22)	6.7	Sacramento	275,408	(21)	293,859	(22)	6.7
Butte	246,985	(25)	286,877	(23)	16.2	Butte	213,315	(26)	257,393	(23)	20.7
Humboldt	289,269	(20)	274,582	(24)	-5.1	Glenn	219,036	(25)	253,474	(24)	15.7
Glenn	229,733	(27)	262,859	(25)	14.4	Los Angeles	265,298	(23)	253,010	(25)	-4.6
Santa Cruz	230,756	(26)	256,097	(26)	11.0	Santa Cruz	221,827	(24)	248,234	(26)	11.9
Los Angeles	265,313	(24)	253,025	(27)	-4.6	Napa	202,121	(27)	228,108	(27)	12.9
Mendocino	224,165	(28)	233,357	(28)	4.1	Solano	185,179	(28)	195,483	(28)	5.6
Napa	202,358	(29)	228,463	(29)	12.9	San Benito	160,597	(30)	179,848	(29)	12.0
Solano	185,194	(30)	195,495	(30)	5.6	San Mateo	172,685	(29)	177,165	(30)	2.6
San Benito	160,597	(33)	179,848	(31)	12.0	Santa Clara	159,769	(31)	176,131	(31)	10.2
San Mateo	174,242	(32)	179,605	(32)	3.1	Mendocino	127,674	(32)	127,674	(32)	0.0
Santa Clara	160,185	(34)	177,859	(33)	11.0	Siskiyou	118,858	(33)	116,598	(33)	-1.9
Siskiyou	178,205	(31)	174,443	(34)	-2.1	Yuba	108,220	(34)	108,220	(34)	0.0
Tehama	118,549	(35)	130,225	(35)	9.8	Tehama	89,901	(35)	97,221	(35)	8.1
Yuba	115,870	(36)	120,158	(36)	3.7	Humboldt	85,775	(37)	93,101	(36)	8.5
Shasta	95,928	(37)	99,468	(37)	3.7	Contra Costa	86,765	(36)	86,694	(37)	-0.1
Contra Costa	86,781	(38)	86,710	(38)	-0.1	Modoc	56,502	(39)	63,843	(38)	13.0
Modoc	62,500	(40)	71,110	(39)	13.8	Placer	48,564	(40)	58,124	(39)	19.7
Placer	68,192	(39)	69,954	(40)	2.6	Marin	58,400	(38)	53,542	(40)	-8.3
Plumas	49,141	(44)	69,063	(41)	40.5	Shasta	48,259	(41)	50,055	(41)	3.7
Lassen	61,938	(41)	64,103	(42)	3.5	Lake	41,640	(43)	49,173	(42)	18.1
Del Norte	53,607	(43)	57,133	(43)	6.6	Lassen	42,588	(42)	46,992	(43)	10.3
Marin	58,400	(42)	53,542	(44)	-8.3	Alameda	33,746	(44)	39,872	(44)	18.2
El Dorado	46,364	(45)	51,438	(45)	10.9	Del Norte	30,222	(45)	31,098	(45)	2.9
Lake	46,160	(46)	50,674	(46)	9.8	El Dorado	18,724	(46)	19,677	(46)	5.1
Alameda	33,771	(48)	39,895	(47)	18.1	Amador	15,104	(51)	19,640	(47)	30.0
Calaveras	32,762	(49)	35,490	(48)	8.3	Mono	17,422	(48)	19,186	(48)	10.1
Trinity	37,544	(47)	32,422	(49)	-13.6	Mariposa	18,303	(47)	18,689	(49)	2.1
Amador	24,826	(52)	28,088	(50)	13.1	Plumas	15,400	(50)	16,475	(50)	7.0
Tuolumne	29,268	(50)	26,301	(51)	-10.1	Calaveras	16,046	(49)	15,582	(51)	-2.9
Nevada	25,057	(51)	20,317	(52)	-18.9	Tuolumne	13,986	(52)	13,782	(52)	-1.5
Mariposa	19,608	(54)	19,693	(53)	0.4	Inyo	12,017	(53)	13,478	(53)	12.2
Mono	19,881	(53)	19,206	(54)	-3.4	Nevada	6,020	(54)	6,716	(54)	11.6
Sierra	11,941	(56)	16,432	(55)	37.6	Sierra	5,553	(55)	5,719	(55)	3.0
Inyo	12,017	(55)	13,478	(56)	12.2	Trinity	1,697	(57)	2,139	(56)	26.0
San Francisco	1,968	(57)	1,860	(57)	-5.5	San Francisco	1,968	(56)	1,860	(57)	-5.5
Alpine	69	(58)	32	(58)	-53.6	Alpine	0	(58)	0	(58)	
STATE	27,709,549		29,209,928		5.4	STATE	26,950,522		28,446,140		5.5



COUNTY STATISTICAL DATA

¹ Totals vary slightly from totals published by counties due to classification differences between county and state reports. Reports for Alpine, Mendocino and Yuba counties were not available at publication so 1998 data were used for this report. Numbers in parentheses are county rankings.
Source: County Agricultural Commissioners' Reports and State Board of Equalization, Timber Tax Division

LEADING COMMODITIES FOR CALIFORNIA COUNTIES, 1999 ¹

\$1,000

ALAMEDA

1. Trees and Shrubs, Ornamental	10,175
2. Grapes, Wine	8,523
3. Cattle and Calves	6,221
5. Pasture and Range	2,940
6. Plants and Foliage, Indoor Decorative	1,432
7. Flowers, Cut	1,230
8. Hay, Other	656
9. Hay, Alfalfa	304
10. Apiary Products	67

AMADOR

1. Grapes, Wine	11,062
2. Cattle and Calves	4,680
3. Pasture and Range	1,719
4. Hay, Grain	347
5. Hay, Alfalfa	339
6. Walnuts, English	283
7. Nursery, Propagative	150
8. Corn, Grain	146
9. Sheep and Lambs	94
10. Trees, Christmas	59

BUTTE

1. Rice, Milling	103,265
2. Almonds, All	37,449
3. Prunes, Dried	27,798
4. Walnuts, English	26,471
5. Kiwifruit	6,735
6. Nursery Stock	6,400
7. Peaches, Clingstone	6,271
8. Cattle and Calves	5,153
9. Seed, Other	5,000
10. Seed, Rice	4,793

CALAVERAS

1. Cattle and Calves	5,478
2. Grapes, Wine	1,414
3. Poultry	1,260
4. Livestock and Poultry Products	800
5. Walnuts	370
6. Apiary Products	357
7. Nursery Products	300
8. Tree, Christmas	297
9. Vegetable Crops	170
10. Sheep and Lambs	104

COLUSA

1. Rice	154,836
2. Tomatoes, Processing	65,875
3. Almonds (Meats)	20,612
4. Seed, Cucumber	10,107
5. Seed, Rice	9,425
6. Cattle and Calves	7,851
7. Prunes	6,156
8. Walnuts, English	5,721
9. Cotton Lint	5,600
10. Seed, Onion	4,507

CONTRA COSTA

1. Plants, Bedding	19,700
2. Milk, All	8,300
3. Tomatoes, All	7,200
4. Grapes	7,000
5. Corn, Sweet	6,300
6. Apples, All	5,200
7. Vegetables, Misc.	3,600
8. Cattle and Calves	3,100
9. Pasture and Range	2,500
10. Nursery, Misc.	2,400

DEL NORTE

1. Nursery Products	14,831
2. Milk	10,111
3. Cattle and Calves	2,981
4. Livestock Products	1,124
5. Pasture and Range	895
6. Hay, Other	552
7. Firewood	452
8. Vegetables	55
9. Hay, Grain	51
10. Fruits and Nuts	28

EL DORADO

1. Grapes, Wine	3,880
2. Nursery Products	2,647
3. Pasture and Range	2,619
4. Apples	2,572
5. Trees, Christmas	2,208
6. Cattle and Calves	1,952
7. Pears	835
8. Cherries	718
9. Apiary Products	266
10. Walnuts, English	132

FRESNO

1. Grapes	605,214
2. Poultry	523,288
3. Cotton	332,472
4. Tomatoes	312,835
5. Milk	222,767
6. Garlic	175,355
7. Cattle and Calves	141,045
8. Almonds	112,294
9. Peaches	104,856
10. Plums	101,346

GLENN

1. Rice	90,241
2. Dairy Products	41,744
3. Almonds	18,558
4. Prunes	14,711
5. Cattle and Calves	12,002
6. Hay, Alfalfa	7,972
7. Corn	7,333
8. Walnuts	6,570
9. Seed, Sunflower	4,861
10. Olives	4,578

HUMBOLDT

1. Milk and Products	38,283
2. Nursery Stock	25,806
3. Livestock	19,936
4. Field Crops	8,201
5. Vegetable Crops	763
6. Fruit and Nut Crops	112
7. —	—
8. —	—
9. —	—
10. —	—

IMPERIAL

1. Cattle and Calves	166,910
2. Alfalfa	118,613
3. Lettuce, Head	101,987
4. Carrots	77,222
5. Sugar Beets	59,231
6. Lettuce, Leaf	48,278
7. Livestock, Misc.	36,998
8. Onions	36,661
9. Broccoli	35,712
10. Seed, Certified	34,887

INYO

1. Cattle and Calves	6,604
2. Turf	2,981
3. Hay, Alfalfa	2,489
4. Hay, Other	360
5. Sheep and Lambs	162
6. Apiary Products	113
7. Fruits and Nuts	50
8. Vegetables	40
9. —	—
10. —	—

KERN

1. Grapes	491,269
2. Cotton and Proc. Cottonseed	233,485
3. Citrus, All	173,887
4. Milk, All	163,985
5. Almonds and By-Products	143,303
6. Carrots, All	107,711
7. Nursery Crops	99,129
8. Cattle and Calves	85,162
9. Hay, Alfalfa	82,396
10. Potatoes, All	76,295

KINGS

1. Milk	317,473
2. Cotton	211,477
3. Cattle and Calves	51,073
4. Turkeys	46,067
5. Hay, Alfalfa	30,907
6. Seed, Alfalfa	26,085
7. Pistachios	21,442
8. Silage, Corn	20,840
9. Tomatoes	20,538
10. Grapes	20,523



LEADING COMMODITIES FOR CALIFORNIA COUNTIES, 1999 ¹ *continued*

\$1,000

LAKE		LASSEN		LOS ANGELES	
1. Pears	22,630	1. Hay, All	19,119	1. Trees and Shrubs, Ornamental	131,030
2. Grapes, Wine	18,293	2. Plants, Strawberry	11,609	2. Plants, Bedding	32,465
3. Cattle and Calves	2,730	3. Livestock	9,933	3. Vegetables, Root	21,205
4. Walnuts, English	2,617	4. Pasture and Range	2,208	4. Peaches	13,904
5. Hay, All	967	5. Rice, Wild	1,156	5. Onions, Dry	13,365
6. Nursery Products	408	6. Field Crops and Misc. Nursery	800	6. Plants and Foliage, Indoor	5,850
7. Pasture and Range	168	7. Mint	694	7. Hay, Alfalfa	5,090
8. Vegetables	140	8. Garlic	666	8. Strawberries	3,542
9. Livestock Products	112	9. Aftermath	280	9. Herbs	3,171
10. Sheep and Lambs	13	10. —	—	10. Ground Covers	1,524
MADERA		MARIN		MARIPOSA	
1. Grapes	228,567	1. Milk	33,879	1. Cattle and Calves	9,448
2. Milk	96,917	2. Cattle and Calves	7,462	2. Range	4,949
3. Almonds and Hulls	86,231	3. Pasture and Range	4,547	3. Livestock/Poultry Products, Misc.	1,638
4. Pistachios	44,568	4. Poultry	2,509	4. Forest Products	1,106
5. Nursery Stock	30,200	5. Livestock Products	1,266	5. Poultry, All	1,017
6. Cotton Lint and Seed	28,571	6. Silage	1,045	6. Fruits and Nuts, Misc.	473
7. Heifers, Replacement	27,600	7. Vegetables	882	7. Apples	262
8. Alfalfa	26,581	8. Nursery Products	708	8. Sheep and Lambs	209
9. Poultry	23,881	9. Sheep and Lambs	519	9. Nursery Stock	136
10. Cattle and Calves	20,234	10. Hay, Other	247	10. Livestock, Misc.	135
MENDOCINO		MERCED		MODOC	
1. Grapes, Wine	83,156	1. Milk	519,743	1. Hay, Alfalfa	12,137
2. Pears, Bartlett	9,853	2. Chickens	165,507	2. Cattle and Calves	11,136
3. Cattle and Calves	6,113	3. Almonds	120,033	3. Potatoes	10,223
4. Milk	4,707	4. Tomatoes	81,741	4. Pasture and Range	7,560
5. Pasture	3,413	5. Cotton	75,900	5. Fruits and Nuts	5,500
6. Nursery	2,685	6. Cattle and Calves	70,579	6. Onions	4,560
7. Apples	1,913	7. Alfalfa	56,586	7. Sugar Beets	3,135
8. Range	1,640	8. Potatoes, Sweet	55,958	8. Hay, Wild	2,800
9. Pears, Bosc	1,066	9. Grapes, Wine	42,754	9. Barley, Malting	2,356
10. Pasture, Irrigated	1,041	10. Silage, Corn	33,775	10. Wheat	1,599
MONO		MONTEREY		NAPA	
1. Cattle and Calves	7,800	1. Lettuce, Head	315,644	1. Grapes, Wine	221,852
2. Carrots	4,176	2. Lettuce, Leaf	268,659	2. Nursery Products	3,156
3. Hay, Alfalfa	3,631	3. Broccoli	241,554	3. Cattle and Calves	1,563
4. Pasture and Range	1,309	4. Strawberries	217,600	4. Pasture and Range	462
5. Sheep and Lambs	972	5. Nursery, All	180,822	5. Livestock Products	268
6. Garlic	734	6. Grapes	157,926	6. Vegetables, All	201
7. Hay, Other	474	7. Cauliflower	105,015	7. Sheep and Lambs	160
8. Wool	90	8. Celery	87,132	8. Hay, Other	123
9. —	—	9. Spinach	64,959	9. Hogs and Pigs	77
10. —	—	10. Mushrooms	61,400	10. Walnuts, English	71
NEVADA		ORANGE		PLACER	
1. Cattle and Calves	2,963	1. Nursery Stock and Cut Flowers	200,966	1. Rice	14,335
2. Pasture and Range	974	2. Strawberries	80,361	2. Cattle and Calves	12,670
3. Grapes, Wine	930	3. Tomatoes	22,138	3. Nursery Products	12,090
4. Trees, Christmas	623	4. Peppers, Bell and Misc.	11,151	4. Chickens	5,944
5. Fruits and Nuts	339	5. Avocados	5,060	5. Pasture and Range	4,307
6. Sheep and Lambs	119	6. Beans, Green	4,661	6. Walnuts	1,558
7. Hogs and Pigs	51	7. Celery	3,487	7. Hay, All	917
8. —	—	8. Lemons	2,871	8. Sheep and Lambs	821
9. —	—	9. Cucumbers	2,471	9. Apiary Products	512
10. —	—	10. Beans, Dry Edible	1,428	10. Prunes	329



COUNTY STATISTICAL DATA

LEADING COMMODITIES FOR CALIFORNIA COUNTIES, 1999 ¹ *continued*

\$1,000

PLUMAS

1. Cattle and Calves	10,467
2. Pasture and Range	2,295
3. Hay, Alfalfa	1,698
4. Hay, Wild	1,191
5. Fruits and Nuts	440
6. Hay, Grain	266
7. Livestock	119
8. —	—
9. —	—
10. —	—

RIVERSIDE

1. Milk	333,564
2. Grapes, Table	136,585
3. Nursery	90,377
4. Eggs	75,233
5. Lemons	45,372
6. Hay, All	42,681
7. Dates	40,303
8. Grapefruit, Ruby and White	36,229
9. Avocados	36,080
10. Peppers, Bell	35,437

SACRAMENTO

1. Grapes, Wine	90,409
2. Milk	48,363
3. Pears, Bartlett	29,271
4. Tomatoes, Processed	18,142
5. Nursery Stock	17,113
6. Rice	12,466
7. Turkeys	9,963
8. Corn, Field	9,245
9. Cattle and Calves	6,394
10. Aquaculture	5,029

SAN BENITO

1. Peppers, Bell	19,723
2. Nursery Stock	19,682
3. Lettuce, Salad	18,106
4. Lettuce, Head/Packed	15,960
5. Livestock and Poultry Products	13,596
6. Grapes, Wine	13,455
7. Lettuce, Leaf	8,531
8. Onions, Bulb	7,930
9. Vegetables, Misc.	7,015
10. Livestock, Pasture & Stockers	5,360

SAN BERNARDINO

1. Milk	471,382
2. Cattle and Calves	67,222
3. Oranges	46,605
4. Eggs	36,270
5. Nursery Products	26,164
6. Alfalfa, All	15,553
7. Vegetables, Oriental	7,567
8. Chickens, Meat	6,118
9. Strawberries	4,932
10. Lemons	3,027

SAN DIEGO

1. Plants/Foliage, Indoor Flowering	306,525
2. Trees and Shrubs, Ornamental	162,569
3. Avocados	147,847
4. Plants, Bedding	145,447
5. Flowers, Cut	82,456
6. Eggs	45,871
7. Tomatoes	35,804
8. Oranges, Valencia	33,819
9. Flowers, Poinsettia	33,565
10. Cucumbers	24,348

SAN FRANCISCO

1. Vegetables	1,101
2. Flowers, Cut	759
3. —	—
4. —	—
5. —	—
6. —	—
7. —	—
8. —	—
9. —	—
10. —	—

SAN JOAQUIN

1. Grapes, All	291,197
2. Milk, All	257,451
3. Tomatoes, All	103,725
4. Cherries, All	71,861
5. Almonds (Meats)	69,801
6. Walnuts, English	61,572
7. Asparagus	59,423
8. Apples	49,323
9. Hay, All	46,091
10. Cattle and Calves	25,946

SAN LUIS OBISPO

1. Grapes, Wine	83,601
2. Cattle and Calves	32,032
3. Broccoli	27,764
4. Lettuce, Iceberg	27,599
5. Vegetable Transplants	23,549
6. Plants, Indoor Decoratives	18,943
7. Flowers, Cut Greenhouse	16,574
8. Peas, Edible Pod	14,015
9. Strawberries	13,667
10. Flowers, Cut Field	12,324

SAN MATEO

1. Nursery Stock, Ornamental	30,230
2. Plants, Potted Foliage	25,104
3. Mushrooms	20,423
4. Flowers, Potted Lilies	6,439
5. Flowers, Potted Orchids	4,782
6. Flowers, Potted Poinsettias	3,982
7. Brussels Sprouts	3,409
8. Flowers, Iris	3,004
9. Flowers, Snapdragons	2,492
10. Forest Products	2,440

SANTA BARBARA

1. Strawberries	80,054
2. Broccoli	74,759
3. Grapes, Wine	60,118
4. Avocados	42,714
5. Lettuce, Head	41,164
6. Cauliflower	41,094
7. Celery	28,099
8. Cattle and Calves	23,901
9. Lemons	11,620
10. Flowers, Cut Roses	11,499

SANTA CLARA

1. Mushrooms	35,204
2. Nursery Crops	33,653
3. Flowers, Cut	14,814
4. Grapes, Wine	12,531
5. Peppers, Bell	9,859
6. Cherries	7,838
7. Lettuce, Leaf	7,623
8. Cattle, Steers and Heifers	7,200
9. Lettuce, Head	3,872
10. Peppers, Wax and Chili	3,324

SANTA CRUZ

1. Strawberries	109,198
2. Nursery, Woody Ornamentals	22,765
3. Raspberries	18,071
4. Apples	14,469
5. Lettuce, Head	11,904
6. Flowers, Cut Standard Roses	11,126
7. Flowers, Cut	10,155
8. Bushberries	5,959
9. Lettuce, Leaf	5,321
10. Plants, Flowers and Foliage	2,240

SHASTA

1. Cattle and Calves	14,268
2. Plants, Strawberry	7,908
3. Pasture and Range	6,456
4. Hay, Other	5,061
5. Hay, Alfalfa	2,920
6. Apiary Products	2,320
7. Rice, Wild	1,811
8. Trees, Christmas	1,434
9. Walnuts, English	962
10. Livestock Products	832

SIERRA

1. Cattle and Calves	3,920
2. Pasture and Range	856
3. Hay, Wild	419
4. Hay, Alfalfa	330
5. Hay, Grain	112
6. Fruits and Nuts	50
7. —	—
8. —	—
9. —	—
10. —	—



LEADING COMMODITIES FOR CALIFORNIA COUNTIES, 1999 ¹ *continued*

\$1,000

SISKIYOU		SOLANO		SONOMA	
1. Cattle and Calves	25,407	1. Tomatoes, Processing	36,785	1. Grapes, Wine	269,271
2. Hay, Alfalfa	24,921	2. Nursery Stock	28,978	2. Milk, Market	91,171
3. Nursery Products	19,901	3. Hay, Alfalfa	18,329	3. Livestock/Poultry/Aquaculture	39,706
4. Pasture and Range	13,005	4. Grapes, Wine	14,131	4. Cattle and Calves	20,667
5. Potatoes and Potato Seed	11,321	5. Cattle and Calves	13,476	5. Vegetables	12,820
6. Onions	3,861	6. Lambs, Feeder	8,477	6. Livestock and Poultry Products	11,107
7. Milk, Market	3,791	7. Corn, Field	7,076	7. Nursery Products	8,293
8. Hay, Other	2,970	8. Wheat, Irrigated	7,034	8. Grapevines	7,501
9. Wheat	2,955	9. Sugar Beets	6,423	9. Apples, All	5,930
10. Barley, Malting	2,045	10. Walnuts	4,360	10. Nursery, Ornementals	2,997
STANISLAUS		SUTTER		TEHAMA	
1. Milk, All	423,145	1. Rice	119,257	1. Cattle and Calves	16,677
2. Almonds	137,511	2. Prunes	40,992	2. Walnuts, English	15,235
3. Chickens, All	109,931	3. Peaches	40,698	3. Prunes	14,481
4. Cattle and Calves	67,527	4. Tomatoes	38,142	4. Milk	11,476
5. Tomatoes, All	55,933	5. Walnuts	26,023	5. Olives	9,598
6. Nursery, Deciduous Fruit and Nut	47,912	6. Nursery Products	11,819	6. Pasture and Range	9,020
7. Walnuts	42,705	7. Melons	8,227	7. Almonds	4,684
8. Grapes, All	35,420	8. Cattle and Calves	8,215	8. Hay, Alfalfa	2,489
9. Peaches, All	34,337	9. Safflower	6,797	9. Aquaculture	1,874
10. Alfalfa	31,618	10. Almonds	6,299	10. Nursery Products	1,367
TRINITY		TULARE		TUOLUMNE	
1. Cattle and Calves	1,175	1. Milk	920,173	1. Cattle and Calves	2,468
2. Pasture and Range	676	2. Grapes	442,652	2. Pasture and Range	1,814
3. Grapes, Wine	169	3. Oranges, Navel and Valencia	349,108	3. Firewood	440
4. Nursery Products	32	4. Cattle and Calves	332,024	4. Apiary Products	254
5. Hay, Other	25	5. Plums	117,971	5. Fruits and Nuts	249
6. —	—	6. Cotton Lint and Seed	84,813	6. Livestock Products	175
7. —	—	7. Hay and Silage, Alfalfa	81,324	7. Hay, Other	130
8. —	—	8. Nectarines	70,446	8. Sheep and Lambs	39
9. —	—	9. Peaches, Clingstone and Freestone	68,702	9. Hogs and Pigs	30
10. —	—	10. Corn, Grain and Silage	55,734	10. —	—
VENTURA		YOLO		YUBA	
1. Strawberries	220,712	1. Tomatoes, Processing	132,668	1. Rice	29,808
2. Lemons	201,643	2. Grapes, Wine	35,431	2. Peaches	17,188
3. Nursery Stock	139,039	3. Seed Crops	26,572	3. Walnuts	14,552
4. Celery	113,222	4. Rice	24,343	4. Cattle and Calves	14,446
5. Oranges, Valencia	70,748	5. Alfalfa	23,788	5. Prunes	7,302
6. Avocados	63,348	6. Safflower	9,916	6. Milk	7,233
7. Flowers, Cut	41,676	7. Walnuts, English	9,657	7. Kiwifruit	3,755
8. Tomatoes	31,700	8. Melons, Honeydew	9,257	8. Pasture and Range	2,688
9. Broccoli	18,430	9. Wheat	7,355	9. Almonds	1,858
10. Lettuce	16,485	10. Prunes, Dried	7,110	10. Corn, Silage	746



¹ The data rankings were extracted from county agricultural commissioners' reports where published. Those not ranked by counties were ranked by California Agricultural Statistics Service. Timber was omitted in rankings. Reports for Alpine, Mendocino and Yuba counties were not available at publication so 1998 data were used for this report.

LEADING COUNTIES BY GROSS VALUE OF PRODUCTION, 1999 ¹

COUNTY STATISTICAL DATA

Commodity	State		Five Leading Counties by Rank and Percentage of State Total									
	Rank	Value \$1,000	1	Percent of Value	2	Percent of Value	3	Percent of Value	4	Percent of Value	5	Percent of Value
Milk and Cream	1	4,076,795	Tulare	22.6	Merced	12.7	San Bernardino	11.6	Stanislaus	10.4	Riverside	8.2
Grapes, All	2	3,423,164	Fresno	17.7	Kern	14.4	Tulare	12.9	San Joaquin	8.5	Sonoma	7.9
Nursery Products ²	3	2,076,075	San Diego	17.6	Orange	9.6	Los Angeles	8.4	Monterey	7	Ventura	6.7
Cattle and Calves, All	4	1,489,295	Tulare	22.3	Imperial	11.2	Fresno	9.5	Kern	5.7	Merced	4.7
Lettuce	5	1,068,258	Monterey	54.7	Imperial	14.1	Fresno	11.5	Santa Barbara	4.7	San Luis Obispo	3.5
Cotton Lint	6	873,612	Fresno	33.3	Kern	22.7	Kings	21.0	Merced	8.7	Tulare	8.6
Almonds	7	778,465	Stanislaus	17.7	Kern	17.2	Merced	15.4	Fresno	14.4	Madera	10.4
Tomatoes, Processing	8	761,815	Fresno	35.7	Yolo	17.4	San Joaquin	8.7	Colusa	8.6	Stanislaus	6.5
Flowers and Foliage ³	9	758,375	San Diego	53.7	Santa Barbara	10.2	San Luis Obispo	6.3	Ventura	5.4	San Mateo	5.0
Oranges	10	758,330	Tulare	46.0	Kern	20.9	Ventura	10.0	Fresno	7.3	San Bernardino	6.1
Strawberries	11	756,156	Ventura	29.2	Monterey	28.8	Santa Cruz	14.4	Orange	10.6	Santa Barbara	10.6
Hay, Alfalfa	12	714,375	Imperial	16.6	Kern	11.5	Tulare	11.0	Merced	7.9	Fresno	7.8
Rice (Excluding Seed)	13	553,527	Colusa	28.0	Sutter	19.8	Butte	18.7	Glenn	16.3	Yuba	5.4
Broccoli	14	460,534	Monterey	52.5	Santa Barbara	16.2	Imperial	7.8	Fresno	6.9	San Luis Obispo	6.0
Salad Greens NEC	15	429,924	Monterey	78.9	San Benito	4.2	Imperial	1.6	—	—	—	—
Peaches, All	16	361,721	Fresno	29.0	Tulare	19.0	Sutter	11.2	Stanislaus	9.5	Merced	6.0
Lemons	17	327,245	Ventura	61.6	Riverside	13.9	San Diego	7.3	Tulare	5.7	Santa Barbara	3.6
Chickens	18	313,429	Merced	52.8	Stanislaus	35.1	San Bernardino	2.3	Madera	2.3	Placer	1.9
Avocados	19	303,475	San Diego	48.7	Ventura	20.9	Santa Barbara	14.1	Riverside	11.9	San Luis Obispo	1.8
Walnuts, English	20	293,620	San Joaquin	21.0	Stanislaus	14.5	Tulare	13.9	Butte	9.0	Sutter	8.9
Turkeys	21	276,486	Fresno	42.9	Kings	16.7	Stanislaus	10.5	Tulare	9.4	Merced	8.3
Celery	22	248,571	Ventura	45.5	Monterey	35.1	Santa Barbara	11.3	San Luis Obispo	3.3	San Benito	1.5
Eggs, Chicken	23	241,818	Riverside	31.1	San Diego	19.0	San Bernardino	15.0	Merced	11.9	Stanislaus	5.6
Plums	24	240,001	Tulare	49.2	Fresno	42.2	Kern	4.5	Madera	2.5	Kings	1.2
Silage, All	25	229,912	Tulare	30.2	Merced	21.5	Stanislaus	11.6	San Joaquin	9.5	Kings	9.1
Garlic	26	200,203	Fresno	87.6	Kern	7.6	Monterey	1.7	Santa Clara	0.6	Mono	0.4
Tomatoes, Fresh Market	27	199,833	Merced	22.5	San Joaquin	18.9	Fresno	18.7	San Diego	17.2	Kern	6.6
Cauliflower	28	198,374	Monterey	52.9	Santa Barbara	20.7	Imperial	9.6	San Luis Obispo	4.2	Riverside	4.0
Pistachios	29	190,736	Kern	34.9	Madera	23.4	Tulare	13.2	Kings	11.2	Fresno	6.1
Apples	30	187,159	San Joaquin	26.4	Kern	22.0	Fresno	11.7	Santa Cruz	7.7	Tulare	6.7
Nectarines	31	182,593	Fresno	47.4	Tulare	38.6	Kern	6.2	Kings	3.2	Stanislaus	1.5
Peppers, Bell	32	177,693	Riverside	19.9	Kern	15.0	San Benito	11.1	Fresno	10.5	Orange	6.3
Pasture and Range, Other	33	176,581	Kern	22.2	Merced	5.8	Tulare	4.6	Monterey	4.1	San Luis Obispo	3.9
Mushrooms	34	165,162	Monterey	37.2	Santa Clara	21.3	San Mateo	12.4	San Diego	10.5	San Bernardino	0.8
Onions	35	163,183	Fresno	25.8	Imperial	22.5	Kern	13.5	San Joaquin	8.8	Los Angeles	8.2
Melons, Cantaloupe	36	159,325	Fresno	46.7	Imperial	21.3	Riverside	13.6	Merced	10.8	Kern	4.3
Prunes	37	158,418	Sutter	25.9	Butte	17.5	Tulare	10.8	Glenn	9.3	Tehama	9.1
Potatoes (Including Seed)	38	152,062	Kern	50.2	San Joaquin	14.1	Riverside	10.9	Siskiyou	7.4	Modoc	6.7
Sugar Beets	39	143,806	Imperial	41.2	Fresno	16.0	San Joaquin	9.1	Merced	8.6	Solano	4.5
Wheat (Excluding Seed)	40	143,353	Kern	16.4	Fresno	13.2	Kings	11.3	Imperial	11.2	Tulare	9.0
Carrots	41	136,722	Imperial	56.5	Riverside	15.2	Monterey	9.3	Mono	3.1	Ventura	2.2
Cottonseed	42	131,722	Fresno	30.8	Kern	26.8	Kings	21.3	Merced	7.2	Tulare	6.9
Asparagus	43	121,472	San Joaquin	48.9	Monterey	17.1	Imperial	16.4	Fresno	10.2	Santa Barbara	2.9
Cherries	44	118,949	San Joaquin	60.4	Stanislaus	7.8	Santa Clara	6.6	Tulare	6.5	Kern	3.4
Pasture, Irrigated	45	105,444	Stanislaus	10.5	Merced	10.5	Tulare	9.8	Siskiyou	8.4	Fresno	4.2
Spinach	46	103,591	Monterey	62.7	Ventura	7.1	Riverside	5.8	San Benito	5.2	Santa Barbara	4.2
Beans, Dry	47	86,570	San Joaquin	14.7	Fresno	14.5	Stanislaus	12.8	Tulare	6.8	Ventura	6.6
Pears	48	84,780	Sacramento	34.5	Lake	26.7	Mendocino	14.0	Fresno	6.2	Tulare	4.9
Corn, Grain	49	80,946	San Joaquin	27.7	Tulare	11.6	Sacramento	11.4	Glenn	9.1	Solano	8.7
Veg. and Vinecrop Seeds	50	75,787	Colusa	33.8	Imperial	10.3	Sutter	9.1	Yolo	8.1	Fresno	5.6
Alfalfa Seed	51	71,011	Fresno	45.3	Kings	36.7	Imperial	17.8	Lassen	0.1	—	—
Grapefruit	52	69,003	Riverside	52.5	Tulare	24.4	San Diego	10.5	Imperial	6.4	San Bernardino	3.4
Olives	53	68,694	Tulare	68.5	Tehama	14.0	Glenn	6.7	Fresno	4.4	Kern	3.8
Potatoes, Sweet	54	63,557	Merced	88.0	Stanislaus	9.9	—	—	—	—	—	—
Artichokes	55	59,645	Monterey	72.1	Riverside	19.6	Orange	1.3	San Mateo	0.8	—	—
Corn, Sweet	56	56,152	Fresno	30.5	Imperial	27.4	Riverside	12.2	Contra Costa	11.3	San Joaquin	3.8
Apricots	57	55,198	Stanislaus	29.8	Fresno	16.5	Tulare	14.7	Merced	12.1	San Joaquin	10.8
Sheep and Lambs	58	54,639	Kern	21.0	Solano	18.4	Imperial	13.9	Fresno	8.0	Merced	3.5
Dates	59	54,479	Riverside	74.0	Imperial	25.9	—	—	—	—	—	—
Melons, Watermelon	60	49,617	Riverside	28.0	Fresno	22.6	Kern	19.5	Imperial	14.4	San Joaquin	6.8
Safflower	61	44,187	Yolo	22.4	San Joaquin	15.3	Sutter	13.9	Kings	13.5	Solano	8.5
Beans, Snap	62	41,219	Tulare	34.9	Riverside	25.9	Orange	11.3	San Luis Obispo	4.6	Santa Clara	3.7
Cucumbers	63	37,357	San Diego	63.5	San Joaquin	13.6	Orange	6.6	Ventura	4.2	Tulare	3.2
Melons, Honeydew	64	35,651	Fresno	27.0	Yolo	26.0	Imperial	17.1	Sutter	16.6	Riverside	7
Hay, Grain	65	31,789	Stanislaus	20.9	Merced	14.6	San Luis Obispo	10.8	Kern	9.8	San Benito	5.5
Hay, Sudan	66	31,672	Imperial	81.7	Tulare	6.5	Riverside	4.9	Solano	3.1	Merced	2.9
Tangerines and Mandarins	67	31,359	Tulare	41.4	Riverside	25.2	San Diego	24.4	Imperial	6.6	Placer	0.8
Hogs and Pigs	68	31,267	Tulare	72.0	Fresno	6.0	Stanislaus	4.8	Merced	3.9	Kings	2.7
Cabbage	69	30,756	Monterey	18.3	Santa Barbara	16.5	Ventura	13.5	San Luis Obispo	12.0	San Benito	11.1
Honey	70	25,612	Tulare	39.1	Riverside	14.2	Kings	9.9	Kern	8.4	Merced	5.3

¹ Compiled from county agricultural commissioners' reports for 1999. Reports for Alpine, Mendocino and Yuba counties were not available at publication so 1998 data were used for this report.

² Includes trees, shrubs, vines, bulbs, and turf not included in flowers and foliage.

³ Includes cut flowers, potted plants, foliage plants, bedding plants and indoor decoratives.

Field Crops



California's 1999 field crop production was worth \$2.97 billion at the farm-gate level. This value was 1 percent higher than the previous year.

The average value per harvested acre increased from \$569 in 1998 to \$592 in 1999. Production of the major field crops in California reached 27.9 million tons, up 5 percent from the 26.7 million tons produced in 1998.

NOTABLE INCREASES IN VALUE OCCURRED AS FOLLOWS:

Cotton	27%
Dry beans.....	28%
Oats.....	25%
Potatoes.....	25%
Sugar beets.....	23%
Sweet potatoes	39%

SIGNIFICANT DECLINES IN VALUE OCCURRED AS FOLLOWS:

Corn for grain	19%
Hay.....	12%
Rice.....	17%
Wheat.....	11%

Hay was again the state's highest value field crop with a total of \$693 million, just edging out cotton lint with a value of \$674 million. Nationally, California is the leading alfalfa producing state and ranked second in all hay production.

The Golden State is ranked number two nationally in all cotton production. The 1999 season produced an increase in cotton with harvested acreage up 6 percent and production up 46 percent.

The large increase in dry bean value was attributed to much higher harvested acreage and production. Rice harvested acreage increased 10 percent and production was up 17 percent, but low prices resulted in a 19 percent decrease in the total rice value. All wheat production was only 2 percent below the previous year, but low prices caused the value to drop by 11 percent.



FIELD CROP ACREAGE, PRODUCTION AND VALUE, 1990-1999



FIELD CROPS

Crop	Crop Year	Planted	Harvested	Yield Per Acre	Production	Value Per Unit	Total Value
Alfalfa Seed ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	—	71,000	494	35,065,000	144.00	50,494
	1991	—	68,000	603	41,012,000	123.00	50,445
	1992	—	46,000	664	30,548,000	112.00	34,214
	1993	—	—	—	—	—	—
	1994	—	—	—	—	—	—
	1995	—	—	—	—	—	—
	1996	—	—	—	—	—	—
	1997	—	—	—	—	—	—
	1998	—	—	—	—	—	—
	1999	—	—	—	—	—	—
Barley		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	300,000	230,000	1.39	320,200	109.17	34,951
	1991	240,000	160,000	1.42	226,600	105.82	23,978
	1992	230,000	190,000	1.49	282,700	107.09	30,275
	1993	250,000	200,000	1.56	312,000	105.00	32,760
	1994	290,000	220,000	1.56	343,200	111.25	38,181
	1995	260,000	200,000	1.68	336,000	136.67	45,920
	1996	250,000	190,000	1.44	273,600	153.75	42,066
	1997	230,000	150,000	1.37	205,200	114.59	23,513
	1998	170,000	125,000	1.44	180,000	97.08	17,475
	1999	170,000	125,000	1.54	192,000	85.42	16,400
Beans, Blackeye Dry ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	49,000	46,000	1,970	906,000	—	—
	1991	42,000	41,000	2,250	923,000	—	—
	1992	23,000	22,000	2,320	510,000	—	—
	1993	24,000	23,000	2,380	548,000	—	—
	1994	32,000	30,000	2,570	771,000	—	—
	1995	44,500	43,500	2,230	970,000	—	—
	1996	24,000	23,000	2,220	511,000	—	—
	1997	30,000	29,000	2,400	695,000	—	—
	1998	33,000	31,000	1,840	570,000	—	—
	1999	39,500	38,500	2,080	800,000	—	—
Beans, Garbanzo Dry ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	³	³	³	³	—	—
	1991	³	³	³	³	—	—
	1992	15,000	15,000	1,260	189,000	—	—
	1993	17,500	16,500	1,350	222,000	—	—
	1994	14,000	14,000	1,870	262,000	—	—
	1995	19,000	17,000	1,690	288,000	—	—
	1996	25,000	23,000	1,530	352,000	—	—
	1997	9,000	9,000	1,670	150,000	—	—
	1998	5,000	5,000	1,600	80,000	—	—
	1999	16,500	16,500	1,760	290,000	—	—
Beans, Dark Red Kidney Dry ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	15,000	14,000	1,800	252,000	—	—
	1991	10,000	10,000	1,670	167,000	—	—
	1992	7,500	7,500	1,640	123,000	—	—
	1993	7,000	7,000	1,730	121,000	—	—
	1994	7,000	7,000	1,790	125,000	—	—
	1995	4,500	4,500	1,600	72,000	—	—
	1996	5,000	5,000	1,640	82,000	—	—
	1997	5,000	5,000	1,800	90,000	—	—
	1998	5,500	5,500	850	47,000	—	—
	1999	3,500	3,500	1,430	50,000	—	—
Beans, Light Red Kidney Dry ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	33,000	31,000	1,620	502,000	—	—
	1991	14,000	14,000	1,640	230,000	—	—
	1992	20,000	19,000	1,820	346,000	—	—
	1993	20,000	19,000	2,120	402,000	—	—
	1994	14,000	13,500	1,950	263,000	—	—
	1995	13,000	12,000	1,740	209,000	—	—
	1996	10,000	10,000	1,870	187,000	—	—
	1997	10,000	10,000	1,980	198,000	—	—
	1998	9,500	8,500	1,380	117,000	—	—
	1999	8,000	8,000	1,560	125,000	—	—

FIELD CROP ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*

Crop	Crop Year	Planted	Harvested	Yield Per Acre	Production	Value Per Unit	Total Value
Beans, Baby Lima Dry ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	25,000	25,000	2,280	570,000	—	—
	1991	40,000	39,000	2,500	975,000	—	—
	1992	21,000	20,000	2,490	498,000	—	—
	1993	14,000	14,000	2,510	351,000	—	—
	1994	26,000	24,500	2,490	609,000	—	—
	1995	23,000	22,000	2,320	510,000	—	—
	1996	24,000	23,000	2,250	517,000	—	—
	1997	37,000	36,000	2,510	902,000	—	—
	1998	13,000	12,000	1,700	204,000	—	—
1999	27,000	26,000	2,600	675,000	—	—	
Beans, Large Lima Dry ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	24,000	23,000	2,000	460,000	—	—
	1991	31,000	30,000	2,270	681,000	—	—
	1992	26,000	25,000	2,460	615,000	—	—
	1993	15,000	15,000	2,330	350,000	—	—
	1994	24,000	23,500	1,830	429,000	—	—
	1995	21,000	20,000	2,080	415,000	—	—
	1996	21,000	20,000	1,970	394,000	—	—
	1997	30,000	29,000	2,480	718,000	—	—
	1998	26,000	25,000	1,250	312,000	—	—
1999	25,000	24,000	1,810	435,000	—	—	
Beans, Pink Dry ^{1,2}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	17,000	17,000	1,260	214,000	—	—
	1991	³	³	³	³	—	—
	1992	4,500	4,500	1,930	87,000	—	—
	1993	4,500	4,500	2,000	90,000	—	—
	1994	7,000	7,000	2,160	151,000	—	—
	1995	7,000	6,000	1,630	98,000	—	—
	1996	8,000	8,000	1,560	125,000	—	—
	1997	4,000	4,000	1,550	62,000	—	—
	1998	5,500	5,500	1,070	59,000	—	—
1999	2,000	2,000	1,250	25,000	—	—	
Beans, Other Dry ^{1,2,4}		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Cwt.</i>		
	1990	12,000	10,000	1,540	154,000	—	—
	1991	16,000	16,000	1,620	259,000	—	—
	1992	4,000	4,000	1,930	77,000	—	—
	1993	7,000	7,000	1,800	126,000	—	—
	1994	12,000	11,500	1,400	161,000	—	—
	1995	13,000	12,000	1,480	178,000	—	—
	1996	11,000	11,000	1,430	157,000	—	—
	1997	10,000	10,000	1,850	185,000	—	—
	1998	12,500	12,500	1,320	165,000	—	—
1999	13,500	13,500	1,481	200,000	—	—	
Beans, All Dry Edible ⁴		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	175,000	166,000	18.42	3,058,000	30.90	94,492
	1991	153,000	150,000	21.57	3,235,000	26.20	84,757
	1992	121,000	117,000	20.90	2,445,000	24.40	59,658
	1993	109,000	106,000	20.85	2,210,000	35.30	78,013
	1994	136,000	131,000	21.20	2,771,000	34.80	96,431
	1995	145,000	137,000	20.00	2,740,000	34.80	95,352
	1996	128,000	123,000	18.90	2,325,000	38.50	89,513
	1997	135,000	132,000	22.70	3,000,000	29.40	88,200
	1998	110,000	105,000	14.80	1,554,000	36.10	56,099
1999	135,000	132,000	19.70	2,600,000	27.70	72,020	
Corn For Grain		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	375,000	160,000	4.48	716,800	108.21	77,568
	1991	330,000	115,000	4.48	515,200	110.71	57,040
	1992	375,000	150,000	4.62	693,000	101.79	70,538
	1993	400,000	170,000	4.62	785,400	113.93	89,480
	1994	420,000	180,000	4.76	856,800	106.43	91,188
	1995	435,000	150,000	4.48	672,000	141.07	94,800
	1996	500,000	220,000	4.48	985,600	120.36	118,624
	1997	585,000	265,000	4.76	1,261,400	108.93	137,403
	1998	600,000	245,000	4.48	1,097,600	95.00	104,272
1999	550,000	205,000	4.62	947,100	89.29	84,563	



FIELD CROP ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*



Crop	Crop Year	Planted	Harvested	Yield Per Acre	Production	Value Per Unit	Total Value
Corn For Silage ²		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	—	210,000	25	5,250,000	—	—
	1991	—	210,000	25	5,250,000	—	—
	1992	—	220,000	25	5,500,000	—	—
	1993	—	225,000	25	5,625,000	—	—
	1994	—	235,000	25	5,875,000	—	—
	1995	—	280,000	25	7,000,000	—	—
	1996	—	275,000	25	6,875,000	—	—
	1997	—	315,000	26	8,190,000	—	—
	1998	—	350,000	25	8,750,000	—	—
1999	—	340,000	26	8,840,000	—	—	
Cotton, American-Pima ⁵		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Bales</i>	<i>Cents Per Lb.</i>	<i>\$1,000</i>
	1990	25,700	25,500	1,080	57,400	107.0	29,481
	1991	64,000	64,000	1,097	146,200	96.2	67,509
	1992	110,000	110,000	1,282	293,700	78.7	110,948
	1993	91,000	91,000	1,132	214,600	84.0	86,527
	1994	81,000	80,800	1,098	184,800	102.0	90,478
	1995	115,000	115,000	937	224,500	126.0	135,778
	1996	165,000	164,000	1,098	375,000	107.0	192,600
	1997	185,000	184,000	1,141	437,200	102.0	214,053
	1998	200,000	180,000	941	352,800	92.3	156,305
1999	240,000	239,000	1,245	602,700	81.7	236,355	
Cotton, Upland ⁵		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Bales</i>	<i>Cents Per Lb.</i>	<i>\$1,000</i>
	1990	1,100,000	1,090,000	1,204	2,734,000	76.9	1,009,174
	1991	980,000	977,000	1,252	2,548,000	66.6	814,545
	1992	1,000,000	995,000	1,359	2,817,000	60.5	819,409
	1993	1,050,000	1,045,000	1,340	2,918,000	65.7	920,220
	1994	1,100,000	1,095,000	1,191	2,717,000	80.3	1,047,240
	1995	1,170,000	1,165,000	953	2,312,000	82.1	911,113
	1996	1,000,000	995,000	1,153	2,390,000	76.5	877,608
	1997	880,000	875,000	1,202	2,191,000	73.2	769,830
	1998	650,000	620,000	887	1,146,000	67.8	372,954
1999	610,000	605,000	1,250	1,580,000	57.5	436,080	
Cotton, All ⁵		<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>Bales</i>	<i>Cents Per Lb.</i>	<i>\$1,000</i>
	1990	1,125,700	1,115,500	1,201	2,791,400	77.5	1,038,655
	1991	1,044,000	1,041,000	1,242	2,694,200	68.2	882,054
	1992	1,110,000	1,105,000	1,351	3,110,700	62.3	930,357
	1993	1,141,000	1,136,000	1,324	3,132,600	67.0	1,006,747
	1994	1,181,000	1,175,800	1,185	2,901,800	81.7	1,137,718
	1995	1,285,000	1,280,000	951	2,536,500	86.0	1,046,891
	1996	1,165,000	1,159,000	1,145	2,765,000	80.6	1,070,208
	1997	1,065,000	1,059,000	1,191	2,628,200	78.0	983,883
	1998	850,000	800,000	899	1,498,800	73.6	529,259
1999	850,000	844,000	1,248	2,182,700	64.3	673,669	
Cottonseed ²		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	—	—	—	1,079,000	148.00	159,692
	1991	—	—	—	1,073,000	104.00	111,592
	1992	—	—	—	1,148,000	120.00	137,760
	1993	—	—	—	1,142,000	132.00	150,744
	1994	—	—	—	1,063,000	143.00	152,009
	1995	—	—	—	940,000	132.00	124,080
	1996	—	—	—	1,020,000	176.00	179,520
	1997	—	—	—	942,000	174.00	163,908
	1998	—	—	—	544,000	177.00	96,288
1999	—	—	—	797,000	137.00	109,189	
Hay, Alfalfa ²		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	—	1,060,000	6.60	6,996,000	104.00	727,584
	1991	—	1,050,000	6.70	7,035,000	82.00	576,870
	1992	—	960,000	6.70	6,432,000	83.00	533,856
	1993	—	920,000	6.90	6,348,000	105.00	666,540
	1994	—	950,000	7.00	6,650,000	112.00	744,800
	1995	—	940,000	6.90	6,486,000	101.00	655,086
	1996	—	940,000	7.00	6,580,000	110.00	723,800
	1997	—	950,000	7.20	6,840,000	119.00	813,960
	1998	—	1,050,000	6.60	6,930,000	98.00	679,140
1999	—	1,030,000	6.80	7,004,000	86.50	605,846	

FIELD CROP ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*

Crop	Crop Year	Planted	Harvested	Yield Per Acre	Production	Value Per Unit	Total Value
Hay, Other ²		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	—	570,000	2.30	1,311,000	77.00	100,947
	1991	—	630,000	2.50	1,575,000	64.50	101,588
	1992	—	490,000	2.70	1,323,000	50.00	66,150
	1993	—	460,000	2.70	1,242,000	74.00	91,908
	1994	—	520,000	3.00	1,560,000	69.50	108,420
	1995	—	530,000	3.50	1,855,000	67.50	125,213
	1996	—	510,000	2.80	1,428,000	82.00	117,096
	1997	—	560,000	2.80	1,568,000	98.00	153,664
	1998	—	580,000	2.80	1,624,000	68.00	110,432
1999	—	540,000	2.70	1,458,000	60.00	87,480	
Hay, All ^{2,6}		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	—	1,630,000	5.10	8,307,000	101.00	828,531
	1991	—	1,680,000	5.13	8,610,000	80.50	678,458
	1992	—	1,450,000	5.35	7,755,000	79.50	600,006
	1993	—	1,380,000	5.50	7,590,000	102.00	758,448
	1994	—	1,470,000	5.59	8,210,000	107.00	853,220
	1995	—	1,470,000	5.67	8,341,000	98.50	780,299
	1996	—	1,450,000	5.52	8,008,000	108.00	840,896
	1997	—	1,510,000	5.57	8,408,000	117.00	967,624
	1998	—	1,630,000	5.25	8,554,000	96.00	789,572
1999	—	1,570,000	5.39	8,462,000	84.00	693,326	
Oats		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	380,000	45,000	1.20	54,000	101.25	5,468
	1991	380,000	45,000	1.20	54,000	96.26	5,198
	1992	380,000	35,000	1.28	44,800	103.13	4,620
	1993	300,000	30,000	1.28	38,400	115.63	4,440
	1994	310,000	30,000	1.28	38,400	183.13	7,032
	1995	350,000	30,000	1.36	40,800	130.63	5,330
	1996	300,000	30,000	1.20	36,000	138.75	4,995
	1997	350,000	30,000	1.28	38,400	123.75	4,752
	1998	320,000	30,000	1.20	36,000	85.00	3,060
1999	275,000	30,000	1.36	40,800	93.75	3,825	
Potatoes, Winter		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	5,500	5,500	230	1,265,000	24.40	30,866
	1991	5,600	4,600	245	1,127,000	17.10	19,272
	1992	5,300	5,300	260	1,378,000	14.10	19,430
	1993	5,600	5,200	200	1,040,000	20.20	21,008
	1994	4,500	4,500	215	968,000	21.10	20,425
	1995	5,000	5,000	260	1,300,000	18.20	23,660
	1996	5,700	5,700	250	1,425,000	21.10	30,068
	1997	6,600	6,600	235	1,551,000	18.10	28,073
	1998	7,000	7,000	220	1,540,000	22.40	34,496
1999	8,500	8,500	260	2,210,000	22.60	49,946	
Potatoes, Spring		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	22,500	22,500	375	8,438,000	10.50	88,599
	1991	21,800	21,800	380	8,284,000	12.60	104,378
	1992	19,300	19,300	375	7,238,000	9.20	66,590
	1993	19,500	19,500	385	7,508,000	13.00	97,604
	1994	20,500	20,500	380	7,790,000	11.60	90,364
	1995	18,000	17,800	350	6,230,000	13.60	84,728
	1996	20,100	20,100	375	7,538,000	13.00	97,994
	1997	20,700	20,700	390	8,073,000	9.85	79,519
	1998	18,500	18,500	335	6,198,000	10.50	65,079
1999	19,000	19,000	400	7,600,000	10.80	82,080	
Potatoes, Summer		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	5,300	5,300	330	1,749,000	12.30	21,513
	1991	4,800	4,800	325	1,560,000	8.85	14,274
	1992	4,400	4,300	320	1,376,000	16.80	23,117
	1993	4,800	4,800	330	1,584,000	13.30	21,067
	1994	5,700	5,700	370	2,109,000	13.00	27,417
	1995	5,500	5,500	320	1,760,000	17.50	30,800
	1996	5,800	5,800	360	2,088,000	14.60	30,485
	1997	5,900	5,900	360	2,124,000	14.50	30,798
	1998	6,200	6,100	355	2,166,000	11.90	25,775
1999	6,700	6,700	360	2,412,000	14.70	35,456	



FIELD CROP ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*



FIELD CROPS

Crop	Crop Year	Planted	Harvested	Yield Per Acre	Production	Value Per Unit	Total Value
Potatoes, Fall		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	17,000	17,000	390	6,630,000	5.70	37,791
	1991	14,000	14,000	385	5,390,000	4.15	22,369
	1992	14,000	14,000	400	5,600,000	7.85	43,960
	1993	12,000	12,000	400	4,800,000	9.35	44,880
	1994	14,000	14,000	400	5,600,000	6.05	33,880
	1995	13,000	13,000	410	5,330,000	9.65	51,435
	1996	11,500	11,500	400	4,600,000	4.80	22,080
	1997	10,500	10,500	400	4,200,000	8.10	34,020
	1998	10,300	10,300	360	3,708,000	8.40	31,147
1999	9,000	9,000	445	4,005,000	7.15	28,636	
Potatoes, All (Excl. Sweet)		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	50,300	50,300	359	18,082,000	10.00	178,769
	1991	46,200	45,200	362	16,361,000	9.90	160,293
	1992	43,000	42,900	363	15,592,000	9.85	153,097
	1993	41,900	41,500	360	14,932,000	12.40	184,559
	1994	44,700	44,700	368	16,467,000	10.60	172,086
	1995	41,500	41,300	354	14,620,000	13.10	190,623
	1996	43,100	43,100	363	15,651,000	11.70	180,627
	1997	43,700	43,700	365	15,948,000	10.90	172,410
	1998	42,000	41,900	325	13,612,000	11.60	156,497
1999	43,200	43,200	376	16,227,000	12.10	196,118	
Potatoes, Sweet		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	8,300	8,300	175	1,453,000	16.70	24,265
	1991	8,200	8,200	185	1,517,000	27.10	41,111
	1992	9,000	9,000	205	1,845,000	20.30	37,454
	1993	8,300	8,300	210	1,743,000	24.30	42,355
	1994	8,200	8,200	205	1,681,000	28.70	48,245
	1995	9,600	9,600	200	1,920,000	33.00	63,360
	1996	9,600	9,600	225	2,160,000	26.10	56,376
	1997	9,700	9,700	205	1,989,000	28.00	55,692
	1998	9,700	9,700	220	2,134,000	25.80	55,057
1999	9,500	9,500	245	2,328,000	32.80	76,358	
Rice, Long ²		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>		
	1990	18,000	18,000	73.00	1,314,000	—	—
	1991	16,000	16,000	73.00	1,168,000	—	—
	1992	15,000	15,000	80.00	1,200,000	—	—
	1993	14,000	14,000	81.80	1,145,000	—	—
	1994	7,000	7,000	81.00	567,000	—	—
	1995	8,000	8,000	75.00	600,000	—	—
	1996	5,000	5,000	72.00	360,000	—	—
	1997	9,000	9,000	77.00	693,000	—	—
	1998	9,000	9,000	59.70	537,000	—	—
1999	5,000	5,000	68.00	340,000	—	—	
Rice, Medium ²		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>		
	1990	370,000	365,000	77.30	28,215,000	—	—
	1991	326,000	325,000	81.50	26,489,000	—	—
	1992	369,000	367,000	85.40	31,342,000	—	—
	1993	413,000	410,000	83.20	34,112,000	—	—
	1994	470,000	468,000	85.10	39,827,000	—	—
	1995	449,000	447,000	76.00	33,972,000	—	—
	1996	484,000	482,000	75.00	36,150,000	—	—
	1997	493,000	491,000	82.60	40,557,000	—	—
	1998	420,000	418,000	69.90	29,218,000	—	—
1999	455,000	450,000	73.00	32,850,000	—	—	
Rice, Short ²		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>		
	1990	12,000	12,000	75.00	900,000	—	—
	1991	9,000	9,000	77.00	693,000	—	—
	1992	12,000	12,000	79.00	948,000	—	—
	1993	13,000	13,000	78.00	1,014,000	—	—
	1994	10,000	10,000	83.00	830,000	—	—
	1995	10,000	10,000	78.00	780,000	—	—
	1996	13,000	13,000	73.00	949,000	—	—
	1997	16,000	16,000	81.00	1,296,000	—	—
	1998	31,000	31,000	52.60	1,631,000	—	—
1999	50,000	50,000	70.00	3,500,000	—	—	

FIELD CROP ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*

Crop	Crop Year	Planted	Harvested	Yield Per Acre	Production	Value Per Unit	Total Value
Rice, All ⁷		<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>Cwt.</i>	<i>Dollars Per Cwt.</i>	<i>\$1,000</i>
	1990	400,000	395,000	77.00	30,429,000	5.93	180,444
	1991	351,000	350,000	81.00	28,350,000	6.65	188,528
	1992	396,000	394,000	85.00	33,490,000	5.64	188,884
	1993	440,000	437,000	83.00	36,271,000	8.27	299,961
	1994	487,000	485,000	85.00	41,224,000	6.97	287,331
	1995	467,000	465,000	76.00	35,352,000	8.97	310,744
	1996	502,000	500,000	74.90	37,459,000	7.91	296,301
	1997	518,000	516,000	82.50	42,546,000	7.95	338,241
	1998	460,000	458,000	68.50	31,386,000	9.19	288,437
1999	510,000	505,000	72.70	36,690,000	6.40	234,816	
Sugar Beets ^{2,8}		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	173,000	168,000	25.80	4,334,000	41.60	180,294
	1991	165,000	158,000	25.50	4,029,000	37.10	149,476
	1992	154,000	150,000	28.20	4,230,000	35.90	151,857
	1993	138,000	136,000	26.00	3,536,000	35.50	125,528
	1994	143,000	141,000	28.00	3,948,000	33.50	132,258
	1995	116,000	114,000	28.00	3,192,000	39.40	125,765
	1996	84,000	82,000	29.50	2,419,000	43.00	104,017
	1997	101,000	99,000	30.00	2,970,000	40.60	120,582
	1998	101,000	99,000	27.50	2,723,000	39.80	108,375
1999	112,000	108,000	30.90	3,337,000	—	—	
Wheat, Winter (Excl. Durum)		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	620,000	560,000	2.28	1,276,800	107.67	137,469
	1991	450,000	410,000	2.40	984,000	110.00	108,240
	1992	585,000	535,000	2.16	1,155,600	114.33	132,124
	1993	550,000	500,000	2.31	1,155,000	105.00	121,275
	1994	590,000	510,000	2.28	1,162,800	117.33	136,435
	1995	580,000	425,000	1.83	777,800	138.33	107,589
	1996	640,000	550,000	2.07	1,138,500	163.33	185,955
	1997	510,000	400,000	2.10	840,000	123.67	103,880
	1998	500,000	380,000	1.80	684,000	98.67	67,488
1999	500,000	370,000	2.34	865,800	93.33	80,808	
Wheat, Durum		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	60,000	59,000	2.85	168,200	121.33	20,402
	1991	33,000	32,000	3.15	100,800	119.34	12,029
	1992	57,000	55,000	2.79	153,500	118.96	18,261
	1993	41,000	40,000	2.85	114,000	136.00	15,504
	1994	60,000	59,000	2.85	168,200	153.67	25,839
	1995	70,000	68,000	3.00	204,000	165.00	33,660
	1996	140,000	138,000	3.00	414,000	171.33	70,932
	1997	145,000	144,000	2.85	410,400	142.67	58,550
	1998	180,000	175,000	2.70	472,500	127.67	60,323
1999	90,000	85,000	3.15	267,800	124.98	33,469	
Wheat, All		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars Per Ton</i>	<i>\$1,000</i>
	1990	680,000	619,000	2.33	1,445,000	110.33	157,871
	1991	483,000	442,000	2.45	1,084,800	110.87	120,269
	1992	642,000	590,000	2.22	1,309,100	114.88	150,385
	1993	591,000	540,000	2.35	1,269,000	107.78	136,779
	1994	650,000	569,000	2.34	1,331,000	121.92	162,274
	1995	650,000	493,000	1.99	981,800	143.87	141,249
	1996	780,000	688,000	2.26	1,552,500	165.47	256,887
	1997	655,000	544,000	2.30	1,250,400	129.90	162,430
	1998	680,000	555,000	2.09	1,156,500	110.52	127,811
1999	590,000	455,000	2.49	1,133,600	100.81	114,277	



¹ Production is on a clean basis.
² Dashes represent data not published due to the estimate being discontinued, not estimated, or not available.
³ Included in "Beans, Other Dry."
⁴ Includes varieties not listed separately. Excludes beans grown for garden seed.
⁵ Cotton bales are 480 lbs. net-weight.
⁶ Estimated marketings of alfalfa and other hay used as weights to calculate all hay price for 1990-99.
⁷ Excludes sweet and wild rice.
⁸ Includes some acreage carried over and harvested the following spring.

FIELD CROP MONTHLY AVERAGE PRICES RECEIVED, 1990-1999



FIELD CROPS

Crop	Crop Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Barley <i>Dollars Per Cwt.</i>	1990	5.27	5.69	5.40	5.63	5.67	5.75	5.67	5.15	4.81	4.69	5.04	4.85
	1991	5.06	5.90	5.44	5.27	5.29	5.31	4.94	5.15	5.04	5.25	5.00	5.69
	1992	4.92	6.17	5.92	5.67	5.21	5.65	5.10	5.38	5.44	5.50	5.50	5.48
	1993	5.60	5.52	5.75	5.46	5.02	5.33	5.04	5.04	5.17	4.67	5.17	5.04
	1994	5.63	1	5.29	5.31	5.38	5.40	5.21	5.42	1	1	1	5.65
	1995	1	5.67	5.60	1	6.10	1	1	5.77	6.17	1	6.96	7.10
	1996	6.85	8.19	8.63	8.38	8.35	8.60	8.02	7.83	7.13	1	6.33	1
	1997	6.38	1	6.31	1	6.42	6.04	1	6.04	1	1	1	1
	1998	5.90	5.83	5.75	1	1	1	5.04	1	1	1	1	1
	1999	1	1	1	1	4.46	4.42	4.73	4.67	1	1	5.17	4.98
Beans, Dry Edible <i>Dollars Per Cwt.</i>	1990	35.00	35.00	35.00	34.00	34.00	35.00	34.00	33.50	31.00	30.50	30.00	30.00
	1991	30.40	30.00	32.20	32.60	32.40	31.20	31.60	30.80	31.40	28.30	27.70	27.70
	1992	26.70	26.50	26.00	25.00	24.00	23.50	22.50	22.50	22.00	23.50	23.80	25.20
	1993	25.00	24.80	24.70	24.20	23.60	24.20	24.80	27.40	29.40	31.20	35.50	34.80
	1994	36.90	36.70	36.30	37.00	36.00	36.00	37.80	36.90	36.20	33.00	35.10	34.10
	1995	35.40	35.10	35.40	34.60	35.00	35.70	35.20	34.40	34.40	34.00	34.60	33.80
	1996	34.10	34.60	34.30	34.70	35.30	36.20	36.30	36.90	37.20	36.10	37.70	38.70
	1997	38.90	39.60	39.50	39.40	39.60	38.70	39.10	37.80	31.10	30.00	29.70	29.60
	1998	29.10	28.60	28.10	28.60	27.80	28.60	30.40	31.20	31.20	31.30	31.90	37.80
	1999	39.40	39.80	39.40	38.90	37.60	36.20	36.20	34.50	29.30	27.60	27.20	27.60
Cotton Lint, Upland <i>Cents Per Pound</i>	1990	66.80	70.00	73.80	75.70	81.20	73.50	73.90	78.70	76.70	74.90	75.30	78.50
	1991	79.30	81.90	79.70	82.00	83.70	77.80	76.10	68.20	68.50	69.40	70.60	66.60
	1992	60.10	60.90	60.10	64.40	1	66.10	1	54.50	60.30	57.80	59.20	61.90
	1993	62.50	63.30	62.90	62.40	59.50	59.70	1	57.60	54.50	56.10	60.20	62.30
	1994	67.10	70.40	72.20	72.40	72.40	76.40	70.80	65.40	64.80	68.80	75.40	79.30
	1995	94.50	94.80	108.00	113.20	107.90	97.90	99.40	78.40	83.30	78.90	80.30	84.10
	1996	84.70	83.80	85.20	86.30	80.60	82.10	80.00	77.00	77.60	75.60	77.00	77.50
	1997	76.60	77.60	77.40	73.70	75.50	74.50	74.30	68.40	1	76.90	74.70	69.70
	1998	73.40	71.30	71.30	68.60	71.50	77.50	1	71.80	68.80	69.70	73.70	73.30
	1999	68.40	58.50	56.50	56.40	1	55.20	49.70	52.80	1	58.50	56.20	58.70
Cottonseed <i>Dollars Per Ton</i>	1990	—	—	—	—	—	—	—	—	—	145.00	146.00	158.00
	1991	178.00	178.00	—	—	—	—	—	—	—	104.00	103.00	104.00
	1992	—	—	—	—	—	—	—	—	—	118.00	124.00	123.00
	1993	—	—	—	—	—	—	—	—	—	125.00	139.00	136.00
	1994	140.00	—	—	—	—	—	—	—	—	—	141.00	147.00
	1995	157.00	—	—	—	—	—	—	—	—	—	132.00	131.00
	1996	—	—	—	—	—	—	—	—	—	175.00	—	174.00
	1997	189.00	—	—	—	—	—	—	—	—	171.00	175.00	177.00
	1998	—	—	—	—	—	—	—	—	—	135.00	175.00	179.00
	1999	180.00	199.00	—	—	—	—	—	—	—	149.00	141.00	135.00
Hay, Alfalfa (Baled) <i>Dollars Per Ton</i>	1990	110.00	109.00	109.00	123.00	115.00	105.00	100.00	97.00	99.00	103.00	103.00	96.00
	1991	104.00	104.00	101.00	108.00	96.00	92.00	82.00	78.00	78.00	79.00	80.00	78.00
	1992	76.00	76.00	76.00	76.00	93.00	88.00	69.00	78.00	74.00	80.00	79.00	80.00
	1993	86.00	91.00	92.00	97.00	107.00	100.00	91.00	94.00	103.00	107.00	112.00	116.00
	1994	119.00	126.00	123.00	124.00	111.00	116.00	108.00	106.00	114.00	116.00	120.00	131.00
	1995	124.00	113.00	110.00	100.00	100.00	103.00	99.00	97.00	99.00	105.00	98.00	115.00
	1996	100.00	104.00	98.00	108.00	104.00	104.00	100.00	101.00	106.00	111.00	112.00	118.00
	1997	126.00	133.00	127.00	132.00	131.00	125.00	117.00	113.00	113.00	121.00	125.00	119.00
	1998	120.00	121.00	115.00	130.00	107.00	102.00	99.00	99.00	93.00	96.00	89.00	79.00
	1999	79.00	102.00	109.00	101.00	106.00	86.00	76.00	72.00	75.00	80.00	83.00	81.00
Hay, All (Baled) <i>Dollars Per Ton</i>	1990	107.00	107.00	108.00	121.00	111.00	103.00	97.00	94.00	96.00	100.00	101.00	95.00
	1991	102.00	102.00	101.00	107.00	94.00	89.00	81.00	76.00	77.00	77.00	79.00	78.00
	1992	75.00	75.00	75.00	74.00	88.00	84.00	67.00	76.00	71.00	77.00	76.00	75.00
	1993	81.00	85.00	89.00	96.00	104.00	97.00	89.00	92.00	101.00	104.00	108.00	110.00
	1994	116.00	123.00	120.00	122.00	107.00	111.00	104.00	99.00	109.00	112.00	116.00	124.00
	1995	114.00	110.00	109.00	100.00	97.00	99.00	96.00	94.00	98.00	104.00	96.00	106.00
	1996	103.00	96.00	105.00	99.00	102.00	103.00	98.00	100.00	104.00	110.00	110.00	117.00
	1997	124.00	132.00	126.00	128.00	128.00	122.00	115.00	111.00	113.00	110.00	123.00	118.00
	1998	118.00	120.00	113.00	129.00	103.00	100.00	99.00	97.00	91.00	92.00	86.00	79.00
	1999	76.00	100.00	103.00	98.00	103.00	84.00	74.00	71.00	74.00	77.00	81.00	79.00

FIELD CROP MONTHLY AVERAGE PRICES RECEIVED, 1990–1999 *continued*

Crop	Crop Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Potatoes <i>Dollars Per Cwt.</i>	1990	12.80	12.30	15.60	11.00	12.70	9.75	10.00	12.70	6.70	6.50	8.80	11.60
	1991	10.40	8.80	6.75	5.35	11.30	12.10	11.20	9.40	6.95	4.10	5.80	6.75
	1992	6.45	7.00	6.10	7.90	7.45	8.65	11.20	15.30	11.00	8.75	10.70	11.20
	1993	10.90	10.90	9.20	13.60	11.80	11.10	14.70	15.10	11.00	8.50	13.30	13.90
	1994	13.70	11.60	11.60	10.70	11.70	11.00	12.10	11.50	6.75	6.55	8.45	8.40
	1995	8.50	9.80	9.15	8.55	12.10	12.10	14.30	16.80	19.30	13.40	13.50	12.50
	1996	12.20	12.00	14.00	13.90	11.20	13.10	13.10	11.00	14.90	11.20	9.80	7.95
	1997	8.50	8.70	9.95	11.50	8.15	9.95	10.20	13.50	14.70	13.80	8.20	11.20
	1998	11.00	12.30	17.10	15.30	11.00	10.20	9.90	10.90	12.00	10.70	11.50	14.20
	1999	16.70	16.40	12.90	20.40	9.65	11.20	11.70	13.80	17.80	7.40	11.60	10.90
Wheat, All <i>Dollars Per Cwt.</i>	1990	6.18	5.58	6.23	6.42	6.08	5.80	5.83	5.22	4.83	4.82	4.55	4.58
	1991	5.55	4.52	5.08	4.92	4.73	5.33	5.17	5.17	5.18	5.52	5.40	5.25
	1992	6.27	6.63	6.35	6.37	5.73	5.87	5.82	5.43	5.63	5.83	5.75	5.57
	1993	5.88	6.18	5.53	5.33	5.30	5.30	5.00	5.25	5.02	4.97	5.67	5.93
	1994	6.25	5.77	5.73	5.77	6.22	6.30	5.63	5.73	6.27	6.77	6.77	6.63
	1995	7.22	6.40	7.00	6.23	7.12	7.53	6.73	1	1	7.50	8.83	7.72
	1996	8.35	8.73	9.38	9.42	9.23	8.95	7.98	8.02	7.93	7.35	7.20	7.00
	1997	8.03	7.30	7.57	7.23	7.00	6.68	1	1	6.22	6.53	1	1
	1998	1	1	5.22	5.22	6.22	4.98	1	1	1	1	1	1
	1999	4.83	5.02	4.93	5.22	4.65	1	1	1	5.32	1	1	1

¹ Not published due to insufficient sales or disclosure.



BARLEY ACREAGE AND PRODUCTION BY COUNTY, 1998-1999



FIELD CROPS

County	1998				1999			
	Planted	Harvested	Yield/Acre	Production	Planted	Harvested	Yield/Acre	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels (48 Lbs.)</i>	<i>Bushels (48 Lbs.)</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels (48 Lbs.)</i>	<i>Bushels (48 Lbs.)</i>
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Shasta	700	500	60.0	30,000	1,100	900	48.3	43,500
Siskiyou	12,300	11,500	96.5	1,110,000	15,900	13,600	103.4	1,406,500
Trinity	—	—	—	—	—	—	—	—
District Total	13,000	12,000	95.0	1,140,000	17,000	14,500	100.0	1,450,000
Lassen	1,000	700	46.7	32,700	800	300	88.0	26,400
Modoc	11,600	11,300	103.3	1,167,300	14,200	12,300	103.5	1,273,600
Plumas	—	—	—	—	—	—	—	—
District Total	12,600	12,000	100.0	1,200,000	15,000	12,600	103.2	1,300,000
Alameda	400	200	55.0	11,000	400	200	69.0	13,800
Contra Costa	200	100	77.0	7,700	—	—	—	—
Lake	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—
Monterey	10,500	8,400	38.0	319,200	12,800	8,900	37.6	335,000
Napa	—	—	—	—	—	—	—	—
San Benito	6,300	2,500	37.1	92,800	5,800	2,500	43.8	109,400
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	31,500	27,500	37.5	1,030,000	32,200	27,400	39.5	1,081,000
San Mateo	200	100	52.0	5,200	—	—	—	—
Santa Clara	900	300	47.0	14,100	800	300	49.3	14,800
Santa Cruz	—	—	—	—	—	—	—	—
Sonoma	—	—	—	—	—	—	—	—
Combined ¹	—	—	—	—	500	200	70.0	14,000
District Total	50,000	39,100	37.9	1,480,000	52,500	39,500	39.7	1,568,000
Butte	500	300	63.0	18,900	1,300	1,000	43.6	43,600
Colusa	400	100	66.0	6,600	500	400	44.0	17,600
Glenn	1,900	1,700	55.0	93,500	1,300	900	69.4	62,500
Sacramento	900	600	77.0	46,200	800	700	70.3	49,200
Solano	6,500	5,000	49.0	245,000	5,900	4,700	52.1	245,000
Sutter	500	100	66.0	6,600	400	200	50.0	10,000
Tehama	1,100	800	47.5	38,000	2,000	1,600	35.7	57,100
Yolo	700	400	78.0	31,200	700	500	70.0	35,000
Yuba	500	—	—	—	—	—	—	—
District Total	13,000	9,000	54.0	486,000	12,900	10,000	52.0	520,000
Fresno	9,700	8,500	75.0	637,500	6,800	5,500	88.2	485,000
Kern	21,500	14,700	56.9	836,900	21,500	14,500	56.9	825,300
Kings	14,700	11,100	57.0	632,700	12,800	11,000	67.4	741,200
Madera	1,500	1,100	80.0	88,000	1,400	1,000	88.5	88,500
Merced	3,200	1,400	85.0	119,000	3,900	1,800	97.2	175,000
San Joaquin	1,200	600	78.0	46,800	1,000	500	90.0	45,000
Stanislaus	2,000	900	59.0	53,100	1,900	1,100	56.4	62,000
Tulare	11,400	7,000	58.0	406,000	11,000	8,000	60.0	480,000
District Total	65,200	45,300	62.3	2,820,000	60,300	43,400	66.9	2,902,000
Alpine	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
Placer	—	—	—	—	—	—	—	—
Sierra	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—
Combined ¹	200	100	60.0	6,000	—	—	—	—
District Total	200	100	60.0	6,000	—	—	—	—
Imperial	800	100	68.0	6,800	—	—	—	—
Los Angeles	4,200	2,800	45.0	126,000	3,800	1,500	49.8	74,700
Orange	900	200	55.0	11,000	—	—	—	—
Riverside	5,900	3,600	48.4	174,300	5,200	2,500	47.0	117,600
San Bernardino	900	100	79.0	7,900	—	—	—	—
San Diego	900	200	55.0	11,000	—	—	—	—
Santa Barbara	1,800	300	70.0	21,000	1,500	500	70.4	35,200
Ventura	600	200	50.0	10,000	—	—	—	—
Combined ¹	—	—	—	—	1,800	500	65.0	32,500
District Total	16,000	7,500	49.1	368,000	12,300	5,000	52.0	260,000
STATE	170,000	125,000	60.0	7,500,000	170,000	125,000	64.0	8,000,000

¹ These figures include estimates for one or more counties, which normally have less than 200 acres planted.

BEANS, DRY EDIBLE ACREAGE AND PRODUCTION BY COUNTY, 1998-1999

County	1998				1999			
	Planted Acres	Harvested Acres	Yield/Acre Pounds	Production Cwt.	Planted Acres	Harvested Acres	Yield/Acre Pounds	Production Cwt.
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	200	200	1,500	3,000	200	200	2,000	4,000
District Total	200	200	1,500	3,000	200	200	2,000	4,000
Shasta	—	—	—	—	—	—	—	—
Siskiyou	—	—	—	—	—	—	—	—
Trinity	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Lassen	—	—	—	—	—	—	—	—
Modoc	—	—	—	—	—	—	—	—
Plumas	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Alameda	—	—	—	—	—	—	—	—
Contra Costa	—	—	—	—	—	—	—	—
Lake	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—
Monterey	1,200	1,000	1,500	15,000	900	900	2,333	21,000
Napa	—	—	—	—	—	—	—	—
San Benito	—	—	—	—	—	—	—	—
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	700	700	857	6,000	800	800	875	7,000
San Mateo	200	200	1,000	2,000	200	200	1,500	3,000
Santa Clara	400	400	1,750	7,000	400	400	2,000	8,000
Santa Cruz	—	—	—	—	—	—	—	—
Sonoma	—	—	—	—	—	—	—	—
District Total	2,500	2,300	1,304	30,000	2,300	2,300	1,696	39,000
Butte	2,000	1,800	1,444	26,000	800	800	1,375	11,000
Colusa	7,300	7,100	1,197	85,000	6,500	6,400	1,781	114,000
Glenn	1,600	1,600	1,188	19,000	1,400	1,300	1,769	23,000
Sacramento	1,000	1,000	1,300	13,000	900	900	1,778	16,000
Solano	3,900	3,700	1,432	53,000	4,900	4,800	1,792	86,000
Sutter	8,800	8,400	1,226	103,000	9,000	8,900	1,652	147,000
Tehama	1,000	900	1,222	11,000	1,300	1,300	1,769	23,000
Yolo	2,300	2,000	1,200	24,000	3,600	3,400	1,559	53,000
Yuba	200	200	1,000	2,000	200	200	1,500	3,000
District Total	28,100	26,700	1,258	336,000	28,600	28,000	1,700	476,000
Fresno	14,200	13,800	1,761	243,000	18,500	18,000	2,244	404,000
Kern	5,100	5,000	2,200	110,000	8,200	8,100	2,420	196,000
Kings	4,900	4,600	1,630	75,000	8,500	8,400	2,095	176,000
Madera	2,400	2,100	2,095	44,000	2,700	2,700	2,222	60,000
Merced	3,200	3,200	1,281	41,000	5,800	5,700	1,930	110,000
San Joaquin	19,100	18,300	1,317	241,000	20,800	20,200	2,020	408,000
Stanislaus	16,500	15,800	1,373	217,000	18,800	18,200	1,945	354,000
Tulare	7,700	7,400	1,986	147,000	13,000	12,800	2,125	272,000
District Total	73,100	70,200	1,593	1,118,000	96,300	94,100	2,104	1,980,000
Alpine	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
Placer	—	—	—	—	—	—	—	—
Sierra	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Imperial	—	—	—	—	—	—	—	—
Los Angeles	—	—	—	—	—	—	—	—
Orange	1,100	1,000	1,200	12,000	1,400	1,400	1,643	23,000
Riverside	400	400	1,250	5,000	1,000	1,000	1,500	15,000
San Bernardino	—	—	—	—	—	—	—	—
San Diego	200	200	1,000	2,000	200	200	1,500	3,000
Santa Barbara	4,100	3,700	1,189	44,000	4,800	4,600	1,239	57,000
Ventura	300	300	1,333	4,000	200	200	1,500	3,000
District Total	6,100	5,600	1,196	67,000	7,600	7,400	1,365	101,000
STATE	110,000	105,000	1,480	1,554,000	135,000	132,000	1,970	2,600,000



CORN ACREAGE AND PRODUCTION BY COUNTY, 1998-1999



FIELD CROPS

County	1998				1999			
	Planted Acres	Harvested Acres	Yield/Acre Bushels (56 Lbs.)	Production Bushels (56 Lbs.)	Planted Acres	Harvested Acres	Yield/Acre Bushels (56 Lbs.)	Production Bushels (56 Lbs.)
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Shasta	200	—	—	—	300	—	—	—
Siskiyou	300	—	—	—	200	—	—	—
Trinity	—	—	—	—	—	—	—	—
District Total	500	—	—	—	500	—	—	—
Lassen	—	—	—	—	—	—	—	—
Modoc	—	—	—	—	—	—	—	—
Plumas	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Alameda	800	—	—	—	700	—	—	—
Contra Costa	6,000	5,500	145.3	799,000	6,000	5,800	141.0	818,000
Lake	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—
Monterey	300	300	150.0	45,000	300	—	—	—
Napa	—	—	—	—	—	—	—	—
San Benito	200	—	—	—	300	—	—	—
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	200	200	155.0	31,000	200	200	150.0	30,000
San Mateo	—	—	—	—	—	—	—	—
Santa Clara	—	—	—	—	200	—	—	—
Santa Cruz	—	—	—	—	—	—	—	—
Sonoma	500	—	—	—	300	—	—	—
District Total	8,000	6,000	145.8	875,000	8,000	6,000	141.3	848,000
Butte	1,000	700	174.3	122,000	1,000	500	163.0	81,500
Colusa	5,000	4,500	152.7	687,000	4,000	3,700	130.5	483,000
Glenn	20,000	16,500	168.3	2,777,000	15,500	12,000	170.8	2,049,000
Sacramento	37,000	32,500	155.4	5,052,000	30,000	25,000	155.3	3,882,000
Solano	22,000	20,000	154.3	3,086,000	16,000	15,000	168.3	2,525,000
Sutter	6,500	6,000	155.5	933,000	5,000	4,500	157.8	710,000
Tehama	2,000	1,700	137.1	233,000	1,000	800	173.8	139,000
Yolo	30,000	28,500	160.6	4,578,000	22,000	21,000	167.6	3,519,500
Yuba	2,000	1,100	155.5	171,000	1,000	500	146.0	73,000
District Total	125,500	111,500	158.2	17,639,000	95,500	83,000	162.2	13,462,000
Fresno	26,000	7,000	152.3	1,066,000	24,000	6,000	193.3	1,160,000
Kern	14,500	4,000	161.0	644,000	12,000	3,000	158.7	476,000
Kings	49,000	15,000	168.3	2,525,000	43,000	12,000	174.3	2,092,000
Madera	23,500	6,000	162.2	973,000	21,000	6,000	182.8	1,097,000
Merced	73,500	6,000	176.2	1,057,000	72,000	6,000	152.8	917,000
San Joaquin	92,000	59,000	158.9	9,373,000	101,000	61,000	163.4	9,969,000
Stanislaus	54,000	2,000	106.0	212,000	52,000	2,000	131.5	263,000
Tulare	127,500	25,000	171.1	4,278,000	114,000	17,000	179.5	3,052,000
District Total	460,000	124,000	162.3	20,128,000	439,000	113,000	168.4	19,026,000
Alpine	—	—	—	—	—	—	—	—
Amador	700	700	168.6	118,000	700	700	151.4	106,000
Calaveras	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
Placer	300	300	136.7	41,000	300	300	106.7	32,000
Sierra	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—
District Total	1,000	1,000	159.0	159,000	1,000	1,000	138.0	138,000
Imperial	1,300	1,000	183.0	183,000	1,600	800	203.8	163,000
Los Angeles	—	—	—	—	—	—	—	—
Orange	—	—	—	—	—	—	—	—
Riverside	1,800	1,000	136.0	136,000	2,300	700	161.4	113,000
San Bernardino	600	—	—	—	800	—	—	—
San Diego	—	—	—	—	—	—	—	—
Santa Barbara	300	—	—	—	300	—	—	—
Ventura	—	—	—	—	—	—	—	—
District Total	4,000	2,000	159.5	319,000	5,000	1,500	184.0	276,000
Other Counties ¹	1,000	500	160.0	80,000	1,000	500	150.0	75,000
STATE	600,000	245,000	160.0	39,200,000	550,000	205,000	165.0	33,825,000

¹ Includes counties that normally have less than 200 acres planted.

COTTON, AMERICAN PIMA ACREAGE AND PRODUCTION BY COUNTY, 1998-1999

County	1998				1999			
	Planted Acres	Harvested Acres	Yield/Acre Pounds	Production Bales	Planted Acres	Harvested Acres	Yield/Acre Pounds	Production Bales
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Shasta	—	—	—	—	—	—	—	—
Siskiyou	—	—	—	—	—	—	—	—
Trinity	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Lassen	—	—	—	—	—	—	—	—
Modoc	—	—	—	—	—	—	—	—
Plumas	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Alameda	—	—	—	—	—	—	—	—
Contra Costa	—	—	—	—	—	—	—	—
Lake	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—
Monterey	—	—	—	—	—	—	—	—
Napa	—	—	—	—	—	—	—	—
San Benito	—	—	—	—	—	—	—	—
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	—	—	—	—	—	—	—	—
San Mateo	—	—	—	—	—	—	—	—
Santa Clara	—	—	—	—	—	—	—	—
Santa Cruz	—	—	—	—	—	—	—	—
Sonoma	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Butte	—	—	—	—	—	—	—	—
Colusa	—	—	—	—	—	—	—	—
Glenn	—	—	—	—	—	—	—	—
Sacramento	—	—	—	—	—	—	—	—
Solano	—	—	—	—	—	—	—	—
Sutter	—	—	—	—	—	—	—	—
Tehama	—	—	—	—	—	—	—	—
Yolo	—	—	—	—	—	—	—	—
Yuba	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Fresno	84,500	84,000	1,069	187,000	93,700	93,200	1,361	264,300
Kern	44,700	44,200	696	64,100	40,300	39,800	1,148	95,200
Kings	62,700	43,700	946	86,100	92,800	92,800	1,056	204,200
Madera	—	—	—	—	400	400	600	500
Merced	600	600	960	1,200	1,700	1,700	1,440	5,100
San Joaquin	—	—	—	—	—	—	—	—
Stanislaus	—	—	—	—	—	—	—	—
Tulare	7,400	7,400	921	14,200	11,000	11,000	1,449	33,200
District Total	199,900	179,900	941	352,600	239,900	238,900	1,211	602,500
Alpine	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
Placer	—	—	—	—	—	—	—	—
Sierra	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Imperial	—	—	—	—	—	—	—	—
Los Angeles	—	—	—	—	—	—	—	—
Orange	—	—	—	—	—	—	—	—
Riverside	—	—	—	—	—	—	—	—
San Bernardino	—	—	—	—	—	—	—	—
San Diego	—	—	—	—	—	—	—	—
Santa Barbara	—	—	—	—	—	—	—	—
Ventura	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Other Counties ¹	100	100	960	200	100	100	960	200
STATE	200,000	180,000	941	352,800	240,000	239,000	1,210	602,700

¹ Includes counties that normally have less than 200 acres planted.



COTTON, UPLAND ACREAGE AND PRODUCTION BY COUNTY, 1998-1999



FIELD CROPS

County	1998				1999			
	Planted Acres	Harvested Acres	Yield/Acre Pounds	Production Bales	Planted Acres	Harvested Acres	Yield/Acre Pounds	Production Bales
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Shasta	—	—	—	—	—	—	—	—
Siskiyou	—	—	—	—	—	—	—	—
Trinity	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Lassen	—	—	—	—	—	—	—	—
Modoc	—	—	—	—	—	—	—	—
Plumas	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Alameda	—	—	—	—	—	—	—	—
Contra Costa	—	—	—	—	—	—	—	—
Lake	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—
Monterey	—	—	—	—	—	—	—	—
Napa	—	—	—	—	—	—	—	—
San Benito	—	—	—	—	—	—	—	—
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	—	—	—	—	—	—	—	—
San Mateo	—	—	—	—	—	—	—	—
Santa Clara	—	—	—	—	—	—	—	—
Santa Cruz	—	—	—	—	—	—	—	—
Sonoma	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Butte	—	—	—	—	—	—	—	—
Colusa	6,000	6,000	960	12,000	5,000	5,000	1,450	15,100
Glenn	300	300	960	600	600	600	960	1,200
Sacramento	—	—	—	—	—	—	—	—
Solano	—	—	—	—	—	—	—	—
Sutter	700	700	891	1,300	800	800	780	1,300
Tehama	—	—	—	—	—	—	—	—
Yolo	3,000	3,000	800	5,000	1,600	1,600	720	2,400
Yuba	—	—	—	—	—	—	—	—
District Total	10,000	10,000	907	18,900	8,000	8,000	1,200	20,000
Fresno	207,000	206,000	913	392,000	186,000	185,000	1,336	515,000
Kern	142,000	141,000	820	241,000	138,000	137,000	1,326	378,400
Kings	131,000	106,000	806	178,000	113,000	112,000	1,029	240,100
Madera	28,000	27,000	932	52,400	26,000	26,000	1,182	64,000
Merced	63,000	62,000	1,053	136,000	62,000	61,000	1,381	175,500
San Joaquin	—	—	—	—	—	—	—	—
Stanislaus	—	—	—	—	—	—	—	—
Tulare	52,000	51,000	819	87,000	56,000	55,000	1,076	123,300
District Total	623,000	593,000	879	1,086,400	581,000	576,000	1,247	1,496,300
Alpine	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
Placer	—	—	—	—	—	—	—	—
Sierra	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Imperial	7,500	7,500	1,229	19,200	9,000	9,000	1,504	28,200
Los Angeles	—	—	—	—	—	—	—	—
Orange	—	—	—	—	—	—	—	—
Riverside	8,800	8,800	1,096	20,100	10,900	10,900	1,475	33,500
San Bernardino	—	—	—	—	600	600	1,200	1,500
San Diego	—	—	—	—	—	—	—	—
Santa Barbara	—	—	—	—	—	—	—	—
Ventura	—	—	—	—	—	—	—	—
District Total	16,300	16,300	1,157	39,300	20,500	20,500	1,480	63,200
Other Counties ¹	700	700	960	1,400	500	500	480	500
STATE	650,000	620,000	887	1,146,000	610,000	605,000	1,254	1,580,000

¹ Includes counties that normally have less than 500 acres planted.

OAT ACREAGE AND PRODUCTION BY COUNTY, 1998-1999

County	1998				1999			
	Planted	Harvested	Yield/Acre	Production	Planted	Harvested	Yield/Acre	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels (32 Lbs.)</i>	<i>Bushels (32 Lbs.)</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels (32 Lbs.)</i>	<i>Bushels (32 Lbs.)</i>
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	2,100	200	77.5	15,500	2,600	300	83.3	25,000
Combined ¹	300	100	66.0	6,600	400	100	70.0	7,000
District Total	2,400	300	73.7	22,100	3,000	400	80.0	32,000
Shasta	1,900	400	91.3	36,500	1,800	1,200	97.5	117,000
Siskiyou	9,500	3,100	92.1	285,600	10,200	2,400	108.3	260,000
Trinity	—	—	—	—	—	—	—	—
District Total	11,400	3,500	92.0	322,100	12,000	3,600	104.7	377,000
Lassen	6,300	300	77.3	23,200	5,600	400	92.5	37,000
Modoc	9,000	900	105.2	94,700	7,000	700	120.0	84,000
Plumas	1,200	—	—	—	1,400	—	—	—
District Total	16,500	1,200	98.3	117,900	14,000	1,100	110.0	121,000
Alameda	2,700	300	61.7	18,500	2,300	300	70.7	21,200
Contra Costa	2,200	300	60.3	18,100	1,400	300	69.3	20,800
Lake	2,600	200	61.0	12,200	1,700	200	70.0	14,000
Marin	5,500	1,900	54.8	104,200	4,500	1,100	64.7	71,200
Monterey	2,900	300	59.7	17,900	2,000	300	68.3	20,500
Napa	1,000	—	—	—	600	—	—	—
San Benito	3,800	500	61.0	30,500	3,400	600	67.5	40,500
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	14,600	1,000	57.7	57,700	11,500	1,100	66.9	73,600
San Mateo	1,400	700	55.0	38,500	1,100	600	69.8	41,900
Santa Clara	2,400	400	79.8	31,900	1,800	300	91.0	27,300
Santa Cruz	1,000	—	—	—	600	—	—	—
Sonoma	25,900	1,700	47.3	80,400	22,100	2,200	59.1	130,000
District Total	66,000	7,300	56.2	409,900	53,000	7,000	65.9	461,000
Butte	5,200	300	79.0	23,700	4,100	300	88.7	26,600
Colusa	800	300	73.0	21,900	600	200	90.5	18,100
Glenn	5,100	200	67.0	13,400	5,300	300	81.0	24,300
Sacramento	6,300	400	88.5	35,400	5,600	400	99.5	39,800
Solano	4,700	600	71.7	43,000	3,600	500	92.6	46,300
Sutter	3,500	400	80.3	32,100	3,700	400	95.3	38,100
Tehama	4,700	300	66.3	19,900	4,000	300	84.7	25,400
Yolo	9,700	600	79.8	47,900	8,300	400	97.8	39,100
Yuba	1,000	300	72.3	21,700	800	200	91.5	18,300
District Total	41,000	3,400	76.2	259,000	36,000	3,000	92.0	276,000
Fresno	13,300	1,800	88.6	159,500	11,400	1,400	102.0	142,800
Kern	5,000	400	86.5	34,600	3,700	300	95.3	28,600
Kings	4,000	200	86.0	17,200	2,900	400	100.0	40,000
Madera	9,500	1,900	85.8	163,000	8,600	1,500	101.7	152,600
Merced	38,500	3,200	80.1	256,300	33,500	1,700	94.3	160,300
San Joaquin	22,000	1,800	92.5	166,500	18,700	2,000	101.5	202,900
Stanislaus	26,700	1,100	90.9	100,000	24,700	500	103.6	51,800
Tulare	29,000	1,300	72.9	94,800	22,500	4,200	83.3	350,000
District Total	148,000	11,700	84.8	991,900	126,000	12,000	94.1	1,129,000
Alpine	200	—	—	—	200	—	—	—
Amador	600	—	—	—	1,400	—	—	—
Calaveras	800	300	62.0	18,600	1,200	400	67.0	26,800
El Dorado	200	—	—	—	200	—	—	—
Inyo	300	—	—	—	300	—	—	—
Mariposa	300	—	—	—	300	—	—	—
Mono	300	—	—	—	300	—	—	—
Nevada	200	—	—	—	200	—	—	—
Placer	2,900	300	61.7	18,500	2,700	300	70.7	21,200
Sierra	500	—	—	—	800	—	—	—
Tuolumne	200	—	—	—	400	—	—	—
District Total	6,500	600	61.8	37,100	8,000	700	68.6	48,000
Imperial	800	300	45.3	13,600	600	200	57.5	11,500
Los Angeles	1,200	200	41.5	8,300	1,000	200	47.0	9,400
Orange	300	—	—	—	200	—	—	—
Riverside	11,500	1,000	45.5	45,500	9,200	1,300	45.9	59,700
San Bernardino	2,400	—	—	—	2,400	—	—	—
San Diego	4,900	300	48.0	14,400	3,800	200	61.5	12,300
Santa Barbara	6,000	200	41.0	8,200	5,100	300	43.7	13,100
Ventura	1,100	—	—	—	700	—	—	—
District Total	28,200	2,000	45.0	90,000	23,000	2,200	48.2	106,000
STATE	320,000	30,000	75.0	2,250,000	275,000	30,000	85.0	2,550,000

¹ These figures include estimates for one or more counties, which normally have less than 200 acres planted.



RICE ACREAGE AND PRODUCTION BY COUNTY, 1998-1999



FIELD CROPS

County	1998				1999			
	Planted <i>Acres</i>	Harvested <i>Acres</i>	Yield/Acre <i>Pounds</i>	Production <i>Cwt.</i>	Planted <i>Acres</i>	Harvested <i>Acres</i>	Yield/Acre <i>Pounds</i>	Production <i>Cwt.</i>
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Shasta	—	—	—	—	—	—	—	—
Siskiyou	—	—	—	—	—	—	—	—
Trinity	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Lassen	—	—	—	—	—	—	—	—
Modoc	—	—	—	—	—	—	—	—
Plumas	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Alameda	—	—	—	—	—	—	—	—
Contra Costa	—	—	—	—	—	—	—	—
Lake	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—
Monterey	—	—	—	—	—	—	—	—
Napa	—	—	—	—	—	—	—	—
San Benito	—	—	—	—	—	—	—	—
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	—	—	—	—	—	—	—	—
San Mateo	—	—	—	—	—	—	—	—
Santa Clara	—	—	—	—	—	—	—	—
Santa Cruz	—	—	—	—	—	—	—	—
Sonoma	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Butte	88,000	87,800	6,689	5,873,000	102,500	102,000	7,395	7,543,000
Colusa	121,000	120,000	6,821	8,185,000	135,000	134,000	7,191	9,636,000
Glenn	83,000	83,000	6,637	5,509,000	88,000	87,500	7,125	6,234,000
Sacramento	9,100	9,000	7,078	637,000	9,700	9,500	7,516	714,000
Solano	—	—	—	—	—	—	—	—
Sutter	91,000	90,700	7,031	6,377,000	104,500	104,000	7,278	7,569,000
Tehama	1,200	1,000	6,300	63,000	1,100	1,000	6,600	66,000
Yolo	20,400	20,200	7,054	1,425,000	30,000	29,500	7,302	2,154,000
Yuba	37,300	37,300	6,861	2,559,000	39,200	39,000	7,267	2,834,000
District Total	451,000	449,000	6,821	30,628,000	510,000	506,500	7,256	36,750,000
Fresno	3,000	3,000	6,900	207,000	5,400	5,300	7,000	371,000
Kern	—	—	—	—	—	—	—	—
Kings	—	—	—	—	—	—	—	—
Madera	—	—	—	—	—	—	—	—
Merced	5,500	5,500	7,055	388,000	4,500	4,400	7,455	328,000
San Joaquin	4,500	4,500	7,000	315,000	4,800	4,500	7,311	329,000
Stanislaus	2,000	2,000	7,000	140,000	2,300	2,300	7,478	172,000
Tulare	—	—	—	—	—	—	—	—
District Total	15,000	15,000	7,000	1,050,000	17,000	16,500	7,273	1,200,000
Alpine	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
Placer	14,000	14,000	7,286	1,020,000	13,000	12,000	7,500	900,000
Sierra	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—
District Total	14,000	14,000	7,286	1,020,000	13,000	12,000	7,500	900,000
Imperial	—	—	—	—	—	—	—	—
Los Angeles	—	—	—	—	—	—	—	—
Orange	—	—	—	—	—	—	—	—
Riverside	—	—	—	—	—	—	—	—
San Bernardino	—	—	—	—	—	—	—	—
San Diego	—	—	—	—	—	—	—	—
Santa Barbara	—	—	—	—	—	—	—	—
Ventura	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
STATE	480,000	478,000	6,841	32,698,000	540,000	535,000	7,262	38,850,000

SUGAR BEET ACREAGE AND PRODUCTION BY COUNTY, 1998-1999

County	1998					1999				
	Planted Acres	Harvested Acres	Yield/Acre Tons	Production Tons	Sucrose Percent	Planted Acres	Harvested Acres	Yield/Acre Tons	Production Tons	Sucrose Percent
Del Norte	—	—	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—	—	—
Mendocino	—	—	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—	—	—
Shasta	—	—	—	—	—	—	—	—	—	—
Siskiyou	1,300	1,200	22.5	27,000	18.10	1,400	1,400	20.0	28,000	18.66
Trinity	—	—	—	—	—	—	—	—	—	—
District Total	1,300	1,200	22.5	27,000	18.10	1,400	1,400	20.0	28,000	18.66
Lassen	—	—	—	—	—	—	—	—	—	—
Modoc	3,200	3,200	21.9	70,000	18.03	3,200	3,200	19.7	63,000	19.14
Plumas	—	—	—	—	—	—	—	—	—	—
District Total	3,200	3,200	21.9	70,000	18.03	3,200	3,200	19.7	63,000	19.14
Alameda	—	—	—	—	—	—	—	—	—	—
Contra Costa	—	—	—	—	—	—	—	—	—	—
Lake	—	—	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—	—	—
Monterey	—	—	—	—	—	—	—	—	—	—
Napa	—	—	—	—	—	—	—	—	—	—
San Benito	—	—	—	—	—	—	—	—	—	—
San Francisco	—	—	—	—	—	—	—	—	—	—
San Luis Obispo	—	—	—	—	—	—	—	—	—	—
San Mateo	—	—	—	—	—	—	—	—	—	—
Santa Clara	—	—	—	—	—	—	—	—	—	—
Santa Cruz	—	—	—	—	—	—	—	—	—	—
Sonoma	—	—	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—	—	—
Butte	—	—	—	—	—	500	500	38.0	19,000	15.25
Colusa	1,100	1,100	22.7	25,000	15.37	1,600	1,600	30.0	48,000	15.76
Glenn	1,100	1,000	22.0	22,000	12.26	3,100	3,100	33.5	104,000	15.79
Sacramento	1,800	1,800	18.9	34,000	15.31	3,200	3,200	29.7	95,000	15.82
Solano	6,200	5,900	20.3	120,000	15.56	5,800	5,800	28.6	166,000	16.21
Sutter	2,300	2,000	18.0	36,000	15.69	1,500	1,500	28.0	42,000	16.00
Tehama	—	—	—	—	—	—	—	—	—	—
Yolo	1,700	1,600	19.4	31,000	15.53	3,500	3,500	27.4	96,000	16.06
Yuba	—	—	—	—	—	—	—	—	—	—
District Total	14,200	13,400	20.0	268,000	15.26	19,200	19,200	29.7	570,000	15.96
Fresno	23,100	22,700	25.8	585,500	14.26	21,000	20,400	33.4	682,000	14.90
Kern	4,700	4,700	31.5	148,000	13.89	4,000	3,800	26.8	102,000	14.66
Kings	3,900	3,500	22.3	78,000	13.84	4,000	3,900	25.4	99,000	14.82
Madera	400	400	27.5	11,000	14.44	600	600	36.7	22,000	14.00
Merced	8,400	8,300	21.3	177,000	16.43	9,000	8,500	29.4	250,000	16.50
San Joaquin	6,700	6,600	22.3	147,500	15.05	11,600	11,100	29.3	325,000	16.14
Stanislaus	—	—	—	—	—	—	—	—	—	—
Tulare	2,900	2,800	28.9	81,000	12.74	3,800	3,800	28.4	108,000	14.62
District Total	50,100	49,000	25.1	1,228,000	14.50	54,000	52,100	30.5	1,588,000	15.35
Alpine	—	—	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—
Placer	—	—	—	—	—	—	—	—	—	—
Sierra	—	—	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—	—	—
Imperial	31,800	31,800	35.2	1,120,000	17.01	31,500	31,500	37.9	1,195,000	16.50
Los Angeles	—	—	—	—	—	—	—	—	—	—
Orange	—	—	—	—	—	—	—	—	—	—
Riverside	—	—	—	—	—	—	—	—	—	—
San Bernardino	—	—	—	—	—	—	—	—	—	—
San Diego	—	—	—	—	—	—	—	—	—	—
Santa Barbara	—	—	—	—	—	—	—	—	—	—
Ventura	—	—	—	—	—	—	—	—	—	—
District Total	31,800	31,800	35.2	1,120,000	17.01	31,500	31,500	37.9	1,195,000	16.50
Other Counties ¹	400	400	25.0	10,000	14.26	700	600	20.0	12,000	16.27
STATE	101,000	99,000	27.5	2,723,000	15.73	110,000	108,000	32.0	3,456,000	15.90

¹ Includes counties that normally have less than 400 acres planted.



WHEAT, ALL, ACREAGE AND PRODUCTION BY COUNTY, 1998-1999



FIELD CROPS

County	1998				1999			
	Planted	Harvested	Yield/Acre	Production	Planted	Harvested	Yield/Acre	Production
	Acre	Acre	Bushels (60 Lbs.)	Bushels (60 Lbs.)	Acre	Acre	Bushels (60 Lbs.)	Bushels (60 Lbs.)
Del Norte	—	—	—	—	—	—	—	—
Humboldt	—	—	—	—	—	—	—	—
Mendocino	—	—	—	—	—	—	—	—
District Total	—	—	—	—	—	—	—	—
Shasta	500	500	60.0	30,000	500	500	70.0	35,000
Siskiyou	8,000	7,000	60.7	425,000	11,000	9,500	80.5	765,000
Trinity	—	—	—	—	—	—	—	—
District Total	8,500	7,500	60.7	455,000	11,500	10,000	80.0	800,000
Lassen	2,000	1,000	65.0	65,000	1,500	1,000	81.0	81,000
Modoc	12,000	6,000	65.0	390,000	11,500	7,500	75.9	569,000
Plumas	—	—	—	—	—	—	—	—
District Total	14,000	7,000	65.0	455,000	13,000	8,500	76.5	650,000
Alameda	5,500	1,500	63.3	95,000	6,500	1,500	82.7	124,000
Contra Costa	5,500	3,500	80.0	280,000	3,000	2,500	94.4	236,000
Lake	—	—	—	—	—	—	—	—
Marin	—	—	—	—	—	—	—	—
Monterey	10,500	8,000	20.0	160,000	4,500	3,000	50.0	150,000
Napa	—	—	—	—	—	—	—	—
San Benito	3,000	1,500	63.3	95,000	3,000	1,500	82.0	123,000
San Francisco	—	—	—	—	—	—	—	—
San Luis Obispo	2,000	1,000	35.0	35,000	2,000	1,000	50.0	50,000
San Mateo	—	—	—	—	—	—	—	—
Santa Clara	—	—	—	—	1,000	500	68.0	34,000
Santa Cruz	—	—	—	—	—	—	—	—
Sonoma	2,000	500	50.0	25,000	1,000	500	66.0	33,000
District Total	28,500	16,000	43.1	690,000	21,000	10,500	71.4	750,000
Butte	4,500	3,500	45.7	160,000	3,000	3,000	70.7	212,000
Colusa	27,500	27,000	60.0	1,620,000	19,500	18,500	75.4	1,394,000
Glenn	17,500	15,500	54.8	850,000	15,500	12,000	76.5	918,000
Sacramento	5,000	4,000	68.8	275,000	7,500	7,500	86.8	651,000
Solano	24,000	22,000	68.2	1,500,000	22,500	22,500	86.3	1,941,000
Sutter	17,000	12,500	66.4	830,000	11,000	9,500	83.5	793,000
Tehama	3,000	2,000	40.0	80,000	2,000	1,500	67.3	101,000
Yolo	19,000	17,000	70.6	1,200,000	31,500	30,000	96.0	2,880,000
Yuba	500	500	40.0	20,000	500	500	60.0	30,000
District Total	118,000	104,000	62.8	6,535,000	113,000	105,000	85.0	8,920,000
Fresno	69,500	57,000	71.8	4,090,000	54,000	50,000	92.5	4,627,000
Kern	65,000	60,500	64.5	3,900,000	68,000	54,500	75.4	4,109,000
Kings	110,000	99,000	66.8	6,615,000	78,000	70,000	80.4	5,631,000
Madera	14,000	13,000	64.2	835,000	17,000	9,500	80.1	761,000
Merced	22,000	8,500	72.9	620,000	18,500	6,000	85.3	512,000
San Joaquin	23,000	18,000	61.7	1,110,000	22,000	19,000	84.3	1,601,000
Stanislaus	2,500	500	40.0	20,000	2,500	1,000	88.0	88,000
Tulare	74,000	41,500	60.2	2,500,000	88,000	44,000	72.1	3,171,000
District Total	380,000	298,000	66.1	19,690,000	348,000	254,000	80.7	20,500,000
Alpine	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—
Inyo	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—
Placer	2,000	1,500	66.7	100,000	2,000	2,000	82.5	165,000
Sierra	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—
District Total	2,000	1,500	66.7	100,000	2,000	2,000	82.5	165,000
Imperial	85,000	83,500	105.4	8,800,000	43,000	40,000	108.5	4,340,000
Los Angeles	1,000	500	30.0	15,000	—	—	—	—
Orange	—	—	—	—	—	—	—	—
Riverside	38,500	33,000	48.8	1,610,000	36,000	23,000	66.8	1,537,000
San Bernardino	—	—	—	—	—	—	—	—
San Diego	4,000	3,500	54.3	190,000	2,000	1,500	68.7	103,000
Santa Barbara	500	500	20.0	10,000	500	500	40.0	20,000
Ventura	—	—	—	—	—	—	—	—
District Total	129,000	121,000	87.8	10,625,000	81,500	65,000	92.3	6,000,000
STATE	680,000	555,000	69.5	38,550,000	590,000	455,000	83.0	37,785,000

Floriculture

California floriculture continued its growth in 1999. The industry enjoyed record wholesale values due to the strength of its leading flower producing states—California, Florida, Texas, Michigan and Ohio. This increase in value came despite a reduction in the number of growers, total covered area and hired labor.

California maintained its position as the leading floriculture state in the nation, with a total wholesale value of \$775 million. This total represents 21 percent of the national value and a 1 percent increase over the 1998 total of \$767 million. Aided by its favorable coastal climate, California now accounts for 66 percent of the national value for

all fresh, cut flowers. At \$280 million in sales, this represents a 7 percent increase over the 1998 total of \$262 million. The rose is the most popular cut flower in the nation, with California producing roughly 71 percent of all fresh, cut roses grown in the United States. While cut flower demand has continued to rise, domestic production has been declining with over two-thirds of the major cut flowers now imported. Most imports come from Columbia, Ecuador, Netherlands, Costa Rica and Mexico.

California's total sales of potted flowering plants decreased 3 percent from \$156 million in 1998 to \$151 million in 1999. However, sales of foliage plants showed an increase of

7 percent from the 1998 total of \$88 million to \$94 million in 1999. California accounts for 20 percent of the national total value for this category.

The wholesale value of bedding and garden plants decreased 3 percent from \$242 million in 1998 to \$234 million in 1999. Values for cut, cultivated greens were down more than \$3 million from \$19.6 to \$16.4 million.

The number of floriculture producers in the state has been declining rapidly, and California now has 969 producers compared to 1,171 in 1998.



FLORICULTURE PRODUCTION AND VALUE, 1998 ¹



Kind	Number of Producers	Plants Grown 1,000	Production Area 1,000 Sq. Ft.	SALES		Wholesale Price ² Dollars	Value of Sales at Wholesale \$1,000
				Unit	Number Sold 1,000		
Cut Flowers ³							261,548
Carnations —	9,480	8,061	—	—	—	13,547	
Standard	49	5,582	5,002	Blooms	56,360	94	8,172
Miniature	57	3,898	3,059	Bunches	3,839	96	5,375
Chrysanthemums	—	32,150	10,019	—	—	—	21,597
Standard	22	11,611	4,040	Blooms	12,509	85	6,217
Pompon	38	20,539	5,979	Bunches	11,564	99	15,380
Roses	—	11,272	22,531	—	—	—	62,737
Hybrid Tea	65	9,923	20,288	Blooms	185,136	96	55,541
Sweetheart	33	1,349	2,243	Blooms	36,163	100	7,196
Others	227	—	191,484	—	—	94	156,553
Potted Flowering Plants							156,035
African Violets	13	—	—	Pots	1,927	98	1,908
Chrysanthemums	18	—	—	Pots	4,723	100	10,835
Cyclamens	64	—	—	Pots	2,184	91	5,910
Finished Florist Azaleas	22	—	—	Pots	1,122	97	5,620
Kalanchoes	25	—	—	Pots	2,517	99	6,291
Easter Lilies	30	—	—	Pots	864	91	3,275
Orchids	45	—	—	Pots	2,156	87	23,719
Poinsettias	88	—	—	Pots	6,654	94	27,018
Others	98	—	—	Pots	24,735	98	71,459
Foliage Plants							87,819
Hanging Baskets	31	—	—	Baskets	1,903	98	5,043
Potted Foliage	132	—	21,621	—	—	90	82,776
Bedding/Garden Plants							241,874
Flats							116,518
Geraniums	22	—	—	Flats	135	96	1,457
Impatiens	69	—	—	Flats	1,385	95	12,119
New Guinea Impatiens	11	—	—	Flats	45	100	453
Petunias	64	—	—	Flats	1,258	97	11,397
Other Flowering and Foliar	89	—	—	Flats	7,813	97	81,021
Vegetable Type	40	—	—	Flats	1,124	97	10,071
Potted							113,554
Hardy/Garden							
Chrysanthemums	32	—	—	Pots	4,000	100	5,114
Geraniums (Cutting)	61	—	—	Pots	6,792	99	8,222
Geraniums (Seed)	26	—	—	Pots	386	96	432
Impatiens	54	—	—	Pots	4,879	90	3,469
New Guinea Impatiens	49	—	—	Pots	1,044	95	1,531
Petunias	34	—	—	Pots	1,963	97	1,191
Other Flowering and Foliar	129	—	—	Pots	53,249	96	87,414
Vegetable Type	40	—	—	Pots	6,822	99	6,181
Hanging Baskets							11,802
Geraniums	40	—	—	Baskets	160	96	1,125
Impatiens	28	—	—	Baskets	104	95	605
New Guinea Impatiens	26	—	—	Baskets	462	99	2,864
Petunias	20	—	—	Baskets	73	96	443
Other Flowering	62	—	—	Baskets	1,189	90	6,765
Total Cut Cultivated Greens ⁴	68	—	—	—	1,696	100	19,560
Total All Plants ⁵	1,171						766,836

¹ The total covered growing area of 137,850,000 square feet consisted of the following: 17,937,000 square feet of shade and temporary cover; 17,098,000 square feet of glass; 40,163,000 square feet of fiberglass and other rigid greenhouses; and 62,652,000 square feet of film plastic (single/multi) greenhouses. In addition, plants were produced on 11,252 acres of open ground.

² For potted plants, price represents a weighted average for plants sold in pots less than 5 inches and in pots 5 inches or more.

³ Total includes Gladioli, which are not published to avoid disclosure of individual operations.

⁴ Total includes Leatherleaf Ferns, which are not published to avoid disclosure of individual operations.

⁵ Based on equivalent wholesale value of all sales for all crops, except potted foliage plants which are based on net value of sales.

FLORICULTURE PRODUCTION AND VALUE, 1999 ¹

Kind	Number of Producers	Plants Grown 1,000	Production Area 1,000 Sq. Ft.	SALES		Wholesale Price ² Dollars	Value of Sales at Wholesale \$1,000
				Unit	Number Sold 1,000		
Cut Flowers ³							279,581
Carnations—	6,520	5,563	—	—	—	8,951	
Standard	35	3,986	3,326	Blooms	36,423	100	5,500
Miniature	39	2,534	2,237	Bunches	2,413	92	3,451
Chrysanthemums	—	32,860	8,832	—	—	—	17,385
Standard	24	11,572	2,642	Blooms	9,529	95	3,859
Pompon	30	21,288	6,190	Bunches	15,547	94	13,526
Roses	—	9,361	15,431	—	—	—	54,009
Hybrid Tea	58	8,348	13,959	Blooms	153,753	98	48,893
Sweetheart	25	1,013	1,472	Blooms	28,742	100	5,116
Others	193	—	221,422	—	—	98	195,284
Potted Flowering Plants							151,079
African Violets	12	—	—	Pots	2,086	89	2,086
Chrysanthemums	18	—	—	Pots	3,729	100	8,107
Cyclamens	64	—	—	Pots	2,314	92	6,500
Finished Florist Azaleas	18	—	—	Pots	999	61	4,962
Kalanchoes	21	—	—	Pots	2,194	100	5,300
Easter Lilies	27	—	—	Pots	891	90	3,306
Orchids	41	—	—	Pots	2,062	74	23,945
Poinsettias	88	—	—	Pots	6,487	91	25,375
Others	73	—	—	Pots	29,266	99	71,498
Foliage Plants							93,764
Hanging Baskets	52	—	—	Baskets	4,240	99	13,059
Potted Foliage	125	—	17,341	—	—	92	80,705
Bedding/Garden Plants							234,308
Flats						156,729	
Geraniums	28	—	—	Flats	191	97	2,494
Impatiens	61	—	—	Flats	1,538	98	12,658
New Guinea Impatiens	15	—	—	Flats	55	94	593
Petunias	61	—	—	Flats	1,291	98	11,516
Other Flowering and Foliar	85	—	—	Flats	11,400	98	117,876
Vegetable Type	46	—	—	Flats	1,334	92	11,592
Potted						68,593	
Hardy/Garden							
Chrysanthemums	34	—	—	Pots	2,562	100	2,904
Geraniums (Cutting)	45	—	—	Pots	5,834	95	7,731
Geraniums (Seed)	27	—	—	Pots	517	98	729
Impatiens	54	—	—	Pots	6,766	92	5,378
New Guinea Impatiens	35	—	—	Pots	1,570	98	1,961
Petunias	37	—	—	Pots	2,445	95	1,702
Other Flowering and Foliar	87	—	—	Pots	34,815	95	43,896
Vegetable Type	43	—	—	Pots	4,869	100	4,292
Hanging Baskets							8,986
Geraniums	30	—	—	Baskets	107	93	678
Impatiens	25	—	—	Baskets	97	98	503
New Guinea Impatiens	24	—	—	Baskets	157	99	948
Petunias	19	—	—	Baskets	49	98	258
Other Flowering	51	—	—	Baskets	1,073	99	6,599
Total Cut Cultivated Greens ⁴	43	—	—	—	1,257	100	16,443
Total All Plants ⁵	969						775,175



FLORICULTURE

¹ The total covered growing area of 124,946,000 square feet consisted of the following: 18,269,000 square feet of shade and temporary cover; 13,852,000 square feet of glass; 34,117,000 square feet of fiberglass and other rigid greenhouses; and 58,708,000 square feet of film plastic (single/multi) greenhouses. In addition, plants were produced on 9,868 acres of open ground.

² For potted plants, price represents a weighted average for plants sold in pots less than 5 inches and in pots 5 inches or more.

³ Total includes Gladioli, which are not published to avoid disclosure of individual operations.

⁴ Total includes Leatherleaf Ferns, which are not published to avoid disclosure of individual operations.

⁵ Based on equivalent wholesale value of all sales for all crops, except potted foliage plants which are based on net value of sales.



“The people at CDFA played a real leadership role in bringing the California citrus industry together to hammer out an acceptable USDA protocol to assure that shipments of Florida citrus didn’t threaten our industry with canker.”

—Jean-Mari Peltier, President
California Citrus Quality Council

Fruit and Nut Crops



California produced 12.8 million tons of fruit and nut crops in 1999, a drop of 4 percent from the prior year. This represents 40 percent of the national fruit and nut production. The total value of California's fruit and nut production in 1999 was \$6.94 billion, up 6 percent, and represents 56 percent of the national total value of fruit and nut crops.

A record value of production was set for avocados, cherries and strawberries. Grapes continue to be the top-valued fruit and nut crop with \$2.7 billion, followed by strawberries with \$889 million. California accounts for nearly all the national production of almonds, Clingstone peaches, dates, English walnuts, figs, kiwifruit, nectarines, olives and pistachios.



The Golden State dominates the nation in production of apricots, avocados, grapes, lemons, peaches, plums, prunes and strawberries. Several non-citrus fruit and nut crops had record productions in 1999.

CROPS WITH RECORD INCREASES FROM LAST YEAR INCLUDE THE FOLLOWING:

Almonds	60%
Cherries	423%
Freestone peaches	12%
Nectarines	22%
Strawberries	12%
Walnuts	25%

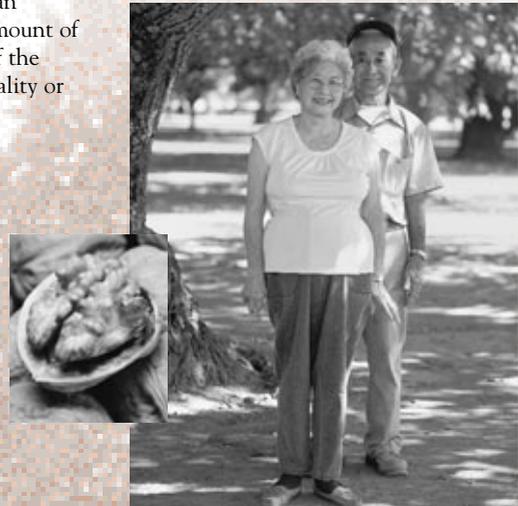
SIGNIFICANT CHANGES IN PRODUCTION FROM 1998 TO 1999 WERE AS FOLLOWS:

Apricots	-25%
Kiwifruit	-26%
Pistachios	-35%
Prunes	+65%
Raspberries	+41%

In 1998, a heavy frost occurred in California's Central Valley from December 20-23 that caused considerable damage to citrus crops in the San Joaquin Valley. A substantial amount of citrus fruit was lost, and most of the salvageable fruit was of poor quality or went to processing.

All citrus crops showed major drops in production due to the heavy frosts of 1998: grapefruit production declined 9 percent, Navel oranges were down 52 percent, Valencia oranges were down 40 percent, lemons were down 23 percent, and tangerines were down 38 percent.

During the winter and spring months, precipitation was near normal. The cold temperatures provided sufficient chilling for a good dormancy, which is important for many non-citrus crops. Almonds and many stone fruit crops began blooming in late February, somewhat later than normal. Crop development of most commodities was less than normal throughout the growing season as temperatures were generally below average. Fortunately, mild fall weather allowed growers to harvest their crops without any substantial problems. Most non-citrus fruit and nut crops had excellent fruit quality with little insect and disease damage.



BERRY ACREAGE, PRODUCTION AND VALUE, 1990-1999



Crop	Crop Year	Harvested Acres	Yield Per Acre Cwt.	Production 1,000 Cwt.	Value Per Cwt. ¹ Dollars	Total Value \$1,000
Boysenberries	1990	450	80	36	88.00	3,168
	1991	—	—	—	—	—
	1992	200	85	17	91.10	1,548
	1993	250	90	23	88.00	1,980
	1994	250	80	20	75.50	1,510
	1995	270	67	18	95.00	1,710
	1996	270	89	24	93.70	2,248
	1997	270	91	25	66.70	1,642
	1998	250	70	18	79.20	1,386
	1999	300	93	28	82.40	2,308
Olallieberries	1990	200	110	22	80.00	1,760
	1991	—	—	—	—	—
	1992	—	—	—	—	—
	1993	—	—	—	—	—
	1994	—	—	—	—	—
	1995	—	—	—	—	—
	1996	—	—	—	—	—
	1997	—	—	—	—	—
	1998	—	—	—	—	—
	1999	—	—	—	—	—
Raspberries	1990	1,700	104	177	165.00	29,228
	1991	—	—	—	—	—
	1992	1,600	165	264	183.00	48,276
	1993	1,850	142	263	148.00	39,000
	1994	1,900	111	210	143.00	30,000
	1995	1,900	81	153	152.00	23,325
	1996	1,800	83	149	171.00	25,520
	1997	1,700	85	145	139.00	20,225
	1998	1,700	87	148	192.00	28,470
	1999	1,800	116	208	147.00	30,604
Strawberries, Fresh Market	1990	—	—	6,705	52.00	338,603
	1991	—	—	7,652	50.90	389,487
	1992	—	—	7,630	59.20	451,696
	1993	—	—	7,736	46.80	362,045
	1994	—	—	9,016	59.10	532,846
	1995	—	—	9,048	57.40	519,355
	1996	—	—	9,989	52.50	524,423
	1997	—	—	9,618	61.40	590,545
	1998	—	—	9,086	68.70	624,208
	1999	—	—	10,185	71.30	726,191
Strawberries, Processing	1990	—	—	3,165	25.00	79,125
	1991	—	—	3,320	22.90	76,028
	1992	—	—	2,690	22.80	61,332
	1993	—	—	3,685	26.00	95,810
	1994	—	—	4,265	26.90	114,729
	1995	—	—	3,932	23.40	92,003
	1996	—	—	3,619	16.70	60,437
	1997	—	—	3,716	25.80	95,873
	1998	—	—	4,466	29.70	132,640
	1999	—	—	4,970	32.80	163,016

BERRY ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*

Crop	Crop Year	Harvested Acres	Yield Per Acre Cwt.	Production 1,000 Cwt.	Value Per Cwt. ¹ Dollars	Total Value \$1,000
Strawberries, All	1990	21,000	470	9,870	43.30	417,728
	1991	21,100	520	10,972	42.40	465,515
	1992	24,000	430	10,320	49.70	513,028
	1993	25,100	455	11,421	40.10	457,855
	1994	23,300	570	13,281	48.80	647,575
	1995	23,600	550	12,980	47.10	611,358
	1996	25,200	540	13,608	43.00	584,860
	1997	22,600	590	13,334	51.50	686,418
	1998	24,200	560	13,552	55.80	756,848
	1999	24,600	615	15,155	58.70	889,207

¹ The processed value is based on equivalent returns at the processing plant door. The fresh market value is on a packed and loaded basis, F.O.B. shipping point.



STRAWBERRY MONTHLY AND SEASON AVERAGE PRICES, 1990–1999 ¹

Fresh Sales	Crop Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season Average
		<i>Dollars Per Cwt.</i>												
	1990	150.00	115.00	115.00	50.00	35.00	45.00	40.00	50.00	55.00	75.00	100.00	125.00	52.00
	1991	—	110.00	100.00	60.00	50.00	35.00	45.00	35.00	35.00	55.00	110.00	—	50.90
	1992	135.00	95.00	85.00	50.00	41.00	64.20	49.30	89.20	61.10	70.70	115.00	—	59.20
	1993	102.00	80.20	57.70	42.40	38.30	42.50	31.60	46.90	48.90	64.20	93.70	—	46.80
	1994	77.90	99.00	94.40	57.50	56.40	50.40	49.30	49.00	46.60	82.40	89.90	—	59.10
	1995	65.50	67.00	65.50	57.60	66.90	53.10	50.70	63.30	41.50	49.70	115.00	—	57.40
	1996	—	80.30	76.70	38.50	45.60	65.00	44.10	54.80	61.50	40.70	—	—	52.50
	1997	116.00	98.30	85.80	42.70	54.30	74.80	56.20	53.10	67.50	69.80	—	—	51.50
	1998	120.00	147.00	86.50	67.50	67.40	54.60	56.30	65.00	59.00	80.20	116.00	—	55.80
	1999	167.00	148.00	125.00	88.20	61.00	62.60	57.90	66.20	58.30	45.60	79.00	—	58.70

¹ Prices are F.O.B. shipping point.

CITRUS FRUIT ACREAGE, PRODUCTION AND VALUE, 1990-1999



Crop	Crop Year	Bearing Acres	Non-Bearing Acres	Yield Per Acre Cartons	Production 1,000 Cartons	Value Per Unit ¹ Dollars	Total Value \$1,000
Grapefruit, All (Net weight per carton: 33.5 pounds)	89-90	19,200	2,100	979	18,800	4.01	75,457
	90-91	18,300	2,400	874	16,000	3.20	51,128
	91-92	18,500	2,400	1,082	20,000	3.06	61,120
	92-93	17,800	2,600	1,034	18,400	2.46	45,089
	93-94	18,000	—	1,034	18,600	2.72	50,579
	94-95	18,400	—	1,010	18,600	2.82	52,420
	95-96	18,800	—	862	16,200	3.29	53,277
	96-97	18,000	—	912	16,400	3.21	52,679
	97-98	16,800	1,800	952	16,000	4.21	67,330
	98-99	16,600	—	880	14,600	5.57	81,329
Lemons (Net weight per carton: 38 pounds)	89-90	47,800	1,400	661	31,600	7.60	239,979
	90-91	46,700	1,600	634	29,600	8.19	242,269
	91-92	46,400	1,900	650	30,200	6.32	190,894
	92-93	46,400	2,100	880	40,800	4.97	202,827
	93-94	45,500	—	910	41,400	5.00	207,020
	94-95	45,700	—	876	40,000	5.66	226,120
	95-96	46,400	—	906	42,000	5.20	218,544
	96-97	47,400	—	954	45,200	6.06	274,125
	97-98	48,700	6,500	862	42,000	5.16	216,659
	98-99	48,500	—	668	32,400	6.62	214,332
Oranges, Navel & Misc. (Net weight per carton: 37.5 pounds)	89-90	106,000	10,200	836	88,600	4.02	355,661
	90-91	109,000	10,000	290	31,600	5.04	159,330
	91-92	112,000	9,800	626	70,200	4.36	305,811
	92-93	114,000	10,600	768	87,600	3.16	277,008
	93-94	114,000	—	642	73,200	3.99	291,807
	94-95	118,000	—	594	70,000	3.91	273,750
	95-96	121,000	—	628	76,000	3.68	279,300
	96-97	124,000	—	646	80,000	4.68	373,890
	97-98	127,000	8,300	692	88,000	4.42	388,870
	98-99	128,000	—	328	42,000	5.42	227,440
Oranges, Valencia (Net weight per carton: 37.5 pounds)	89-90	69,100	4,800	784	54,200	3.68	199,394
	90-91	69,400	5,500	282	19,600	10.87	212,954
	91-92	69,800	6,400	926	64,600	1.99	128,183
	92-93	70,000	6,000	658	46,000	4.24	195,002
	93-94	71,000	—	760	54,000	3.16	170,760
	94-95	73,000	—	576	42,000	4.74	199,042
	95-96	75,000	—	533	40,000	5.26	210,190
	96-97	76,000	—	632	48,000	4.39	210,370
	97-98	73,200	4,800	684	50,000	4.52	225,740
	98-99	73,500	—	408	30,000	6.29	188,480
Oranges, All (Net weight per carton: 37.5 pounds)	89-90	175,100	15,000	816	142,800	3.89	555,055
	90-91	178,400	15,500	286	51,200	7.27	372,284
	91-92	181,800	16,200	742	134,800	3.22	433,994
	92-93	184,000	16,600	726	133,600	3.54	472,010
	93-94	185,000	—	688	127,200	3.64	462,567
	94-95	191,000	—	586	112,000	4.22	472,792
	95-96	196,000	—	592	116,000	4.22	489,490
	96-97	200,000	—	640	128,000	4.57	584,260
	97-98	200,200	13,100	690	138,000	4.46	614,610
	98-99	201,500	—	357	72,000	5.78	415,920
Tangerines (Including Mandarins and Hybrids, Tangelos, and Tangors) (Net weight per carton: 37.5 pounds)	89-90	7,300	1,500	452	3,300	9.45	31,193
	90-91	7,600	1,400	356	2,700	9.09	24,528
	91-92	7,800	1,400	626	4,880	7.25	35,357
	92-93	7,700	1,300	546	4,200	6.00	25,186
	93-94	8,000	—	576	4,600	5.58	25,651
	94-95	8,600	—	582	5,000	7.09	35,452
	95-96	8,800	—	590	5,200	5.42	28,184
	96-97	8,700	—	598	5,200	7.56	39,298
	97-98	8,800	1,900	546	4,800	5.74	27,530
	98-99	8,600	—	348	3,000	7.52	22,556

¹ Equivalent packinghouse door returns.

CITRUS FRUIT SALES BY UTILIZATION AND VALUE PER CARTON, 1990-1999

Crop	Crop Year	All Sales		Fresh Market		Processing	
		Quantity 1,000 Cartons	Value ¹ \$/Carton	Quantity 1,000 Cartons	Value ¹ \$/Carton	Quantity 1,000 Cartons	Value ¹ \$/Carton
Grapefruit, All² (Net weight per carton: 33.5 pounds)	89-90	18,800	4.01	12,000	6.11	6,800	0.30
	90-91	16,000	3.20	10,400	4.97	5,600	(0.08)
	91-92	20,000	3.06	12,800	4.56	7,200	0.40
	92-93	18,400	2.46	11,400	4.08	7,000	(0.17)
	93-94	18,600	2.72	12,160	4.16	6,440	(0.01)
	94-95	18,600	2.82	11,820	4.56	6,780	(0.22)
	95-96	16,200	3.29	12,000	4.48	4,200	(0.12)
	96-97	16,400	3.21	12,120	4.38	4,280	(0.10)
	97-98	16,000	4.21	11,088	6.13	4,912	(0.13)
	98-99	14,600	4.60	13,276	6.13	1,324	(0.04)
Lemons (Net weight per carton: 38 pounds)	89-90	31,600	7.60	21,000	10.63	10,600	1.59
	90-91	29,600	8.19	18,780	12.16	10,820	1.29
	91-92	30,200	6.32	18,180	9.93	12,020	0.87
	92-93	40,800	4.97	19,800	9.22	21,000	0.97
	93-94	41,400	5.00	19,000	10.10	22,400	0.68
	94-95	40,000	5.66	21,800	9.93	18,200	0.53
	95-96	42,000	5.20	21,600	9.23	20,400	0.94
	96-97	45,200	6.06	23,080	10.43	22,120	1.51
	97-98	42,000	5.16	19,840	9.58	22,160	1.20
	98-99	32,400	6.62	19,570	10.68	12,830	0.42
Oranges, Navel & Misc. (Net weight per carton: 37.5 pounds)	89-90	88,600	4.02	64,600	4.84	24,000	1.81
	90-91	31,600	5.04	18,400	8.34	13,200	0.45
	91-92	70,200	4.36	53,000	5.53	17,200	0.76
	92-93	87,600	3.16	65,400	4.30	22,200	(0.18)
	93-94	73,200	3.99	58,200	5.01	15,000	0.02
	94-95	70,000	3.91	53,000	5.21	17,000	(0.14)
	95-96	76,000	3.68	58,000	4.89	18,000	(0.24)
	96-97	80,000	4.68	69,000	5.39	11,000	0.18
	97-98	88,000	4.42	73,000	5.29	15,000	0.18
	98-99	42,000	5.42	23,000	9.74	19,000	0.18
Oranges, Valencia (Net weight per carton: 37.5 pounds)	89-90	54,200	3.68	29,600	5.37	24,600	1.65
	90-91	19,600	10.87	14,000	14.98	5,600	0.59
	91-92	64,600	1.99	29,700	3.84	34,900	0.41
	92-93	46,000	4.24	32,800	5.92	13,200	0.08
	93-94	54,000	3.16	34,000	5.04	20,000	(0.03)
	94-95	42,000	4.74	35,200	5.70	6,800	(0.24)
	95-96	40,000	5.26	31,000	6.85	9,000	(0.24)
	96-97	48,000	4.39	34,000	5.65	14,000	1.31
	97-98	50,000	4.52	38,000	5.50	12,000	1.40
	98-99	30,000	6.29	16,000	10.45	14,000	1.52
Oranges, All (Net weight per carton: 37.5 pounds)	89-90	142,800	3.89	94,200	5.00	48,600	1.73
	90-91	51,200	7.27	32,400	11.21	18,800	0.49
	91-92	134,800	3.22	82,700	4.92	52,100	0.52
	92-93	133,600	3.54	98,200	4.84	35,400	(0.08)
	93-94	127,200	3.64	92,200	5.02	35,000	(0.01)
	94-95	112,000	4.22	88,200	5.41	23,800	(0.17)
	95-96	116,000	4.22	89,000	5.58	27,000	(0.24)
	96-97	128,000	4.57	103,000	5.48	25,000	0.81
	97-98	138,000	4.46	111,000	5.36	27,000	0.72
	98-99	72,000	5.78	39,000	10.03	33,000	0.75
Tangerines (Including Mandarins and Hybrids, Tangelos, and Tangors) (Net weight per carton: 37.5 pounds)	89-90	3,300	9.45	2,480	12.12	820	1.40
	90-91	2,700	9.09	1,850	13.13	850	0.29
	91-92	4,800	7.25	3,360	10.29	1,520	0.52
	92-93	4,200	6.00	2,930	8.72	1,270	(0.28)
	93-94	4,600	5.58	3,200	8.04	1,400	(0.06)
	94-95	5,000	7.09	3,400	10.50	1,600	(0.16)
	95-96	5,200	5.42	3,600	7.90	1,600	(0.16)
	96-97	5,200	7.55	4,240	9.30	960	(0.14)
	97-98	4,800	5.74	3,296	8.35	1,504	0.01
	98-99	3,000	7.52	2,126	10.40	874	0.51

¹ Equivalent packinghouse door returns.

² Estimates for "Grapefruit, Desert" and "Grapefruit, Other" were combined to "Grapefruit, All" starting in 1995-96. Season average values for all grapefruit are derived by weighting the season average value for each area by their carton weights. Prior to 1993-94, net weight per carton for Desert Valley was 32 pounds.



CITRUS FRUIT MONTHLY AND SEASON AVERAGE PRICES, 1990-1999

Crop	Crop Year	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Season Average
		<i>Dollars Per Carton</i>												
GRAPEFRUIT, ALL														
Fresh Sales	89-90	5.14	4.73	6.54	6.28	6.87	7.22	7.93	7.73	5.88	4.44	2.24	1.97	6.11
	90-91	4.26	5.87	5.70	4.56	4.96	5.47	5.33	6.07	5.54	4.82	2.67	2.07	4.97
	91-92	4.89	5.45	4.23	3.88	3.92	4.54	4.89	4.85	4.56	4.68	4.68	3.83	4.56
	92-93	5.59	4.65	4.21	3.27	2.95	3.05	2.80	4.07	4.69	4.68	5.74	4.70	4.08
	93-94	6.70	3.55	3.39	2.73	2.58	2.50	3.56	4.86	4.56	4.70	4.81	4.71	4.16
	94-95	5.08	3.60	3.79	2.83	2.92	3.05	3.62	4.88	5.45	5.48	4.78	5.98	4.56
	95-96	7.28	4.93	4.18	3.63	3.23	3.38	3.38	3.98	3.33	5.63	7.08	7.08	4.48
	96-97	6.83	6.38	5.28	4.13	3.48	3.43	3.73	4.58	4.63	4.23	4.23	3.33	4.38
	97-98	3.48	4.73	4.63	3.58	3.88	4.38	5.13	5.58	6.23	7.23	9.38	9.38	6.13
	98-99	8.13	7.58	7.78	5.88	4.73	4.38	6.53	7.68	5.83	6.28	—	—	6.78
Processing	89-90	0.28	0.42	0.27	0.16	0.21	0.18	0.57	0.42	0.61	(0.01)	(0.06)	0.01	0.30
	90-91	(0.09)	(0.08)	(0.09)	(0.10)	(0.10)	(0.09)	(0.07)	(0.07)	(0.08)	(0.09)	(0.10)	(0.10)	(0.08)
	91-92	(0.06)	(0.07)	(0.01)	0.03	0.25	0.35	0.40	0.53	0.49	0.43	0.36	0.32	0.40
	92-93	0.03	(0.16)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)	(0.17)	(0.15)	(0.15)	—	—	(0.17)
	93-94	0.18	(0.03)	(0.03)	(0.02)	(0.01)	(0.03)	(0.03)	0.05	(0.01)	(0.04)	(0.04)	0.07	(0.01)
	94-95	(0.20)	(0.22)	(0.22)	(0.22)	(0.22)	(0.21)	(0.19)	(0.22)	(0.22)	(0.22)	(0.22)	(0.22)	(0.22)
	95-96	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.14)	(0.14)
	96-97	(0.13)	(0.13)	0.09	0.10	(0.10)	(0.18)	(0.15)	(0.09)	(0.07)	0.01	(0.12)	(0.20)	(0.10)
	97-98	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)
	98-99	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)
All Sales	89-90	4.46	3.85	5.87	4.90	5.29	4.67	4.47	4.89	3.86	2.45	1.28	1.55	4.01
	90-91	3.79	4.67	4.97	3.60	3.78	3.49	3.01	3.70	3.30	2.70	1.56	1.62	3.20
	91-92	4.29	4.43	3.59	2.69	3.04	3.03	2.95	3.21	2.90	2.82	3.06	2.92	3.06
	92-93	5.09	4.04	3.57	2.53	1.98	1.52	1.21	2.09	3.15	2.65	5.74	4.70	2.46
	93-94	4.78	3.28	8.08	1.98	1.75	1.76	2.23	2.71	3.10	2.75	3.60	1.81	2.72
	94-95	3.95	3.15	3.44	1.88	1.72	2.05	1.87	2.85	2.59	3.83	3.25	5.08	2.82
	95-96	6.07	4.65	3.23	2.96	2.29	2.21	3.66	3.24	2.52	3.16	4.98	6.00	3.29
	96-97	6.40	5.70	4.36	3.18	2.28	2.11	1.98	3.37	4.37	2.88	2.75	1.85	3.21
	97-98	2.96	4.12	4.05	2.79	2.66	2.58	2.62	3.31	4.34	5.43	7.92	8.11	4.21
	98-99	6.96	6.58	6.70	4.76	3.92	3.12	6.36	7.34	4.06	4.70	—	—	5.64
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Crop	Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Season Average
		<i>Dollars Per Carton</i>												
ORANGES, NAVEL AND MISC.														
Fresh Sales	89-90	7.59	5.99	4.94	4.79	4.74	4.44	4.24	4.99	4.99	—	—	—	4.84
	90-91	6.09	6.84	6.49	12.79	14.49	13.19	13.54	—	—	—	—	—	8.34
	91-92	—	9.28	7.38	6.68	4.88	4.33	4.43	4.73	3.38	—	—	—	5.53
	92-93	6.55	5.20	4.65	4.20	3.95	3.80	4.25	4.40	2.95	—	—	—	4.30
	93-94	6.86	6.86	5.11	4.06	4.06	5.06	5.31	6.01	—	—	—	—	5.01
	94-95	6.06	6.26	5.46	5.26	4.81	4.46	5.66	5.11	—	—	—	—	5.21
	95-96	—	6.99	4.54	4.24	3.79	5.04	5.84	7.79	—	—	—	—	4.89
	96-97	10.29	6.24	5.19	5.09	4.69	4.79	5.69	7.94	—	—	—	—	5.39
	97-98	6.24	5.34	4.99	4.44	4.44	4.99	6.69	7.14	8.14	—	—	—	5.29
	98-99	—	8.04	7.64	11.74	10.89	10.64	14.14	13.69	—	—	—	—	9.74
Processing	89-90	0.54	1.11	1.39	1.44	1.80	1.93	1.93	2.04	2.04	—	—	—	1.81
	90-91	0.45	0.45	0.45	0.45	0.45	0.45	0.45	—	—	—	—	—	0.45
	91-92	—	0.65	0.74	0.93	0.93	0.84	0.65	0.65	0.65	—	—	—	0.76
	92-93	(0.19)	(0.19)	(0.19)	(0.19)	(0.19)	(0.19)	(0.19)	(0.10)	0.18	—	—	—	(0.18)
	93-94	(0.09)	(0.18)	(0.18)	(0.14)	0.09	0.18	(0.01)	(0.01)	—	—	—	—	0.02
	94-95	(0.12)	(0.12)	(0.03)	(0.03)	(0.12)	(0.18)	(0.22)	(0.22)	—	—	—	—	(0.14)
	95-96	—	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	—	—	—	—	(0.24)
	96-97	(0.14)	(0.14)	(0.14)	(0.04)	0.30	0.32	0.32	0.33	—	—	—	—	0.18
	97-98	(0.14)	(0.14)	(0.14)	(0.02)	0.10	0.33	0.33	0.33	0.33	—	—	—	0.18
	98-99	—	0.23	0.31	0.42	0.12	(0.09)	(0.11)	0.03	—	—	—	—	0.18
All Sales	89-90	6.41	5.20	4.38	4.20	3.99	3.62	3.41	3.96	3.82	—	—	—	4.02
	90-91	4.87	5.94	5.45	3.94	4.67	6.82	10.27	—	—	—	—	—	5.04
	91-92	—	8.06	6.42	5.75	4.09	3.44	3.20	3.25	2.25	—	—	—	4.36
	92-93	4.64	4.14	3.85	3.31	2.91	2.65	2.92	2.88	1.57	—	—	—	3.16
	93-94	5.99	6.07	4.43	3.34	3.25	3.84	3.88	4.29	—	—	—	—	3.99
	94-95	4.52	4.88	4.36	4.40	3.52	3.12	3.98	4.27	—	—	—	—	3.91
	95-96	—	6.16	4.02	3.46	2.80	3.43	3.82	5.50	—	—	—	—	3.68
	96-97	7.97	5.43	4.66	4.58	4.06	4.13	4.72	6.80	—	—	—	—	4.68
	97-98	5.24	4.79	4.42	3.82	3.77	3.98	5.39	5.37	6.69	—	—	—	4.42
	98-99	—	6.84	6.38	3.75	5.66	5.10	6.77	6.86	—	—	—	—	5.42

CITRUS FRUIT MONTHLY AND SEASON AVERAGE PRICES, 1990–1999 *continued*

Crop	Crop Year	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Season Average
		<i>Dollars Per Carton</i>												
ORANGES, VALENCIA														
Fresh Sales	89-90	—	5.66	5.61	6.76	6.01	5.61	5.01	5.12	4.27	3.97	—	—	5.37
	90-91	15.24	14.99	16.59	14.99	14.69	14.09	14.64	15.53	14.63	—	—	—	14.98
	91-92	—	4.89	4.84	4.74	4.04	3.59	3.44	3.44	3.54	3.54	—	—	3.84
	92-93	3.52	4.62	5.02	4.37	4.47	5.02	6.62	9.67	9.52	4.17	—	—	5.92
	93-94	6.09	5.89	5.34	5.59	5.24	4.74	5.09	4.84	4.09	4.79	—	—	5.04
	94-95	5.20	5.15	5.50	6.05	5.85	5.50	5.60	5.80	5.50	—	—	—	5.70
	95-96	—	6.65	6.00	5.65	5.55	6.55	7.70	10.60	8.75	—	—	—	6.85
	96-97	6.35	6.35	5.40	5.20	5.25	5.45	6.30	6.40	5.75	—	—	—	5.65
	97-98	4.60	5.85	6.60	6.45	5.95	5.20	4.60	5.05	5.50	6.55	—	—	5.50
	98-99	12.75	12.15	12.20	12.30	10.95	9.55	9.55	—	—	—	—	—	11.10
Processing	89-90	—	2.08	2.11	2.24	2.24	2.01	1.41	1.27	1.27	0.65	—	—	1.65
	90-91	0.51	0.51	0.41	0.61	0.61	0.61	0.51	0.54	0.64	—	—	—	0.59
	91-92	—	0.87	0.65	0.65	0.65	0.55	0.34	0.24	0.24	0.34	—	—	0.41
	92-93	(0.27)	(0.27)	(0.27)	(0.16)	(0.06)	0.16	0.26	0.36	0.36	(0.16)	—	—	0.08
	93-94	0.07	0.18	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	—	—	(0.03)
	94-95	(0.12)	(0.19)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	—	—	—	(0.24)
	95-96	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	(0.24)	—	—	—	(0.24)
	96-97	1.02	0.67	0.54	0.63	0.76	1.44	1.69	1.70	1.63	—	—	—	1.31
	97-98	0.98	0.98	0.68	1.27	1.55	1.55	1.55	1.78	0.92	0.76	—	—	1.40
	98-99	1.55	2.34	0.98	1.18	1.58	1.58	1.58	—	—	—	—	—	1.47
All Sales	89-90	—	4.47	4.19	5.04	4.53	3.92	3.24	3.22	2.82	2.56	—	—	3.68
	90-91	11.56	10.17	10.92	11.19	10.91	9.85	10.38	11.81	11.46	—	—	—	10.87
	91-92	—	3.79	3.24	3.08	2.45	1.94	1.51	1.53	1.67	1.59	—	—	1.99
	92-93	2.89	3.19	3.25	3.24	3.25	3.56	4.65	6.95	6.90	1.70	—	—	4.24
	93-94	4.59	4.65	4.14	4.35	3.82	3.06	3.14	2.74	1.78	2.42	—	—	3.16
	94-95	4.09	4.62	4.35	4.96	4.77	4.77	4.69	4.67	4.83	—	—	—	4.74
	95-96	—	5.93	4.79	4.77	4.11	4.63	5.50	7.89	6.24	—	—	—	5.26
	96-97	5.02	5.04	4.56	4.42	4.01	4.28	4.77	4.62	4.04	—	—	—	4.39
	97-98	3.21	4.22	5.19	5.60	5.07	4.42	3.82	4.06	4.26	5.68	—	—	4.52
	98-99	11.29	10.30	8.90	7.88	7.30	7.81	6.78	—	—	—	—	—	7.25

Crop	Crop Year	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season Average
		<i>Dollars Per Carton</i>												
LEMONS, ALL														
Fresh Sales	89-90	12.38	12.63	12.33	9.38	7.58	8.03	9.23	10.03	10.28	10.58	11.18	11.53	10.63
	90-91	10.26	10.46	10.36	5.81	5.91	15.41	11.56	10.91	12.71	14.36	13.81	16.96	12.16
	91-92	16.38	16.78	14.13	11.58	4.78	6.23	7.18	7.68	8.63	8.73	9.38	9.63	9.93
	92-93	9.82	10.82	8.37	4.47	5.57	6.12	6.17	6.87	7.82	9.32	14.12	14.62	9.22
	93-94	17.25	16.90	13.15	9.15	6.10	4.95	4.25	5.35	7.15	8.55	12.30	16.00	10.10
	94-95	18.48	16.28	10.43	7.88	6.88	6.68	6.13	6.13	7.73	9.98	14.48	17.63	9.93
	95-96	17.43	15.33	11.53	7.78	6.08	5.48	4.88	5.58	7.48	9.83	13.33	15.83	9.23
	96-97	14.58	13.48	11.03	9.98	8.68	7.08	5.58	5.28	6.93	11.68	16.73	19.88	10.43
	97-98	20.73	18.33	11.88	6.78	5.48	4.83	4.53	5.63	7.08	9.68	14.73	18.08	9.58
	98-99	17.03	13.78	14.53	11.38	8.93	10.63	7.73	7.48	9.03	10.68	13.43	15.63	10.68
Processing	89-90	1.15	1.15	1.15	1.28	1.49	1.63	1.70	1.73	1.73	1.73	1.73	1.77	1.59
	90-91	1.78	1.81	1.81	1.64	1.19	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.29
	91-92	0.98	0.98	0.98	0.84	0.88	0.91	0.88	0.84	0.84	0.84	0.88	0.88	0.87
	92-93	0.87	0.90	0.88	1.01	1.01	1.01	1.01	1.01	1.01	0.94	0.94	0.94	0.91
	93-94	0.93	0.93	0.93	0.72	0.72	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.68
	94-95	0.64	0.64	0.64	0.50	0.50	0.50	0.50	0.50	0.54	0.54	0.54	0.54	0.53
	95-96	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
	96-97	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51
	97-98	1.51	1.51	1.51	1.23	1.23	1.23	1.23	1.13	1.13	1.13	1.13	1.13	1.20
	98-99	1.13	1.13	1.13	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.42
All Sales	89-90	9.86	9.87	8.56	6.14	5.33	6.20	6.59	6.63	7.11	7.61	8.13	8.21	7.60
	90-91	7.11	7.58	6.89	3.90	3.12	4.64	6.98	8.68	10.51	12.00	10.89	12.68	8.19
	91-92	11.72	11.97	10.74	7.49	2.98	3.57	4.24	4.91	5.24	5.37	6.13	6.25	6.32
	92-93	6.29	7.22	4.72	2.59	2.78	3.23	3.14	3.11	3.56	5.17	9.54	10.59	4.97
	93-94	12.94	12.45	8.51	5.44	3.04	2.12	2.00	2.41	3.25	4.12	6.80	7.11	5.00
	94-95	15.83	11.95	6.31	4.80	3.18	3.94	2.85	3.15	3.62	6.44	11.27	11.94	5.66
	95-96	11.38	9.64	6.83	4.80	3.60	2.87	2.74	3.16	4.26	5.36	7.52	8.58	5.20
	96-97	9.44	8.90	6.72	5.91	5.19	3.99	2.74	2.81	4.46	9.49	14.39	16.54	6.06
	97-98	13.65	11.12	7.11	4.17	3.30	2.84	2.71	2.69	3.24	5.26	10.04	13.48	5.16
	98-99	13.77	10.98	11.97	8.30	5.58	5.82	4.60	4.81	5.20	6.12	7.20	9.06	6.62

FRUIT AND NUT CROPS



CITRUS FRUIT MONTHLY AND SEASON AVERAGE PRICES, 1990-1999 *continued*

Crop	Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Season Average
		<i>Dollars Per Carton</i>												
TANGERINES														
Fresh Sales	89-90	—	16.66	14.36	13.21	14.26	9.86	9.11	9.56	—	—	—	—	12.12
	90-91	—	13.79	11.59	12.34	12.99	15.84	14.44	14.39	—	—	—	—	13.13
	91-92	19.99	16.59	9.99	9.09	7.69	7.59	7.79	7.44	7.44	—	—	—	10.29
	92-93	13.92	8.52	8.07	8.17	8.27	9.52	9.22	—	—	—	—	—	8.72
	93-94	13.69	10.24	7.29	6.09	7.09	7.34	7.34	5.79	—	—	—	—	8.04
	94-95	13.95	10.40	7.85	9.30	10.75	11.25	13.25	13.25	13.25	—	—	—	10.50
	95-96	14.45	9.80	7.10	5.40	6.10	6.95	6.85	6.15	—	—	—	—	7.90
	96-97	15.00	10.65	8.45	9.35	8.25	7.05	8.05	6.90	—	—	—	—	9.30
	97-98	15.45	10.25	8.85	8.00	7.00	7.10	6.35	(0.25)	(0.40)	—	—	—	8.35
	98-99	13.75	11.95	10.40	10.00	8.80	9.15	2.20	—	—	—	—	—	10.40
Processing	89-90	—	0.67	0.93	1.35	1.53	1.55	1.67	1.67	1.67	—	—	—	1.40
	90-91	—	0.26	0.26	0.26	0.26	0.26	0.26	0.26	—	—	—	—	0.29
	91-92	—	0.41	0.46	0.62	0.62	0.53	0.38	0.38	0.46	—	—	—	0.52
	92-93	(0.28)	(0.28)	(0.28)	(0.28)	(0.28)	(0.28)	(0.28)	(0.20)	—	—	—	—	(0.28)
	93-94	(0.16)	(0.24)	(0.24)	(0.20)	—	0.08	(0.09)	(0.09)	—	—	—	—	(0.06)
	94-95	(0.16)	(0.16)	(0.08)	(0.08)	(0.16)	(0.21)	(0.25)	(0.25)	(0.25)	—	—	—	(0.16)
	95-96	—	(0.16)	(0.16)	(0.16)	(0.16)	(0.16)	(0.16)	(0.16)	—	—	—	—	(0.16)
	96-97	(0.14)	(0.14)	(0.14)	(0.14)	(0.14)	(0.14)	(0.14)	—	—	—	—	—	(0.14)
	97-98	(0.14)	(0.14)	(0.14)	(0.04)	0.10	0.33	0.33	0.33	0.33	—	—	—	0.01
	98-99	0.22	0.22	0.70	0.74	0.70	0.36	(0.15)	—	—	—	—	—	0.85
All Sales	89-90	—	11.86	12.02	12.22	10.68	7.54	6.63	7.58	1.67	—	—	—	9.45
	90-91	—	10.23	10.01	10.89	2.30	10.55	9.72	7.33	—	—	—	—	9.09
	91-92	19.99	15.92	9.69	7.15	4.76	4.02	4.32	4.41	1.85	—	—	—	7.25
	92-93	11.68	7.30	6.11	5.04	5.12	6.31	1.63	(0.20)	—	—	—	—	6.00
	93-94	12.06	9.59	6.43	3.51	4.39	3.71	4.37	3.83	—	—	—	—	5.58
	94-95	9.25	7.76	5.69	5.28	7.12	7.43	6.50	6.50	10.55	—	—	—	7.09
	95-96	14.45	8.66	6.19	3.72	3.19	3.11	3.34	4.04	—	—	—	—	5.42
	96-97	12.47	8.56	6.69	7.85	6.50	5.71	7.30	6.90	—	—	—	—	7.55
	97-98	10.00	7.00	5.26	5.32	5.42	5.41	4.63	(0.08)	(0.17)	—	—	—	5.74
	98-99	10.06	8.72	7.76	7.03	6.42	6.05	1.79	—	—	—	—	—	7.52

DRYING RATIO — TONS OF GREEN FRUIT REQUIRED TO PRODUCE ONE DRIED TON

Year	Apples	Apricots	Figs	Raisins	Peaches, Freestone	Pears, Bartlett	Prunes
1990	8.40	6.90	3.00	4.40	9.00	6.00	3.15
1991	—	6.50	3.00	4.53	9.30	6.00	3.15
1992	—	6.40	3.00	4.00	9.60	6.60	2.90
1993	—	6.60	3.00	4.30	8.10	6.50	3.10
1994	—	6.40	3.00	4.50	9.30	6.15	3.10
1995	—	6.50	3.00	5.00	9.00	6.10	3.30
1996	—	6.90	3.00	4.20	9.60	7.00	3.20
1997	—	6.90	3.00	4.15	9.00	6.75	3.06
1998	—	7.20	3.00	4.70	8.06	6.91	3.20
1999	—	6.03	3.00	4.17	8.49	6.93	2.90

NON-CITRUS FRUIT ACREAGE, PRODUCTION AND VALUE, 1990-1999

Crop	Crop Year	Bearing Acres	Non-Bearing Acres	Yield Per Acre Tons	Production Tons	Value Per Unit ¹ \$/Ton	Total Value \$1,000
Apples	1990	31,400	2,900	12.40	390,000	312.00	121,700
	1991	31,800	2,200	12.60	400,000	420.00	167,950
	1992	33,800	2,000	12.45	420,000	406.00	170,160
	1993	34,700	4,200	12.70	440,000	314.00	138,320
	1994	34,900	4,700	15.05	525,000	266.00	139,300
	1995	35,000	4,300	12.15	425,000	366.00	155,750
	1996	38,000	—	12.50	475,000	332.00	158,050
	1997	38,500	—	12.50	481,000	338.00	162,655
	1998	37,000	—	11.60	430,000	306.00	131,340
	1999	35,000	—	11.80	412,500	292.00	120,696
Apricots	1990	16,900	3,200	6.80	115,000	323.00	36,536
	1991	17,300	2,600	5.20	90,000	374.00	32,183
	1992	18,100	2,700	5.47	99,000	328.00	32,458
	1993	19,300	1,500	4.61	89,000	363.00	32,288
	1994	19,800	—	7.32	145,000	331.00	43,700
	1995	19,800	—	2.73	54,000	387.00	20,913
	1996	20,200	—	3.76	76,000	403.00	30,663
	1997	20,000	—	6.60	132,000	308.00	37,673
	1998	20,000	—	5.65	113,000	311.00	31,895
	1999	19,000	—	4.47	85,000	361.00	30,703
Avocados	89-90	75,000	600	1.40	105,000	2,280.00	239,400
	90-91	74,200	400	1.83	136,000	1,410.00	191,760
	91-92	73,500	400	2.12	156,000	1,170.00	182,520
	92-93	72,900	300	3.90	284,000	400.00	113,600
	93-94	66,900	—	2.08	139,000	1,810.00	251,590
	94-95	61,300	—	2.53	155,000	1,480.00	229,894
	95-96	61,100	—	2.80	171,000	1,370.00	234,831
	96-97	59,900	—	2.79	167,000	1,560.00	260,162
	97-98	59,900	—	2.57	154,000	1,710.00	263,473
	98-99	59,400	—	2.29	136,000	2,400.00	327,002
Cherries, Sweet	1990	10,600	2,700	2.08	22,000	891.00	19,610
	1991	10,800	2,600	3.33	36,000	957.00	34,434
	1992	11,200	3,000	2.77	31,000	1,240.00	38,342
	1993	11,700	2,700	1.62	19,000	2,270.00	43,203
	1994	13,500	—	3.85	52,000	1,220.00	63,512
	1995	15,000	—	1.32	19,800	2,100.00	41,540
	1996	16,500	—	1.49	24,600	1,850.00	45,430
	1997	17,000	—	2.89	49,200	1,290.00	63,375
	1998	17,500	—	0.87	15,200	1,550.00	23,512
	1999	18,500	—	4.30	79,500	866.00	68,866
Dates	1990	5,000	900	4.80	24,000	820.00	19,680
	1991	5,200	600	4.23	22,000	970.00	21,340
	1992	5,300	400	3.96	21,000	1,060.00	22,260
	1993	5,500	200	5.27	29,000	790.00	22,910
	1994	5,500	—	4.18	23,000	750.00	17,250
	1995	5,200	—	4.37	22,700	780.00	17,706
	1996	4,680	—	4.91	23,000	1,090.00	25,070
	1997	4,800	—	4.38	21,000	1,100.00	23,100
	1998	4,900	—	5.08	24,900	1,220.00	30,378
	1999	4,900	—	4.53	22,200	1,240.00	27,528
Figs	1990	16,700	300	2.97	49,600	350.00	17,370
	1991	16,000	400	2.82	45,100	369.00	16,626
	1992	14,400	500	3.26	46,900	405.00	18,985
	1993	14,200	500	4.27	60,700	401.00	24,341
	1994	14,600	—	3.88	56,700	419.00	23,768
	1995	14,700	—	3.56	52,400	314.00	16,429
	1996	15,400	—	2.95	45,500	283.00	12,894
	1997	16,400	—	3.51	57,500	265.00	15,209
	1998	16,300	—	3.15	51,300	226.00	11,611
	1999	15,000	—	2.99	44,900	278.00	12,477



NON-CITRUS FRUIT ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*



Crop	Crop Year	Bearing	Non-Bearing	Yield Per Acre	Production	Value Per Unit ¹	Total Value
		Acre	Acre	Tons	Tons	\$/Ton	\$,000
Grapes, Raisin ^{2,3}	1990	270,000	8,000	8.69	2,345,000	237.00	554,901
	1991	266,000	10,100	8.80	2,165,000	247.00	535,127
	1992	267,000	10,100	10.50	2,670,000	230.00	614,595
	1993	266,000	10,700	9.57	2,354,000	255.00	599,404
	1994	270,000	10,200	8.85	2,389,000	229.00	547,002
	1995	268,000	9,500	9.27	2,252,000	234.00	526,297
	1996	270,000	7,800	8.12	2,192,000	281.00	614,940
	1997	270,000	5,300	10.68	2,883,000	262.00	756,405
	1998	275,000	6,000	7.55	2,077,000	291.00	604,036
	1999	279,000	7,000	7.59	2,117,000	361.00	763,969
Grapes, Table	1990	78,000	9,300	8.27	645,000	429.00	276,874
	1991	75,500	9,900	8.21	620,000	438.00	271,700
	1992	77,300	7,000	8.34	645,000	356.00	229,630
	1993	77,800	6,400	8.12	632,000	574.00	362,544
	1994	78,000	8,100	7.72	602,000	515.00	310,022
	1995	79,000	11,600	8.95	707,000	523.00	370,097
	1996	80,000	14,800	7.40	592,000	650.00	384,505
	1997	81,000	13,100	10.19	825,000	448.00	369,420
	1998	83,000	15,000	7.75	643,000	499.00	320,693
	1999	87,000	13,000	8.70	757,000	551.00	417,431
Grapes, Wine	1990	291,000	44,200	7.54	2,195,000	308.00	676,270
	1991	295,000	38,500	7.44	2,195,000	344.00	755,800
	1992	300,000	31,500	7.15	2,145,000	393.00	843,000
	1993	312,000	33,400	7.68	2,397,000	361.00	866,382
	1994	322,000	47,100	7.03	2,265,000	378.00	855,915
	1995	328,000	64,400	6.94	2,275,000	424.00	965,150
	1996	350,000	76,200	6.36	2,225,000	536.00	1,192,185
	1997	374,000	78,300	7.86	2,940,000	598.00	1,756,935
	1998	385,000	122,000	6.68	2,570,000	581.00	1,491,908
	1999	424,000	130,000	6.28	2,662,000	585.00	1,556,405
Grapes, All ^{2,5}	1990	639,000	61,500	8.11	5,185,000	291.00	1,508,045
	1991	636,500	58,500	8.08	4,980,000	314.00	1,562,627
	1992	644,300	48,600	8.64	5,460,000	309.00	1,687,225
	1993	655,800	50,500	8.47	5,383,000	340.00	1,828,330
	1994	670,000	65,400	7.84	5,256,000	326.00	1,712,939
	1995	675,000	85,500	8.05	5,234,000	356.00	1,861,544
	1996	700,000	98,800	7.16	5,009,000	438.00	2,191,630
	1997	725,000	96,700	9.17	6,648,000	434.00	2,882,760
	1998	743,000	143,000	7.12	5,290,000	457.00	2,416,637
	1999	790,000	150,000	7.01	5,536,000	495.00	2,737,805
Kiwifruit	1990	7,300	300	5.34	39,000	415.00	14,110
	1991	7,300	50	4.05	29,600	820.00	21,976
	1992	7,300	40	7.16	52,300	290.00	13,833
	1993	6,900	10	7.13	49,200	370.00	16,502
	1994	6,500	—	6.06	39,400	491.00	18,413
	1995	6,100	—	6.20	37,800	459.00	15,434
	1996	5,700	—	5.53	31,500	470.00	13,157
	1997	5,300	—	6.60	35,000	518.00	16,483
	1998	5,300	—	6.91	36,600	744.00	24,544
	1999	5,300	—	5.09	27,000	634.00	15,215
Nectarines	1990	25,500	4,300	9.10	232,000	474.00	109,999
	1991	26,400	4,700	8.14	215,000	402.00	86,457
	1992	26,500	9,300	8.91	236,000	312.00	73,710
	1993	28,000	8,300	7.32	205,000	500.00	102,421
	1994	31,000	—	7.81	242,000	282.00	68,168
	1995	34,000	—	5.18	176,000	534.00	93,990
	1996	35,000	—	7.06	247,000	474.00	116,977
	1997	36,000	—	7.33	264,000	375.00	98,895
	1998	35,500	—	6.31	224,000	471.00	105,466
	1999	35,500	—	7.72	274,000	411.00	112,497

NON-CITRUS FRUIT ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*

Crop	Crop Year	Bearing Acres	Non-Bearing Acres	Yield Per Acre Tons	Production Tons	Value Per Unit ¹ \$/Ton	Total Value \$1,000
Olives ⁴	1990	30,400	4,000	4.33	131,500	423.00	55,663
	1991	29,700	4,400	2.19	65,000	559.00	36,306
	1992	30,100	4,600	5.48	165,000	549.00	90,561
	1993	30,100	4,400	4.05	122,000	467.00	56,991
	1994	32,000	—	2.63	84,000	464.00	38,994
	1995	33,700	—	2.30	77,500	646.00	50,069
	1996	33,700	—	4.93	166,000	617.00	102,364
	1997	35,300	—	2.95	104,000	642.00	66,801
	1998	35,300	—	2.55	90,000	459.00	41,331
	1999	35,300	—	4.11	145,000	452.00	65,564
Peaches, Clingstone ⁴	1990	27,000	11,900	18.75	506,000	214.00	102,185
	1991	26,200	12,600	19.65	515,000	218.00	105,730
	1992	30,700	8,500	19.25	591,500	216.00	120,636
	1993	30,200	9,000	18.15	548,500	218.00	113,033
	1994	30,200	—	18.70	565,000	180.00	97,470
	1995	28,100	—	15.40	432,500	214.00	87,847
	1996	31,000	—	17.65	546,500	220.00	114,510
	1997	31,000	—	18.50	574,000	260.00	143,000
	1998	30,400	—	17.20	522,500	220.00	112,862
	1999	29,800	—	17.75	529,500	226.00	115,740
Peaches, Freestone	1990	27,600	3,600	10.85	300,000	340.00	102,120
	1991	28,200	3,500	11.10	313,500	264.00	82,914
	1992	28,800	6,400	11.15	321,000	248.00	79,510
	1993	29,500	5,400	10.20	301,500	298.00	90,072
	1994	30,100	—	10.55	317,000	214.00	67,918
	1995	32,500	—	7.70	251,000	372.00	93,175
	1996	34,300	—	9.85	337,000	434.00	146,306
	1997	35,200	—	10.50	369,500	244.00	89,937
	1998	37,000	—	9.20	340,500	314.00	107,155
	1999	38,000	—	10.05	381,500	322.00	123,057
Peaches, All	1990	54,600	15,500	14.75	806,000	263.00	204,305
	1991	54,400	16,100	15.25	828,500	236.00	188,644
	1992	59,500	14,900	15.35	912,500	228.00	200,146
	1993	59,700	14,400	14.25	850,000	248.00	203,105
	1994	60,300	—	14.65	882,000	193.00	165,388
	1995	60,600	—	11.30	683,500	274.00	181,022
	1996	65,300	—	13.55	883,500	304.00	260,816
	1997	66,200	—	14.25	943,500	254.00	232,937
	1998	67,400	—	12.80	863,000	258.00	220,017
	1999	67,800	—	13.45	911,000	266.00	238,797
Pears, Bartlett	1990	20,200	200	15.50	314,000	242.00	75,867
	1991	20,200	200	14.90	300,000	252.00	75,624
	1992	20,200	100	15.60	315,000	238.00	74,970
	1993	19,900	100	14.50	288,000	237.00	68,287
	1994	19,500	—	17.10	333,000	183.00	60,904
	1995	18,400	—	13.40	247,000	212.00	52,453
	1996	17,500	—	16.40	287,000	267.00	76,594
	1997	15,600	—	18.10	282,000	263.00	74,054
	1998	15,000	—	18.50	277,000	246.00	68,121
	1999	15,000	—	20.70	311,000	208.00	64,676
Pears, Other	1990	3,100	2,100	5.81	18,000	410.00	7,381
	1991	3,200	1,700	5.31	17,000	458.00	7,779
	1992	3,700	1,400	6.22	23,000	356.00	8,186
	1993	4,200	900	4.76	20,000	528.00	10,561
	1994	4,800	—	6.25	30,000	281.00	8,423
	1995	4,600	—	4.35	20,000	537.00	10,734
	1996	4,500	—	6.67	30,000	500.00	15,000
	1997	4,400	—	6.82	30,000	371.00	11,130
	1998	4,300	—	6.98	30,000	436.00	13,080
	1999	4,300	—	6.98	30,000	295.00	8,850



FRUIT AND NUT CROPS

NON-CITRUS FRUIT ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*



Crop	Crop Year	Bearing	Non-Bearing	Yield Per Acre	Production	Value Per Unit ¹	Total Value
		Acres	Acres	Tons	Tons	\$/Ton	\$1,000
Pears, All	1990	23,300	2,300	14.20	332,000	251.00	83,248
	1991	23,400	1,900	13.50	317,000	263.00	83,403
	1992	23,900	1,500	14.10	338,000	246.00	83,156
	1993	24,100	1,000	12.80	308,000	256.00	78,848
	1994	24,300	—	14.90	363,000	191.00	69,327
	1995	23,000	—	11.60	267,000	237.00	63,187
	1996	22,000	—	14.40	317,000	289.00	91,594
	1997	20,000	—	15.60	312,000	273.00	85,184
	1998	19,300	—	15.90	307,000	264.00	81,201
	1999	19,300	—	17.70	341,000	216.00	73,526
Plums	1990	41,800	3,300	5.33	223,000	603.00	134,412
	1991	42,400	2,600	5.14	218,000	449.00	97,894
	1992	42,400	1,700	5.90	250,000	252.00	63,033
	1993	41,200	3,500	4.49	185,000	508.00	93,954
	1994	41,600	—	5.94	247,000	321.00	79,358
	1995	42,000	—	2.95	124,000	950.00	117,849
	1996	42,600	—	5.35	228,000	420.00	95,831
	1997	42,000	—	5.86	246,000	312.00	76,825
	1998	42,000	—	4.48	188,000	529.00	99,388
	1999	41,500	—	4.72	196,000	419.00	82,041
Prunes (Dried Basis) ⁵	1990	80,100	5,800	1.84	147,000	873.00	128,331
	1991	80,200	6,500	2.33	187,000	940.00	175,780
	1992	80,400	8,000	2.29	184,000	1,030.00	189,520
	1993	83,000	11,000	1.46	121,000	1,120.00	135,520
	1994	84,000	18,800	2.30	193,000	1,090.00	210,370
	1995	83,500	23,200	2.17	181,000	1,040.00	188,240
	1996	85,000	23,700	2.62	223,000	839.00	187,097
	1997	82,000	21,300	2.61	214,000	883.00	181,015
	1998	83,000	26,000	1.30	108,000	764.00	78,692
	1999	83,000	22,000	2.14	178,000	906.00	149,490
Miscellaneous Fruits and Nuts ⁶	1990	24,000	—	—	152,000	—	60,070
	1991	27,000	—	—	151,000	—	66,800
	1992	24,000	—	—	158,000	—	62,750
	1993	25,000	—	—	165,000	—	70,950
	1994	29,000	—	—	193,000	—	80,642
	1995	22,000	—	—	132,000	—	62,750
	1996	27,000	—	—	165,000	—	81,872
	1997	41,000	—	—	288,000	—	144,664
	1998	39,000	—	—	231,000	—	113,024
	1999	44,000	—	—	243,000	—	132,170

¹ Return at processing plant door or packinghouse door.

² Acres of raisin type grapes enrolled in the California Raisin Industry Diversion (RID) program were; 1990 – zero; 1991 – 20,000; 1992 – 12,500; 1993 – 20,000; 1994 – zero; 1995 – 25,000; 1996, 1997, 1998 and 1999 – zero. These acres were deducted from bearing acres before calculating yield.

³ Raisin type production is the fresh equivalent of dried and not dried.

⁴ Total value based on grower return.

⁵ Acreage by county, variety and year of planting for 1999 are available upon request.

⁶ These crops are almond hulls, black walnuts, jojobas (until 1991), limes, persimmons, pomegranates (starting in 1990) and bushberries (in 1991). Acres exclude almond hulls.

NON-CITRUS FRUIT UNUTILIZED PRODUCTION, 1990-1999

Crop	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<i>Unharvested Tons</i>										
Apricots	2,000	4,000	—	—	13,000	—	—	9,600	10,400	—
<i>Harvested Tons Not Sold</i>										
Kiwifruit	5,000	2,800	4,600	4,600	1,900	4,200	3,500	3,200	3,600	3,000
Peaches, Clingstone	28,500	30,000	33,000	30,000	23,500	22,000	26,000	24,000	7,150	15,100
Prunes	—	—	—	—	—	—	—	9,000	5,000	13,000



NON-CITRUS FRUIT UTILIZED PRODUCTION AND AVERAGE GROWER RETURN, 1990-1999



Crop	Crop Year	Utilized Production Short Tons	Fresh Market		Processing			
			Quantity Tons	Value \$/Ton	Total		Canned	
					Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton
Apples ¹	1990	390,000	155,000	582.00	235,000	134.00	40,000	159.00
	1991	400,000	175,000	754.00	225,000	159.00	15,000	147.00
	1992	420,000	185,000	714.00	235,000	162.00	15,000	187.00
	1993	440,000	185,000	574.00	255,000	126.00	20,500	152.00
	1994	525,000	175,000	568.00	350,000	113.00	45,000	145.00
	1995	425,000	150,000	734.00	275,000	165.00	37,500	150.00
	1996	475,000	175,000	646.00	300,000	150.00	48,500	184.00
	1997	481,000	187,500	664.00	293,500	130.00	37,500	144.00
	1998	430,000	200,000	544.00	230,000	98.00	10,000	144.00
	1999	412,500	194,000	496.00	218,500	112.00	18,000	146.00
Apricots	1990	113,000	17,000	568.00	96,000	280.00	64,000	274.00
	1991	86,000	15,000	735.00	71,000	298.00	43,000	287.00
	1992	99,000	17,000	496.00	82,000	293.00	53,000	282.00
	1993	89,000	14,500	711.00	74,500	295.00	45,000	266.00
	1994	132,000	20,000	477.00	112,000	305.00	71,000	303.00
	1995	54,000	11,000	748.00	43,000	295.00	19,200	310.00
	1996	76,000	10,500	1,080.00	65,500	295.00	20,000	320.00
	1997	122,400	20,900	467.00	101,500	275.00	46,700	320.00
	1998	102,600	18,500	533.00	84,100	262.00	40,700	330.00
	1999	85,000	—	—	—	—	33,500	330.00
Avocados ²	89-90	105,000	93,000	2,280.00	12,000	—	—	—
	90-91	136,000	124,000	1,410.00	12,000	—	—	—
	91-92	156,000	143,000	1,170.00	13,000	—	—	—
	92-93	284,000	265,000	400.00	19,000	—	—	—
	93-94	139,000	132,000	1,810.00	7,000	—	—	—
	94-95	155,000	153,500	1,490.00	1,500	—	—	—
	95-96	171,000	169,500	1,380.00	1,500	—	—	—
	96-97	167,000	165,000	1,570.00	2,000	—	—	—
	97-98	154,000	152,500	1,720.00	1,500	—	—	—
	98-99	136,000	136,000	2,400.00	—	—	—	—
Cherries, Sweet ³	1990	22,000	16,300	1,080.00	5,700	352.00	—	—
	1991	36,000	27,000	1,050.00	9,000	667.00	—	—
	1992	31,000	25,500	1,380.00	5,500	573.00	—	—
	1993	19,000	14,500	2,820.00	4,500	514.00	—	—
	1994	52,000	36,000	1,550.00	16,000	482.00	—	—
	1995	19,800	11,000	3,410.00	8,800	458.00	—	—
	1996	24,600	16,000	2,540.00	8,600	557.00	—	—
	1997	49,200	31,600	1,570.00	17,600	782.00	—	—
	1998	15,200	7,500	2,330.00	7,700	784.00	—	—
	1999	79,500	54,200	1,040.00	25,300	494.00	—	—
Dates	1990	24,000	24,000	820.00	—	—	—	—
	1991	22,000	22,000	970.00	—	—	—	—
	1992	21,000	21,000	1,060.00	—	—	—	—
	1993	29,000	29,000	790.00	—	—	—	—
	1994	23,000	23,000	750.00	—	—	—	—
	1995	22,700	22,700	780.00	—	—	—	—
	1996	23,000	23,000	1,090.00	—	—	—	—
	1997	21,000	21,000	1,100.00	—	—	—	—
	1998	24,900	24,900	1,220.00	—	—	—	—
	1999	22,200	22,200	1,240.00	—	—	—	—
Figs ⁴	1990	49,600	1,600	—	48,000	—	—	—
	1991	45,100	1,300	—	43,800	—	—	—
	1992	46,900	1,300	—	45,600	—	—	—
	1993	60,700	2,800	—	57,900	—	—	—
	1994	56,700	2,100	—	54,600	—	—	—
	1995	52,400	2,000	—	50,400	—	—	—
	1996	45,500	2,000	—	43,500	—	—	—
	1997	57,500	2,000	—	55,500	—	—	—
	1998	51,300	1,800	—	49,500	—	—	—
	1999	44,900	2,300	—	42,600	—	—	—

Processing continued

Crop	Crop Year	Juice or Crushed		Frozen		Dried (Fresh Basis)		Dried Basis	
		Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton
Apples ¹	1990	159,000	127.00	—	—	—	—	—	—
	1991	157,500	157.00	—	—	—	—	—	—
	1992	162,500	155.00	—	—	—	—	—	—
	1993	175,000	122.00	—	—	—	—	—	—
	1994	250,000	110.00	—	—	—	—	—	—
	1995	200,000	165.00	—	—	—	—	—	—
	1996	209,000	137.00	—	—	—	—	—	—
	1997	181,000	106.00	—	—	—	—	—	—
	1998	160,000	88.00	—	—	—	—	—	—
	1999	183,500	104.00	—	—	—	—	—	—
Apricots	1990	—	—	11,000	305.00	21,000	287.00	3,050	1,950.00
	1991	—	—	11,000	308.00	17,000	319.00	2,600	2,110.00
	1992	—	—	13,000	319.00	16,000	306.00	2,500	1,960.00
	1993	—	—	11,500	315.00	18,000	353.00	2,730	2,320.00
	1994	—	—	10,500	350.00	30,500	295.00	4,800	1,890.00
	1995	8,500	230.00	5,700	300.00	9,600	321.00	1,480	2,090.00
	1996	21,500	245.00	9,000	310.00	15,000	325.00	2,170	2,240.00
	1997	27,700	190.00	15,100	300.00	12,000	262.00	1,740	1,810.00
	1998	24,000	125.00	10,400	315.00	9,000	258.00	1,250	1,860.00
	1999	13,000	200.00	10,500	315.00	7,000	271.00	1,160	1,634.00
Avocados ²	89-90	—	—	—	—	—	—	—	—
	90-91	—	—	—	—	—	—	—	—
	91-92	—	—	—	—	—	—	—	—
	92-93	—	—	—	—	—	—	—	—
	93-94	—	—	—	—	—	—	—	—
	94-95	—	—	—	—	—	—	—	—
	95-96	—	—	—	—	—	—	—	—
	96-97	—	—	—	—	—	—	—	—
	97-98	—	—	—	—	—	—	—	—
	98-99	—	—	—	—	—	—	—	—
Cherries, Sweet ³	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
	1999	—	—	—	—	—	—	—	—
Dates	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
	1999	—	—	—	—	—	—	—	—
Figs ⁴	1990	—	—	—	—	48,000	320.00	16,000	960.00
	1991	—	—	—	—	43,800	347.00	14,600	1,040.00
	1992	—	—	—	—	45,600	393.00	15,200	1,180.00
	1993	—	—	—	—	57,900	367.00	19,300	1,100.00
	1994	—	—	—	—	54,600	400.00	18,200	1,200.00
	1995	—	—	—	—	50,400	298.00	16,800	895.00
	1996	—	—	—	—	43,500	258.00	14,500	774.00
	1997	—	—	—	—	55,500	233.00	18,500	699.00
	1998	—	—	—	—	49,500	198.00	16,500	594.00
	1999	—	—	—	—	42,600	231.00	14,200	694.00



NON-CITRUS FRUIT UTILIZED PRODUCTION AND AVERAGE GROWER RETURN, 1990–1999 *cont.*



Crop	Crop Year	Utilized Production <i>Short Tons</i>	Fresh Market		Processing			
			Quantity <i>Tons</i>	Value <i>\$/Ton</i>	Total		Canned	
					Quantity <i>Tons</i>	Value <i>\$/Ton</i>	Quantity <i>Tons</i>	Value <i>\$/Ton</i>
Grapes, Raisin ⁵	1990	2,345,000	307,000	513.00	2,038,000	195.00	40,000	235.00
	1991	2,165,000	278,000	547.00	1,887,000	203.00	41,000	249.00
	1992	2,670,000	285,000	374.00	2,385,000	213.00	46,000	260.00
	1993	2,354,000	270,000	630.00	2,084,000	206.00	45,000	256.00
	1994	2,389,000	270,000	472.00	2,119,000	198.00	38,000	256.00
	1995	2,252,000	253,000	579.00	1,999,000	190.00	35,000	257.00
	1996	2,192,000	230,000	669.00	1,962,000	235.00	36,000	267.00
	1997	2,883,000	275,000	759.00	2,608,000	210.00	44,000	268.00
	1998	2,077,000	230,000	715.00	1,847,000	238.00	36,000	270.00
	1999	2,117,000	240,000	704.00	1,877,000	317.00	35,000	270.00
Grapes, Table	1990	645,000	464,000	546.00	181,000	130.00	—	—
	1991	620,000	450,000	549.00	170,000	145.00	—	—
	1992	645,000	415,000	458.00	230,000	172.00	—	—
	1993	632,000	468,000	720.00	164,000	156.00	—	—
	1994	602,000	464,000	628.00	138,000	135.00	—	—
	1995	707,000	523,000	651.00	184,000	161.00	—	—
	1996	592,000	465,000	775.00	127,000	190.00	—	—
	1997	825,000	595,000	554.00	230,000	173.00	—	—
	1998	643,000	489,000	607.00	154,000	155.00	—	—
	1999	757,000	583,000	659.00	174,000	191.00	—	—
Grapes, Wine	1990	2,195,000	50,000	398.00	2,145,000	306.00	—	—
	1991	2,195,000	45,000	360.00	2,150,000	344.00	—	—
	1992	2,145,000	45,000	300.00	2,100,000	395.00	—	—
	1993	2,397,000	36,000	325.00	2,361,000	362.00	—	—
	1994	2,265,000	45,000	471.00	2,220,000	376.00	—	—
	1995	2,275,000	45,000	238.00	2,230,000	428.00	—	—
	1996	2,225,000	45,000	333.00	2,180,000	540.00	—	—
	1997	2,940,000	45,000	250.00	2,895,000	603.00	—	—
	1998	2,570,000	42,000	250.00	2,528,000	586.00	—	—
	1999	2,662,000	45,000	275.00	2,617,000	590.00	—	—
Grapes, All ⁵	1990	5,185,000	821,000	525.00	4,364,000	247.00	40,000	235.00
	1991	4,980,000	773,000	537.00	4,207,000	273.00	41,000	249.00
	1992	5,460,000	745,000	416.00	4,715,000	292.00	46,000	260.00
	1993	5,383,000	774,000	670.00	4,609,000	284.00	45,000	256.00
	1994	5,256,000	779,000	565.00	4,477,000	284.00	38,000	256.00
	1995	5,234,000	821,000	606.00	4,413,000	309.00	35,000	257.00
	1996	5,009,000	740,000	715.00	4,269,000	389.00	36,000	267.00
	1997	6,648,000	915,000	601.00	5,733,000	407.00	44,000	268.00
	1998	5,290,000	761,000	620.00	4,529,000	429.00	36,000	270.00
	1999	5,536,000	868,000	652.00	4,668,000	465.00	35,000	270.00
Kiwifruit ⁶	1990	34,000	34,000	—	—	—	—	—
	1991	26,800	26,800	—	—	—	—	—
	1992	47,700	47,700	—	—	—	—	—
	1993	44,600	44,600	—	—	—	—	—
	1994	37,500	37,500	—	—	—	—	—
	1995	33,600	32,500	—	1,100	—	—	—
	1996	28,000	26,100	—	1,900	—	—	—
	1997	31,800	31,300	—	500	—	—	—
	1998	33,000	32,000	—	1,000	—	—	—
	1999	24,000	23,100	—	900	—	—	—
Nectarines ⁶	1990	232,000	229,500	—	2,500	—	—	—
	1991	215,000	211,000	—	4,000	—	—	—
	1992	236,000	233,000	—	3,000	—	—	—
	1993	205,000	201,000	—	4,000	—	—	—
	1994	242,000	238,000	—	4,000	—	—	—
	1995	176,000	170,000	—	6,000	—	—	—
	1996	247,000	239,800	—	7,200	—	—	—
	1997	264,000	258,500	—	5,500	—	—	—
	1998	224,000	207,600	—	16,400	—	—	—
	1999	274,000	256,300	—	17,700	—	—	—

Processing continued

Crop	Crop Year	Juice or Crushed		Frozen		Dried (Fresh Basis)		Dried Basis	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		Tons	\$/Ton	Tons	\$/Ton	Tons	\$/Ton	Tons	\$/Ton
Grapes, Raisin ⁵	1990	268,000	126.00	—	—	1,730,000	205.00	393,000	903.00
	1991	284,000	150.00	—	—	1,562,000	212.00	345,000	963.00
	1992	785,000	182.00	—	—	1,554,000	228.00	388,300	911.00
	1993	397,000	152.00	—	—	1,642,000	218.00	382,000	937.00
	1994	197,000	118.00	—	—	1,884,000	205.00	418,600	923.00
	1995	432,000	164.00	—	—	1,532,000	196.00	306,400	980.00
	1996	618,000	191.00	—	—	1,308,000	255.00	311,500	1,070.00
	1997	786,000	185.00	—	—	1,778,000	219.00	428,500	908.00
	1998	507,000	164.00	—	—	1,304,000	266.00	277,400	1,250.00
1999	420,000	200.00	—	—	1,422,000	353.00	341,000	1,470.00	
Grapes, Table	1990	170,000	127.00	—	—	11,000	183.00	2,500	805.00
	1991	157,000	141.00	—	—	13,000	194.00	3,000	842.00
	1992	217,000	170.00	—	—	13,000	213.00	3,200	866.00
	1993	137,000	147.00	—	—	27,000	204.00	6,300	874.00
	1994	123,000	136.00	—	—	15,000	125.00	3,400	550.00
	1995	170,000	162.00	—	—	14,000	150.00	2,800	750.00
	1996	117,000	188.00	—	—	10,000	210.00	2,400	880.00
	1997	212,000	169.00	—	—	18,000	220.00	4,300	914.00
	1998	136,000	150.00	—	—	18,000	197.00	3,800	933.00
1999	150,000	187.00	—	—	24,000	218.00	5,800	900.00	
Grapes, Wine	1990	2,145,000	306.00	—	—	—	—	—	—
	1991	2,150,000	344.00	—	—	—	—	—	—
	1992	2,100,000	395.00	—	—	—	—	—	—
	1993	2,361,000	362.00	—	—	—	—	—	—
	1994	2,220,000	376.00	—	—	—	—	—	—
	1995	2,230,000	428.00	—	—	—	—	—	—
	1996	2,180,000	540.00	—	—	—	—	—	—
	1997	2,895,000	603.00	—	—	—	—	—	—
	1998	2,528,000	586.00	—	—	—	—	—	—
1999	2,617,000	590.00	—	—	—	—	—	—	
Grapes, All ⁵	1990	2,583,000	276.00	—	—	1,741,000	205.00	395,500	902.00
	1991	2,591,000	310.00	—	—	1,575,000	212.00	348,000	962.00
	1992	3,102,000	325.00	—	—	1,567,000	228.00	391,500	911.00
	1993	2,895,000	323.00	—	—	1,669,000	218.00	388,300	936.00
	1994	2,540,000	344.00	—	—	1,899,000	204.00	422,000	920.00
	1995	2,832,000	372.00	—	—	1,546,000	196.00	309,200	978.00
	1996	2,915,000	452.00	—	—	1,318,000	255.00	313,900	1,070.00
	1997	3,893,000	495.00	—	—	1,796,000	219.00	432,800	908.00
	1998	3,171,000	500.00	—	—	1,322,000	265.00	281,200	1,250.00
1999	3,187,000	520.00	—	—	1,446,000	351.00	346,800	1,460.00	
Kiwifruit ⁶	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
1999	—	—	—	—	—	—	—	—	
Nectarines ⁶	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
1999	—	—	—	—	—	—	—	—	



NON-CITRUS FRUIT UTILIZED PRODUCTION AND AVERAGE GROWER RETURN, 1990–1999 *cont.*



Crop	Crop Year	Utilized Production Short Tons	Fresh Market		Processing			
			Quantity Tons	Value \$/Ton	Total		Canned	
					Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton
Olives ⁷	1990	131,500	500	500.00	131,000	423.00	88,000	553.00
	1991	65,000	500	500.00	64,500	559.00	53,700	631.00
	1992	165,000	500	500.00	164,500	549.00	121,000	676.00
	1993	122,000	500	500.00	121,500	467.00	93,000	558.00
	1994	84,000	500	500.00	83,500	464.00	66,500	551.00
	1995	77,500	500	500.00	77,000	647.00	58,500	779.00
	1996	166,000	500	500.00	165,500	617.00	123,000	745.00
	1997	104,000	500	500.00	103,500	643.00	82,200	760.00
	1998	90,000	500	500.00	89,500	459.00	64,200	590.00
	1999	145,000	500	500.00	144,500	452.00	—	—
Peaches, Clingstone ⁸	1990	477,500	—	—	477,500	214.00	477,500	214.00
	1991	485,000	—	—	485,000	218.00	485,000	218.00
	1992	558,500	—	—	558,500	215.00	518,500	219.00
	1993	518,500	—	—	518,500	218.00	485,500	224.00
	1994	541,500	—	—	541,500	180.00	493,500	189.00
	1995	410,500	—	—	410,500	213.00	381,500	220.00
	1996	520,500	—	—	520,500	219.00	480,500	220.00
	1997	550,000	—	—	550,000	260.00	529,000	264.00
	1998	515,350	—	—	515,350	219.00	469,500	230.00
	1999	514,400	—	—	514,400	225.00	476,200	232.00
Peaches, Freestone ^{8,9}	1990	300,000	192,000	434.00	108,000	174.00	19,600	204.00
	1991	313,500	201,000	314.00	112,500	176.00	18,700	217.00
	1992	321,000	215,000	286.00	106,000	170.00	15,400	213.00
	1993	301,500	193,000	370.00	108,500	172.00	14,700	196.00
	1994	317,000	220,000	232.00	97,000	174.00	15,100	205.00
	1995	251,000	161,300	482.00	89,700	172.00	11,000	190.00
	1996	337,000	229,350	560.00	107,650	166.00	9,100	204.00
	1997	369,500	249,050	276.00	120,450	194.00	10,650	246.00
	1998	340,500	215,800	396.00	124,700	186.00	12,750	215.00
	1999	381,500	254,150	396.00	127,350	190.00	10,800	216.00
Peaches, All ^{8,9}	1990	777,500	192,000	434.00	585,500	207.00	497,100	214.00
	1991	798,500	201,000	314.00	597,500	210.00	503,700	218.00
	1992	879,500	215,000	286.00	664,500	208.00	533,900	219.00
	1993	820,000	193,000	370.00	627,000	210.00	500,200	223.00
	1994	858,500	220,000	232.00	638,500	179.00	508,600	189.00
	1995	661,500	161,300	482.00	500,200	206.00	392,500	219.00
	1996	857,500	229,350	560.00	628,150	210.00	489,600	220.00
	1997	919,500	249,050	276.00	670,450	248.00	539,650	264.00
	1998	855,850	215,800	396.00	640,050	213.00	482,250	230.00
	1999	895,900	254,150	396.00	641,750	218.00	487,000	232.00
Pears, Bartlett ^{8,9}	1990	314,000	75,000	285.00	239,000	228.00	—	—
	1991	300,000	72,000	284.00	228,000	242.00	—	—
	1992	315,000	63,000	238.00	252,000	238.00	—	—
	1993	288,000	61,000	271.00	227,000	228.00	—	—
	1994	333,000	88,000	113.00	245,000	208.00	—	—
	1995	247,000	60,000	254.00	187,000	199.00	—	—
	1996	287,000	77,000	362.00	210,000	232.00	—	—
	1997	282,000	68,000	318.00	214,000	247.00	—	—
	1998	277,000	53,000	309.00	224,000	231.00	—	—
	1999	311,000	84,000	143.00	227,000	232.00	—	—
Pears, Other ⁶	1990	18,000	—	—	—	—	—	—
	1991	17,000	—	—	—	—	—	—
	1992	23,000	—	—	—	—	—	—
	1993	20,000	—	—	—	—	—	—
	1994	30,000	—	—	—	—	—	—
	1995	20,000	—	—	—	—	—	—
	1996	30,000	—	—	—	—	—	—
	1997	30,000	—	—	—	—	—	—
	1998	30,000	—	—	—	—	—	—
	1999	30,000	—	—	—	—	—	—

Processing continued

Crop	Crop Year	Juice or Crushed		Frozen		Dried (Fresh Basis)		Dried Basis	
		Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton
Olives ⁷	1990	5,000	10.90	22,000	295.00	16,000	13.90	—	—
	1991	1,800	10.30	7,300	291.00	1,700	23.90	—	—
	1992	5,700	10.50	31,500	266.00	6,300	10.50	—	—
	1993	5,300	10.50	19,700	235.00	3,500	37.20	—	—
	1994	4,400	11.00	8,400	234.00	4,200	14.00	—	—
	1995	4,000	11.00	9,300	443.00	5,200	16.00	—	—
	1996	7,000	11.00	29,000	355.00	6,500	11.00	—	—
	1997	3,600	11.00	10,200	386.00	7,500	11.00	—	—
	1998	4,100	11.00	12,800	240.00	8,400	11.00	—	—
	1999	—	—	—	—	—	—	—	—
Peaches, Clingstone ⁸	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
	1999	—	—	—	—	—	—	—	—
Peaches, Freestone ^{8,9}	1990	—	—	74,850	178.00	13,550	108.00	1,500	975.00
	1991	—	—	71,600	183.00	22,200	116.00	2,400	1,080.00
	1992	—	—	70,400	182.00	20,200	93.00	2,100	893.00
	1993	—	—	78,800	185.00	15,000	82.00	1,850	713.00
	1994	—	—	68,400	183.00	13,500	93.00	1,450	856.00
	1995	—	—	63,700	186.00	14,000	86.00	1,550	894.00
	1996	—	—	77,850	186.00	16,350	78.00	1,700	726.00
	1997	—	—	89,450	190.00	17,050	68.00	1,894	612.00
	1998	—	—	81,900	200.00	12,500	67.50	1,551	544.50
	1999	—	—	87,100	201.00	15,700	73.00	1,849	619.50
Peaches, All ^{8,9}	1990	—	—	74,850	178.00	13,550	108.00	1,500	975.00
	1991	—	—	71,600	183.00	22,200	116.00	2,400	1,080.00
	1992	—	—	70,400	182.00	20,200	93.00	2,100	893.00
	1993	—	—	78,800	185.00	15,000	82.00	1,850	713.00
	1994	—	—	68,400	183.00	13,500	93.00	1,450	856.00
	1995	—	—	63,700	186.00	14,000	86.00	1,550	894.00
	1996	—	—	77,850	186.00	16,350	78.00	1,700	726.00
	1997	—	—	89,450	190.00	17,050	68.00	1,894	612.00
	1998	—	—	81,900	200.00	12,500	67.50	1,551	544.50
	1999	—	—	87,100	201.00	15,700	73.00	1,849	619.50
Pears, Bartlett ^{8,9}	1990	—	—	—	—	7,600	126.00	1,270	756.00
	1991	—	—	—	—	9,300	150.00	1,550	900.00
	1992	—	—	—	—	9,900	171.00	1,500	1,130.00
	1993	—	—	—	—	9,700	149.00	1,500	970.00
	1994	—	—	—	—	8,000	152.00	1,300	942.00
	1995	—	—	—	—	4,900	150.00	800	919.00
	1996	—	—	—	—	4,900	184.00	700	1,290.00
	1997	—	—	—	—	5,400	151.00	800	1,020.00
	1998	—	—	—	—	7,600	217.00	1,100	1,500.00
	1999	—	—	—	—	7,000	150.00	1,010	1,040.00
Pears, Other ⁶	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
	1999	—	—	—	—	—	—	—	—



NON-CITRUS FRUIT UTILIZED PRODUCTION AND AVERAGE GROWER RETURN, 1990–1999 *cont.*



Crop	Crop Year	Utilized Production <i>Short Tons</i>	Fresh Market		Processing			
			Quantity <i>Tons</i>	Value <i>\$/Ton</i>	Total		Canned	
					Quantity <i>Tons</i>	Value <i>\$/Ton</i>	Quantity <i>Tons</i>	Value <i>\$/Ton</i>
Pears, All ⁶	1990	332,000	—	—	—	—	—	—
	1991	317,000	—	—	—	—	—	—
	1992	338,000	—	—	—	—	—	—
	1993	308,000	—	—	—	—	—	—
	1994	363,000	—	—	—	—	—	—
	1995	267,000	—	—	—	—	—	—
	1996	317,000	—	—	—	—	—	—
	1997	312,000	—	—	—	—	—	—
	1998	307,000	—	—	—	—	—	—
	1999	341,000	—	—	—	—	—	—
Plums ⁶	1990	223,000	—	—	—	—	—	—
	1991	218,000	—	—	—	—	—	—
	1992	250,000	—	—	—	—	—	—
	1993	185,000	—	—	—	—	—	—
	1994	247,000	—	—	—	—	—	—
	1995	124,000	—	—	—	—	—	—
	1996	228,000	—	—	—	—	—	—
	1997	246,000	—	—	—	—	—	—
	1998	188,000	—	—	—	—	—	—
	1999	196,000	—	—	—	—	—	—
Prunes, Dried Basis	1990	147,000	—	—	147,000	873.00	—	—
	1991	187,000	—	—	187,000	940.00	—	—
	1992	184,000	—	—	184,000	1,030.00	—	—
	1993	121,000	—	—	121,000	1,120.00	—	—
	1994	193,000	—	—	193,000	1,090.00	—	—
	1995	181,000	—	—	181,000	1,040.00	—	—
	1996	223,000	—	—	223,000	839.00	—	—
	1997	205,000	—	—	205,000	883.00	—	—
	1998	103,000	—	—	103,000	764.00	—	—
	1999	165,000	—	—	165,000	906.00	—	—

¹ Dried and frozen fruit included in total processed to avoid disclosure of individual operations.
² Processed fruit included in fresh market total to avoid disclosure of individual operations.
³ Total processed includes canned, crushed, frozen and brined.
⁴ Prices for processing and fresh totals were not published to avoid disclosure of individual operations. Small quantities processed included in fresh to avoid disclosure of individual operations.
⁵ Includes substandard raisins diverted to other uses.
⁶ Processed and fresh fruit not published to avoid disclosure of individual operations, but included in total utilized.
⁷ The breakdown of the 1999 processed utilization was not published to avoid disclosure of individual operations.
⁸ Processed mostly canned, but includes other small quantities not published separately to avoid disclosure of individual operations.
⁹ Total processing value per ton excludes dried processing.

Processing continued

Crop	Crop Year	Juice or Crushed		Frozen		Dried (Fresh Basis)		Dried Basis	
		Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton	Quantity Tons	Value \$/Ton
Pears, All ⁶	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
	1999	—	—	—	—	—	—	—	—
Plums ⁶	1990	—	—	—	—	—	—	—	—
	1991	—	—	—	—	—	—	—	—
	1992	—	—	—	—	—	—	—	—
	1993	—	—	—	—	—	—	—	—
	1994	—	—	—	—	—	—	—	—
	1995	—	—	—	—	—	—	—	—
	1996	—	—	—	—	—	—	—	—
	1997	—	—	—	—	—	—	—	—
	1998	—	—	—	—	—	—	—	—
	1999	—	—	—	—	—	—	—	—
Prunes, Dried Basis	1990	—	—	—	—	463,100	266.00	147,000	873.00
	1991	—	—	—	—	589,000	298.00	187,000	940.00
	1992	—	—	—	—	534,000	355.00	184,000	1,030.00
	1993	—	—	—	—	375,000	374.00	121,000	1,120.00
	1994	—	—	—	—	594,000	354.00	193,000	1,090.00
	1995	—	—	—	—	597,300	320.00	181,000	1,040.00
	1996	—	—	—	—	704,000	262.00	223,000	839.00
	1997	—	—	—	—	627,300	289.00	205,000	883.00
	1998	—	—	—	—	329,600	239.00	103,000	764.00
	1999	—	—	—	—	478,500	312.00	165,000	906.00



NUT ACREAGE, PRODUCTION AND VALUE, 1990-1999

Crop	Crop Year	Production						Value Per Unit \$/Pound	Total Value \$1,000
		Bearing Acres	Non-Bearing Acres	Yield Per Acre Pounds	Marketable In-Shell 1,000 Pounds	Shelling Stock 1,000 Pounds	Total 1,000 Pounds		
Almonds ^{1,2} (Shelled Basis)	1990	411,000	32,400	1,610	—	—	660,000	0.93	597,990
	1991	405,000	33,000	1,210	—	—	490,000	1.19	564,179
	1992	401,000	33,600	1,370	—	—	548,000	1.30	691,340
	1993	413,000	33,400	1,190	—	—	490,000	1.94	930,618
	1994	433,000	46,500	1,700	—	—	735,000	1.34	965,202
	1995	418,000	65,700	885	—	—	370,000	2.48	880,896
	1996	428,000	72,400	1,190	—	—	510,000	2.08	1,018,368
	1997	442,000	63,000	1,720	—	—	759,000	1.56	1,160,640
	1998	460,000	113,000	1,130	—	—	520,000	1.41	703,590
	1999	480,000	105,000	1,730	—	—	830,000	0.87	693,216
Pecans (In-Shell Basis)	1990	2,600	600	1,080	—	—	2,800	1.25	3,500
	1991	2,500	600	920	—	—	2,300	1.32	3,036
	1992	2,600	600	1,000	—	—	2,600	1.60	4,160
	1993	2,500	500	1,200	—	—	3,000	0.96	2,880
	1994	2,600	N/A	577	—	—	1,500	1.16	1,740
	1995	2,600	N/A	1,120	—	—	2,900	1.28	3,712
	1996	2,500	N/A	520	—	—	1,300	0.83	1,079
	1997	2,600	N/A	962	—	—	3,000	1.32	3,960
	1998	2,600	N/A	654	—	—	1,700	1.66	2,822
	1999	2,600	N/A	923	—	—	1,900	1.27	2,413
Pistachios (In-Shell Basis)	1990	53,700	12,300	2,230	94,600	25,400	120,000	1.02	122,400
	1991	55,700	13,300	1,380	59,000	18,000	77,000	1.25	96,250
	1992	56,500	13,900	2,600	114,500	32,500	147,000	1.03	151,410
	1993	57,000	15,700	2,670	113,000	39,000	152,000	1.07	162,640
	1994	57,500	16,600	2,240	94,600	34,400	129,000	0.92	118,809
	1995	60,300	13,400	2,450	107,500	40,500	148,000	1.09	161,320
	1996	64,300	15,000	1,630	85,000	20,000	105,000	1.16	121,800
	1997	65,400	17,100	2,750	137,000	43,000	180,000	1.13	203,400
	1998	68,000	—	2,760	138,000	50,000	188,000	1.03	193,640
	1999	71,000	—	1,730	105,000	18,000	123,000	1.31	161,130
Walnuts ² (In-Shell Basis)		<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>\$/Ton</i>	<i>\$1,000</i>
	1990	181,000	17,700	1.25	—	—	227,000	1,040.00	236,080
	1991	181,000	16,600	1.43	—	—	259,000	1,060.00	274,540
	1992	178,000	17,200	1.14	—	—	203,000	1,410.00	286,230
	1993	185,000	20,000	1.41	—	—	260,000	1,390.00	361,400
	1994	189,000	25,600	1.23	—	—	232,000	1,030.00	238,960
	1995	193,000	23,300	1.21	—	—	234,000	1,400.00	327,600
	1996	192,000	23,200	1.08	—	—	208,000	1,580.00	328,640
	1997	193,000	20,900	1.39	—	—	269,000	1,430.00	384,670
	1998	193,000	28,000	1.18	—	—	227,000	1,050.00	238,350
1999	191,000	29,000	1.48	—	—	283,000	810.00	229,230	

¹ Values are based on edible portion of the crop only. Included in production are inedible quantities of no value as follows: 1990 – 17.0 million pounds, 1991 – 15.9 million pounds, 1992 – 16.2 million pounds, 1993 – 10.3 million pounds, 1994 – 14.7 million pounds, 1995 – 14.8 million pounds, 1996 – 20.4 million pounds, 1997 – 15.0 million pounds, 1998 – 21.0 million pounds, 1999 – 33.2 million pounds.

² Data for 1999 acreage by county, variety and year of planting available upon request.



RAISIN PRODUCTION AND AVERAGE GROWER RETURN, 1990–1999 ¹

Crop	Crop Year	All Varieties	Naturally Dried		Naturally Dried Oleate ²	Dehydrated, All Types		
			Thompson Seedless	Muscats		Sultanas	Zante Currant	
Production ³								
<i>Tons</i>								
	1990	393,000	357,400	600	—	250	4,450	30,300
	1991	345,000	313,500	230	—	270	4,200	26,800
	1992	388,300	346,850	50	—	280	4,720	36,400
	1993	382,000	338,000	170	—	330	5,700	37,800
	1994	418,600	378,400	230	400	270	5,400	33,900
	1995	306,400	264,800	150	300	130	2,820	38,200
	1996	311,500	272,100	130	810	140	4,520	33,800
	1997	428,500	382,500	80	1,100	200	4,820	39,800
	1998	277,400	240,500	30	580	120	3,770	32,400
	1999	341,000	—	—	—	—	—	—
Average Grower Return ³								
<i>Dollars/Ton</i>								
	1990	903	884	730	—	799	1,290	1,070
	1991	963	943	749	—	813	1,400	1,130
	1992	911	873	800	—	825	1,560	1,190
	1993	937	908	1,080	—	817	1,260	1,150
	1994	923	908	1,000	970	773	1,000	1,080
	1995	980	947	935	978	733	871	1,220
	1996	1,070	1,050	1,000	943	823	1,180	1,250
	1997	908	881	1,000	1,100	842	658	1,190
	1998	1,250	1,240	700	1,280	818	994	1,360
	1999	1,470	—	—	—	—	—	—

¹ Excludes raisins produced from table type grapes.

² Miscellaneous seedless grapes with Oleate applied.

³ Missing 1999 data will be available by the end of January 2001.





“From Governor Gray Davis’ office, through the CDFA and then, to the local Ag Commissioners, you all responded with a well-coordinated and well-funded effort. Thank you.”

—Vaughn Koligian, Chief Executive Officer
Raisin Bargaining Association
[Regarding glassy-winged sharpshooter and Pierce’s disease]

Grape Crush Report



The Final California Grape Crush Report includes all grape tonnage crushed during the 1999 season. Details of the crushed tonnage, degrees Brix, and weighted average prices were reported by grape type and variety as well as by grape pricing districts. The 17 districts refer to the area in which grapes were grown as defined in administrative code.

Summary of Grape Tonnages and Prices

The 1999 crush totaled 3,185,463 tons, up approximately 0.5 percent from the 1998 crush of 3,168,568 tons. Red wine varieties accounted for the largest share of all grapes crushed, at 1,421,758 tons, up 7 percent from 1998. The 1999 white wine variety crush totaled 1,195,073 tons, up slightly from 1998. Tons crushed of raisin varieties totaled 419,362, down 17 percent from 1998, while tons crushed of table varieties totaled 149,269, up 10 percent from 1998.

Beginning with the 1999 season, the Final Grape Crush Report includes the total number of tons crushed that will be marketed as grape concentrate. In determining grape tonnage crushed for concentrate production, each processor was required to report the estimated equivalent tons of grapes crushed that are expected to be marketed as grape

concentrate. For the 1999 season, this total was 762,171 tons, nearly one-quarter of the 1999 grape crush total. This report provides the aggregate figure of grapes crushed for concentrate production and shall not include information by district, type or variety.

California grape growers received prices in 1999 that were, on average, slightly above the 1998 prices. The 1999 average price of all varieties was \$524.83, up 5 percent from 1998.

AVERAGE PRICES FOR THE 1999 CROP BY TYPE WERE AS FOLLOWS:

Red wine grapes	\$648.71, up slightly
White wine grapes.	\$518.32, down slightly
Raisin grapes	\$200.32, up 22%
Table grapes	\$187.15, up 24%

These price levels have not been adjusted for inflation.

Leading Grape Varieties and Districts

In 1999, Chardonnay accounted for the largest percentage of crush volume at 14 percent. Thompson Seedless accounted for the second leading percentage of crush with 13 percent of the total. The remaining top 10 were all wine varieties.

Grapes produced in District 4 (Napa County) received the highest average price of \$2,142.55 per ton, up 12 percent from 1998. District 3 (Sonoma and Marin counties) received the second highest return of \$1,880.89, up 8 percent from 1998.

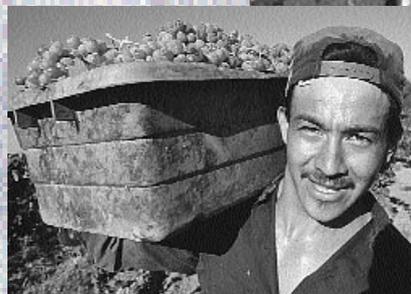
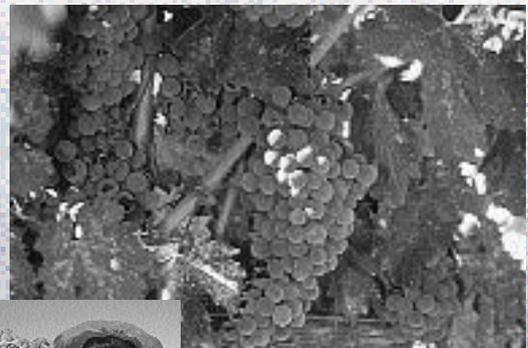
Of grapes grown statewide, the top five varieties receiving the highest average price were all wine grape varieties.

TOP 5 VARIETIES RECEIVING THE HIGHEST AVERAGE PRICE PER TON:

1 Scheurebe	\$2,629.89 [*]
2 Petite Verdot.	\$2,159.75
3 Teroldego	\$1,905.04 [*]
4 Negrette	\$1,847.38 [*]
5 Malbec	\$1,772.21

The 1999 Chardonnay price of \$995.68 was down 8 percent from 1998, and the 1999 Cabernet Sauvignon price of \$1,063.60 was down 10 percent from 1998. The 1999 average price for Zinfandel grapes increased to \$494.23, which is 7 percent higher than 1998.

^{*} These purchases involved less than 100 tons.



GRAPE CRUSH TONNAGE AND PRICE, 1988–1999

Crop Year	Raisin Type		Table Type		Red Wine Type		White Wine Type		All Types	
	Tons 1,000	Price \$	Tons 1,000	Price \$	Tons 1,000	Price \$	Tons 1,000	Price \$	Tons 1,000	Price \$
1988	415	116	312	131	760	409	1,356	238	2,843	253
1989	370	132	211	128	872	410	1,272	297	2,725	297
1990	268	126	170	127	804	355	1,331	277	2,573	276
1991	284	150	157	141	840	383	1,289	319	2,570	310
1992	785	182	217	170	888	438	1,209	364	3,099	325
1993	452	152	137	147	979	430	1,327	316	2,895	323
1994	239	118	123	136	936	462	1,242	317	2,540	344
1995	432	164	170	162	1,052	515	1,175	351	2,829	372
1996	618	191	117	188	1,079	611	1,094	469	2,908	452
1997	786	185	212	169	1,461	656	1,433	546	3,891	497
1998	506	164	135	150	1,333	643	1,194	521	3,169	502
1999	419	200	149	187	1,422	649	1,195	518	3,185	525

Source: California Agricultural Statistics Service

GRAPE CRUSH TOTALS BY TYPE AND VARIETY, 1998–1999

Type and Variety	Total Tons Crushed		Average Brix Crushed		Total Tons Purchased		Average Brix Purchased		Wtd. Average Dollars Per Ton	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
Raisin Grapes										
Black Corinth (Zantes)	1,568.8	1,384.4	22.5	20.4	1,534.0	1,375.3	22.4	20.4	201.24	141.54
Canner	817.9	866.1	15.6	16.0	817.9	866.1	15.6	15.0	30.00	30.00
Fiesta	13,439.8	12,948.5	22.5	20.1	13,390.2	12,911.8	22.5	20.1	202.68	165.00
Sultanas	121.7	88.7	18.3	18.4	118.4	86.6	18.9	18.8	196.51	168.97
Thompson Seedless	403,005.1	489,010.3	21.2	20.5	328,744.7	425,767.1	21.2	20.5	200.66	164.48
Packinghouse Culls	318.1	0.0	20.9	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Other Raisin ¹	91.0	1,797.2	21.6	21.4	91.0	1,785.4	21.6	21.5	129.56	145.39
Total Raisin	419,362.4	506,095.2	21.3	20.5	344,696.2	442,792.3	21.2	20.5	200.32	164.09
Table Grapes										
Almeria	18.2	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Beauty Slids/Blk Beauty	72.1	7.8	22.2	19.2	55.4	0.0	22.9	0.0	185.00	0.00
Black Hamburg	0.2	0.3	29.1	23.2	0.0	0.0	0.0	0.0	0.00	0.00
Black Monukka	106.2	232.7	21.7	20.3	105.7	231.9	21.8	20.4	186.24	143.06
Black Prince/Rose Of Peru	11.4	26.3	21.6	24.0	11.4	25.9	21.6	24.1	600.00	420.46
Black Seedless	499.0	1,070.1	22.7	21.6	0.0	63.9	0.0	20.3	0.00	131.95
Blackrose	12.5	0.0	17.5	0.0	12.5	0.0	17.5	0.0	160.00	0.00
Calmeria	1,615.7	952.2	21.2	20.6	104.9	119.8	21.6	19.7	194.40	129.41
Cardinal	118.7	172.4	20.6	18.7	0.0	94.5	0.0	20.9	0.00	135.85
Christmas Rose	1,682.9	1,199.8	22.3	21.6	400.9	129.9	22.5	21.3	157.27	144.47
Concord	157.5	0.0	19.4	0.0	156.5	0.0	19.3	0.0	300.00	0.00
Crimson	1,593.5	712.0	20.4	18.2	243.1	389.8	20.9	18.1	149.39	138.11
Emperatriz	695.2	804.3	20.2	20.5	217.4	136.9	20.2	21.2	161.60	162.09
Emperor	4,503.7	1,713.5	20.6	18.8	3,744.1	953.9	20.9	17.4	174.11	113.72
Exotic	891.4	1,064.1	20.6	19.5	315.9	227.3	21.2	20.0	160.89	126.69
Fantasy	209.8	231.0	21.6	21.0	0.0	38.2	0.0	24.0	0.00	153.95
Flame Seedless	31,247.6	24,105.5	22.2	21.8	13,320.8	12,478.5	22.0	21.9	198.24	146.06
Flame Tokay	12,943.5	18,099.3	17.2	16.5	12,611.3	18,098.1	17.1	16.5	179.79	184.08
Flaming Red	0.0	45.4	0.0	20.6	0.0	0.0	0.0	0.0	0.00	0.00
Golden Muscat	0.0	1,045.0	0.0	22.1	0.0	0.0	0.0	0.0	0.00	0.00
Italia	367.7	307.3	20.8	21.3	79.7	71.6	19.9	21.9	177.98	142.35
Jade Seedless	176.0	66.6	20.9	21.0	0.0	0.0	0.0	0.0	0.00	0.00
Majestic	0.0	124.9	0.0	17.8	0.0	0.0	0.0	0.0	0.00	0.00



GRAPE CRUSH TOTALS BY TYPE AND VARIETY, 1998-1999 *continued*

Type and Variety	Total Tons Crushed		Average Brix Crushed		Total Tons Purchased		Average Brix Purchased		Wtd. Average Dollars Per Ton	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
Table Grapes continued										
Marroo	274.3	372.6	21.9	21.2	272.3	371.3	22.1	21.2	195.34	144.26
Niabell	95.9	0.0	19.7	0.0	95.9	0.0	19.7	0.0	196.83	0.00
Olivette Blanche/Ldy Fngr	3.9	0.0	19.6	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Perlette	233.6	937.3	21.5	20.6	0.0	528.0	0.0	20.6	0.00	129.66
Queen	220.7	59.0	22.0	20.5	107.7	20.7	22.1	18.8	193.50	162.42
Red Globe/Rose-Ito	22,019.1	17,520.7	19.8	19.6	6,392.6	3,441.2	20.2	19.6	172.27	133.69
Red Malaga	16.9	16.5	21.4	20.0	16.9	16.5	21.4	20.0	149.80	105.00
Red Seedless	3,499.3	2,926.0	20.9	20.1	586.1	1,055.4	22.3	19.8	176.83	128.60
Ribier	3,929.6	2,513.3	19.4	19.1	1,630.6	748.5	18.8	18.9	145.27	141.99
Rogue	2,323.9	1,287.6	20.1	21.2	2.8	0.0	20.7	0.0	186.30	0.00
Ruby Seedless/King Ruby	10,478.2	8,574.6	22.5	21.4	7,616.1	3,091.3	22.3	21.9	194.55	147.34
Superior Seedless	682.7	1,656.7	19.1	19.7	682.7	1,656.7	19.1	19.7	171.90	128.05
White Malaga	6,848.6	6,637.1	20.3	19.3	5,228.4	5,259.0	20.2	19.3	182.53	167.61
Packinghouse Culls	358.6	567.5	20.2	20.0	10.7	0.0	21.0	0.0	45.00	0.00
Other Table ¹	41,361.3	40,367.9	22.1	21.2	40,945.7	37,225.5	22.1	21.2	190.88	138.09
Total Table	149,269.4	135,417.3	21.1	20.2	94,968.1	86,474.3	21.1	20.0	187.15	150.36
Wine Grapes (White)										
Burger	37,797.6	23,562.5	16.1	15.4	32,258.2	18,532.1	16.0	15.3	178.85	183.93
Catarratto	0.0	22.8	0.0	22.2	0.0	2.8	0.0	23.0	0.00	1,355.00
Chardonnay	458,273.0	428,827.2	23.5	22.8	336,302.8	309,171.7	23.6	22.8	995.68	1,087.86
Chenin Blanc	139,380.7	155,977.4	20.7	19.4	130,200.9	149,146.6	20.3	19.3	242.41	237.97
Cortese	10.0	5.1	22.5	22.0	0.0	0.0	0.0	0.0	0.00	0.00
Emerald Riesling	2,975.0	3,485.1	21.8	21.0	2,940.8	3,358.5	21.9	21.3	185.90	187.26
Flora	39.3	40.7	21.5	21.5	13.0	35.5	21.8	21.7	700.00	1,199.28
Folle Blanche	13.9	11.2	21.6	24.1	0.0	0.0	0.0	0.0	0.00	0.00
French Colombard	396,500.5	392,753.3	21.0	19.7	364,688.6	367,582.1	21.0	19.7	198.37	184.92
Gewurztraminer	5,148.2	4,277.4	23.2	23.0	3,515.2	3,111.0	22.6	22.4	991.49	959.66
Gray Riesling	249.7	202.8	20.4	21.8	170.7	152.9	20.4	22.6	624.72	731.04
Greco	0.0	2.7	0.0	21.6	0.0	0.0	0.0	0.0	0.00	0.00
Green Hungarian	184.7	190.3	18.5	17.9	127.8	132.3	19.0	18.0	229.22	210.00
Inzolia	1.7	2.3	22.3	23.0	0.0	0.0	0.0	0.0	0.00	0.00
Kleinberger	3.9	5.1	21.2	21.1	3.9	5.1	21.2	21.1	1,000.00	1,078.43
Malvasia Bianca	9,871.5	18,641.2	20.2	20.4	6,748.5	11,868.5	19.4	20.3	282.21	259.02
Marsanne	217.6	188.6	22.9	23.2	131.4	87.6	22.5	23.3	1,501.01	1,376.62
Melon	42.6	14.2	23.4	22.7	42.6	14.2	23.4	22.7	1,328.67	1,350.00
Montonico	8.4	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Muscadelle	4.6	2.5	23.9	20.6	4.6	2.5	23.9	20.6	1,250.00	1,000.00
Muscat Blanc/M Canelli	5,980.5	6,637.1	22.7	22.1	5,365.4	5,774.7	22.5	22.2	488.09	500.90
Muscat Of Alexandria	39,879.6	54,263.4	22.4	21.6	38,412.2	52,927.9	22.3	21.7	234.69	223.16
Muscat Orange	546.0	549.3	23.2	22.6	420.1	380.9	23.3	22.5	697.36	666.49
Palomino/G Chasselas	5,598.7	6,659.0	20.9	19.8	5,547.3	6,515.3	20.9	20.0	196.00	176.99
Pedro Ximenes	18.8	0.0	18.9	0.0	18.8	0.0	18.9	0.0	325.00	0.00
Pinot Blanc	2,751.6	2,464.3	21.9	22.3	1,697.3	1,824.1	21.9	22.3	1,293.00	1,123.61
Pinot Gris	3,473.0	1,237.2	22.5	22.8	2,671.3	970.6	22.3	22.8	1,015.67	1,226.86
Rousanne	222.2	139.7	24.0	22.8	106.7	101.3	24.2	22.0	1,625.96	1,436.71
Sauvignon Blanc	52,934.1	61,547.7	22.7	21.9	43,366.4	47,706.4	22.8	22.0	800.10	827.14
Sauvignon Musque	269.6	142.8	23.7	22.1	158.0	138.0	23.7	22.1	1,375.09	1,271.71
Sauvignon Vert	13.6	18.9	22.4	21.0	10.2	13.1	22.3	20.6	650.98	605.63
Scheurebe	23.1	16.8	21.9	21.9	0.9	0.0	20.2	0.0	2,629.89	0.00
Semillon	8,996.8	7,872.5	21.9	20.8	7,307.4	6,047.3	21.5	20.7	544.34	573.84
St. Emilion (Ugni Blanc)	1,793.4	2,118.8	19.2	19.7	1,774.0	2,098.8	19.2	19.6	213.55	205.85
Sylvaner	114.9	83.3	19.6	19.1	34.1	78.9	22.2	18.9	851.48	350.00
Symphony	6,467.1	6,235.4	23.1	20.8	6,329.6	6,183.3	23.0	20.8	305.96	302.66
Tocai Friulano	47.4	412.4	23.6	20.5	47.4	90.8	23.6	23.5	1,514.60	1,430.40
Vernaccia	8.5	5.7	23.4	20.8	0.6	4.2	23.8	20.0	1,500.00	1,500.00
Viognier	4,980.5	2,719.7	24.6	23.8	3,207.4	1,567.1	24.0	23.5	1,011.69	1,335.93



GRAPE CRUSH TOTALS BY TYPE AND VARIETY, 1998-1999 *continued*



Type and Variety	Total Tons Crushed		Average Brix Crushed		Total Tons Purchased		Average Brix Purchased		Wtd. Average Dollars Per Ton	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
	Wine Grapes (White) continued									
White Riesling	7,759.7	9,946.2	21.4	22.0	5,582.7	7,256.2	21.5	22.0	861.43	820.67
Other White ¹	2,471.2	2,666.5	20.6	20.7	1,514.0	2,496.7	20.8	20.8	231.33	194.00
Total White	1,195,073.2	1,193,949.1	22.0	21.0	1,000,720.8	1,005,379.0	21.8	20.8	518.32	521.04
Wine Grapes (Red)										
Aglianico	21.6	6.8	23.6	23.9	5.8	1.1	23.5	18.1	1,200.00	1,103.33
Aleatico	128.2	170.7	23.9	22.8	126.6	154.6	23.8	22.5	562.60	453.93
Alicante Bouschet	4,695.2	2,448.0	21.1	20.7	4,567.8	2,399.1	21.1	20.4	326.65	346.92
Alvarelhao	46.0	18.7	23.1	22.5	30.7	8.3	23.1	22.2	518.42	829.86
Barbera	104,539.5	100,726.3	23.2	22.6	96,419.7	92,854.8	23.1	22.6	267.18	307.32
Black Malvoisie	466.0	459.8	19.9	20.8	466.0	459.8	19.9	20.8	300.43	298.58
Blaufraenkisch	0.5	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Cabernet Franc	9,842.2	9,140.5	24.4	23.4	6,070.7	5,748.7	24.3	23.4	1,510.67	1,468.87
Cabernet Sauvignon	255,731.6	228,450.2	23.9	23.1	209,133.8	187,680.3	23.7	23.0	1,063.60	1,182.76
Carignane	57,166.7	55,898.8	23.3	21.8	54,045.2	51,711.7	23.0	21.9	342.33	393.66
Carmine	687.7	432.5	23.7	23.6	677.8	411.1	23.7	23.6	357.70	435.09
Carnelian	9,501.8	9,436.2	24.8	23.5	7,203.7	7,410.8	24.9	23.9	257.02	307.05
Centurian	3,121.8	2,862.8	24.2	22.9	1,627.9	1,184.8	24.2	23.3	305.20	301.06
Charbono	201.6	275.9	21.6	21.5	177.6	265.0	21.4	21.4	1,679.10	1,558.71
Cinsault	190.2	136.7	20.8	22.2	80.3	64.8	20.7	22.1	982.36	1,057.52
Counoise	41.3	17.1	23.1	23.1	21.3	8.2	23.4	23.2	1,213.37	1,226.88
Dolcetto	487.1	272.3	21.6	22.1	358.6	169.7	20.5	21.7	807.84	972.80
Early Burgundy	39.1	43.5	23.6	22.9	39.1	43.5	23.6	22.9	907.42	821.84
Freisa	52.0	53.9	23.0	20.7	12.7	16.6	21.7	21.5	1,697.59	1,499.70
Gamay (Napa)	5,354.0	6,125.2	21.4	20.0	4,939.4	5,955.3	21.4	20.5	590.93	613.26
Gamay Beaujolais	72.8	543.4	24.0	23.3	56.0	505.9	24.7	23.4	1,308.21	1,152.09
Grand Noir	3.4	0.0	22.6	0.0	3.4	0.0	22.6	0.0	829.41	0.00
Grenache	95,633.6	99,093.6	21.7	21.0	89,370.4	94,114.0	21.6	21.0	201.94	212.60
Grignolino	36.3	90.7	23.9	19.7	1.6	63.3	21.7	17.9	1,200.00	116.47
Lambrusco	261.9	484.7	24.1	22.8	0.0	0.0	0.0	0.0	0.00	0.00
Malbec	812.7	439.4	23.9	23.1	403.3	216.2	23.9	22.8	1,772.21	1,415.35
Mataro/Mourvedre	1,534.6	1,186.3	23.2	23.9	1,271.5	929.4	23.3	23.9	969.49	1,080.67
Merlot	239,567.1	201,491.0	24.0	23.1	191,596.7	153,535.1	24.0	23.0	993.55	1,014.86
Meunier	776.8	580.0	19.8	19.9	388.3	343.6	19.9	19.9	1,666.59	1,453.83
Mission	3,823.6	4,675.5	23.8	23.0	3,756.0	4,610.6	23.8	23.1	176.39	224.19
Montanaccio	0.0	8.8	0.0	23.0	0.0	8.8	0.0	23.0	0.00	800.00
Muscat Hamburg	124.0	168.1	25.7	23.7	112.0	156.4	26.1	23.9	577.92	532.75
Nebbiolo	535.8	463.0	24.1	23.2	391.6	259.8	23.9	22.5	737.22	1,269.01
Negrette	22.5	26.0	22.7	23.2	18.5	26.0	22.4	23.2	1,847.38	1,437.01
Petite Sirah	8,840.9	8,787.4	23.7	21.9	5,949.4	6,621.5	24.0	21.6	1,053.73	929.02
Petite Verdot	912.6	573.3	23.9	23.9	427.7	275.5	23.8	23.9	2,159.75	2,108.16
Pfeffer Cabernet	2.7	20.8	24.0	22.8	2.7	9.5	24.0	23.1	1,200.00	1,100.00
Pinot Noir	36,653.4	28,922.9	23.1	22.8	24,239.9	20,353.3	23.2	22.9	1,721.85	1,632.29
Pinot St George	6.7	50.0	23.0	23.4	0.0	30.4	0.0	21.3	0.00	887.72
Pinotage	13.1	5.7	23.8	23.8	6.9	5.2	24.0	23.8	1,150.00	1,140.39
Portugieser Blauer	20.7	20.8	22.3	24.2	20.7	8.7	22.3	23.6	1,248.70	1,142.48
Primotivo	314.0	363.4	26.0	20.6	283.8	345.9	26.1	20.4	729.82	665.71
Refosco/Mondeuse	121.5	136.8	21.0	20.5	87.2	111.5	21.3	20.5	1,373.51	1,055.40
Royalty	6,556.6	5,835.9	22.2	22.0	6,504.5	5,761.5	22.2	22.0	396.45	380.36
Rubired	102,426.6	106,971.2	23.4	22.0	94,474.4	99,169.7	23.2	22.0	403.25	383.71
Ruby Cabernet	60,126.0	61,627.4	24.0	22.5	51,938.2	51,906.4	24.1	22.3	318.76	385.49
Salvador	5,256.5	5,918.4	21.5	21.6	5,218.7	5,907.0	21.5	21.6	314.43	331.39
Sangiovese/Sangiovese	15,877.0	8,178.1	24.2	22.6	12,795.8	5,982.0	24.1	22.6	783.09	957.28
Souzao	174.7	139.8	21.8	21.9	107.8	94.1	21.9	21.8	550.12	709.44
Syrah/French Syrah-Shiraz	44,099.0	22,017.4	24.3	23.3	31,480.7	17,386.2	24.5	23.2	729.58	868.69
Tannat	41.6	29.2	25.1	23.4	34.7	26.0	25.3	23.5	498.27	1,917.23
Tempranillo	840.8	422.0	24.2	23.2	605.4	363.7	23.9	22.9	418.11	494.98
Teroldego	18.0	24.0	23.8	23.2	12.9	22.0	23.2	23.1	1,905.04	1,814.32
Tinta Cao	60.0	55.0	22.4	23.2	32.8	19.8	22.8	23.1	643.69	834.82

GRAPE CRUSH TOTALS BY TYPE AND VARIETY, 1998–1999 *continued*

Type and Variety	Total Tons Crushed		Average Brix Crushed		Total Tons Purchased		Average Brix Purchased		Wtd. Average Dollars Per Ton	
	1999	1998	1999	1998	1999	1998	1999	1998	1999	1998
Wine Grapes (Red) <i>continued</i>										
Tinta Madeira	99.8	122.6	22.5	22.6	0.4	93.3	21.5	22.4	1,450.00	354.08
Touriga	131.2	116.4	22.3	22.8	76.7	92.8	22.5	22.7	562.67	586.92
Trousseau	17.9	15.2	23.9	23.8	17.4	15.2	23.9	23.8	1,200.57	1,290.14
Valdepenas	2,104.1	1,011.7	23.4	22.0	2,101.5	998.5	23.4	22.3	281.39	331.54
Zinfandel	324,397.1	339,711.9	20.1	18.5	300,633.4	306,554.2	20.0	18.4	494.23	460.32
Other Red ¹	17,126.0	15,802.7	21.0	21.1	4,107.5	8,938.3	22.2	21.8	274.18	213.82
Total Red	1,421,757.7	1,333,106.4	22.7	21.5	1,214,535.1	1,142,409.5	22.6	21.4	648.71	642.91
Total Wine	2,616,830.9	2,527,055.5	22.4	21.3	2,215,255.9	2,147,788.5	22.2	21.1	589.81	585.87
Total All Varieties	3,185,462.7	3,168,568.0	22.2	21.1	2,654,920.2	2,677,055.1	22.0	21.0	524.83	502.03

¹ Other categories include minor and mixed varieties.





“I appreciated your sincere interest in our concerns, including the glassy-winged sharpshooter, labor, land use and water issues. Agriculture is facing tough times across the state and our livelihood depends on support from yourself and your staff.”

—Richard Olufs, President
Sonoma County Farm Bureau

Livestock and Dairy

The California dairy industry continued growing as new record highs were set for the number of milk cows and milk production. California continues to lead the nation in milk production with a record 30.5 billion pounds, representing a 10 percent increase from the previous year. Total milk value was \$4.09 billion, down 1 percent from 1998.

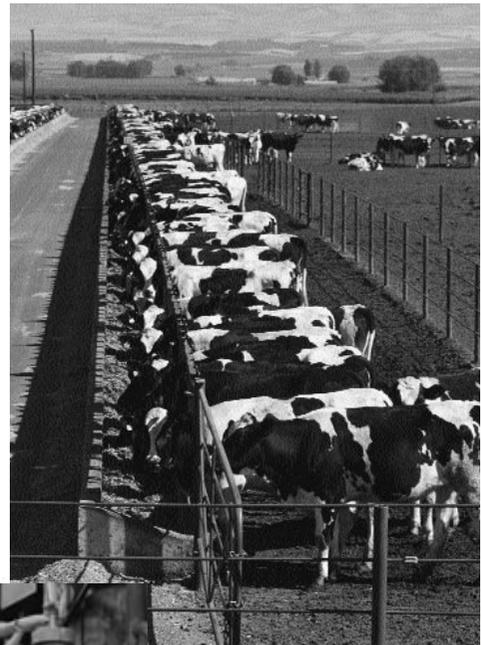
Livestock cash receipts during 1999 totaled \$6.62 billion, up 1 percent from 1998. This increase is due in part to a 17 percent rise in cattle and calves receipts.

Total production of the three red meat species was 2.10 billion pounds, up 6 percent from the 1998 production year. Total marketings of the three red meat species also substantially increased to 2.62 billion pounds, nearly 13 percent above the 1998 figure. Cattle and calf marketings were 2.45 billion pounds, an increase of 13 percent from the previous year.

Sheep and lamb marketings of 80.3 million pounds were up 9 percent from 1998. Hog and pig marketings were nearly 4 percent higher than the previous year at 81.9 million pounds.

Cattle and calves marketed from California feedlots totaled 590 thousand head, a 4 percent increase from 1998. Turkey production of 429 million pounds was down 3 percent from the previous year. Egg production of 6.61 billion eggs was slightly lower than the 1998 production year. Honey production was 30.3 million pounds, which is nearly 19 percent lower than 1998.

Wool production was 3.63 million pounds, virtually unchanged from the previous year.



“These production numbers clearly illustrate the fact that California is home to the most productive, efficient and competitive dairy producers in the country.”

—Secretary Lyons



MILK COWS, PRODUCTION AND RECEIPTS BY STATE, 1999¹



	Total Production on Farms ²		Average Production		Cash Receipts	Rank in Production	United States
	Milk	Milk Fat	Milk Cows on Farms	Per Milk Cow Milk	from Farm Marketings of Dairy Products ²		Production
	Million pounds		Thousands	Pounds	Thousand Dollars		Percent
Alabama	374	13.6	27	13,852	61,215	40	0.0
Alaska	14	0.5	1	13,580	2,650	50	0.0
Arizona	2,931	104.9	134	21,873	402,684	13	1.8
Arkansas	520	18.9	42	12,381	77,000	36	0.3
California	30,475	1,115.4	1,466	20,788	4,089,876	1	18.7
Colorado	1,728	62.0	83	20,819	256,576	20	1.1
Connecticut	520	19.0	29	17,931	83,268	37	0.3
Delaware	171	6.4	11	15,545	25,500	46	0.1
Florida	2,398	85.6	158	15,177	411,596	15	1.5
Georgia	1,449	52.2	89	16,281	229,600	25	0.9
Hawaii	120	4.2	9	13,919	31,223	47	0.1
Idaho	6,453	232.3	318	20,292	834,080	6	4.0
Illinois	2,029	75.3	123	16,496	295,911	18	1.2
Indiana	2,185	81.1	136	16,066	310,320	17	1.3
Iowa	3,802	141.8	217	17,521	500,479	12	2.3
Kansas	1,395	50.8	86	16,221	192,237	27	0.9
Kentucky	1,645	59.9	133	12,368	248,402	22	1.0
Louisiana	711	24.7	61	11,656	113,937	32	0.4
Maine	693	25.5	42	16,500	109,600	33	0.4
Maryland	1,365	50.9	85	16,059	203,250	28	0.8
Massachusetts	420	15.5	25	16,800	68,145	39	0.3
Michigan	5,455	201.3	299	18,244	801,420	9	3.4
Minnesota	9,478	352.6	545	17,391	1,311,283	5	5.8
Mississippi	552	19.8	38	14,526	89,324	35	0.3
Missouri	2,220	81.0	159	13,962	321,783	16	1.4
Montana	303	10.8	18	16,833	42,340	43	0.2
Nebraska	1,139	42.3	74	15,392	149,410	31	0.7
Nevada	497	17.2	25	19,880	65,436	38	0.3
New Hampshire	321	12.0	19	16,895	49,612	42	0.2
New Jersey	280	9.9	17	16,471	42,104	44	0.2
New Mexico	4,725	167.7	232	20,366	657,440	10	2.9
New York	12,040	440.7	701	17,175	1,736,962	3	7.4
North Carolina	1,216	46.2	73	16,658	208,278	30	0.7
North Dakota	689	25.4	49	14,061	89,232	34	0.4
Ohio	4,445	166.7	260	17,096	648,417	11	2.7
Oklahoma	1,249	44.3	92	13,576	191,425	29	0.8
Oregon	1,665	60.9	89	18,708	244,360	21	1.0
Pennsylvania	10,931	405.5	616	17,745	1,705,805	4	6.7
Rhode Island	31	1.1	2	15,500	4,774	49	0.0
South Carolina	369	13.6	24	15,375	59,658	41	0.2
South Dakota	1,507	55.9	102	14,775	214,992	24	0.9
Tennessee	1,417	52.0	97	14,608	224,190	26	0.9
Texas	5,620	202.3	345	16,290	839,400	7	3.5
Utah	1,613	58.4	92	17,533	221,427	23	1.0
Vermont	2,712	99.8	160	16,950	413,028	14	1.7
Virginia	1,879	67.5	121	15,529	292,648	19	1.2
Washington	5,535	202.0	247	22,409	820,245	8	3.4
West Virginia	275	10.2	18	15,278	41,344	45	0.2
Wisconsin	23,071	865.2	1,365	16,902	3,159,941	2	14.2
Wyoming	80	2.9	6	13,300	10,166	48	0.0
United States³	162,711	5,975.7	9,156	17,771	23,203,993		

¹ Average number during year, heifers that have not freshened excluded.

² All milk and cream.

³ State totals may not add to U.S. totals because of rounding.

Source: USDA/NASS Milk Production, Disposition and Income

MILK COWS, DAIRIES AND COWS PER DAIRY BY COUNTY AND REGION, 1998–1999

County and Region ¹	1998			1999		
	Number of Cows	Number of Dairies ²	Average Number of Cows/Dairy	Number of Cows	Number of Dairies ²	Average Number of Cows/Dairy
Butte	597	4	149	885	4	221
Colusa ³		1			1	
Contra Costa	2,877	3	959	2,900	3	967
Del Norte	3,172	9	352	3,172	8	397
Fresno	84,172	106	794	84,172	105	802
Glenn	15,974	82	195	15,217	77	198
Humboldt	15,426	112	138	16,001	108	148
Kern	50,526	33	1,531	57,942	36	1,609
Kings	109,512	151	725	124,668	146	854
Madera	32,021	49	653	35,507	52	683
Marin	12,464	40	312	11,482	35	328
Mendocino ³		2			2	
Merced	178,241	336	530	185,130	338	548
Monterey	3,551	6	592	3,141	7	449
Placer ³		1			1	
Sacramento	17,211	59	292	17,193	56	307
San Benito	787	4	197	613	3	204
San Joaquin	88,719	156	569	88,778	154	576
Santa Clara ³	1,193	3	398		1	
Santa Cruz ³		1			1	
Shasta ³		1			1	
Siskiyou	1,031	6	172	1,345	6	224
Solano	1,429	4	357	1,431	4	358
Sonoma	30,618	96	319	31,075	94	331
Stanislaus	142,546	319	447	146,285	323	453
Sutter ³		1			1	
Tehama	3,676	33	111	4,015	27	149
Tulare	312,340	296	1,055	337,685	293	1,153
Yolo ³		2		536	3	179
Yuba	2,827	4	707	3,023	4	756
Northern California	1,114,035	1,920	580	1,175,358	1,894	621
Imperial ³		2			2	
Los Angeles ³		2			2	
Riverside	112,288	109	1,030	116,131	106	1,096
San Bernardino	160,206	195	822	163,304	194	842
San Diego	7,596	13	584	7,565	11	688
San Luis Obispo ³		1			1	
Santa Barbara	2,731	4	683	2,796	4	699
Southern California	286,970	326	880	294,219	320	919
State Total	1,401,005	2,246	624	1,469,577	2,214	664

¹ Counties not shown have no production.

² "Number of Dairies" source is Milk and Dairy Foods Control.

³ Not published, but included in total.



COMMERCIAL MILK PRODUCTION BY COUNTY AND MONTH, 1999 ¹



County and Region ²	January	February	March	April	May	June
	Pounds					
Butte	1,040,679	977,908	1,130,721	1,126,156	1,225,825	1,152,869
Colusa ³	—	—	—	—	—	—
Contra Costa ³	—	—	—	—	—	—
Del Norte	5,271,885	4,787,290	5,784,074	5,856,911	6,293,020	5,745,512
Fresno	134,085,148	122,704,800	143,230,540	142,494,614	147,307,560	138,273,650
Glenn	25,916,457	24,094,062	27,006,623	26,968,639	27,586,515	25,928,902
Humboldt	18,397,080	16,311,989	19,149,774	22,364,134	26,155,014	25,948,465
Kern	94,005,811	86,809,813	103,905,127	102,143,831	105,442,531	97,903,061
Kings	189,837,929	175,883,689	208,085,192	205,032,278	209,375,100	195,983,657
Madera	54,889,803	50,527,986	59,774,672	61,219,200	63,657,067	60,172,849
Marin	19,233,517	17,556,397	20,056,066	19,850,716	21,283,660	20,885,072
Mendocino ³	—	—	—	—	—	—
Merced	300,816,807	277,648,166	319,267,406	318,096,862	331,648,112	318,413,243
Monterey	5,951,358	5,334,886	5,749,250	5,140,638	5,316,325	5,331,694
Placer ³	—	—	—	—	—	—
Sacramento	28,294,798	25,656,807	29,536,004	29,284,987	30,710,697	29,811,567
San Benito	1,152,067	1,077,216	1,163,928	1,098,126	1,114,460	1,109,277
San Joaquin	153,602,299	140,197,700	158,492,944	156,990,906	163,139,549	156,421,850
Santa Clara	1,948,016	949,178	839,819	825,336	871,797	811,463
Santa Cruz ³	—	—	—	—	—	—
Shasta ³	—	—	—	—	—	—
Siskiyou	2,151,143	1,965,938	2,218,342	2,228,905	2,293,537	2,308,990
Solano	2,291,092	2,108,558	2,445,133	2,342,725	2,544,691	2,429,587
Sonoma	52,275,671	47,546,801	52,966,730	51,972,966	55,180,855	54,399,456
Stanislaus	249,049,071	227,774,487	259,266,830	258,269,155	270,051,169	259,920,731
Sutter ³	—	—	—	—	—	—
Tehama	5,850,438	5,441,379	6,588,273	6,758,040	7,158,313	6,913,265
Tulare	554,905,981	513,152,348	603,452,638	602,092,646	611,281,650	564,261,309
Yolo ³	—	—	—	—	—	—
Yuba	4,929,621	4,616,637	5,355,236	5,324,791	5,554,014	5,146,257
Northern California	1,916,215,168	1,762,794,174	2,046,475,752	2,038,103,499	2,106,194,958	1,989,547,531
Imperial ³	—	—	—	—	—	—
Los Angeles	2,653,807	2,463,590	2,766,130	2,625,546	2,629,166	2,608,544
Riverside	202,450,101	189,108,410	221,758,214	211,711,255	216,187,081	199,304,007
San Bernardino	294,071,603	268,417,268	305,764,778	296,836,215	305,900,056	285,384,661
San Diego	13,250,625	12,061,377	14,044,575	13,766,226	14,112,247	13,565,253
San Luis Obispo ³	—	—	—	—	—	—
Santa Barbara	4,551,672	4,221,834	4,903,361	5,106,106	5,086,691	4,935,934
Southern California	520,557,879	479,923,479	553,950,783	534,256,396	548,832,000	510,333,872
State Totals	2,436,773,047	2,242,717,653	2,600,426,535	2,572,359,895	2,655,026,958	2,499,881,403

¹ Includes total milk sold. Excludes milk left on ranch.

² Counties not shown have no production.

³ Not published, but included in total.



July	August	September	October	November	December	Total
<i>Pounds</i>						
1,872,567	1,936,602	1,892,303	2,012,385	1,927,539	2,040,960	18,336,514
—	—	—	—	—	—	—
—	—	—	—	—	—	—
6,323,266	6,139,372	5,710,344	5,460,689	5,283,717	5,627,526	68,283,606
137,444,226	143,360,604	139,325,570	144,482,615	139,744,002	145,053,165	1,677,506,494
25,392,426	26,463,263	26,746,946	27,198,339	25,485,666	26,377,142	315,164,980
26,703,410	26,182,748	24,435,773	23,802,388	22,719,861	22,000,477	274,171,113
95,888,255	101,746,330	98,701,731	104,248,096	102,900,563	107,079,163	1,200,774,312
194,855,116	203,753,629	197,201,766	206,516,077	201,013,302	208,734,741	2,396,272,476
61,488,068	63,516,790	62,312,569	65,320,388	64,317,282	68,202,167	735,398,841
21,801,380	215,25,707	20,326,635	19,666,450	18,635,182	18,808,223	239,629,005
—	—	—	—	—	—	—
325,488,313	336,978,542	325,979,505	337,255,694	327,313,245	337,636,537	3,856,542,432
5,716,673	5,548,157	5,271,112	5,459,518	5,106,634	5,119,136	65,045,381
—	—	—	—	—	—	—
30,867,076	31,052,983	29,522,673	30,462,775	30,071,045	30,816,891	356,088,303
1,182,727	1,186,026	1,093,697	1,085,975	1,005,967	1,061,074	13,330,540
160,096,871	164,851,354	159,593,692	163,654,812	157,807,998	162,316,275	1,897,166,250
831,349	839,904	808,675	826,574	818,663	870,289	11,241,063
—	—	—	—	—	—	—
—	—	—	—	—	—	—
2,433,536	2,479,830	2,423,053	2,575,494	2,390,748	2,385,806	27,855,322
2,533,353	2,613,792	2,609,893	2,511,009	2,529,519	2,679,333	29,638,685
57,834,283	57,568,750	54,549,303	55,635,109	53,632,445	54,985,654	648,548,023
264,647,052	271,294,016	261,971,267	269,578,734	259,922,679	268,541,067	3,120,286,258
—	—	—	—	—	—	—
7,581,607	7,096,399	7,058,097	7,626,723	7,742,224	7,340,986	83,155,744
552,283,242	583,037,990	564,929,089	595,282,416	584,929,215	611,466,780	6,941,075,304
—	—	—	—	—	—	—
5,233,402	5,261,495	5,205,772	5,386,132	5,189,020	5,408,942	62,611,319
1,999,001,903	2,074,880,595	2,007,772,057	2,086,346,185	2,031,284,147	2,105,920,385	24,164,536,354
—	—	—	—	—	—	—
2,771,347	3,029,197	2,912,941	2,729,199	2,766,244	2,858,294	32,814,005
199,044,035	204,206,410	201,564,328	206,261,060	202,252,888	214,880,323	2,468,728,112
285,596,555	292,493,497	281,425,140	283,852,496	279,333,041	292,471,932	3,471,547,242
13,446,286	13,602,374	13,179,588	13,612,385	13,255,511	12,922,952	160,819,399
—	—	—	—	—	—	—
5,152,646	5,333,853	5,145,496	5,188,483	4,887,985	5,016,374	59,530,435
510,172,874	522,804,773	508,032,811	516,087,724	506,977,699	533,429,094	6,245,359,384
2,509,174,777	2,597,685,368	2,515,804,868	2,602,433,909	2,538,261,846	2,639,349,479	30,409,895,738



BEE COLONIES, HONEY PRODUCTION AND VALUE, 1990-1999

Year	Bee Colonies 1,000	Yield Per Colony Pounds	Production 1,000 Pounds	Average Price Per Pound Cents	Total Value \$1,000
1990	480	42	20,160	54	10,886
1991	550	63	34,650	54	18,711
1992	490	67	32,830	52	17,072
1993	500	90	45,000	50	22,500
1994	400	60	24,000	51	12,240
1995	420	93	39,060	63	24,608
1996	390	70	27,300	84	22,932
1997	420	75	31,500	70	22,050
1998	450	83	37,350	62	23,157
1999	505	60	30,300	53	16,059

BEEF COW OPERATIONS AND INVENTORY, 1990-1999

Year	1-99 Head		100-499 Head ¹		500+ Head	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
Percent						
1990	87.2	25.0	12.8	75.0	—	—
1991	87.6	28.0	12.4	72.0	—	—
1992	86.7	25.0	13.3	75.0	—	—
1993	86.0	24.0	12.0	43.0	2.0	33.0
1994	86.0	24.0	12.0	44.0	2.0	32.0
1995	86.3	24.0	11.9	44.0	1.9	32.0
1996	86.0	24.0	12.0	43.0	2.0	33.0
1997	85.8	24.0	12.2	42.0	2.0	34.0
1998	85.5	23.0	12.4	43.0	2.1	34.0
1999	85.3	22.0	12.6	43.0	2.1	35.0

¹ Starting in 1993, the 100+ Head class was broken out into 100-499 Head and 500+ Head classes.

CATTLE OPERATIONS AND INVENTORY, 1990-1999

Year	1-99 Head		100-499 Head		500-999 Head ¹		1000+ Head	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
Percent								
1990	76.9	8.0	15.2	21.0	7.9	71.0	—	—
1991	77.3	7.5	14.5	20.5	8.2	72.0	—	—
1992	76.5	6.7	14.6	19.3	8.9	74.0	—	—
1993	76.8	6.5	14.0	18.5	4.8	19.0	4.4	56.0
1994	75.8	6.0	14.6	18.0	5.0	19.0	4.6	57.0
1995	75.6	6.0	14.8	18.0	5.2	20.0	4.4	56.0
1996	75.0	6.0	15.4	19.0	5.0	19.0	4.6	56.0
1997	75.8	6.5	14.6	17.5	4.6	16.0	5.0	60.0
1998	75.2	6.0	14.8	16.0	4.8	17.0	5.2	61.0
1999	75.2	6.0	14.8	16.0	4.8	17.0	5.2	61.0

¹ Starting in 1993, class 500+ was broken out into classes 500-999 and 1,000+.

CATTLE AND CALVES AVERAGE PRICES RECEIVED, 1990–1999

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
<i>Dollars Per Cwt.</i>													
All Beef Cattle													
1990	61.70	64.20	64.80	63.90	66.90	69.10	67.00	66.50	64.20	64.40	64.50	62.80	65.00
1991	60.90	63.50	69.20	62.30	68.60	68.20	61.80	63.70	62.40	62.20	63.40	60.60	64.10
1992	57.70	60.90	58.70	56.90	58.50	59.80	58.10	61.00	61.30	59.40	59.70	56.10	59.10
1993	66.50	66.10	65.50	66.00	66.00	67.70	65.80	65.10	63.60	61.60	61.80	62.10	64.80
1994	64.00	65.90	64.50	59.40	58.80	56.80	55.30	56.00	52.20	50.50	51.30	51.40	57.40
1995	54.10	55.00	52.00	48.40	47.90	48.40	45.80	46.30	43.50	42.20	41.00	42.20	47.00
1996	42.20	41.20	40.90	38.20	38.20	41.80	43.60	45.10	44.50	43.80	43.60	44.10	42.40
1997	43.30	46.30	48.90	49.00	51.90	50.30	49.50	51.30	49.10	48.90	49.30	47.70	48.80
1998	48.40	48.50	49.80	50.30	51.20	49.90	47.00	47.20	45.80	46.00	46.00	44.50	47.80
1999	45.80	47.20	48.60	48.50	48.80	49.70	49.20	49.70	48.60	48.30	48.40	48.50	49.00
Beef Steers and Heifers													
1990	75.00	77.40	76.50	78.20	78.40	80.50	75.40	77.00	74.00	74.20	74.30	76.70	76.40
1991	75.70	76.20	81.70	77.40	80.50	76.50	73.40	75.00	73.90	77.40	74.10	71.40	76.30
1992	75.60	77.90	73.50	70.80	71.30	72.90	74.20	75.20	75.10	75.70	77.10	77.70	74.50
1993	81.00	79.00	79.20	78.70	79.40	83.00	81.00	79.50	79.00	78.50	76.50	78.50	79.40
1994	80.00	79.80	78.30	71.50	69.70	68.00	66.70	66.20	62.60	61.50	63.20	64.30	69.20
1995	68.80	66.20	62.30	57.90	57.20	57.30	55.00	54.60	51.80	51.00	51.50	53.00	57.00
1996	52.00	49.50	49.50	46.00	44.50	51.00	53.00	55.00	56.00	56.00	57.00	58.00	52.50
1997	58.50	61.00	63.00	62.00	64.00	62.50	61.50	64.00	64.00	64.50	66.00	64.50	63.10
1998	65.00	63.50	64.00	64.00	64.00	62.00	60.00	59.00	58.00	60.00	61.00	60.00	61.50
1999	61.50	62.50	64.00	63.00	62.50	64.50	63.00	64.00	64.50	67.00	68.00	67.00	64.30
Beef Cows ¹													
1990	48.90	51.70	52.80	51.80	51.90	51.90	54.60	52.90	50.80	47.50	45.60	47.30	50.60
1991	47.20	50.40	49.10	48.70	52.00	49.80	47.30	48.60	48.60	46.50	44.00	44.80	48.20
1992	46.70	47.10	46.30	46.40	45.10	46.70	45.80	46.60	44.30	43.70	44.70	44.50	45.70
1993	46.20	46.90	46.50	46.70	46.00	46.50	46.40	45.20	44.30	43.30	43.50	42.50	45.40
1994	43.70	46.00	45.40	44.60	43.10	40.00	40.30	41.30	38.50	36.40	34.80	35.00	41.10
1995	35.50	38.80	37.80	35.80	33.90	35.50	33.70	34.40	32.40	31.00	27.00	29.00	33.50
1996	31.50	31.50	30.00	29.00	29.50	29.50	32.00	33.00	31.00	30.00	29.00	29.00	30.40
1997	28.00	31.00	33.00	35.00	36.50	34.00	36.00	37.00	33.00	32.00	32.00	31.50	33.10
1998	32.50	33.50	34.50	35.50	35.50	34.50	33.00	34.50	33.50	30.00	29.50	30.30	32.90
1999	33.50	34.60	35.40	35.70	36.20	35.50	36.50	36.00	34.50	33.00	33.00	34.00	34.80
Calves													
1990	88.00	87.50	92.20	93.00	91.90	94.70	84.50	87.60	83.30	85.80	86.00	91.40	89.40
1991	89.10	94.20	98.30	93.20	97.50	101.00	90.70	87.50	85.70	85.30	93.60	85.60	93.10
1992	87.10	89.70	95.70	91.00	90.40	85.30	87.10	83.80	81.80	89.00	92.60	92.10	89.30
1993	93.60	92.70	98.30	97.30	95.50	95.80	92.70	91.50	91.00	93.00	94.00	93.00	94.30
1994	94.70	95.50	97.10	89.10	86.90	80.00	79.00	80.00	75.80	73.90	76.20	78.70	85.60
1995	81.50	82.20	78.50	72.20	71.50	71.00	66.90	64.30	62.60	62.50	61.00	63.00	69.40
1996	62.50	59.00	61.00	54.00	51.00	51.00	53.00	56.00	55.00	54.00	55.00	56.00	55.70
1997	59.00	65.00	68.00	67.00	71.00	69.00	71.00	71.00	71.00	70.00	67.00	69.00	68.10
1998	72.00	74.00	73.00	75.00	73.50	70.00	68.00	68.00	63.50	70.00	72.50	73.30	70.90
1999	77.50	81.00	79.00	76.00	74.00	75.50	76.00	76.50	81.50	80.00	83.50	87.50	79.10



¹ Beef cows and cull dairy cows sold for slaughter.

CATTLE AND CALVES MARKETED FROM FEEDLOTS, 1990–1999

Year	January–March	April–June	July–September	October–December	Annual Total
<i>1,000 Head</i>					
1990	220	185	190	220	815
1991	200	180	180	170	730
1992	180	165	140	155	640
1993	165	150	135	135	585
1994	130	150	145	155	580
1995	150	160	150	135	595
1996	145	140	135	145	565
1997	135	150	140	145	570
1998	140	125	145	160	570
1999	145	150	153	142	590



CATTLE AND CALVES SLAUGHTERED UNDER FEDERAL AND STATE INSPECTIONS, 1990-1999

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Total ¹
<i>1,000 Head</i>													
Cattle													
1990	105	90	101	97	109	104	100	105	86	97	91	87	1,172
1991	101	88	92	95	95	91	95	93	83	91	77	81	1,082
1992	87	71	77	72	71	80	75	70	74	77	68	77	899
1993	73	67	72	72	70	75	74	72	70	71	71	71	857
1994	70	62	73	69	74	80	74	80	75	79	83	82	901
1995	82	72	82	72	79	89	80	89	82	89	88	81	985
1996	88	77	78	81	87	84	85	87	81	94	87	88	1,017
1997	95	75	82	86	84	83	88	84	84	93	81	95	1,030
1998	90	79	83	84	80	86	86	87	88	88	83	87	1,019
1999	80	74	86	81	79	86	81	85	82	86	86	87	991
Calves													
1990	10	9	9	7	7	7	8	7	6	7	7	8	92
1991	11	8	9	6	5	6	7	7	6	6	6	6	84
1992	8	7	7	6	6	7	7	8	7	7	7	8	83
1993	8	7	7	6	5	5	6	6	5	5	5	6	70
1994	6	5	6	6	7	8	9	9	8	13	15	14	106
1995	16	12	14	14	21	21	19	19	16	13	15	18	196
1996	21	24	24	23	25	24	27	25	21	20	17	18	269
1997	22	17	16	15	12	15	17	17	17	15	15	20	200
1998	19	17	16	14	12	15	22	19	16	14	13	16	191
1999	15	14	16	11	10	12	16	17	16	13	11	11	162

¹ Totals may not equal sum of parts due to rounding.

AVERAGE LIVE WEIGHTS OF CATTLE AND CALVES SLAUGHTERED UNDER FEDERAL AND STATE INSPECTIONS, 1990-1999

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
<i>Pounds</i>													
Cattle													
1990	1,202	1,207	1,216	1,188	1,195	1,180	1,174	1,187	1,204	1,216	1,222	1,229	1,201
1991	1,235	1,244	1,238	1,223	1,227	1,227	1,224	1,234	1,249	1,258	1,242	1,244	1,237
1992	1,260	1,253	1,244	1,236	1,234	1,232	1,228	1,224	1,234	1,243	1,251	1,251	1,241
1993	1,222	1,206	1,211	1,210	1,223	1,210	1,213	1,219	1,238	1,253	1,247	1,245	1,225
1994	1,264	1,261	1,232	1,245	1,235	1,213	1,215	1,213	1,206	1,224	1,223	1,236	1,230
1995	1,231	1,222	1,207	1,228	1,240	1,237	1,226	1,223	1,232	1,243	1,233	1,229	1,229
1996	1,244	1,240	1,233	1,224	1,225	1,224	1,229	1,200	1,219	1,219	1,222	1,224	1,225
1997	1,224	1,203	1,244	1,238	1,240	1,235	1,245	1,244	1,253	1,263	1,264	1,243	1,242
1998	1,245	1,243	1,217	1,224	1,240	1,248	1,237	1,237	1,245	1,250	1,275	1,267	1,244
1999	1,292	1,271	1,275	1,259	1,246	1,241	1,231	1,248	1,250	1,251	1,261	1,251	1,256
Calves													
1990	220	277	246	223	221	221	245	237	241	229	232	260	239
1991	252	273	287	285	291	311	326	322	301	280	305	292	291
1992	282	274	285	280	289	271	295	297	298	317	326	334	296
1993	314	334	345	345	342	351	369	351	335	362	377	360	349
1994	366	373	370	368	377	360	352	344	367	347	314	352	352
1995	400	320	377	332	296	290	322	326	338	338	370	364	337
1996	363	348	359	367	357	362	357	350	321	330	328	321	348
1997	324	334	351	349	352	374	356	350	346	352	336	256	338
1998	248	240	148	113	115	119	115	119	121	122	131	128	146
1999	123	126	135	149	149	162	134	130	136	146	163	155	141

CATTLE BY CLASS AS OF JANUARY 1, 1991–2000

Year	Cows That Have Calved			Heifers 500+ Lbs.			Other Cattle			
	Beef	Dairy	All	Cow Replacements Beef	Milk	Other Heifers	Calves under 500 Lbs.	Bulls 500+ Lbs.	Steers 500+Lbs.	All Cattle and Calves
<i>1,000 Head</i>										
1991	900	1,150	2,050	155	505	185	1,015	70	620	4,600
1992	880	1,160	2,040	145	555	190	920	70	630	4,550
1993	840	1,200	2,040	140	560	190	930	70	670	4,600
1994	860	1,230	2,090	155	610	170	980	75	670	4,750
1995	850	1,270	2,120	155	630	170	970	75	680	4,800
1996	840	1,320	2,160	150	650	180	980	70	660	4,850
1997	820	1,380	2,200	150	660	170	980	70	670	4,900
1998	820	1,400	2,220	145	670	165	990	65	645	4,900
1999	810	1,440	2,250	145	720	190	1,060	70	665	5,100
2000	790	1,490	2,280	145	720	175	1,050	70	660	5,100

CATTLE INVENTORY, SUPPLY AND DISPOSITION, 1990–1999

Year	Beginning Inventory January 1	Calf Crop	Inshipments	Marketings ¹		Farm Slaughter Cattle and Calves ²	Deaths		Ending Inventory January 1
				Cattle	Calves		Cattle	Calves	
<i>1,000 Head</i>									
1990	4,700	1,750	737	2,185	178	19	75	130	4,600
1991	4,600	1,700	728	2,069	180	19	70	140	4,550
1992	4,550	1,720	630	1,930	150	20	75	125	4,600
1993	4,600	1,750	700	1,889	162	19	75	155	4,750
1994	4,750	1,800	700	2,040	172	19	80	139	4,800
1995	4,800	1,820	800	2,106	212	20	95	137	4,850
1996	4,850	1,860	820	2,064	312	20	90	144	4,900
1997	4,900	1,880	785	2,167	261	22	90	125	4,900
1998	4,900	1,920	600	1,855	201	19	95	150	5,100
1999	5,100	1,950	700	2,119	282	19	85	145	5,100

¹ Includes custom slaughter for use on farms where produced, but excludes interfarm sales.

² Excludes custom slaughter for farmers at commercial establishments.



MANUFACTURED DAIRY PRODUCTS, 1995–1999



	1995	1996	1997	1998	1999 ¹
	<i>1,000 Pounds</i>				
Commodity					
Butter	346,503	305,667	314,207	312,749	343,389
All Cheese Total ²	951,677	1,053,979	1,174,171	1,243,062	1,383,381
American Cheese Total	354,132	410,915	476,102	505,935	597,048
Cheddar	248,708	308,564	351,001	368,327	427,517
Monterey, Jack and Other	105,424	102,351	125,101	137,608	169,531
Italian Cheese Total	525,354	565,669	624,732	656,163	690,923
Mozzarella	472,008	497,421	519,443	555,126	613,248
Other Italian	53,346	68,248	105,289	101,037	77,675
All Other Cheese	45,565	5,834	9,281	8,977	11,614
Creamed and Low Fat Cottage Cheese Total	86,632	93,414	95,947	98,938	101,998
Creamed	31,001	32,565	32,190	33,247	34,416
Low Fat ³	55,631	60,849	63,757	65,691	67,582
Curd Cottage Cheese Total	55,107	55,553	52,993	54,206	53,520
Yogurt, Plain and Flavored	251,651	196,778	189,561	200,363	292,599
Milk, Nonfat Dry for Human Consumption	443,347	425,971	548,512	507,135	650,655
Milk, Unsweetened Condensed Skim	515,490	552,396	499,447	547,715	648,760
	<i>1,000 Gallons</i>				
Ice Cream ⁴	111,922	108,830	116,151	116,192	131,375
Low Fat Ice Cream Total ⁵	32,799	37,819	39,014	42,979	35,684
Hard	18,045	13,270	13,869	10,297	6,603
Soft	14,754	24,549	25,145	32,682	29,081
Milk Sherbet	6,665	6,800	7,202	7,264	8,308
Water Ices	4,318	6,743	6,685	4,392	3,993

¹ Preliminary 1999 data.
² Excludes processed cheese and cottage cheese.
³ Includes low fat and non-fat cottage cheese.
⁴ Includes non-fat ice cream.
⁵ Previously referred to as "Ice Milk."

MILK COW AVERAGE PRICES RECEIVED, 1990–1999 ¹

Year	January	April	July	October	Annual Average
	<i>Dollars Per Head</i>				
1990	1,280	1,260	1,320	1,360	1,310
1991	1,240	1,200	1,200	1,250	1,220
1992	1,260	1,280	1,320	1,310	1,290
1993	1,270	1,320	1,320	1,330	1,310
1994	1,340	1,320	1,230	1,290	1,300
1995	1,270	1,230	1,230	1,190	1,230
1996	1,190	1,190	1,230	1,280	1,220
1997	1,230	1,250	1,240	1,240	1,240
1998	1,220	1,260	1,290	1,310	1,270
1999	1,340	1,340	1,360	1,470	1,380

¹ For dairy herd replacement.

MILK COWS CALVED, MILK PRODUCTION AND VALUE, 1990-1999

Year	Milk Cows and Heifers Calved		Production Per Milk Cow		Production on Farms		Value Per Cwt.	Total Value ¹
	January 1	Annual Average	Milk	Milk Fat	Milk	Milk Fat		
	1,000 Head		Pounds		Million Pounds		Dollars	\$1,000
1990	1,115	1,135	18,456	668	20,947	758	12.02	2,560,776
1991	1,150	1,155	18,534	678	21,407	784	11.22	2,443,995
1992	1,160	1,158	18,722	685	22,092	809	11.61	2,614,993
1993	1,200	1,216	18,552	690	22,924	839	11.45	2,596,288
1994	1,220	1,249	20,203	737	25,234	921	11.52	2,844,979
1995	1,250	1,294	19,573	712	25,327	922	11.68	2,889,749
1996	1,260	1,349	19,161	701	25,848	946	13.66	3,447,647
1997	1,300	1,391	19,829	722	27,582	1,004	12.62	3,406,390
1998	1,400	1,420	19,475	715	27,654	1,015	15.01	4,140,659
1999	1,440	1,466	20,788	761	30,475	1,115	13.45	4,089,876

¹ Milk valued at averaged returns per 100 pounds in combined marketings of milk and cream. Includes value of milk fed to calves.

MILK COW OPERATIONS AND INVENTORY, 1990-1999

Year	1-49 Head		50-99 Head		100-199 Head ¹		200+ Head ²		200-499 Head		500+ Head	
	Operation	Inventory	Operation	Inventory	Operation	Inventory	Operation	Inventory	Operation	Inventory	Operation	Inventory
	<i>Percent</i>											
1990	45.3	0.6	8.0	2.0	46.7	97.4	—	—	—	—	—	—
1991	40.9	0.6	6.7	1.6	52.4	97.8	—	—	—	—	—	—
1992	40.9	0.6	6.7	1.7	52.4	97.7	—	—	—	—	—	—
1993	43.0	0.6	4.5	1.1	7.5	3.3	45.0	95.0	—	—	—	—
1994	36.7	0.6	4.4	1.0	8.9	3.4	50.0	95.0	—	—	—	—
1995	31.5	0.4	4.5	0.9	9.4	3.7	54.6	95.0	—	—	—	—
1996	23.1	0.4	4.5	0.8	10.3	3.8	62.1	95.0	—	—	—	—
1997	21.1	0.4	4.3	0.7	10.3	3.4	64.0	95.5	26.8	16.5	37.5	79.0
1998	18.9	0.4	4.1	0.7	10.0	3.4	67.0	95.5	27.8	17.5	39.3	78.0
1999	17.3	0.3	2.7	0.4	9.6	3.3	70.4	96.0	28.1	17.0	42.3	79.0

¹ Starting in 1993, the 100+ Head class was broken out into 100-199 Head and 200+ Head classes.

² Starting in 1997, the 200+ Head class was broken out into 200+ Head, 200-499 Head, and 500+ Head classes.





GRAZING FEE ANNUAL AVERAGE RATES, 1990–1999 ¹

Year	Per Animal Unit ²	Cow-Calf	Per Head
1990	9.81	13.00	10.46
1991	9.61	11.63	12.37
1992	10.09	13.29	12.09
1993	10.40	13.30	11.20
1994	11.00	13.10	11.80
1995	10.50	12.80	11.10
1996	10.10	12.20	11.90
1997	10.60	13.00	12.00
1998	11.50	14.50	12.90
1999	12.10	15.00	12.50

¹ The average rates are estimates (rates over \$10.00 are rounded to the nearest dime) based on survey indications of monthly lease rates for private, non-irrigated grazing land from the January Agricultural Survey.
² Includes animal unit plus cow-calf rates. Cow-calf rate converted to animal unit (AUM) using (1 aum=cow-calf *0.833).

HENS AND PULLETS OF LAYING AGE (HPLA) AND EGG PRODUCTION, 1998–1999

Month	Average Number of HPLA			Eggs Per 100 Layers			Total Egg Production		
	1998	1999	1999/1998	1998	1999	1999/1998	1998	1999	1999/1998
	Thousands	Thousands	Percent	Number	Number	Percent	Millions	Millions	Percent
December ¹	25,961	26,357	102	2,265	2,261	100	588	596	101
January	25,465	26,606	104	2,219	2,180	98	565	580	103
February	25,131	26,238	104	1,962	1,963	100	494	515	104
March	25,280	25,710	102	2,215	2,217	100	560	570	102
April	25,160	25,129	100	2,134	2,089	98	537	525	98
May	24,382	25,098	103	2,198	2,120	96	536	532	99
June	24,373	25,048	103	2,199	2,124	97	538	532	99
July	24,758	24,672	100	2,278	2,197	96	564	542	96
August	24,815	24,845	100	2,253	2,198	98	559	546	98
September	25,283	25,396	100	2,136	2,170	102	540	551	102
October	25,616	25,716	100	2,190	2,220	101	561	571	102
November	25,702	25,502	99	2,202	2,141	97	566	546	96
Average Total	25,161	25,523	101	2,188	2,157	99	6,608	6,606	100

¹ December of previous year.

BROILER PRODUCTION AND VALUE, 1990–1999 ¹

Year	Broilers	Average Live Weight	Meat Produced	Value Per Pound ²	Total Value ³
1990	231,100	4.8	1,109,280	30.5	338,330
1991	240,200	4.8	1,152,960	29.0	334,358
1992	233,000	5.1	1,188,300	29.5	350,549
1993	216,000	5.1	1,101,600	32.0	352,512
1994	226,200	5.0	1,131,000	33.0	373,230
1995	235,800	5.0	1,179,000	32.5	383,175
1996	234,200	5.0	1,171,000	39.0	456,690
1997	237,300	5.0	1,210,200	39.0	471,978
1998	—	—	—	—	—
1999	—	—	—	—	—

¹ Data not published in 1998 and 1999 for disclosure reasons.
² Live weight equivalent price.
³ Gross income including home consumption.



EGG PRODUCTION AND VALUE, 1990–1999

Year	Eggs	Value Per Dozen	Total Value
	Millions	Cents	\$1,000
1990	7,711	63.3	406,755
1991	7,721	58.4	375,755
1992	7,224	47.6	286,552
1993	7,029	49.1	287,603
1994	6,602	46.4	255,277
1995	6,444	53.7	288,869
1996	6,569	67.1	367,317
1997	6,663	62.1	344,810
1998	6,608	56.1	308,924
1999	6,606	47.9	263,690

TURKEY PRODUCTION AND VALUE, 1990–1999

Year	Turkeys	Meat Produced ¹	Value Per Pound ²	Total Value
	1,000 Head	1,000 Pounds	Cents	\$1,000
1990	31,500	711,900	38.0	270,522
1991	29,000	652,500	37.0	241,425
1992	24,000	508,800	39.0	198,432
1993	22,500	486,000	43.0	208,980
1994	21,000	449,400	43.0	193,242
1995	22,000	462,000	46.0	212,520
1996	22,500	492,750	45.0	221,738
1997	21,000	480,900	42.0	201,978
1998	19,000	442,700	41.0	181,507
1999	17,500	428,750	45.0	192,938

¹ Includes home consumption.

² Live weight equivalent price.

HOGS AND PIGS BY CLASS AS OF DECEMBER 1, 1990–1999

Year	Hogs and Pigs		Market Hogs				Total
	All	Breeding	Under 60 Pounds	60–119 Pounds	120–179 Pounds	180 Pounds and Over	
	1,000 Head						
1990	195	28	60	49	31	27	167
1991	215	29	64	51	40	31	186
1992	265	37	82	58	45	43	228
1993	260	33	74	60	49	44	227
1994	255	32	70	65	45	43	223
1995	240	31	65	58	44	42	209
1996	210	27	57	51	40	35	183
1997	210	27	60	45	45	33	183
1998	210	27	70	50	40	23	183
1999	190	25	55	50	35	25	165

SOWS FARROWED AND PIGS SAVED, 1990-1999 ¹

Year	December - May			June - November		
	Sows Farrowed	Pigs Saved	Pigs Per Litter	Sows Farrowed	Pigs Saved	Pigs Per Litter
	1,000 Head	1,000 Head	Number	1,000 Head	1,000 Head	Number
1990	22	167	7.6	24	191	8.0
1991	23	188	8.2	25	199	8.0
1992	24	202	8.4	28	221	7.9
1993	29	238	8.2	29	246	8.5
1994	28	242	8.6	25	221	8.8
1995	25	223	8.9	23	199	8.7
1996	—	—	—	—	—	—
1997	—	—	—	—	—	—
1998	—	—	—	—	—	—
1999	—	—	—	—	—	—

¹ Data not published starting in 1996.

HOGS AND PIGS INVENTORY, SUPPLY AND DISPOSITION, 1990-1999

Year	Beginning Inventory December 1 (Previous Year)	Pig Crop (Dec.-Nov.)	Inshipments ¹	Marketings ²	Farm Slaughter ³	Deaths	Ending Inventory December 1
<i>1,000 Head</i>							
1990	140	358	44	310	20	17	195
1991	195	387	31	357	22	19	215
1992	215	423	55	398	15	30	265
1993	265	484	40	472	25	32	260
1994	260	463	40	448	21	39	255
1995	255	422	40	413	24	40	240
1996	240	390	30	383	22	45	210
1997	210	416	51	400	15	52	210
1998	210	404	40	377	12	55	210
1999	210	399	40	391	8	60	190

¹ For feeding or breeding, excludes stock brought in for immediate slaughter.

² Includes custom slaughter for use on farms where produced and state outshipments, but excludes interfarm sales.

³ Excludes custom slaughter for farmers at commercial establishments.

HOGS AND PIGS SLAUGHTERED UNDER FEDERAL AND STATE INSPECTIONS, 1990-1999

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual Total ¹
<i>1,000 Head</i>													
1990	179	151	167	157	169	133	137	164	138	159	150	153	1,859
1991	159	144	148	151	155	142	155	164	152	164	155	162	1,850
1992	169	145	166	157	151	160	158	152	160	167	141	161	1,888
1993	145	141	151	150	145	163	155	162	160	165	155	163	1,856
1994	163	160	159	156	151	164	146	166	168	158	156	177	1,924
1995	169	141	176	152	177	164	155	175	157	164	163	171	1,964
1996	176	168	165	171	165	151	164	173	162	182	158	183	2,017
1997	172	152	160	159	155	154	160	156	161	171	149	190	1,937
1998	183	155	169	173	170	180	188	190	207	204	189	205	2,212
1999	208	188	203	204	193	190	191	192	199	193	188	202	2,350

¹ Totals may not equal sum of parts due to rounding.



**AVERAGE LIVE WEIGHTS OF HOGS AND PIGS SLAUGHTERED
UNDER FEDERAL AND STATE INSPECTIONS, 1990-1999**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual Average
	Pounds												
1990	219	221	223	222	224	220	218	219	221	222	224	223	221
1991	223	219	224	223	222	220	220	219	222	224	226	224	222
1992	229	221	227	232	223	226	220	221	221	225	228	220	224
1993	222	229	223	222	228	224	226	221	221	224	225	223	224
1994	223	222	219	227	221	227	217	217	216	224	224	229	222
1995	225	224	235	238	241	231	224	223	215	219	224	218	227
1996	219	216	217	216	217	214	215	213	212	216	216	214	215
1997	212	212	214	214	216	211	208	206	209	212	216	212	212
1998	210	215	215	210	213	208	208	207	211	211	213	210	211
1999	208	188	203	204	193	190	191	192	199	193	188	202	196



SHEEP AND LAMBS BY CLASS AS OF JANUARY 1, 1991-2000

Year	All Sheep ¹	Sheep and Lambs On Feed for Market ¹	Stock Sheep			Total
			Ewes 1 Yr.+	Replacement Lambs	Wethers and Rams 1Yr.+	
1,000 Head						
1991	1,015	280	576	132	27	735
1992	995	285	562	125	23	710
1993	895	305	450	117	23	590
1994	1,080	600	400	65	15	480
1995	1,020	520	430	55	15	500
1996	920	495	355	55	15	425
1997	880	455	360	50	15	425
1998	800	410	345	35	10	390
1999	810	420	330	45	15	390
2000	800	420	320	45	15	380

¹ Beginning in 1994, totals include new crop lambs.

SHEEP AND LAMBS SHORN, WOOL PRODUCTION AND VALUE, 1990-1999

Year	Sheep and Lambs Shorn 1,000 Head	Production		Value Per Pound Dollars	Total Value \$1,000
		Per Animal Pounds	Total 1,000 Pounds		
1990	1,015	7.5	7,646	0.82	6,270
1991	930	7.7	7,160	0.56	4,010
1992	880	7.7	6,780	0.67	4,543
1993	800	7.6	6,044	0.46	2,780
1994	695	7.7	5,318	0.65	3,457
1995	690	7.6	5,250	1.02	5,355
1996	640	7.6	4,860	0.67	3,256
1997	470	8.1	3,800	0.79	3,002
1998	480	7.5	3,600	0.61	2,196
1999	480	7.6	3,630	0.35	1,271



SHEEP AND LAMBS INVENTORY, SUPPLY AND DISPOSITION, 1990-1999

Year	Beginning Inventory January 1 ¹	Lamb Crop	Inshipments	Marketings ²		Farm Slaughter Sheep and Lambs	Deaths		Ending Inventory January 1 ¹
				Sheep	Lambs		Sheep	Lambs	
<i>1,000 Head</i>									
1990	1,000	535	260	144	566	8	32	30	1,015
1991	1,015	520	248	130	583	7	34	34	995
1992	995	530	285	217	624	8	34	32	895
1993	895	370	469	139	718	5	25	27	1,080
1994	1,080	400	320	50	676	6	24	24	1,020
1995	1,020	330	375	120	634	5	29	17	920
1996	920	330	435	40	722	5	24	14	880
1997	880	320	365	57	667	5	22	14	800
1998	800	310	313	51	521	5	23	13	810
1999	810	290	360	56	564	5	23	12	800

¹ Beginning in 1994, totals include new crop lambs.

² Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.

SHEEP AND LAMBS AVERAGE PRICES RECEIVED, 1990-1999

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average ¹
<i>Dollars Per Cwt.</i>													
Sheep													
1990	26.20	27.30	27.10	21.50	16.90	14.40	19.30	18.50	17.70	15.70	25.20	22.60	18.90
1991	20.50	17.30	18.90	22.00	18.00	15.20	20.40	17.10	20.70	20.20	20.40	22.60	17.90
1992	27.00	26.60	29.20	27.30	20.40	19.70	20.70	20.90	21.60	22.80	28.00	30.60	22.50
1993	30.00	31.10	32.00	29.00	26.00	24.50	24.00	26.00	25.00	23.00	24.00	27.50	25.80
1994	32.20	32.70	31.50	29.10	27.10	29.10	24.30	30.80	29.00	27.70	26.70	35.80	29.10
1995	29.90	34.70	28.60	26.10	22.40	24.00	25.10	24.00	24.00	23.70	22.00	27.00	24.80
1996	30.00	31.00	29.00	27.00	25.00	24.50	26.50	27.50	24.50	28.50	28.50	34.00	26.70
1997	35.00	37.00	37.00	37.00	30.00	33.00	32.00	36.00	30.00	34.00	35.00	37.00	33.80
1998	35.50	33.00	36.50	35.50	30.00	32.00	29.00	29.00	27.50	26.50	25.50	28.50	30.50
1999	28.50	30.00	33.00	31.50	29.00	24.50	26.00	29.50	28.00	27.00	27.00	33.50	28.70
Lambs													
1990	68.00	63.80	68.40	63.30	61.10	58.80	58.90	56.30	57.30	54.90	53.30	51.10	60.10
1991	51.90	47.10	51.70	55.30	59.70	53.50	58.10	54.10	55.20	52.10	53.30	53.80	53.80
1992	56.40	58.40	64.10	71.80	72.00	66.20	65.70	57.20	59.40	57.20	59.50	65.40	62.90
1993	65.10	71.70	74.50	71.00	66.00	62.00	60.00	59.00	63.00	62.50	64.50	65.50	65.70
1994	60.90	58.80	58.30	55.30	54.40	61.90	71.50	76.00	74.80	73.80	72.70	76.70	65.60
1995	69.60	71.00	76.70	77.00	78.70	84.00	86.00	86.50	83.00	80.00	78.00	78.50	79.20
1996	79.50	84.00	85.50	86.00	89.00	98.00	100.00	94.00	90.00	90.00	84.00	88.00	89.40
1997	92.00	98.00	99.00	97.00	94.00	91.00	87.00	90.00	89.00	86.50	84.50	85.00	91.60
1998	81.50	78.00	71.00	69.00	63.00	90.00	84.00	79.00	78.00	71.00	64.00	66.00	74.80
1999	68.00	68.50	66.00	68.00	83.00	81.00	75.50	80.00	77.50	73.00	74.00	77.00	74.80

¹ Average weighted by amount sold each month.

LIVESTOCK PRODUCTION AND INCOME, 1990-1999

Year	Production ¹ 1,000 Pounds	Marketings ²	Average Price Per 100 Pounds		Value of Production \$1,000	Cash Receipts ^{3,4}	Value of Home Consumption \$1,000	Gross Income
			Dollars					
Total Meat Animals								
1990	2,029,815	2,809,866	—	—	1,322,423	1,820,131	21,950	1,842,081
1991	2,116,743	2,754,502	—	—	1,344,967	1,762,881	22,451	1,782,332
1992	2,071,286	2,601,468	—	—	1,224,197	1,532,069	19,387	1,551,456
1993	2,024,599	2,586,056	—	—	1,244,511	1,671,059	15,642	1,686,701
1994	1,943,849	2,539,514	—	—	1,061,164	1,468,824	13,820	1,482,644
1995	1,918,670	2,622,058	—	—	851,750	1,262,481	12,723	1,275,204
1996	1,872,910	2,588,462	—	—	762,188	1,158,997	11,067	1,170,064
1997	2,075,249	2,728,265	—	—	988,026	1,385,084	12,803	1,397,887
1998	1,974,094	2,323,708	—	—	912,615	1,127,393	11,266	1,138,659
1999	2,097,648	2,617,115	—	—	922,975	1,308,778	11,798	1,320,576
Cattle and Calves								
			<i>Cattle</i>	<i>Calves</i>				
1990	1,890,920	2,654,880	65.00	89.40	1,245,792	1,736,037	18,447	1,754,484
1991	1,965,580	2,586,300	64.10	93.10	1,265,374	1,672,249	18,104	1,690,353
1992	1,908,900	2,409,800	59.10	89.30	1,142,883	1,437,117	16,461	1,453,578
1993	1,829,597	2,372,090	64.80	94.30	1,138,047	1,553,634	12,755	1,566,389
1994	1,795,879	2,356,220	57.40	85.60	986,137	1,368,770	11,125	1,379,895
1995	1,775,864	2,436,000	47.00	69.40	777,753	1,159,032	10,050	1,169,082
1996	1,736,019	2,410,790	42.40	55.70	673,737	1,033,513	7,856	1,041,369
1997	1,936,801	2,550,150	48.80	68.10	895,678	1,257,018	10,205	1,267,223
1998	1,849,594	2,171,350	47.80	70.90	851,681	1,048,300	9,509	1,057,809
1999	1,972,129	2,454,890	49.00	79.10	861,952	1,223,123	10,240	1,233,363
Sheep and Lambs								
			<i>Sheep</i>	<i>Lambs</i>				
1990	67,224	87,706	18.90	60.10	34,833	44,583	840	45,423
1991	65,796	88,063	17.90	53.80	30,438	40,984	571	41,555
1992	68,420	104,322	22.50	62.90	37,471	53,520	832	54,352
1993	91,777	110,702	25.80	65.70	54,507	65,078	575	65,653
1994	52,725	87,402	29.10	65.60	30,709	54,868	745	55,613
1995	53,813	96,313	24.80	79.20	38,797	67,411	793	68,204
1996	59,076	97,247	26.70	89.40	48,011	83,589	975	84,564
1997	56,292	93,750	33.80	91.60	47,840	81,505	954	82,459
1998	49,167	73,493	30.50	74.80	35,458	51,960	798	52,758
1999	47,254	80,280	28.70	74.80	33,669	56,601	783	57,384
Hogs and Pigs								
			<i>Hogs and Pigs</i>					
1990	71,671	67,280	58.40	—	41,798	39,511	2,663	42,174
1991	85,367	80,139	57.90	—	49,155	49,648	3,776	50,424
1992	93,966	87,346	47.10	—	43,843	41,432	2,094	43,526
1993	103,225	103,264	50.40	—	51,957	52,347	2,312	54,659
1994	95,245	95,892	46.70	—	44,318	45,186	1,950	47,136
1995	88,993	89,745	39.70	—	35,200	36,038	1,880	37,918
1996	77,815	80,425	52.00	—	40,440	41,895	2,236	44,131
1997	82,156	84,365	54.70	—	44,508	46,561	1,644	48,205
1998	75,333	78,865	34.00	—	25,476	27,133	959	28,092
1999	78,265	81,945	35.10	—	27,354	29,054	775	29,829

¹ Live weight; adjustments made for changes in inventory and for inshipments.

² Live weight; excludes custom slaughter for use on farms where produced and interfarm sales within the state.

³ Receipts from marketing and sale of farm slaughter.

⁴ Hogs and pigs receipts for 1995 and 1996 include allowance for higher average price of state inshipments and outshipments of feeder pigs.





“I very much appreciate the support CDFA and NFACT have given Plant Protection and Quarantine. Your work in NFACT was particularly helpful in passage of the Plant Protection Act and ensuring an appropriate budget for our activities.”

—Richard L. Dunkle, Deputy Administrator
Plant Protection and Quarantine
United States Department of Agriculture

Vegetables and Melons



California's diverse climate allows for year-round production of many vegetables, beginning in the desert during winter months and then heading into coastal areas and the Central Valley as the season progresses.

During 1999, California produced 27.8 million tons of vegetables and melons, a 21 percent increase from 1998. Total value of vegetable production was \$6.01 billion, up 5 percent from the previous year. California continues to lead the nation in vegetable and melon production, accounting for 41 percent of acres harvested, 67 percent of production and 65 percent of total value.

California accounts for more than 90 percent of the nation's production of artichokes, brussels sprouts, celery, garlic and processing tomatoes. Additionally, California is home to more than 75 percent of the national production of broccoli, cauliflower, fresh market carrots, fresh market spinach, head lettuce, honeydews and leaf lettuce.

California produces about 95 percent of the processing tomatoes in the country, with most production coming from rich farmland in the Sacramento and San Joaquin valleys.

Vegetable crops bounced back from the storms of 1998 and production of most vegetable commodities was up substantially. The 1999 crop year was relatively normal with adequate moisture and good weather during the growing season. There were no substantial losses or problems, and temperatures were near normal for the year. Harvesting of most vegetables was completed on schedule, with good yields reported for most vegetable crops. Processing tomatoes had a particularly good year with record yields and production.

NOTABLE CHANGES IN VEGETABLE PRODUCTION FROM 1998 TO 1999 WERE AS FOLLOWS:

Commodity	Percent Change
Artichokes	+ 29 %
Asparagus	+ 33 %
Broccoli	+ 10 %
Brussels Sprouts	- 19 %
Cabbage	- 11 %
Garlic	+ 20 %
Lettuce, Head	+ 32 %
Melons, Honeydew	+ 25 %
Onions, Spring	- 21 %
Tomatoes, Fresh Market	+ 12 %

Note to the Reader

Vegetable and melon estimates include commercial production, but exclude garden production and vegetables grown for seed. Prices for processing crops and processed segments of dual utilization crops are based upon equivalent returns at the processing plant door.

For fresh market sales, the price is on a packed and loaded basis, Free-On-Board (F.O.B.) shipping point. To avoid disclosure of individual plants, not all of California's data was published.



VEGETABLE AND MELON ACREAGE, PRODUCTION AND VALUE, 1990–1999



Crop	Crop Year	Harvested <i>Acres</i>	Yield Per Acre <i>Cwt.</i>	Production <i>1,000 Cwt.</i>	Value Per Cwt. ¹ <i>Dollars</i>	Total Value <i>\$1,000</i>
Artichokes ²	1992	9,600	115	1,104	39.40	43,447
	1993	9,200	110	1,012	50.80	51,435
	1994	9,200	130	1,196	56.40	67,474
	1995	8,900	92	819	75.70	61,965
	1996	8,900	100	890	73.50	65,416
	1997	9,300	100	930	79.50	73,910
	1998	9,700	90	873	70.60	61,633
	1999	9,800	115	1,125	56.60	63,673
Asparagus	1990	35,900	29	1,041	68.00	70,833
	1991	33,500	28	938	78.10	73,258
	1992	34,000	29	986	92.70	91,386
	1993	32,100	29	931	94.70	88,177
	1994	30,200	33	997	102.00	101,694
	1995	28,000	28	784	117.00	91,728
	1996	29,000	26	754	85.80	64,691
	1997	30,100	27	813	115.00	93,224
	1998	32,200	26	837	138.00	115,270
	1999	33,800	33	1,115	142.00	158,330
Beans, Fresh Market Snap ²	1992	6,900	90	621	27.40	17,015
	1993	7,300	80	584	49.90	29,142
	1994	7,500	70	525	57.20	30,030
	1995	7,000	100	700	50.20	35,140
	1996	7,800	90	702	47.80	33,566
	1997	4,500	100	450	52.00	23,400
	1998	4,700	95	447	67.80	30,307
	1999	5,100	80	408	57.20	23,338
Broccoli	1990	97,500	115	11,213	21.80	244,695
	1991	88,000	115	10,120	21.30	215,550
	1992	97,000	115	11,155	22.90	255,717
	1993	105,000	105	11,025	25.50	280,875
	1994	118,000	120	14,160	27.30	387,160
	1995	115,000	125	14,375	27.40	394,272
	1996	122,000	120	14,640	26.60	388,753
	1997	119,000	130	15,470	27.90	431,301
	1998	121,000	130	15,730	28.90	454,383
	1999	124,000	140	17,360	22.60	392,669
Brussels Sprouts ²	1992	3,500	160	560	30.50	17,104
	1993	5,000	160	800	30.90	24,756
	1994	3,500	180	630	24.60	15,471
	1995	3,400	165	561	25.70	14,390
	1996	3,800	180	684	29.40	20,120
	1997	3,200	160	512	41.40	21,180
	1998	3,200	160	512	41.00	20,985
	1999	3,200	130	416	35.40	14,731
Cabbage, Fresh Market ²	1992	11,500	335	3,853	9.60	37,143
	1993	12,000	360	4,320	13.70	59,184
	1994	10,000	385	3,850	13.40	51,590
	1995	10,000	370	3,700	15.50	57,350
	1996	10,000	350	3,500	12.60	44,100
	1997	13,800	340	4,692	14.90	69,911
	1998	14,000	330	4,620	16.50	76,230
	1999	12,500	330	4,125	13.50	55,688

VEGETABLE AND MELON ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*

Crop	Crop Year	Harvested Acres	Yield Per Acre Cwt.	Production 1,000 Cwt.	Value Per Cwt. ¹ Dollars	Total Value \$1,000
Carrots, Fresh Market ³	1990	—	—	15,852	11.20	177,542
	1991	—	—	14,240	14.00	199,360
	1992	—	—	14,940	13.90	207,666
	1993	75,200	300	22,560	11.10	250,416
	1994	75,900	360	27,324	12.70	347,015
	1995	72,500	300	21,750	16.60	361,050
	1996	85,700	300	25,710	13.60	349,656
	1997	83,200	360	29,998	13.00	389,974
	1998	86,500	345	29,843	11.40	340,210
	1999	87,000	360	31,320	17.30	541,836
Carrots, Processing ³	1990	—	—	2,100	4.25	8,925
	1991	—	—	2,000	4.78	9,550
	1992	—	—	2,160	4.35	9,396
	1993	6,800	294	2,000	4.85	9,700
	1994	4,100	618	2,532	3.81	9,635
	1995	5,500	462	2,542	3.64	9,254
	1996	4,300	670	2,880	3.02	8,698
	1997	2,700	641	1,730	3.28	5,666
	1998	4,500	628	2,826	3.35	9,453
	1999	4,400	623	2,739	3.99	10,917
Carrots, All	1990	56,100	320	17,952	10.40	186,467
	1991	56,000	290	16,240	12.90	208,910
	1992	60,000	285	17,100	12.70	217,062
	1993	82,000	300	24,560	10.59	260,116
	1994	80,000	373	29,856	11.95	356,650
	1995	78,000	311	24,292	15.24	370,304
	1996	90,000	318	28,590	12.53	358,354
	1997	85,900	369	31,728	12.47	395,640
	1998	91,000	359	32,669	10.70	349,663
	1999	91,400	373	34,059	16.23	552,753
Cauliflower	1990	51,300	120	6,156	24.80	152,929
	1991	42,000	130	5,460	26.60	145,054
	1992	42,000	130	5,460	28.40	155,001
	1993	48,000	136	6,540	29.70	194,545
	1994	47,000	140	6,611	28.40	187,654
	1995	43,000	137	5,875	33.70	198,275
	1996	41,500	152	6,310	32.30	203,499
	1997	37,500	154	5,790	31.40	181,829
	1998	39,000	150	5,850	31.20	182,650
	1999	41,000	155	6,355	26.20	166,327
Celery	1990	24,800	597	14,812	10.80	159,999
	1991	20,900	670	14,003	10.30	143,739
	1992	23,500	670	15,750	12.10	190,445
	1993	24,000	680	16,320	14.70	240,081
	1994	24,500	690	16,905	11.80	198,695
	1995	24,000	685	16,440	16.50	272,037
	1996	24,500	700	17,150	10.60	181,606
	1997	24,000	695	16,680	14.80	247,371
	1998	24,500	680	16,666	12.20	203,126
	1999	25,000	700	17,500	11.70	204,863



VEGETABLE AND MELON ACREAGE, PRODUCTION AND VALUE, 1990-1999 *continued*

Crop	Crop Year	Harvested <i>Acres</i>	Yield Per Acre <i>Cwt.</i>	Production <i>1,000 Cwt.</i>	Value Per Cwt. ¹ <i>Dollars</i>	Total Value <i>\$1,000</i>
Corn, Fresh Market Sweet	1990	20,000	95	1,900	16.70	31,730
	1991	16,300	120	1,956	16.30	31,883
	1992	18,500	130	2,405	16.00	38,480
	1993	20,000	140	2,800	17.80	49,840
	1994	21,600	140	3,024	18.30	55,339
	1995	22,300	150	3,345	18.70	62,552
	1996	24,100	155	3,736	17.60	65,754
	1997	27,000	145	3,915	17.20	67,338
	1998	32,000	175	5,600	15.80	88,480
	1999	31,000	185	5,735	15.80	90,613
Cucumbers, Fresh Market ²	1992	4,500	300	1,350	28.30	38,205
	1993	5,600	250	1,400	27.10	37,940
	1994	5,000	250	1,250	24.90	31,125
	1995	5,200	315	1,638	25.90	42,424
	1996	6,000	330	1,980	28.20	55,836
	1997	6,300	315	1,985	24.70	49,030
	1998	6,000	320	1,920	30.90	59,328
	1999	6,500	310	2,015	27.20	54,808
Garlic ²	1992	23,000	165	3,795	27.10	102,854
	1993	26,000	160	4,160	31.80	132,470
	1994	27,000	170	4,590	40.10	183,852
	1995	28,500	165	4,703	31.40	147,714
	1996	35,000	175	6,125	32.10	196,333
	1997	33,000	170	5,610	47.90	268,776
	1998	38,000	145	5,510	37.70	207,511
	1999	40,000	165	6,600	30.20	198,990
Lettuce, Head	1990	162,200	345	55,959	12.20	682,700
	1991	152,000	335	50,920	11.80	600,856
	1992	147,000	360	52,920	13.00	687,960
	1993	141,000	360	50,760	16.50	837,540
	1994	153,000	330	50,490	14.60	737,154
	1995	144,000	295	42,480	25.00	1,062,000
	1996	150,500	290	43,645	15.40	672,133
	1997	141,000	350	49,350	19.40	957,390
	1998	135,000	315	42,525	16.30	693,158
	1999	147,500	380	56,050	13.70	767,885
Lettuce, Leaf ²	1992	32,000	215	6,880	22.40	154,112
	1993	37,000	205	7,585	27.70	210,105
	1994	35,000	225	7,875	28.10	221,288
	1995	37,000	210	7,770	31.90	247,863
	1996	36,000	210	7,560	25.10	189,756
	1997	42,000	205	8,660	28.30	245,385
	1998	38,000	215	8,170	30.50	249,185
	1999	36,000	220	7,920	23.80	188,496
Lettuce, Romaine ²	1992	15,500	300	4,650	18.10	84,165
	1993	19,000	280	5,320	18.60	98,952
	1994	24,000	280	6,720	21.40	143,808
	1995	23,000	280	6,440	24.40	157,136
	1996	23,500	275	6,463	18.60	120,212
	1997	25,000	280	7,000	19.20	134,400
	1998	26,000	280	7,280	21.60	157,248
	1999	26,500	280	7,420	17.80	132,076



VEGETABLE AND MELON ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*

Crop	Crop Year	Harvested Acres	Yield Per Acre Cwt.	Production 1,000 Cwt.	Value Per Cwt. ¹ Dollars	Total Value \$1,000
Lettuce, All	1992	194,500	331	64,450	14.40	926,237
	1993	197,000	323	63,665	18.00	1,146,597
	1994	212,000	307	65,085	16.90	1,102,250
	1995	204,000	278	56,690	25.90	1,466,999
	1996	210,000	275	57,668	17.00	982,101
	1997	208,000	313	65,010	20.60	1,337,175
	1998	199,000	291	57,975	19.00	1,099,591
	1999	210,000	340	71,390	15.20	1,088,457
Melons, Cantaloupe ⁴	1990	90,200	150	13,530	9.20	124,476
	1991	—	—	—	—	—
	1992	64,000	180	11,520	14.00	161,280
	1993	65,000	190	12,350	15.30	188,955
	1994	59,300	190	11,267	15.90	179,145
	1995	59,300	200	11,860	17.30	205,178
	1996	59,000	220	12,980	17.90	232,342
	1997	62,300	210	13,083	17.70	231,569
	1998	58,000	220	12,760	17.10	218,196
	1999	64,500	210	13,545	17.00	230,265
Melons, Honeydew	1990	19,000	180	3,420	15.80	54,036
	1991	18,200	140	2,548	15.60	39,749
	1992	17,500	180	3,150	13.00	40,950
	1993	16,500	160	2,640	16.70	44,088
	1994	20,500	165	3,383	16.10	54,466
	1995	18,100	160	2,896	18.70	54,155
	1996	20,300	170	3,451	16.50	56,942
	1997	20,500	180	3,690	18.50	68,265
	1998	19,000	190	3,610	19.30	69,673
	1999	21,500	210	4,515	19.90	89,849
Melons, Watermelon ²	1992	15,000	400	6,000	8.72	52,320
	1993	16,000	420	6,720	8.00	54,029
	1994	16,700	430	7,181	9.90	71,164
	1995	16,800	380	6,364	14.30	91,291
	1996	17,100	440	7,524	10.50	79,002
	1997	17,000	460	7,820	10.90	85,283
	1998	15,000	450	6,750	12.30	83,025
	1999	14,700	430	6,321	9.90	62,578
Mushrooms, Agaricus	1990	545	2,440	1,330	96.00	127,701
	1991	532	2,453	1,305	97.60	127,446
	1992	488	2,498	1,219	99.40	121,208
	1993	528	2,434	1,285	101.00	129,866
	1994	501	2,475	1,240	106.00	130,911
	1995	503	2,682	1,349	104.00	140,796
	1996	514	2,549	1,310	109.00	142,642
	1997	529	2,461	1,302	120.00	155,554
	1998	563	2,378	1,338	118.52	158,638
	1999	548	2,412	1,322	122.28	161,612
Onions, Spring	1990	8,500	420	3,570	11.10	39,627
	1991	8,000	395	3,160	18.00	56,880
	1992	9,000	400	3,600	11.80	42,480
	1993	9,500	430	4,085	18.00	73,530
	1994	8,800	435	3,828	8.00	30,701
	1995	8,700	440	3,828	14.00	53,592
	1996	9,600	385	3,696	9.80	36,221
	1997	9,600	450	4,320	14.30	61,776
	1998	9,100	445	4,050	14.10	57,105
	1999	7,300	440	3,212	11.90	38,223



VEGETABLE AND MELON ACREAGE, PRODUCTION AND VALUE, 1990–1999 *continued*



Crop	Crop Year	Harvested Acres	Yield Per Acre Cwt.	Production 1,000 Cwt.	Value Per Cwt. ¹ Dollars	Total Value \$1,000
Onions, Summer ⁵	1990	30,500	380	11,590	7.49	85,067
	1991	28,600	370	10,582	7.06	73,510
	1992	27,500	375	10,313	8.26	82,946
	1993	36,500	395	14,418	8.00	113,115
	1994	33,200	410	13,612	6.30	83,915
	1995	32,100	415	13,322	7.20	93,649
	1996	33,500	430	14,405	7.70	108,860
	1997	31,300	440	13,772	7.84	105,793
	1998	32,700	440	14,388	9.70	137,139
1999	35,000	435	15,225	7.20	107,666	
Onions, All ⁵	1990	39,000	389	15,160	8.35	124,694
	1991	36,600	375	13,742	9.61	130,390
	1992	36,500	381	13,913	9.02	125,426
	1993	46,000	402	18,503	10.09	186,645
	1994	42,000	415	17,440	6.57	114,616
	1995	40,800	420	17,150	8.59	147,241
	1996	43,100	420	18,101	8.02	145,081
	1997	40,900	442	18,092	9.26	167,569
	1998	41,800	465	18,438	10.53	194,244
1999	42,300	345	18,437	7.91	145,889	
Peppers, Bell ²	1992	20,000	285	5,700	18.30	104,470
	1993	21,100	300	6,330	27.50	174,251
	1994	21,500	290	6,235	25.90	161,190
	1995	24,000	290	6,960	27.10	188,523
	1996	25,500	300	7,650	22.70	173,506
	1997	21,000	300	6,300	24.60	155,040
	1998	22,000	285	6,270	27.20	170,374
	1999	21,000	300	6,300	29.10	183,617
Spinach, Fresh Market ²	1992	7,000	205	1,435	18.20	26,117
	1993	5,000	215	1,075	31.00	33,325
	1994	7,100	205	1,456	30.80	44,845
	1995	8,400	160	1,340	34.50	46,230
	1996	9,000	150	1,350	30.90	41,715
	1997	15,200	175	2,660	31.20	82,992
	1998	15,000	160	2,400	35.40	84,960
	1999	17,000	155	2,635	29.70	78,260
Tomatoes, Fresh Market	1990	38,000	255	9,690	28.20	273,258
	1991	40,000	235	9,400	25.00	235,000
	1992	36,000	280	10,080	34.10	343,728
	1993	37,500	300	11,250	26.30	295,875
	1994	40,000	275	11,000	24.80	272,800
	1995	38,000	270	10,260	18.70	191,862
	1996	37,400	280	10,472	24.80	259,706
	1997	34,000	285	9,860	26.50	261,630
	1998	41,000	240	9,840	33.10	325,704
1999	44,000	250	11,000	22.00	242,000	
Miscellaneous Vegetables and Melons, Fresh Market and Processing ⁶	1990	249,000	—	94,080	—	711,961
	1991	298,000	—	126,200	—	884,344
	1992	94,000	—	35,100	—	347,442
	1993	164,000	—	58,260	—	656,547
	1994	207,000	—	77,920	—	827,313
	1995	184,000	—	67,020	—	825,877
	1996	240,000	—	87,460	—	936,082
	1997	167,000	—	62,340	—	779,337
	1998	212,000	—	73,700	—	921,633
1999	204,000	—	81,320	—	878,377	

¹ The processed price is based on equivalent returns at the processing plant door. The fresh market price is on a packed and loaded basis, F.O.B. shipping point.

² Program initiated for 1992.

³ Fresh market and processed acreage separated starting in 1993.

⁴ Data not published for 1991.

⁵ Onion production includes quantity harvested, but not marketed because of loss during storage (shrinkage): 1990–234,000 cwt., 1991–174,000 cwt., 1992–275,000 cwt., 1993–346,000 cwt., 1994–266,000 cwt., 1995–266,000 cwt., 1996–292,000 cwt., 1997–278,000 cwt., 1998–250,000 cwt., 1999–250,000 cwt. Storage loss amounts are excluded when computing total value.

⁶ Miscellaneous vegetables and melons include: Green lima beans for processing, oriental vegetables, green peas, chili peppers, squash, etc. The new crops added in 1992 are excluded from the 1992 to present miscellaneous totals. Miscellaneous figures come from county agricultural commissioners.

PROCESSING VEGETABLE ACREAGE, PRODUCTION AND VALUE, 1990-1999

Crop	Crop Year	Harvested	Yield Per Acre	Production	Value Per Ton		Total Value \$1,000
					First	Processing	
		<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	Delivery Point <i>Dollars</i>	Plant Door <i>Dollars</i>	
Tomatoes, Processing	1990	310,000	30.02	9,306,200	55.20	66.30	617,001
	1991	312,000	31.71	9,893,520	52.90	64.70	640,111
	1992	240,000	33.05	7,932,000	46.10	56.40	447,365
	1993	274,000	32.67	8,951,580	48.30	59.10	529,038
	1994	311,000	34.55	10,745,560	50.90	61.00	655,479
	1995	317,000	33.46	10,605,787	54.00	62.30	660,740
	1996	313,000	34.05	10,658,741	53.50	61.10	651,249
	1997	260,000	35.93	9,342,309	50.85	59.50	555,867
	1998	280,000	31.76	8,892,800	54.65	64.20	570,918
	1999	329,000	37.20	12,239,300	59.85	70.50	862,871
Cucumbers, Pickles	1990	4,700	13.30	62,510	—	214.00	13,377
	1991	4,200	13.01	54,640	—	230.00	12,567
	1992	2,500	16.10	40,250	—	209.00	8,412
	1993	4,200	10.24	43,010	—	192.00	8,258
	1994	4,900	9.26	45,370	—	183.00	8,303
	1995	5,200	8.10	42,120	—	383.00	16,132
	1996	6,200	7.00	43,400	—	370.00	16,058
	1997	4,200	7.19	30,200	—	296.00	8,939
	1998	4,500	6.56	29,520	—	235.00	6,937
	1999	4,400	10.00	44,000	—	280.00	12,320



VEGETABLES AND MELONS

PROCESSING TOMATOES BY COUNTY, 1999

County	Contracted and Open Market		Yield Per Acre <i>Tons</i>	Production ¹ <i>Tons</i>
	Area Planted	Area Harvested		
	<i>Acres</i>	<i>Acres</i>		
Colusa	28,400	27,300	35.73	975,400
Contra Costa	2,600	2,600	40.50	105,300
Fresno	114,600	114,600	39.44	4,520,000
Kern	3,700	3,600	39.42	141,900
Madera	1,600	1,600	40.00	64,000
Merced	14,800	14,800	38.85	575,000
Sacramento	7,300	6,300	33.06	208,300
San Joaquin	31,700	31,200	36.48	1,138,200
Solano	18,700	16,800	34.27	575,800
Stanislaus	19,000	18,200	36.39	662,300
Sutter	18,700	17,500	34.71	607,400
Yolo	63,500	62,100	34.90	2,167,200
Other Counties ²	12,400	12,400	40.20	498,500
Total	337,000	329,000	37.20	12,239,300

¹ On the basis of PAID FOR TONNAGE purchased from growers as reported by processors, dockage not included.

² To avoid disclosure of individual operations, "Other Counties" includes: Alameda, Glenn, Imperial, Kings, Monterey, San Benito, Santa Clara, Tulare and Ventura.

VEGETABLE AND MELON MONTHLY AVERAGE PRICES RECEIVED, 1997-1999 ¹



Crop	Crop Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
		<i>Dollars Per Cwt.</i>											
Asparagus	1997	161.00	140.00	116.00	109.00	92.40	154.00	—	—	—	—	—	—
	1998	179.00	158.00	144.00	134.00	123.00	164.00	234.00	211.00	199.00	152.00	148.00	—
	1999	141.00	119.00	178.00	128.00	123.00	158.00	214.00	228.00	171.00	130.00	—	268.00
Broccoli	1997	36.80	27.80	25.90	24.20	23.10	30.30	27.50	23.30	31.20	40.70	27.00	30.20
	1998	33.80	26.80	30.70	40.70	27.10	29.60	23.30	27.60	29.20	32.80	29.70	35.00
	1999	27.10	20.10	21.70	20.30	18.60	23.10	18.70	27.40	29.30	23.00	22.50	20.90
Carrots	1997	14.90	14.60	13.30	12.50	12.50	12.60	12.50	12.50	12.50	12.50	12.30	16.90
	1998	12.50	12.70	12.70	12.00	11.40	11.50	10.60	10.40	10.20	10.60	11.30	11.00
	1999	16.10	19.60	21.20	26.30	24.80	21.80	15.50	12.40	10.40	11.10	11.60	11.30
Cauliflower	1997	29.60	33.80	32.60	27.70	20.70	31.20	38.90	22.90	34.50	49.30	27.60	28.90
	1998	35.10	44.00	49.50	43.80	35.50	26.40	23.20	25.30	31.30	23.60	42.30	50.00
	1999	29.40	29.40	37.60	45.80	23.40	25.50	19.30	24.80	20.30	20.00	25.00	29.80
Celery	1997	16.20	16.20	12.30	10.50	15.40	9.89	19.00	16.40	14.00	13.40	18.40	19.10
	1998	11.20	11.40	16.40	13.80	15.40	12.40	9.99	9.39	9.80	9.91	11.90	14.00
	1999	9.51	8.47	8.35	10.20	12.80	18.30	13.80	9.81	9.77	8.48	13.60	14.00
Corn, Sweet	1997	—	—	—	20.30	18.80	14.90	15.80	14.90	16.50	18.20	19.80	19.70
	1998	—	—	—	33.60	20.00	14.80	12.60	11.00	15.20	26.20	25.60	24.50
	1999	—	—	—	—	19.30	14.60	13.90	15.80	12.10	17.60	24.70	17.00
Melons, Honeydew	1997	—	—	—	—	28.50	21.00	14.40	12.60	22.70	31.90	21.20	18.00
	1998	—	—	—	—	25.20	23.00	22.30	15.00	13.00	15.00	17.80	16.00
	1999	—	—	—	—	—	22.60	16.60	16.00	20.20	28.50	20.70	20.00
Lettuce, Head	1997	15.20	10.00	13.80	15.80	10.50	14.70	17.00	22.80	22.30	35.10	26.90	32.50
	1998	19.40	11.30	16.60	28.10	14.70	11.40	15.40	16.20	14.00	21.30	10.60	12.50
	1999	11.10	15.50	37.60	20.80	14.00	11.40	12.50	11.90	13.00	13.00	11.20	12.00
Onions, Spring	1997	—	—	—	16.60	12.60	15.50	14.10	—	—	—	—	—
	1998	—	—	—	15.90	14.40	13.40	20.20	—	—	—	—	—
	1999	—	—	—	10.80	11.30	11.80	13.10	—	—	—	—	—
Onions, Summer	1997	19.60	14.60	—	—	—	—	14.10	14.20	11.20	9.90	12.40	16.20
	1998	17.00	21.00	23.00	—	—	—	20.20	13.50	13.40	12.20	13.00	16.00
	1999	17.50	16.70	12.80	—	—	—	11.20	10.70	10.10	9.22	9.28	—
Tomatoes	1997	—	—	—	—	36.90	27.30	25.40	25.40	23.20	23.30	41.10	—
	1998	—	—	—	—	29.20	25.70	43.10	20.40	26.60	43.10	37.60	—
	1999	—	—	—	—	50.00	27.80	20.30	22.50	25.30	18.90	20.30	20.30

¹ Prices are F.O.B. shipping point.

Agricultural Export Statistics

California continues to set the pace for the rest of the nation by remaining the country's largest agricultural producer and exporter. It is the quality, freshness and unparalleled taste of California's food and agricultural products that drive this demand.

With over 350 different agricultural commodities, California's bounty is a main ingredient in the salad bowls, fruit baskets and markets of the world. The Golden State's agricultural products can be found from Europe to Asia, and from Africa to Latin America.

California's agricultural export statistics were generated for the top 10 export destinations in 1999. Included within this profile of destinations is an abstract of California's agricultural exports to the European Union. In addition, California's top 48 agricultural commodities were traced to destinations around the world. To complete the profile, a listing of commodity export values and a table providing a comparison between production and export quantities is included. This statistical abstract provides an excellent overview of California's agriculture and its prominence in the international market.

The 1999 California agricultural export statistics reveal that total exports declined by an estimated 8 percent between 1998 and 1999. This decrease can be attributed primarily to a decline in exports of two of California's high value agricultural products: almonds and cotton. Resulting from reduced yield of the 1998 crop, supplies of

almonds and cotton were lower in 1999. Almond and cotton products are extremely export dependent and total exports for these commodities in 1999 were valued at just over \$1 billion. California's agricultural exports in 1999 declined an estimated \$534 million, of which \$439 million or 82 percent can be attributed to the decrease in almond and cotton exports. In addition to reduced crop supply, other factors influencing the decline were unfavorable exchange rates and lingering effects of the Asian economic crisis.

While California experienced an overall decrease in agricultural exports, many commodities demonstrated phenomenal export growth. For instance, California cherry exports rebounded by an estimated 367 percent from 1998 weather damage. Other commodities increasing in export value include fresh tomatoes, eggs and artichokes. These three commodities, on average, experienced export growth of between 40 and 70 percent.

These agricultural export statistics demonstrate that California's farmers export, on average, 16 percent of what they grow. While the dependency on export varies among commodities, California's farmers are increasingly affected by the global nature of agriculture.

The California Department of Food and Agriculture's Agricultural Export Program is mandated to assist California agriculture in market development and expand world trade to maximize growth in the state's economy.



Agricultural Export Statistics: Methodology

California agricultural export statistics are developed by the University of California Agricultural Issues Center in consultation with the California Department of Food and Agriculture. Data to compute agricultural exports are derived from official government sources, published industry sources, and unpublished information from government and industry.

The United States' export quantities and values and California port exports are from Department of Commerce trade data posted on the United States International Trade Commission online database (<http://dataweb.usitc.gov>). Canadian import data are from Statistics Canada online database (www.statcan.ca/start.html). Production quantities and values are from various National Agricultural Statistics Service and Economic Research Service publications.

For further information on the precise methodology employed by Daniel Sumner, Ph.D., Director, Agricultural Issues Center, contact the Agricultural Export Program at (916) 654-0389.



CALIFORNIA AGRICULTURAL COMMODITY EXPORT VALUES AND RANKINGS, 1998-1999



Commodity	Rank	1999 California Export Value <i>Millions</i>	Rank	1998 (Revised) California Export Value <i>Millions</i>	Percent Change (1998-1999)
Almonds	1	623.8	1	759.5	-18%
Wine	2	498.5	3	505.7	-1%
Cotton	3	429.5	2	733.7	-41%
Table Grapes ¹	4	312.6	6	265.5	18%
Milk and Cream	5	311.1	5	275.1	13%
Tomatoes, Processed	6	222.8	7	224.4	-1%
Rice ¹	7	194.2	8	208.0	-7%
Raisins	8	191.7	9	194.6	-1%
Walnuts	9	147.5	11	150.5	-2%
Lettuce	10	144.6	13	125.6	15%
Beef and Products ¹	11	141.5	10	162.3	-13%
Oranges	12	139.1	4	320.2	-57%
Strawberries	13	133.7	14	122.0	10%
Prunes	14	130.2	12	134.1	-3%
Peaches/Nectarines ¹	15	108.2	16	92.0	18%
Pistachios	16	89.4	15	120.3	-26%
Broccoli	17	87.4	18	88.8	-2%
Hay	18	86.9	17	89.8	-3%
Lemons	19	86.8	19	87.1	0%
Cherries	20	63.8	35	13.7	367%
Tomatoes, Fresh	21	56.6	28	36.9	53%
Carrots	22	55.5	22	50.0	11%
Cauliflower	23	52.3	21	51.6	1%
Plums ¹	24	51.9	20	52.4	-1%
Flowers and Nursery	25	45.1	23	47.2	-4%
Asparagus	26	44.5	26	40.6	9%
Grapefruit	27	43.3	25	41.1	5%
Onions	28	42.6	27	39.7	7%
Celery	29	40.0	24	42.5	-6%
Apples	30	38.1	31	35.3	8%
Melons	31	36.9	30	35.3	5%
Grape Juice	32	31.6	32	28.5	11%
Garlic	33	30.4	29	36.2	-16%
Dry Beans	34	22.1	33	25.4	-13%
Pears	35	21.7	34	17.2	26%
Apricots ¹	36	15.6	41	11.3	38%
Eggs	37	12.8	44	7.7	66%
Olives	38	12.5	37	13.3	-6%
Chickens	39	11.2	39	12.8	-13%
Dates	40	10.9	42	11.0	-1%
Turkey	41	10.6	38	13.1	-19%
Kiwi	42	9.2	43	8.0	15%
Bell Peppers	43	8.6	40	12.7	-32%
Figs	44	7.6	46	5.8	31%
Avocados ¹	45	7.2	48	5.2	38%
Cottonseed oil	46	6.6	45	7.2	-9%
Wheat	47	5.7	36	13.5	-58%
Artichokes	48	3.9	49	2.7	44%
Potatoes	49	3.5	47	5.6	-39%
Mushrooms	50	1.1	50	1.0	6%
Total Principal Commodities		\$4,882.6		\$5,383.9	-9%
Total Other Products		\$1,232.2		\$1,265.9	-3%
Total All Agricultural Exports		\$6,114.8		\$6,649.7	-8%

¹ The methods used to determine exports for these commodities were updated in 2000 and applied to 1999 data and 1998 revised data.

MAJOR CALIFORNIA AGRICULTURAL EXPORTS TO THE TOP DESTINATIONS, 1999 ¹

	Rank	Approximate Export Value <i>Millions</i>		Rank	Approximate Export Value <i>Millions</i>
(1) Canada			(2) Japan		
Table Grapes	1	119	Rice	1	144
Tomatoes, Processed	2	115	Cotton, Lint	2	109
Lettuce	3	102	Hay	3	74
Wine	4	84	Wine	4	70
Strawberries	5	78	Beef and Products	5	69
Carrots	6	50	Almonds	6	62
Tomatoes, Fresh	7	43	Raisins	7	59
Peaches/Nectarines	8	42	Lemons	8	51
Broccoli	9	38	Oranges	9	44
Oranges	10	35	Broccoli	10	41
Almonds	11	35	Strawberries	11	40
Onions	12	31	Prunes	12	33
Melons	13	27	Milk and Cream	13	31
Flowers and Nursery	14	26	Cherries	14	30
Celery	15	26	Grapefruit	15	30
Cauliflower	16	23	Walnuts	16	29
Raisins	17	22	Cauliflower	17	28
Plums	18	20	Tomatoes, Processed	18	24
Grape Juice	19	19	Asparagus	19	21
Lemons	20	17	Pistachios	20	9
Asparagus	21	15	Melons	21	8
Walnuts	22	12	Lettuce	22	7
Cherries	23	12	Table Grapes	23	7
Pears	24	10	Grape Juice	24	5
Prunes	25	10	Peaches/Nectarines	25	5
Pistachios	26	9	Apricots	26	3
Garlic	27	7	Onions	27	3
Apples	28	7	Figs	28	2
Grapefruit	29	7	Olives	29	2
Apricots	30	6	Pears	30	2
Olives	31	4	Others ¹		12
Kiwi	32	4	Total ¹		\$1,054
Figs	33	3	(3) Mexico		
Artichokes	34	3	Milk and Cream	1	116
Dates	35	2	Table Grapes	2	28
Others ¹		4	Tomatoes, Processed	3	18
Total ¹		\$1,067	Almonds	4	16
			Walnuts	5	15
			Beef and Products	6	9
			Flowers and Nursery	7	8
			Lettuce	8	8
			Cotton, Lint	9	8
			Peaches/Nectarines	10	7
			Strawberries	11	7
			Pears	12	5
			Plums	13	5
			Tomatoes, Fresh	14	4
			Wine	15	4
			Garlic	16	3
			Apricots	17	3
			Raisins	18	3
			Rice	19	2
			Oranges	20	2
			Lemons	21	2
			Others ¹		8
			Total ¹		\$281



MAJOR CALIFORNIA AGRICULTURAL EXPORTS TO THE TOP DESTINATIONS, 1999 ¹ *continued*



Rank	Approximate Export Value <i>Millions</i>	Rank	Approximate Export Value <i>Millions</i>	
(4) United Kingdom		(7) Germany		
Wine	1 126	Almonds	1 109	
Raisins	2 33	Walnuts	2 19	
Almonds	3 31	Prunes	3 18	
Table Grapes	4 20	Wine	4 14	
Prunes	5 10	Pistachios	5 10	
Tomatoes, Processed	6 4	Raisins	6 8	
Garlic	7 4	Cotton, Lint	7 5	
Strawberries	8 4	Others ¹	6	
Others ¹	20	Total ¹	\$189	
Total ¹	\$252	(8) South Korea		
(5) Hong Kong		Cotton, Lint	1 70	
Table Grapes	1 50	Beef and Products	2 38	
Almonds	2 19	Oranges	3 15	
Cotton, Lint	3 19	Milk and Cream	4 12	
Pistachios	4 19	Almonds	5 11	
Milk and Cream	5 18	Tomatoes, Processed	6 9	
Oranges	6 18	Grape Juice	7 6	
Lettuce	7 14	Hay	8 4	
Plums	8 9	Raisins	9 2	
Lemons	9 7	Wine	10 2	
Cherries	10 6	Others ¹	9	
Tomatoes, Processed	11 5	Total ¹	\$178	
Celery	12 4	(9) Netherlands		
Broccoli	13 4	Wine	1 74	
Wine	14 4	Almonds	2 42	
Beef and Products	15 4	Prunes	3 7	
Peaches/Nectarines	16 3	Pistachios	4 7	
Raisins	17 3	Raisins	5 5	
Prunes	18 2	Walnuts	6 4	
Figs	19 2	Avocados	7 3	
Others ¹	7	Others ¹	13	
Total ¹	\$217	Total ¹	\$155	
(6) Taiwan		(10) Spain		
Peaches/Nectarines	1 37	Almonds	1 75	
Cotton, Lint	2 24	Walnuts	2 26	
Apples	3 23	Others ¹	9	
Table Grapes	4 21	Total ¹	\$110	
Milk and Cream	5 16	Other Destinations Receiving Between \$35 and \$65 Million of California's Agricultural Exports in 1999		
Plums	6 13	Australia	Belgium	China
Beef and Products	7 13	France	India	Indonesia
Cherries	8 8	Italy	Malaysia	Philippines
Hay	9 8	Singapore	Sweden	Switzerland
Almonds	10 8			
Oranges	11 6			
Raisins	12 5			
Wine	13 5			
Lettuce	14 4			
Broccoli	15 4			
Celery	16 3			
Prunes	17 3			
Walnuts	18 2			
Others ¹	6			
Total ¹	\$209			

¹ Commodities with exports of more than \$2 million to each destination are listed in order of the value of shipments. This table provides the approximate exports to each of the top destinations for the 33 California commodities with the largest total export values in 1999, and eight additional commodities for which California accounts for over 85 percent of U.S. exports, or for which reliable export data was available. For each of the nine commodities that are not included here, California accounts for less than 25 percent of U.S. exports, making it difficult to estimate export destinations with available data sources.

MAJOR CALIFORNIA AGRICULTURAL EXPORTS TO THE EUROPEAN UNION, 1999 ¹

	Rank	Approximate Export Value <i>Millions</i>
Almonds	1	352
Wine	2	256
Raisins	3	70
Walnuts	4	65
Prunes	5	59
Pistachios	6	37
Cotton, Lint	7	22
Table Grapes	8	22
Tomatoes, Processed	9	12
Garlic	10	10
Tomatoes, Fresh	11	9
Strawberries	12	6
Dates	13	5
Onions	14	5
Avocados	15	5
Rice	16	5
Lemons	17	3
Flowers and Nursery	18	3
Peaches/Nectarines	19	2
Asparagus	20	2
Others ¹		9
Total ¹		\$959

¹ Commodities with exports of more than \$2 million are listed in order of the value of shipments. This table provides the approximate exports to the European Union for the 33 California commodities with the largest total export values in 1999, and eight additional commodities for which California accounts for over 85 percent of U.S. exports, or for which reliable export data was available. For each of the nine commodities that are not included here, California accounts for less than 25 percent of U.S. exports, making it difficult to estimate export destinations with available data sources.





RATIO OF CALIFORNIA FARM QUANTITY EXPORTED TO FARM QUANTITY PRODUCED, 1999 ¹

Commodity (units)	Farm Quantity Exported	Farm Quantity Produced	Ratio of Farm Quantity Exported to Farm Quantity Produced ¹
	<i>Thousand farm-gate units</i>	<i>Thousand farm-gate units</i>	<i>Percentage</i>
Almonds (cwt)	4,581	8,033	57
Grapes, All (short tons)	982	5,473	18
Cotton, Lint (bales)	1,354	2,100	64
Milk and Cream (cwt)	21,459	304,750	7
Tomatoes, Processed (short tons)	1,212	12,239	10
Rice (cwt)	12,927	38,850	33
Walnuts (short tons)	71	283	25
Lettuce (cwt)	6,281	71,390	9
Beef and Products (cwt)	1,077	12,529	9
Oranges (boxes)	10,194	38,000	27
Strawberries (cwt)	1,954	15,155	13
Prunes (short tons)	72	178	40
Peaches/Nectarines (cwt)	2,153	13,070	16
Pistachios (cwt)	518	1,220	42
Broccoli (cwt)	2,859	17,360	16
Hay (short tons)	592	8,462	7
Lemons (boxes)	3,187	20,500	16
Cherries, (short tons)	17	80	21
Tomatoes, Fresh (cwt)	1,623	11,000	15
Carrots (cwt)	2,162	31,320	7
Cauliflower (cwt)	1,715	6,733	25
Plums (short tons)	60	196	31
Asparagus (cwt)	340	1,115	30
Grapefruit (boxes)	3,516	8,000	44
Onions (cwt)	4,979	18,437	27
Celery (cwt)	2,540	17,500	15
Apples (cwt)	1,995	8,250	24
Melons (cwt)	1,889	24,381	8
Garlic (cwt)	866	6,600	13
Dry Beans (cwt)	717	2,048	35
Pears (short tons)	29	322	9
Apricots (short tons)	23	85	26
Eggs (dozens)	12,850	550,500	2
Olives (short tons)	11	145	8
Chickens (cwt)	515	12,832	4
Dates (short tons)	4	22	16
Turkey (cwt)	577	4,288	13
Kiwi (short tons)	8	25	30
Bell Peppers (cwt)	201	6,300	3
Figs (short tons)	8	45	18
Avocados (short tons)	7	133	5
Cottonseed Oil (short tons)	96	597	16
Wheat (bushels)	1,617	37,785	4
Artichokes (cwt)	77	1,125	7
Potatoes (cwt)	243	16,227	1
Mushrooms (cwt)	56	1,322	4
Weighted Average for the Top 50 Commodities			16

¹ This ratio is expressed as a percentage and is derived by dividing the farm quantity exported in 1999 by the farm quantity produced in 1999. The ratio does not necessarily represent the share of 1999 production that was exported, since much of the production of summer and fall harvested crops is often exported in the subsequent year, and conversely a sizeable share of current calendar-year exports were likely produced in the previous year.

**MAJOR DESTINATIONS FOR CALIFORNIA AGRICULTURAL
EXPORT COMMODITIES, 1999 ¹**

Commodity <i>Rank by Export Value</i>	Rank	Approximate Percent	Commodity <i>Rank by Export Value</i>	Rank	Approximate Percent
(1) Almonds			(11) Beef and Products		
Germany	1	17	Japan	1	49
Spain	2	12	South Korea	2	27
Japan	3	10	Taiwan	3	9
Netherlands	4	7	Mexico	4	7
India	5	7	(12) Oranges		
Canada	6	6	Japan	1	31
(2) Wine			Canada	2	25
United Kingdom	1	25	Hong Kong	3	13
Canada	2	17	South Korea	4	10
Netherlands	3	15	(13) Strawberries		
Japan	4	14	Canada	1	58
(3) Cotton			Japan	2	30
Japan	1	25	(14) Prunes		
South Korea	2	16	Japan	1	25
Indonesia	3	11	Germany	2	14
Taiwan	4	6	Italy	3	9
(4) Table Grapes			United Kingdom	4	8
Canada	1	38	Canada	5	8
Hong Kong	2	16	Netherlands	6	5
Mexico	3	9	(15) Peaches & Nectarines		
Taiwan	4	7	Canada	1	39
United Kingdom	5	6	Taiwan	2	35
Philippines	6	6	Mexico	3	7
(5) Milk and Cream			(16) Pistachios		
Mexico	1	37	Hong Kong	1	21
Japan	2	10	Belgium	2	11
Philippines	3	8	Germany	3	11
Hong Kong	4	6	Japan	4	10
(6) Tomatoes, Processed			Canada	5	10
Canada	1	52	Netherlands	6	8
Japan	2	11	(17) Broccoli		
Mexico	3	8	Japan	1	47
(7) Rice			Canada	2	43
Japan	1	74	(18) Hay		
Turkey	2	10	Japan	1	86
(8) Raisins			Taiwan	2	9
Japan	1	31	(19) Lemons		
United Kingdom	2	17	Japan	1	58
Canada	3	12	Canada	2	19
(9) Walnuts			Hong Kong	3	8
Japan	1	19	(20) Cherries		
Spain	2	17	Japan	1	48
Germany	3	13	Canada	2	19
Mexico	4	10	Taiwan	3	13
Canada	5	8	Hong Kong	4	9
Italy	6	8	(21) Tomatoes, Fresh		
Israel	7	5	Canada	1	75
(10) Lettuce			Belgium	2	10
Canada	1	71	Mexico	3	7
Hong Kong	2	10			
Mexico	3	5			



¹ Destinations receiving at least 5 percent of the exports for a commodity.

**MAJOR DESTINATIONS FOR CALIFORNIA AGRICULTURAL
EXPORT COMMODITIES, 1999 ¹ continued**



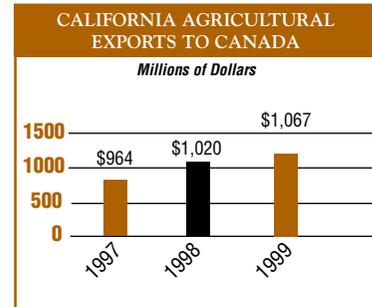
Commodity <i>Rank by Export Value</i>	Rank	Approximate Percent	Commodity <i>Rank by Export Value</i>	Rank	Approximate Percent
(22) Carrots			(35) Pears		
Canada	1	90	Canada	1	45
(23) Cauliflower			Mexico	2	24
Japan	1	53	Japan	3	9
Canada	2	44	(36) Apricots		
(24) Plums			Canada	1	40
Canada	1	38	Mexico	2	20
Taiwan	2	24	Japan	3	19
Hong Kong	3	17	United Kingdom	4	8
Mexico	4	9	(38) Olives		
(25) Flowers & Nursery			Canada	1	36
Canada	1	58	Japan	2	17
Mexico	2	19	Mexico	3	6
(26) Asparagus			(40) Dates		
Japan	1	48	Canada	1	21
Canada	2	35	Australia	2	16
Switzerland	3	10	Netherlands	3	12
(27) Grapefruit			United Kingdom	4	12
Japan	1	70	France	5	7
Canada	2	15	Switzerland	6	6
(28) Onions			Sweden	7	6
Canada	1	73	(42) Kiwi		
Japan	2	6	Canada	1	48
(29) Celery			Japan	2	17
Canada	1	64	Mexico	3	12
Hong Kong	2	10	Taiwan	4	8
Taiwan	3	8	(44) Figs		
China	4	7	Canada	1	40
(30) Apples			Japan	2	28
Taiwan	1	60	Hong Kong	3	27
Canada	2	19	(45) Avocados		
(31) Melons			Netherlands	1	42
Canada	1	73	United Kingdom	2	17
Japan	2	22	Canada	3	16
(32) Grape Juice			Japan	4	14
Canada	1	60	Spain	5	6
South Korea	2	15	(48) Artichokes		
Japan	3	12	Canada	1	71
(33) Garlic			Japan	2	22
Canada	1	24			
United Kingdom	2	13			
Mexico	3	11			
Australia	4	9			
Japan	5	6			

¹ This table shows export destinations receiving at least 5 percent of the total exports for the top 33 export commodities, and for an additional eight commodities for which California accounts for over 85 percent of U.S. exports, or for which reliable export data was available. For each of the nine commodities that are not included here, California accounts for less than 25 percent of U.S. exports, making it difficult to estimate export destinations with available data sources.

Country Profile: Canada

Canada has replaced Japan as the leading agricultural export destination for California. In 1999, California exported over \$1 billion in agricultural products to Canada, representing approximately 11 percent of the United State's total agricultural exports to the country. Total United States agricultural exports to Canada were valued at \$9.3 billion in 1999. This represents the highest agricultural export levels to Canada since approximately 1970.

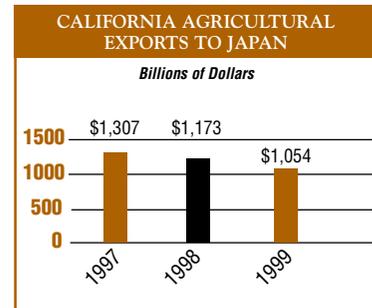
- Total United States agricultural exports to Canada have grown, on average, 2.5 percent per year since 1995.
- Canada is the largest export destination for California's fruit and vegetables. In 1999, over 70 percent of fresh tomato, lettuce, carrot and melon exports were destined for Canada.
- California's exports of table grapes, processed tomatoes and lettuce represent over 30 percent of California's total agricultural exports to Canada.



Country Profile: Japan

Japan represents the second largest agricultural export market for California, yet it remains the largest destination for total agricultural exports from the United States. California exported just over \$1 billion in agricultural products and commodities to Japan in 1999, representing a 5 percent decrease from the 1998 export value of \$1.17 billion. In 1999, the United State's total agricultural exports to Japan increased less than 1 percent from the previous year.

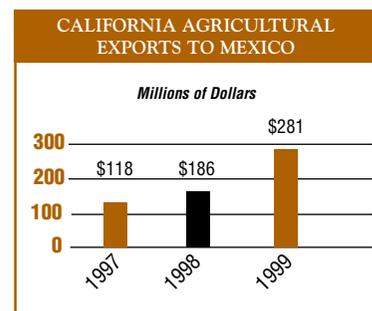
- California's agricultural exports to Japan have decreased, on average, by 3 percent per year since 1995.
- In 1996, the United State's total agricultural exports to Japan reached the highest levels since approximately 1970. Currently, the national total of agricultural exports to Japan is just below the 1996 benchmark of \$16.6 billion.
- Rice and cotton lead California's agricultural exports to Japan, representing an estimated 24 percent of total exports to the country.



Country Profile: Mexico

In 1997, Mexico was the tenth largest agricultural export destination for California. Over the course of the last two years, Mexico has become the third largest export destination for California's agricultural products. Total California agricultural exports to Mexico were valued at \$293 million in 1999.

- California's agricultural exports to Mexico have increased, on average, by 21 percent per year since 1997. Total United States agricultural exports to Mexico decreased 4 percent in 1999 to just over \$6 billion.
- California represents an estimated 4 percent of total agricultural exports to Mexico from the United States.
- Milk and cream products comprise an estimated 41 percent of total California agricultural exports to Mexico. Other leading California commodities to Mexico include table grapes, processed tomatoes, almonds and walnuts.



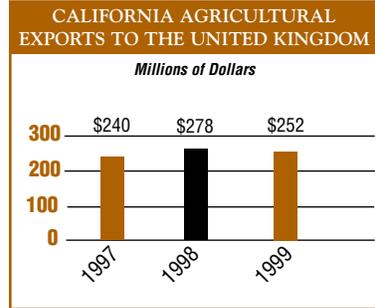


TOP 5 AGRICULTURAL EXPORT COUNTRY PROFILES *continued*

Country Profile: United Kingdom

The United Kingdom is California's fourth largest export market representing over \$252 million in total agricultural exports. California represents an estimated 17 percent of total agricultural exports to the United Kingdom from the United States. In 1999, these exports were valued at \$1.4 billion.

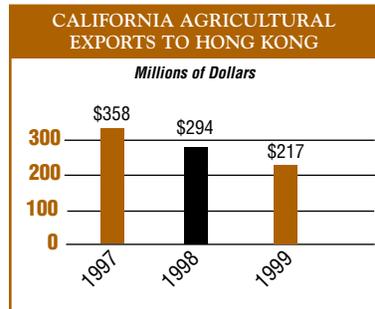
- California's agricultural exports to the United Kingdom decreased 5 percent from the previous year. This decline in total export value is reflective of small declines reported in California's high value exports of wine, dried fruit and nuts.
- The United Kingdom receives an estimated 25 percent of total California wine exports, making it the largest export destination for California wines.
- Dried fruit and nuts comprise an estimated 29 percent of California's total agricultural exports to the United Kingdom.



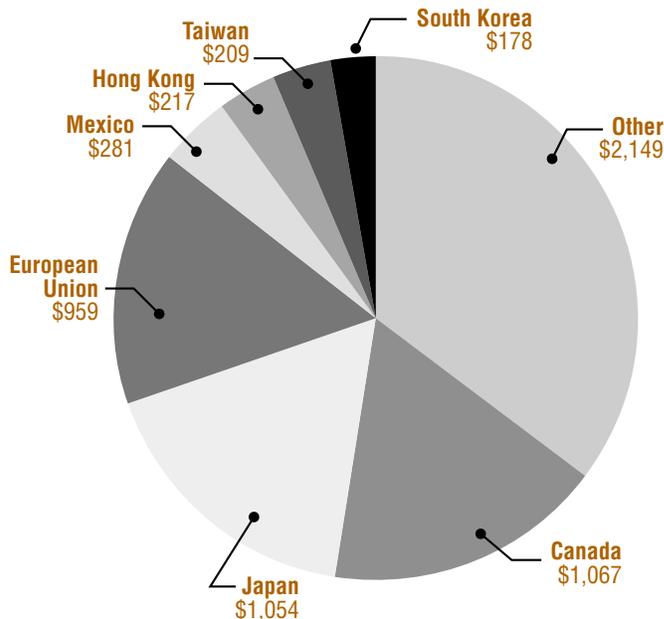
Country Profile: Hong Kong

Hong Kong is the fifth largest export destination for California. In 1999, California agricultural exports to Hong Kong were valued at \$217 million. In addition, California represents an estimated 16 percent of total agricultural exports from the United States. California's total agricultural exports to Hong Kong have declined steadily since 1997, when agricultural exports from the United States to Hong Kong had reached an all-time high.

- California's agricultural exports to Hong Kong have decreased, on average, by 12 percent per year since 1997.
- Hong Kong is the largest destination market for California pistachios. In 1999, Hong Kong received an estimated 21 percent of total California pistachio exports. Pistachios represent approximately 8 percent of total California agricultural exports to the country.
- An estimated 40 percent of California's agricultural exports to Hong Kong consist of table grapes, almonds and cotton.



CALIFORNIA AGRICULTURAL EXPORT DESTINATIONS



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Contact information (including organization name, address, phone, fax, e-mail and Web site) was correct at time of publication, but should always be verified.

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 9 West Gabilan, Suite 18
 Salinas, CA 93901
 (831) 753-7147; Fax (831) 753-7147

Nevada County
**Plant Health and
 Pest Prevention Services**
**Pest Exclusion – Agricultural
 Inspection Station**
 11900 Interstate 80
 Truckee, CA 96161
 (530) 587-3025; Fax (530) 587-6258

Orange County
Inspection Services
Avocado Inspection Program
 3315 East Mira Loma, Suite 120
 Anaheim, CA 92806
 (714) 996-6476

Inspection Services
Center for Analytical Chemistry
 169 East Liberty Avenue
 Anaheim, CA 92801
 (714) 680-7901; Fax (714) 680-7919

Measurement Standards
Anaheim Regional Office
 169 East Liberty Avenue
 Anaheim, CA 92801
 (714) 680-7896; Fax (714) 449-7249

**Plant Health and
 Pest Prevention Services**
Pest Detection/Emergency Projects
 3802 Constitution Avenue
 Los Alamitos, CA 90720
 (562) 795-1206; Fax (562) 795-1215

**Plant Health and
 Pest Prevention Services**
Pest Detection/Emergency Projects
 312 South Melrose Street
 Placentia, CA 92670
 (714) 993-4301; Fax (714) 993-0748

Riverside County
Inspection Services
Avocado Inspection Program
 27538 Commerce Center Drive,
 Suite 103
 Temecula, CA 92590
 (909) 676-6570

Inspection Services
Shipping Point Inspection Branch
 1677 Sixth Street
 Coachella, CA 92236
 (760) 398-0419; Fax (760) 398-2101

Inspection Services
Shipping Point Inspection Branch
 3576 Arlington Avenue, Suite 209
 Riverside, CA 92514
 (909) 782-3235; Fax (909) 682-7865

**Plant Health and
 Pest Prevention Services**
Integrated Pest Control Branch
 6143 Columbus Avenue
 Riverside, CA 92504
 (909) 782-4190; Fax (909) 782-4187

**Plant Health and
 Pest Prevention Services**
Pest Detection/Emergency Projects
 6143 Columbus Avenue
 Riverside, CA 92504
 (909) 782-4190; Fax (909) 782-4187

**Plant Health and
 Pest Prevention Services**
**Pest Exclusion – Agricultural
 Inspection Station**
 Post Office Box 2099
 7116 East Interstate 10
 Blythe, CA 92225
 (760) 922-3666; Fax (760) 922-4466

Sacramento County
Animal Health and Food Safety Services
**Milk and Dairy Foods
 Control Branch**
 1220 N Street, Room A-170
 Sacramento, CA 95814
 (916) 654-0773; Fax (916) 653-7512

**Plant Health and
 Pest Prevention Services**
Pest Exclusion Branch
 3294 Meadowview Road
 Sacramento, CA 95832
 (916) 262-1100; Fax (916) 262-1190

San Bernardino County
Animal Health and Food Safety Services
Animal Health Branch
 1910 South Archibald Avenue, Suite Y
 Ontario, CA 91761
 (909) 947-4462; Fax (909) 923-5128

Animal Health and Food Safety Services
**California Animal Health and Food
 Safety Laboratory System**
 Post Office Box 5579
 105 West Central Avenue
 San Bernardino, CA 92412
 (909) 383-4287; Fax (909) 884-5980

**Animal Health and Food Safety Services
Milk and Dairy Foods
Control Branch**
1910 South Archibald Avenue,
Suite W
Ontario, CA 91761-8502
(909) 923-9929; Fax (909) 923-0359

**Inspection Services
Agricultural Commodity and
Regulatory Services**
1910 South Archibald Avenue,
Suite W
Ontario, CA 91761-8502
(909) 930-9689; Fax (909) 923-5128

**Inspection Services
Egg Quality Control Program**
1910 South Archibald Avenue,
Suite X
Ontario, CA 91761-8502
(909) 923-5512; Fax (909) 923-9695

**Inspection Services
Fruit and Vegetable Standardization**
1910 South Archibald Avenue,
Suite X
Ontario, CA 91761-8502
(909) 923-5512; Fax (909) 923-9695

**Marketing Services
Market Enforcement Branch**
2151 Convention Center Way,
Suite 201-C
Ontario, CA 91764
(909) 937-0745; Fax (909) 937-0753

**Plant Health and
Pest Prevention Services
Pest Exclusion – Agricultural Inspection
Station**
Post Office Box 814
Interstate 40
Needles, CA 92363-0814
(760) 326-4150; Fax (760) 326-5016

**Plant Health and
Pest Prevention Services
Pest Exclusion – Agricultural
Inspection Station**
HCR 20, Box 410
State Highway 62
Vidal, CA 92280
(760) 665-8405; Fax (760) 665-2933

**Plant Health and
Pest Prevention Services
Pest Exclusion – Agricultural
Inspection Station**
Post Office Box 518
Interstate 15
Yermo, CA 92398-0518
(760) 254-2233; Fax (760) 254-2863

San Diego County
**Inspection Services
Avocado Inspection Program**
326 State Place
Escondido, CA 92029
(760) 743-4712; Fax (760) 747-2279

**Inspection Services
Avocado Inspection Program**
Post Office Box 2072
130 East Alvarado Street
Fallbrook, CA 92088
(760) 728-1817

**Inspection Services
Shipping Point Inspection Branch**
9765 Marconi Drive, Suite 102
San Diego, CA 92154
(619) 661-6355; Fax (619) 661-6963

**Plant Health and
Pest Prevention Services
Pest Detection/Emergency Projects**
7845 Lemon Grove Way, Suite A
Lemon Grove, CA 91945
(619) 698-0211; Fax (619) 698-1347

**Plant Health and
Pest Prevention Services
Pest Exclusion Branch**
7845 Lemon Grove Way, Suite A
Lemon Grove, CA 91945
(619) 698-1046; Fax (619) 698-1347

San Francisco County
**Marketing Services
Market Enforcement Branch**
5 Thomas Mellon Circle, Suite 232
San Francisco, CA 94134
(415) 469-6301; Fax (415) 469-6225

**Plant Health and
Pest Prevention Services
Pest Exclusion Branch**
185 Berry Street, Suite 200-A
San Francisco, CA 94107
(415) 243-0563; Fax (415) 243-8358

San Joaquin County
**Inspection Services
Agricultural Commodities and
Regulatory Services**
2403 West Washington Street,
Room 50
Stockton, CA 95203-2944
(209) 466-0441; Fax (209) 466-7218

**Inspection Services
Shipping Point Inspection Branch**
8338 North West Lane, Suite 101
Stockton, CA 95210
(209) 478-2011; Fax (209) 478-2529

**Inspection Services
Wine Grape Inspection**
2403 West Washington Street,
Room 50
Stockton, CA 95203-2944
(209) 466-0473; Fax (209) 466-2573

Santa Barbara County
**Inspection Services
Shipping Point Inspection Branch**
Post Office Box 2652
Santa Maria, CA 93457
(805) 934-9236; Fax (805) 934-9236

**Plant Health and
Pest Prevention Services
Pest Detection/Emergency Projects**
109 South La Patera Lane
Goleta, CA 93117
(805) 964-0712; Fax (805) 964-9654

Santa Clara County
**Plant Health and
Pest Prevention Services
Integrated Pest Control Branch**
1890 Dobbin Drive
San Jose, CA 95133-1701
(408) 254-8573; Fax (408) 254-4143

**Plant Health and
Pest Prevention Services
Pest Detection/Emergency Projects**
1890 Dobbin Drive
San Jose, CA 95133-1701
(408) 254-8573; Fax (408) 254-4143

Shasta County
**Animal Health and Food Safety Services
Animal Health Branch**
2135 Akard Avenue, Suite 8
Redding, CA 96001-2794
(530) 225-2140; Fax (530) 225-2240

**Measurement Standards
Redding Regional Office**
3609 Bechelli Lane, Suite E
Redding, CA 96002
(530) 224-2411; Fax (530) 224-2484

**Plant Health and
Pest Prevention Services
Integrated Pest Control Branch**
Pest Exclusion Branch
20235 Charlanne Drive
Redding, CA 96002
(530) 224-2425; Fax (530) 224-2427

Siskiyou County
**Plant Health and
Pest Prevention Services
Pest Exclusion – Agricultural Inspection
Station**
Post Office Box 826
US Highway 97
Dorris, CA 96023
(530) 397-4701; Fax (530) 397-4702

**Plant Health and
Pest Prevention Services
Pest Exclusion – Agricultural Inspection
Station**
14601 North Interstate 5
Hornbrook, CA 96044
(530) 475-3100; Fax (530) 475-3134

Solano County
**Inspection Services
Agricultural Commodities and
Regulatory Services**
800 Derr Street
Vallejo, CA 94590-7731
(707) 557-1928; Fax (707) 557-2278





Stanislaus County

**Animal Health and Food Safety Services
Animal Health Branch**
3800 Cornucopia Way, Suite F
Modesto, CA 95358-9494
(209) 491-9350; Fax (209) 491-9353

**Animal Health and Food Safety Services
California Animal Health and Food
Safety Laboratory System**
Post Office Box P
Fulkerth Avenue and Soderquist Road
Turlock, CA 95381
(209) 634-5837; Fax (209) 667-4261

**Inspection Services
Agricultural Commodity and
Regulatory Services**
3800 Cornucopia Way, Suite F
Modesto, CA 95358-9494
(209) 491-9347; Fax (209) 491-9353

**Inspection Services
Shipping Point Inspection Branch**
2546 Fourth Street
Ceres, CA 95307
(209) 537-0733; Fax (209) 537-2314

**Plant Health and
Pest Prevention Services
Pest Detection/Emergency Projects**
3800 Cornucopia Way, Suite F
Modesto, CA 95358-9494
(209) 491-9340; Fax (209) 491-9342

Sutter County

**Inspection Services
Shipping Point Inspection Branch**
40 Philadelphia Drive, Suite 104
Chico, CA 95973-0292
(530) 898-8427; Fax (530) 898-9034

Tulare County

**Animal Health and Food Safety Services
California Animal Health and Food
Safety Laboratory System**
18830 Road 112
Tulare, CA 93274
(559) 688-7543; Fax (559) 686-4231

**Inspection Services
Shipping Point Inspection Branch**
1117 West Visalia Road
Exeter, CA 93221
(559) 592-3414; Fax (559) 592-3251

**Plant Health and
Pest Prevention Services
Integrated Pest Control Branch**
22847 Road 140
Tulare, CA 93274
(559) 686-4973; Fax (559) 686-5496

**Plant Health and
Pest Prevention Services
Integrated Pest Control Branch**
Post Office Box 3468
31603 Road 132
Visalia, CA 93278
(559) 733-0463; Fax (559) 733-0480

Ventura County

**Inspection Services
Avocado Inspection Program**
1641 Pacifica Avenue, Suite 98
Oxnard, CA 93033
(805) 247-1203

**Inspection Services
Shipping Point Inspection Branch**
Post Office Box 528
Oxnard, CA 93032-0528
(805) 340-0582; Fax (805) 483-1975

Yolo County

**Animal Health and Food Safety Services
California Animal Health and Food
Safety Laboratory System**
Post Office Box 1770
University of California, Davis
Davis, CA 95617-1770
(530) 752-8709; Fax (530) 752-5680

**Inspection Services
Agricultural Commodities and
Regulatory Services**
2700 Industrial Boulevard
West Sacramento, CA 95691
(916) 445-6055; Fax (916) 327-5840

**Inspection Services
Shipping Point Inspection Branch**
3120 Freeboard Drive, Suite 110
West Sacramento, CA 95691
(916) 371-8063; Fax (916) 371-8073

State of Arizona

**Plant Health and
Pest Prevention Services
Integrated Pest Control Branch**
3645 East Chipman Road
Phoenix, AZ 85040
(602) 379-6918; Fax (602) 379-4794

County Agricultural Commissioners

**California Agricultural Commissioners
and Sealers Association**

316 Nelson Avenue
Oroville, CA 95965-3318
(530) 538-7381; Fax (530) 538-7594
E-mail: butteag@buttecounty.net

Alameda County

224 West Winton Avenue, Room 184
Hayward, CA 94544-1215
(510) 670-5232; Fax (510) 783-3928

Alpine County

311 Fair Lane
Placerville, CA 95667-4195
(530) 621-5520; Fax (530) 626-4756

Amador County

12200 Airport Road
Jackson, CA 95642-2399
(209) 223-6487; Fax (209) 223-3312

Butte County

316 Nelson Avenue
Oroville, CA 95965-3318
(530) 538-7381; Fax (530) 538-7594

Calaveras County

891 Mountain Ranch Road
San Andreas, CA 95249-9709
(209) 754-6504; Fax (209) 754-6521

Colusa County

100 Sunrise Boulevard, Suite F
Colusa, CA 95932-3246
(530) 458-0580; Fax (530) 458-5000

Contra Costa County

2366 A Stanwell Circle
Concord, CA 94520-5666
(925) 646-5250; Fax (925) 646-5732

Del Norte County

2650 Washington Boulevard
Crescent City, CA 95531-8627
(707) 464-7231; Fax (707) 465-6044

El Dorado County

311 Fair Lane
Placerville, CA 95667-4195
(530) 621-5520; Fax (530) 626-4756

Fresno County

1730 South Maple Avenue
Fresno, CA 93702-4596
(559) 456-7510; Fax (559) 456-7379

Glenn County

Post Office Box 351
720 North Colusa Street
Willows, CA 95988
(530) 934-6501; Fax (530) 934-6503

Humboldt County

5630 South Broadway
Eureka, CA 95501
(707) 445-7223; Fax (707) 445-7220

Imperial County

150 South 9th Street
El Centro, CA 92243-2801
(760) 339-4314; Fax (760) 353-9420

Inyo County

County Services Building
207 West South Street
Bishop, CA 93514-3492
(760) 873-7860; Fax (760) 872-1610

Kern County

1001 South Mount Vernon Avenue
Bakersfield, CA 93307-2851
(661) 868-6300; Fax (661) 868-6301

Kings County

680 North Campus Drive, Suite B
Hanford, CA 93230-3556
(209) 582-3211 Ext. 2831;
Fax (209) 582-5251

Lake County

883 Lakeport Boulevard
Lakeport, CA 95453-5407
(707) 263-0217; Fax (707) 263-1052

Lassen County

175 Russell Avenue
Susanville, CA 96130-4215
(530) 251-8110; Fax (530) 257-6515

Los Angeles County

12300 Lower Azusa Road
Arcadia, CA 91006
(626) 575-5451; Fax (626) 350-3243

Madera County

332 Madera Avenue
Madera, CA 93637-5499
(559) 675-7876; Fax (559) 674-4071

Marin County

1682 Novato Boulevard, 150-A
Novato, CA 94947-7021
(415) 449-6700; Fax (415) 499-7543

Mariposa County

5009 Fairgrounds Road
Mariposa, CA 95338-0905
(209) 966-2075; Fax (209) 525-4790

Mendocino County

579 Low Gap Road
Ukiah, CA 95482-3745
(707) 463-4208; Fax (707) 463-0240

Merced County

2139 Wardrobe Avenue
Merced, CA 95340-6495
(209) 385-7431; Fax (209) 725-3536

Modoc County

202 West 4th Street
Alturas, CA 96101
(530) 233-6401; Fax (530) 233-5542

Mono County

County Services Building
207 West South Street
Bishop, CA 93514-3492
(760) 873-7860; Fax (760) 872-1610

Monterey County

1428 Abbott Street
Salinas, CA 93901-4013
(831) 759-7325; Fax (831) 422-5003

Napa County

1710 Soscol Avenue, Suite 3
Napa, CA 94559-1315
(707) 253-4357; Fax (707) 253-4881

Nevada County

255 South Auburn Street
Grass Valley, CA 95945-7289
(530) 273-2648; (530) 273-1713

Orange County

10852 Douglass Road, Building D
Anaheim, CA 92805-5597
(714) 447-7100; Fax (714) 567-6203

Placer County

11477 E Avenue
Auburn, CA 95603-2799
(530) 889-7372; Fax (530) 823-1698

Plumas County

208 Fairgrounds Road
Quincy, CA 95971-9462
(530) 283-6365; Fax (530) 283-4210

Riverside County

Post Office Box 1089
4080 Lemon Street, Room 19
Riverside, CA 92502-1089
(909) 955-3045; Fax (909) 955-3012

Sacramento County

4137 Branch Center Road
Sacramento, CA 95827-3897
(916) 875-6603; Fax (916) 875-6150

San Benito County

Post Office Box 699
3224 Southside Road
Hollister, CA 95024-0699
(408) 637-5344; Fax (408) 637-9015

San Bernardino County

777 East Rialto Avenue
San Bernardino, CA 92415-0720
(909) 387-2105; Fax (909) 387-2449

San Diego County

5555 Overland Avenue, Building 3
San Diego, CA 92123-1292
(858) 694-2749; Fax (858) 565-7046

San Francisco County

501 Cesar Chavez Street, Suite 109-A
San Francisco, CA 94124-1209
(415) 285-5010; Fax (415) 285-8776

San Joaquin County

Post Office Box 1809
1868 East Hazelton Avenue
Stockton, CA 95201-1809
(209) 468-3300; Fax (209) 468-3330

San Luis Obispo County

2156 Sierra Way, Suite A
San Luis Obispo, CA 93401-4556
(805) 781-5910; Fax (805) 781-1035

San Mateo County

Post Office Box 999
728 Heller Street
Redwood City, CA 94064-0999
(650) 363-4700; Fax (650) 367-0130

Santa Barbara County

263 Camino Del Remedio
Santa Barbara, CA 93110-1335
(805) 681-5600; Fax (805) 681-5603

Santa Clara County

1553 Berger Drive, Building 1
San Jose, CA 95112-2795
(408) 299-2172; Fax (408) 286-2460

Santa Cruz County

175 Westridge Drive
Watsonville, CA 95076-2797
(831) 763-8080; Fax (831) 763-8234

Shasta County

3179 Bechelli Lane, Suite 210
Redding, CA 96002-2041
(530) 224-4949; Fax (530) 224-4951

Sierra County

208 Fairgrounds Road
Quincy, CA 95971-9462
(530) 283-6365; Fax (530) 283-4210

Siskiyou County

525 South Foothill Drive
Yreka, CA 96097-3090
(530) 841-4025; Fax (530) 842-6690

Solano County

501 Texas Street
Fairfield, CA 94533-4497
(707) 421-7465; Fax (707) 429-0827

Sonoma County

2604 Ventura Avenue, Room 101
Santa Rosa, CA 95403-2810
(707) 527-2371; Fax (707) 527-3850

Stanislaus County

3800 Cornucopia Way, Suite B
Modesto, CA 95358
(209) 525-4730; Fax (209) 525-4790

Sutter County

142 Garden Highway
Yuba City, CA 95991
(530) 822-7500; Fax (530) 822-7510

Tehama County

Post Office Box 38
1760 Walnut Street
Red Bluff, CA 96080-0038
(530) 527-4504; Fax (530) 529-1049

Trinity County

Post Office Box 1466
Civil Defense Hall
Weaverville, CA 96093-1466
(530) 623-1356; Fax (530) 623-1391

Tulare County

2500 Burrell Avenue
Visalia, CA 93291-4584
(559) 733-6391; Fax (559) 733-6568

Tuolumne County

2 South Green Street
Sonora, CA 95370
(209) 533-5691; Fax (209) 533-5520

Ventura County

Post Office Box 889
815 East Santa Barbara Street
Santa Paula, CA 93061-0889
(805) 933-3165; Fax (805) 525-8922

Yolo County

70 Cottonwood Street
Woodland, CA 95695-2557
(530) 666-8140; Fax 530-662-6094

Yuba County

938 14th Street
Marysville, CA 95901-4192
(530) 741-6484; Fax (530) 743-4442

**County Sealers
of Weights &
Measures**

Kern County

1116 East California Avenue
Bakersfield, CA 93307
(805) 861-2418; Fax (805) 324-0668

Monterey County

1428 Abbott Street
Salinas, CA 93901-4013
(831) 759-7325; Fax (831) 422-5003

Riverside County

Post Office Box 1480
2950 Washington Street
Riverside, CA 92504
(909) 955-3030; Fax (909) 276-4728



Ventura County

800 South Victoria Avenue,
Suite 1750
Ventura, CA 93009
(805) 654-2444; Fax (805) 654-5177

Advisory Boards and Commissions

Alfalfa

**Alfalfa Seed Production
Research Board**
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-4792; Fax (559) 591-5744
E-mail: monfortms@aol.com

Apples

California Apple Commission
4974 East Clinton Way, Suite 125
Fresno, CA 93727
(559) 456-0900; Fax (559) 456-0125
www.calapple.com

Artichokes

California Artichoke Advisory Board
10719 Merritt Street
Castroville, CA 95012
(831) 633-4411; Fax (831) 633-0215
www.artichokes.org

Asparagus

California Asparagus Commission
4565 Quail Lakes Drive, Suite A-1
Stockton, CA 95207
(209) 474-7581; Fax (209) 474-9105

Avocados

California Avocado Commission
1251 East Dyer Road, Suite 210
Santa Ana, CA 92705-6505
(714) 558-6761; Fax (714) 641-7024
www.avocado.org

Beans

Dry Bean Advisory Board
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-4866; Fax (559) 591-5744
E-mail: monfortms@aol.com

Beef

California Beef Council
5726 Sonoma Drive, Suite A
Pleasanton, CA 94566-7751
(925) 484-2333; Fax (925) 484-2686

Cantaloupes

Cantaloupe Advisory Board
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-5715; Fax (559) 591-5744
E-mail: monfortms@aol.com

Carrots

**California Fresh Carrot
Advisory Board**
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-5675; Fax (559) 591-5744
www.carrots.org

Celery

**California Celery Research
Advisory Board**
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-0434; Fax (559) 591-5744
E-mail: monfortms@aol.com

Cherries

California Cherry Marketing Program
Post Office Box 877
Lodi, CA 95240
(209) 368-0685; Fax (209) 368-4309
www.califcherry.com

Citrus

Citrus Research Board
Post Office Box 230
Visalia, CA 93279
(559) 738-0246; Fax (559) 738-0607
E-mail: citrus@aol.com

Dairy Products

**California Fluid Milk Processor
Advisory Board**
1801A Fourth Street
Berkeley, CA 94710
(510) 883-1085; Fax (510) 883-1088

**California Manufacturing Milk
Advisory Board**
3800 Cornucopia Way, Suite D
Modesto, CA 95358
(209) 525-6875; Fax (209) 525-6899

**California Milk Producers
Advisory Board**
400 Oyster Point Boulevard, Suite 214
South San Francisco, CA 94080
(650) 871-6455; Fax (650) 583-7328
www.calif-dairy.com

Dairy Council of California
1101 National Drive, Suite B
Sacramento, CA 95834-1274
(916) 263-3560; Fax (916) 263-3566
www.dairycouncilofca.org

Dates

California Date Commission
Post Office Box 1736
Indio, CA 92201
(760) 347-4510; Fax (760) 347-6374

Eggs

California Egg Commission
1150 North Mountain Avenue,
Suite 1
Upland, CA 91786
(909) 981-4923; Fax (909) 946-5563
www.eggcom.com

Figs

Fig Advisory Board
Post Office Box 709
Fresno, CA 93726
(559) 224-3477; Fax (559) 224-3449
E-mail: info@californiafigs.com

Flowers

California Cut Flower Commission
73 Hangar Way
Watsonville, CA 95076
(831) 728-7333; Fax (831) 728-7337
www.cfcf.org.

Forest Products

California Forest Products Commission
853 Lincoln Way, Suite 208
Auburn, CA 95603
(530) 823-2363; Fax (530) 823-1850
www.calforests.org

Garlic

**California Garlic and Onion Dehydrator
Advisory Board**
Post Office Box 470
Stockton, CA 95201
(209) 466-8247; Fax (209) 941-2719

Grapes

**California Grape Rootstock
Improvement Commission**
1521 I Street
Sacramento, CA 95814
(916) 441-2031; Fax (916) 446-1063

California Table Grape Commission
392 West Fallbrook, Suite 101
Fresno, CA 93711-6150
(559) 447-8350; Fax (559) 447-9184
www.tablegrape.com

Lake County

Winegrape Commission
Post Office Box 877
Lakeport, CA 95453
(707) 995-3421; Fax (707) 995-3618

Lodi-Woodbridge

Winegrape Commission
1420 South Mills Avenue, Suite K
Lodi, CA 95242
(209) 367-4727; Fax (209) 367-0737

Kiwifruit

California Kiwifruit Commission
9845 Horn Road, Suite 160
Sacramento, CA 95827
(916) 362-7490; Fax (916) 362-7993
www.kiwifruit.org

Lettuce

California Lettuce Research Program
512 Pajaro Street
Salinas, CA 93901
(831) 424-3782; Fax (831) 424-3785

Melons

Melon Research Board
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-0435; Fax (559) 591-5744

Peaches

**California Cling Peach Growers
Marketing Board**
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-1425; Fax (559) 591-5744
E-mail: monfortms@aol.com

Pears

Pear Advisory Board
1521 I Street
Sacramento, CA 95814
(916) 441-0432; Fax (916) 446-1063
www.calpear.com



Peppers

California Pepper Commission
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-3925; Fax (559) 591-5744
E-mail: monfortms@aol.com

Pistachios

California Pistachio Commission
1318 East Shaw Avenue, Suite 420
Fresno, CA 93710
(559) 221-8294; Fax (559) 221-8044
www.pistachios.org

**California Pistachio
Marketing Agreement**

1318 East Shaw Avenue, Suite 420
Fresno, CA 93710
(559) 221-8294; Fax (559) 221-8044

Plums

California Plum Marketing Program
Post Office Box 968
Reedley, CA 93654-0968
(559) 638-8260; Fax (559) 638-8842

Potatoes

Potato Research Advisory Board
531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-0436; Fax (559) 591-5744
E-mail: monfortms@aol.com

Prunes

California Prune Board
5990 Stoneridge Drive, Suite 101
Pleasanton, CA 94588-0157
(925) 734-0150; Fax (925) 734-0525
www.prunes.org

Raisins

California Raisin Marketing Board
Post Office Box 5195
Fresno, CA 93755
(559) 248-0287; Fax (559) 224-7016
www.calraisins.org

Rice

California Rice Commission
701 University Avenue, Suite 205
Sacramento, CA 95825-5767
(916) 929-2264; Fax (916) 929-2553
www.calrice.org

California Wild Rice Board

335 Teegarden Street
Yuba City, CA 95991
(530) 673-1927; Fax (530) 671-4664

Rice Research Advisory Board

Post Office Box 507
Yuba City, CA 95992
(530) 673-6247; Fax (530) 674-0426

Seafood

California Salmon Council
Post Office 2255
Folsom, CA 95763-2255
(916) 358-2960; Fax (916) 358-2961
www.calkingsalmon.org

California Seafood Council

Post Office Box 91540
Santa Barbara, CA 93190
(805) 569-8050; Fax (805) 569-8052
E-mail: info@ca-seafood.org

Seeds

**California Seed Advisory Board
c/o California Department of Food
and Agriculture**
1220 N Street, Room A372
Sacramento, CA 95814
(916) 654-0493; Fax (916) 654-0986

Sheep

California Sheep Commission
Post Office Box 2828
Sacramento, CA 95812
(916) 443-0660; Fax (916) 443-1506
E-mail: casc@gvn.net

Strawberries

California Strawberry Commission
Post Office 269
Watsonville, CA 95077-0269
(831) 724-1301; Fax (831) 724-5973
www.calstrawberry.com

**Processing Strawberry
Advisory Board**

Post Office Box 929
Watsonville, CA 95077-0929
(831) 724-5454; Fax (831) 724-0295

Tomatoes

California Tomato Commission
1625 East Shaw Avenue, Suite 122
Fresno, CA 93710
(559) 230-0116; Fax (559) 230-0635
www.tomato.org

Processing Tomato Advisory Board

Post Office Box 98007
West Sacramento, CA 95798-0067
(916) 371-3470; Fax (916) 371-3476

Walnuts

California Walnut Commission
1540 River Park Drive, Suite 203
Sacramento, CA 95815
(916) 646-3807; Fax (916) 923-2548
www.walnut.org

Wheat

California Wheat Commission
Post Office Box 2267
Woodland, CA 95776
(530) 661-1292; Fax (530) 661-1332
E-mail: cawheat1@aol.com

County Farm Bureaus

California Farm Bureau Federation

2300 River Plaza Drive
Sacramento, CA 95833
(916) 561-5500; Fax (916) 561-5699
www.cfbf.com

Alameda County Farm Bureau

638 Enos Way, Suite 1
Livermore, CA 94550-2117
(925) 449-1677; Fax (925) 449-1677

Amador County Farm Bureau

Post Office Box 159
Jackson, CA 95642-0159
(209) 223-9095; Fax (209) 223-9095
E-mail: jscan@jps.net

Butte County Farm Bureau

2580 Feather River Boulevard
Oroville, CA 95965-9629
(530) 533-1473; Fax (530) 533-6508
E-mail: buttecfb@aol.com

Calaveras County Farm Bureau

Post Office Box 598
891 Mountain Ranch Road
San Andreas, CA 95249
(209) 772-3987; Fax (209) 772-3987
E-mail: calcofb@goldrush.com

Colusa County Farm Bureau

Post Office Box 459
595 Seventh Street
Williams, CA 95987
(530) 473-2505; Fax (530) 473-5933
www.ccfb.com

Contra Costa County Farm Bureau

5554 Clayton Road
Concord, CA 94521-4198
(925) 672-5115; Fax (925) 672-8382
www.cccfb.org

Del Norte County Farm Bureau

11775 Ocean View Drive
Smith River, CA 95567
(707) 487-0612; Fax (707) 487-0612
E-mail: esil@c.c.northcoast.com

El Dorado County Farm Bureau

2460 Headington Road
Placerville, CA 95667-5216
(530) 622-7773; Fax (530) 622-7839
E-mail: edcfb@inforum.net

Fresno County Farm Bureau

1274 West Hedges
Fresno, CA 93728-1202
(559) 237-0263; Fax (559) 237-3396
E-mail: info@fcfb.org

Glenn County Farm Bureau

501 Walker Street
Orland, CA 95963-1350
(530) 865-9636; Fax (530) 865-7182
E-mail: glenncfb@sunset.net

Humboldt County Farm Bureau

5601 South Broadway
Eureka, CA 95503-6904
(707) 443-4844; Fax (707) 443-0926
E-mail: humboldtcfb@aol.com

Imperial County Farm Bureau

1000 Broadway
El Centro, CA 92243-2315
(760) 352-3831; Fax (760) 352-0232
E-mail: icfb@thegrid.net

Inyo-Mono County Farm Bureau

Post Office Box 356, 93515-0356
Route 1, 100 Warm Springs Road
Bishop, CA 93514
(760) 933-2505; Fax (760) 933-2278
E-mail: giacomiranch@yahoo.com





Kern County Farm Bureau

801 South Mount Vernon Avenue
Bakersfield, CA 93307-2048
(661) 397-9635; Fax (661) 397-3403
www.kerncfb.com

Kings County Farm Bureau

870 Greenfield Avenue
Hanford, CA 93230-3570
(559) 584-3557; Fax (559) 584-1614
www.kcfc.org

Lake County Farm Bureau

65 Soda Bay Road
Lakeport, CA 95453-5669
(707) 263-0911; Fax (707) 263-1101
www.pacific.net/~lcfb/

Lassen County Farm Bureau

Post Office Box 151
10 South Gay
Susanville, CA 96130
(530) 257-7242; Fax (530) 257-7242
E-mail: lcfb@psln.com

Los Angeles County Farm Bureau

1006 West Lancaster Boulevard
Lancaster, CA 93534-2318
(661) 948-6571; Fax (661) 949-3251
E-mail: lafarmb@aol.com

Madera County Farm Bureau

1102 South Pine Street
Madera, CA 93637
(559) 674-8871; Fax (559) 674-0529
E-mail: mcfb@madnet.net

Marin County Farm Bureau

Post Office Box 219
520 Mesa Road
Point Reyes Station, CA 94956
(415) 663-1231; Fax (415) 663-1141

Mariposa County Farm Bureau

Post Office Box 1297
5131 Highway 140
Mariposa, CA 95338
(209) 966-3848; Fax (209) 966-7411

Mendocino County Farm Bureau

303-C Talmage Road
Ukiah, CA 95482-6417
(707) 462-6664; Fax (707) 462-6681

Merced County Farm Bureau

Post Office Box 1232, 95341-1232
646 South Highway 59
Merced, CA 95340
(209) 723-3001; Fax (209) 722-3814
www.mercedcountyfb.org

Modoc County Farm Bureau

Post Office Box 1692
108 East First Street
Alturas, CA 96101
(530) 233-3276; Fax (530) 233-4738
E-mail: modocfb@hdo.net

Monterey County Farm Bureau

Post Office Box 1449, 93902-1449
201 Monterey-Salinas Highway,
Suite D
Salinas, CA 93908
(831) 455-2600; Fax (831) 455-2610
E-mail: mocofb@redshift.com

Napa County Farm Bureau

811 Jefferson Street
Napa, CA 94559-2422
(707) 224-5403; Fax (707) 224-7836
www.interx.net/~napacfb

Nevada County Farm Bureau

Post Office Box 43
14550 Mount Olive
Grass Valley, CA 95945
(530) 346-8146; Fax (530) 346-8146

Orange County Farm Bureau

13042 Old Myford Road
Irvine, CA 92620-1606
(714) 573-0374; Fax (714) 573-0376
E-mail: ocfb@aol.com

Placer County Farm Bureau

10120 Ophir Road
Newcastle, CA 95658
(916) 663-2929; Fax (530) 885-6645
E-mail: pcfb@jps.net

Plumas-Sierra County Farm Bureau

Post Office Box 35
7411 Dyson Lane
Loyalton, CA 96118
(530) 993-4550; Fax (916) 993-4550

Riverside County Farm Bureau

21160 Box Springs Road, Suite 102
Moreno Valley, CA 92557-8706
(909) 684-6732; Fax (909) 782-0621
www.riversidecfb.com

Sacramento County Farm Bureau

8970 Elk Grove Boulevard
Elk Grove, CA 95624-1946
(916) 685-6958; Fax (916) 685-7125
E-mail: sacfarmbur@msn.com

San Benito County Farm Bureau

530 San Benito Street, Suite 201
Hollister, CA 95023-3955
(831) 637-7643; Fax (831) 637-7999
E-mail: sbcfarm@hollinet.com

San Bernardino County Farm Bureau

210 South Riverside Avenue
Rialto, CA 92376-6453
(909) 875-5945; Fax (909) 874-6195

San Diego County Farm Bureau

1670 East Valley Parkway
Escondido, CA 92027-2498
(760) 745-3023; Fax (760) 489-6348
www.sdfarmbureau.org

San Joaquin Farm Bureau Federation

Post Office Box 8444, 95208-0444
3290 North Ad Art Way
Stockton, CA 95205
(209) 931-4931; Fax (209) 931-1433
www.sjfb.org

San Luis Obispo County Farm Bureau

651 Tank Farm Road
San Luis Obispo, CA 93401-7002
(805) 543-3654; Fax (805) 543-3697
www.slofarmbureau.org

San Mateo County Farm Bureau

765 Main Street
Half Moon Bay, CA 94019-1924
(650) 726-4485; Fax (650) 726-4495
E-mail: smcfbmb@aol.com

Santa Barbara County Farm Bureau

Post Office Box 1846, 93427
180 Industrial Way
Buellton, CA 93427
(805) 688-7479; Fax (805) 688-0428
E-mail: farmsbc@aol.com

Santa Clara County Farm Bureau

16055 Caputo Drive, Suite C
Morgan Hill, CA 95037-5533
(408) 776-1684; Fax (408) 776-7804
E-mail: agbureau@ix.netcom.com

Santa Cruz County Farm Bureau

141 Monte Vista Avenue
Watsonville, CA 95076-3271
(831) 724-1356; Fax (831) 724-5821
E-mail: scfb@scruznet.com

Shasta County Farm Bureau

3605 Bechelli Lane
Redding, CA 96002-2429
(530) 223-2358; Fax (530) 222-0671
www.shastafarmbureau.com

Siskiyou County Farm Bureau

809 South Fourth Street
Yreka, CA 96097-3311
(530) 842-2364; Fax (same as phone)
www.snowcrest.net/siskfarm

Solano County Farm Bureau

2210 Boynton Avenue, Suite E
Fairfield, CA 94533-4320
(707) 425-8044; Fax (707) 425-6172
E-mail: mdiehl@castles.com

Sonoma County Farm Bureau

970 Piner Road
Santa Rosa, CA 95403-1988
(707) 544-5575; Fax (707) 544-7452
E-mail: scfb@jps.net

Stanislaus County Farm Bureau

Post Office Box 3070, 95353-3070
1201 L Street
Modesto, CA 95354
(209) 522-7278; Fax (209) 521-9938
E-mail: scfb@thevision.net

Tehama County Farm Bureau

645 Antelope Boulevard, Suite 17
Red Bluff, CA 96080-2464
(530) 527-7882; Fax (530) 527-6028

Trinity County Farm Bureau

RR1, Box 72
Zenia, CA 95595
(707) 923-9695; Fax (707) 923-9695

Tulare County Farm Bureau

Post Office Box 748, 93279-0748
737 North Ben Maddox Way
Visalia, CA 93292
(559) 732-8301; Fax (559) 732-7029
E-mail: tulcofb@lightspeed.net

Tuolumne County Farm Bureau

Post Office Box 675, Jamestown 95327-0675
220 Southgate Drive
Sonora, CA 95370
(209) 532-0300; Fax (209) 532-0300

Ventura County Farm Bureau

Post Office Box 3160, 93006-7360
5156 McGrath Street
Ventura, CA 93003
(805) 289-0155; Fax (805) 658-0295
members.aol.com/vcfb1

Yolo County Farm Bureau

Post Office Box 1556, 95776-1556
69 West Kentucky Avenue
Woodland, CA 95695
(530) 662-6316; Fax (530) 662-8611
E-mail: ycfbdws@afes.com

Yuba-Sutter County Farm Bureau

475 Palora Avenue
Yuba City, CA 95991-4711
(530) 673-6550; Fax (530) 671-5836
E-mail: ysfb@otn.net

California Fair Network

Alameda County Fair

4501 Pleasanton Avenue
Pleasanton, CA 94566
(925) 426-7600; Fax (925) 426-7599
www.alamedacountyfair.com

Amador County Fair (26th District)

Post Office Box 9
18621 Sherwood and School Streets
Plymouth, CA 95669
(209) 245-6921; Fax (209) 245-6923

Antelope Valley Fair (50th District)

155 East Avenue 1
Lancaster, CA 93535
(661) 948-6060; Fax (661) 942-2135
www.avfair.com

Big Fresno Fair (21st District)

1121 South Chance Avenue
Fresno, CA 93702
(559) 650-3247; Fax (559) 650-3226
www.fresnofair.com

Butte County Fair

Post Office Box 308
199 East Hazel Street
Gridley, CA 95948
(530) 846-3626; Fax (530) 846-5924
www.buttecountyfair.com

Calaveras County Fair & Jumping Frog Jubilee (39th District)

Post Office Box 489
2465 Gun Club Road
Angels Camp, CA 95222
(209) 736-2561; Fax (209) 736-2476
www.frogstown.org

California Exposition & State Fair

Post Office Box 15649, 95852
1600 Exposition Boulevard
Sacramento, CA 95815
(916) 263-3247; Fax (916) 263-3304
www.bigfun.org

California Mid-State Fair (16th District)

Post Office Box 8, 93447
2198 Riverside Avenue
Paso Robles, CA 93446
(805) 239-0655; Fax (805) 238-5308
www.midstatefair.com

California Mid-Winter Fair & Fiesta (45th District)

200 East Second Street
Imperial, CA 92251
(760) 355-1181; Fax (760) 355-1425
www.ivexpo.com

Chowchilla-Madera County Fair

Post Office Box 597
1000 South Third Street
Chowchilla, CA 93610
(559) 665-3728; Fax (559) 665-3720
www.ci.chowchilla.ca.us

Cloverdale Citrus Fair

One Citrus Fair Drive
Cloverdale, CA 95425
(707) 894-3992; Fax (707) 894-9553
www.citrusfair.net

Colorado River Country Fair (54th District)

11995 Olive Lake Boulevard
Blythe, CA 92225
(760) 922-3247; Fax (760) 922-6196
www.coloradoriverfair.com

Colusa County Fair (44th District)

Post Office Box 240
1303 10th Street
Colusa, CA 95932
(530) 458-2641; Fax (530) 458-2645
www.thefarmshow.com

Contra Costa County Fair (23rd District)

Post Office Box 1378
1201 West 10th Street
Antioch, CA 94509
(925) 757-4400; Fax (925) 757-9514
www.ccfair.org

Cow Palace, San Francisco (1-A District)

Post Office Box 34206
San Francisco, CA 94134
2600 Geneva Avenue
Daly City, CA 94014
(415) 469-6000; Fax (415) 337-0941
www.cowpalace.com

Del Mar Fair (22nd District)

2260 Jimmy Durante Boulevard
Del Mar, CA 92014-2216
(858) 755-1161; Fax (858) 755-7820
www.delmarfair.com

Del Norte County Fair (41st District)

421 Highway 101 North
Crescent City, CA 95531
(707) 464-9556; Fax (707) 464-9519
E-mail: dnfair@cc.northcoast.com

Desert Empire Fair (53rd District)

520 South Richmond Road
Ridgecrest, CA 93555
(760) 375-8000; Fax (760) 375-8134
www.ridgecrest.ca.us/~defceo

Dixon May Fair (36th District)

Post Office Box 459
655 South First Street
Dixon, CA 95620
(707) 678-5529; Fax (707) 678-4765
www.dixonmayfair.com

Eastern Sierra Tri-County Fair (18th District)

Post Office Box 608, 93515
Sierra Street and Fair Drive
Bishop, CA 93514
(760) 873-3588; Fax (760) 873-8874
E-mail: tricounty@qnet.com

El Dorado County Fair

Post Office Box 1537
100 Placerville Drive
Placerville, CA 95667
(530) 621-5860; Fax (530) 295-6564
www.eldoradocountyfair.com

Farmers Fair & Exposition (46th District)

18700 Lake Perris Drive
Perris, CA 92571
(909) 657-4221; Fax (909) 657-5412
www.farmersfair.com

Glenn County Fair (42nd District)

Post Office Box 667
221 East Yolo Street
Orland, CA 95963
(530) 865-1168; Fax (530) 865-1197

Gold Country Fair (20th District)

Post Office Box 5527, 95604-5527
1273 High Street
Auburn, CA 95603
(530) 823-4533; Fax (530) 885-3225
E-mail: gcf@neworld.net

Humboldt County Fair

Post Office Box 637
1250 Fifth Street
Ferndale, CA 95536
(707) 786-9511; Fax (707) 786-9450
E-mail: humcoul@northcoast.com

Inter-Mountain Fair of Shasta County

Post Office Box 10
44218 A Street
McArthur, CA 96056
(530) 336-5695; Fax (530) 336-6845
www.intermountainfair.com

Kern County Fair (15th District)

1142 South P Street
Bakersfield, CA 93307
(661) 833-4900; Fax (661) 836-2743
www.kerncountyfair.com

Kings Fair (24-A District)

Post Office Box 14
801 South 10th Avenue
Hanford, CA 93230
(559) 584-3318; Fax (559) 584-0192

Lake County Fair (49th District)

Post Office Box 70
401 Martin Street
Lakeport, CA 95453
(707) 263-6181; Fax (707) 263-7706
www.lakecountyfair.com

Lassen County Fair

195 Russell Avenue
Susanville, CA 96130
(530) 257-4104; Fax (530) 257-2098





Lodi Grape Festival & Harvest Fair

Post Office Box 848, 95241
413 East Lockeford Street
Lodi, CA 95240
(209) 369-2771; Fax (209) 369-9185
www.grapefestival.com

Los Angeles County Fair

Post Office Box 2250, 91769
1101 West McKinley Avenue
Pomona, CA 91768
(909) 623-3111; Fax (909) 865-3602
www.fairplex.com

Madera District Fair (21-A District)

Post Office Box 837, 93639
1850 West Cleveland Avenue
Madera, CA 93637
(559) 674-8511; Fax (559) 674-4516

Marin County Fair & Exposition

Avenue of the Flags
San Rafael, CA 94903
(415) 499-6400; Fax (415) 499-3700
www.marinfair.org

Mariposa County Fair & Homecoming (35-A District)

5007 Fairgrounds Road
Mariposa, CA 95338
(209) 966-2432; Fax (209) 966-6273
www.mariposafair.com

Mendocino County Fair and Apple Show

Post Office Box 458
14400 Highway 128
Boonville, CA 95415
(707) 895-3011; Fax (707) 895-3011

Merced County Fair (35th District)

Post Office Box 1352, 95341
900 Martin Luther King Jr. Way
Merced, CA 95340
(209) 722-1507; Fax (209) 722-3773
E-mail: mcf002@co.merced.ca.us

Merced County Spring Fair

Post Office Box 71
403 F Street
Los Banos, CA 93635
(209) 826-5166; Fax (209) 826-8737

Modoc—The Last Frontier Fair (34th District)

Post Office Box 26
One Center Street
Cedarville, CA 96104
(530) 279-2315; Fax (530) 279-2555
www.hdo.net/~modocfair/

Monterey County Fair (7th District)

2004 Fairground Road
Monterey, CA 93940
(831) 372-5863; Fax (831) 372-8248
www.montereycountyfair.com

Mother Lode Fair (29th District)

220 Southgate Drive
Sonora, CA 95370
(209) 532-7428; Fax (209) 532-3573

Napa County Fair

Post Office Box 344
1435 Oak Street
Calistoga, CA 94515
(707) 942-5111; Fax (707) 942-5125
www.fairsnet.org/fairs/ca/calistoga

Napa Town & Country Fair (25th District)

575 Third Street
Napa, CA 94559
(707) 253-4900; Fax (707) 253-4943
www.napavalleyexpo.com

National Orange Show

689 South E Street
San Bernardino, CA 92408
(909) 888-6788; Fax (909) 889-7666
E-mail: larson_nos@eee.org

Nevada County Fair (17th District)

Post Office Box 2687, 95945
11228 McCourtney Road
Grass Valley, CA 95949
(530) 273-6217; Fax (530) 273-1146
www.nevadacountyfair.com

Orange County Fair & Exposition (32nd District)

88 Fair Drive
Costa Mesa, CA 92626
(714) 708-3247; Fax (714) 641-1783
www.ocfair.com

Placer County Fair

800 All American Boulevard
Roseville, CA 95678
(916) 786-2023; Fax (916) 786-2139
www.placercountyfair.org

Plumas—Sierra County Fair

204 Fairgrounds Road
Quincy, CA 95971
(530) 283-6272; Fax (530) 283-6431
www.psln.com/pscofair

Redwood Acres Fair (9th District)

Post Office Box 6576, 95502
3750 Harris Street
Eureka, CA 95503
(707) 445-3037; Fax (707) 445-1583
www.redwoodacres.com

Redwood Empire Fair (12th District)

1055 North State Street
Ukiah, CA 95482
(707) 462-3884; Fax (707) 462-2641
www.redwoodempirefair.com

Riverside County Fair & National Date Festival

46-350 Arabia Street
Indio, CA 92201
(760) 863-8247; Fax (760) 863-8973
www.datefest.org

Sacramento County Fair (52nd District)

Post Office Box 15028, 95851
1600 Exposition Boulevard
Sacramento, CA 95815
(916) 263-2975; Fax (916) 263-2973
www.sacramentocountyfair.com

Salinas Valley Fair

625 Division Street
King City, CA 93930
(831) 385-3243; Fax (831) 385-3345
www.salinasvalleyfair.com

San Benito County Fair (33rd District)

Post Office Box 790
Hollister, CA 95024
(831) 628-3421; Fax (831) 628-3551

San Benito County Saddle Horse Show, Rodeo & Fair

Post Office Box 56
Hollister, CA 95024
(831) 628-3545; Fax (831) 628-3551

San Bernardino County Fair (28th District)

14800 Seventh Street
Victorville, CA 92392-4024
(760) 951-2200; Fax (760) 951-2419
www.sbcbfair.com

San Fernando Valley Fair (51st District)

Post Office Box 3639, 91508
1611 North San Fernando Boulevard
Burbank, CA 91504
(818) 557-1600; Fax (818) 557-0600
www.sfvallfair.org

San Joaquin County Fair (2nd District)

1658 South Airport Way
Stockton, CA 95206
(209) 466-5041; Fax (209) 466-5739
www.sanjoaquinfair.com

San Mateo County Exposition and Fair

Post Office Box 1027
2495 South Delaware Street
San Mateo, CA 94403
(650) 574-3247; Fax (650) 574-3985
www.sanmateoexpo.org

Santa Barbara County Fair (37th District)

937 South Thornburg Street
Santa Maria, CA 93458
(805) 925-8824; Fax (805) 922-4135
www.sbcofair.com

Santa Barbara County Fair & Expo (19th District)

Post Office Box 3006, 93130
3400 Calle Real
Santa Barbara, CA 93105
(805) 687-0766; Fax (805) 569-5595
www.earlwarren.com

Santa Clara County Fair

344 Tully Road
San Jose, CA 95111
(408) 494-3100; Fax (408) 998-7223
www.thefair.org

Santa Cruz County Fair (14th District)

2601 East Lake Avenue
Watsonville, CA 95076
(831) 724-5671; Fax (831) 761-5827
www.santacruzfair.com

Schools Involvement Fair (48th District)

Post Office Box 707, 91788-0707
312 Paseo Tesoro
Walnut, CA 91789
(909) 594-3991; Fax (909) 598-1260
E-mail: daa48th@aol.com

Shasta District Fair (27th District)

Post Office Box 605
1890 Briggs Street
Anderson, CA 96007
(530) 378-6789; Fax (530) 378-6788
www.shastadistrictfair.com

Silver Dollar Fair (3rd District)

Post Office Box 1158, 95927
2357 Fair Street
Chico, CA 95928
(530) 895-4666; Fax (530) 895-6987

Siskiyou Golden Fair (10th District)

1712 Fairlane Road
Yreka, CA 96097
(530) 842-2767; Fax (530) 842-4724
www.sisqfair.com

Solano County Fair

900 Fairgrounds Drive
Vallejo, CA 94589
(707) 644-4401; Fax (707) 642-7947
www.scfair.org

Sonoma County Fair and Exposition

Post Office Box 1536, 95402
1350 Bennett Valley Road
Santa Rosa, CA 95404
(707) 545-4200; Fax (707) 573-9342
www.sonomacountyfair.com

Sonoma–Marin Fair (4th District)

175 Fairgrounds Drive
Petaluma, CA 94952
(707) 283-3247; Fax (707) 283-3250
www.sonoma-marinfair.org

Stanislaus County Fair (38th District)

900 North Broadway
Turlock, CA 95380
(209) 668-1333; Fax (209) 668-0410
www.stancofair.com

Tehama District Fair (30th District)

Post Office Box 70
650 Antelope Boulevard
Red Bluff, CA 96080
(530) 527-5920; Fax (530) 527-1511

Trinity County Fair

Post Office Box 880
South Highway 3
Hayfork, CA 96041
(530) 628-5223; Fax (530) 628-4171

Tulare County Fair (24th District)

215 Martin Luther King
Tulare, CA 93274
(559) 686-4707; Fax (559) 686-7238

Tulelake–Butte Valley Fair (10-A District)

Post Office Box 866
800 South Main Street
Tulelake, CA 96134
(530) 667-5312; Fax (530) 667-3944
www.cot.net/~tulefair/tbvfairgrounds/index.html

Ventura County Fair at Seaside Park (31st District)

10 West Harbor Boulevard
Ventura, CA 93001
(805) 648-3376; Fax (805) 648-1012
www.seasidepark.org

Yolo County Fair (40th District)

Post Office Box 826
1250 East Gum Avenue
Woodland, CA 95776
(530) 662-5393; Fax (530) 662-6547
www.yolocountyfair.com

Yuba–Sutter Fair (13th District)

442 Franklin Avenue
Yuba City, CA 95991
(530) 674-1280; Fax (530) 674-2196
E-mail: yubasutter@jps.net

Certified Farmers' Market Associations

Amador Farmers' Market Association

Post Office Box 1393
Jackson, CA 95642
(209) 296-5504
E-mail: costa@cdepot.net

California Farmers' Market Association

830 Navaronne Way
Concord, CA 94518
(925) 689-4141; Fax (925) 689-4188

California Federation of Certified Farmers' Markets

Post Office Box 1813
Davis, CA 95617
(530) 756-1695; Fax (530) 756-1858
E-mail: rmacnear@wheel.dcn.davis.ca.us

Certified Farmers' Market of Sacramento

9656 Sheldon Road
Elk Grove, CA 95624
(916) 688-0100; Fax (916) 689-9794
E-mail: cfms@elkgrove.net

Glendora Farmers' Market Association

417 Foothill Boulevard, Suite B
Glendora, CA 91741
(626) 914-6596; Fax (626) 914-4822
E-mail: fivekovars@aol.com

Marin County Farmers' Market Association

1114 Irwin Street
San Rafael, CA 94901
(415) 456-3276; Fax (510) 745-7100

North County Farmers' Market Association

Post Office Box 1783
Paso Robles, CA 93447
(805) 239-6535; Fax (805) 541-6473

Pacific Coast Farmers' Market Association

5046 Commercial Circle, Suite F
Concord, CA 94520
(925) 825-9090; Fax (925) 825-9101
E-mail: john@pcfma.com

San Luis Obispo County Farmers' Market Association

Post Office Box 16058
San Luis Obispo, CA 93406
(805) 544-9570; Fax (805) 544-9570

Shasta Growers Association

Post Office Box 990187
Redding, CA 96099
(530) 226-7100
E-mail: arrowhead@shasta.com

South Bay Farmers' Market

21900 Summit Road
Los Gatos, CA 95033
(408) 353-4293; Fax (408) 353-2875
E-mail: sbfm@farmacopia.com

Southland Farmers' Market Association

1308 Factory Place, Suite 302
Los Angeles, CA 90013
(213) 244-9190; Fax (213) 244-9180
E-mail: gdunlap@cafarmersmarkets.org

Stockton Certified Farmers' Market Association

2707 East Fremont Street, Suite 9
Stockton, CA 95205
(209) 469-9714

Trinity Organic Growers Association

Post Office Box 314
Douglas City, CA 96024
(530) 623-5947
E-mail: rreiley@thegrid.net

Urban Village Farmers' Market Association

39120 Argonaut Way, Suite 780
Fremont, CA 94538
(510) 745-7100; Fax (510) 745-7180
E-mail: urbanvillage@earthlink.net

Ventura County Certified Farmers' Market Association

Post Office Box 1959
Moorpark, CA 93020
(805) 529-6266; Fax (805) 529-6210

California Agricultural Organizations

General

African American Farmer of the Central Valley

Post Office Box 11396
Fresno, CA 93773-1396
(559) 442-0276; Fax (559) 442-4721
E-mail: wijodypo@aol.com

Ag Fresno Farm Equipment Show

1121 Chance Avenue
Fresno, CA 93702
(559) 650-3255; Fax (559) 650-3226
E-mail: fairpr@fresnofair.com





Agricultural Council of California
1225 H Street
Sacramento, CA 95814
(916) 443-4887; Fax (916) 443-0601
E-mail: agricncl@aol.com

Agricultural Education Foundation
Post Office Box 6058
Atascadero, CA 93423-6058
(805) 461-7070; Fax (805) 461-7066
www.agleaders.org

Agricultural Energy Consumers Association
925 L Street, Suite 800
Sacramento, CA 95814
(916) 447-6206; Fax (916) 441-4132
www.aeca.com

Agricultural Leadership Alumni
Post Office Box 6056
Atascadero, CA 93423-6056
(805) 461-7070; Fax (805) 461-7066
E-mail: kabney@agleaders.org

The Agricultural Network
Post Office Box 19897
Sacramento, CA 95819-0897
(916) 434-9409; Fax (916) 434-9409

Agriservices Foundation
648 West Sierra
Clovis, CA 93612
(559) 299-2263; Fax (559) 299-2098

AgSafe
Post Office Box 614
Clovis, CA 93613
(559) 278-4404; Fax (559) 278-7035
www.agsafe.org

AgTac – Southern California Edison
4175 South Laspinna Street
Tulare, CA 93274
(800) 772-4822; Fax (559) 685-3788
www.scebiz.com

Alliance for Food and Fiber
10866 Wilshire Boulevard, Suite 550
Los Angeles, CA 90024
(310) 446-1827; Fax (310) 446-1896
www.alliance-food-fiber.org

Association of Applied Insect Ecologists
1008 10th Street, PMB 549
Sacramento, CA 95814
(916) 441-5224; Fax (916) 441-5224

Cal Ranch
Post Office Box 189
Shandon, CA 93461
(805) 238-5703; Fax (805) 239-9082

California Agricultural Aircraft Association
2100 Flightline Drive, Suite 3
Lincoln, CA 95648
(916) 645-9747; Fax (916) 645-9749
E-mail: caaa@psyber.com

California Agricultural Commissioners and Sealers Association
316 Nelson Avenue
Oroville, CA 95965-3318
(530) 538-7381; Fax (530) 538-7594
E-mail: butteag@buttecounty.net

California Agricultural Production Consultants Association
1143 North Market Boulevard,
Suite 7
Sacramento, CA 95834
(916) 928-1625; Fax (916) 928-0705
www.capca.com

California Agricultural Teachers Association
1100 N Street, Suite 1D
Sacramento, CA 95814
(916) 443-2282; Fax (916) 448-0766
www.calagteachers.org

California Association of Farm Advisors and Specialists
2145 West Wardrobe Avenue
Merced, CA 95340-6496
(209) 385-7403; Fax (209) 722-8856
E-mail: cdmerced@uc.davis.edu

California Certified Organic Farmers
1115 Mission Street
Santa Cruz, CA 95060
(831) 423-2263; Fax (831) 423-4528
www.ccof.org

California Chamber of Commerce
1215 K Street, 14th Floor
Sacramento, CA 95814
(916) 444-6670; Fax (916) 444-6685
www.calchamber.com

California Farm Bureau Federation
2300 River Plaza Drive
Sacramento, CA 95833
(916) 561-5500; Fax (916) 561-5699
E-mail: cfbf@cfbf.com
www.cfbf.com

California Farm Equipment Show and International Exposition
California Antique Farm Equipment Show
International Agri-Center
Post Office Box 1475
Tulare, CA 93275
(559) 688-1751; Fax (559) 686-5065
www.farmshow.org

California Fertilizer Association
1700 I Street, Suite 130
Sacramento, CA 95814
(916) 441-1584; Fax (916) 441-2569
www.calfertilizer.org

California Foundation for Agriculture in the Classroom
2300 River Plaza Drive
Sacramento, CA 95833
(916) 561-5625; Fax (916) 561-5697
www.cfaic.org

California Grower Foundation
176 Main Street, Suite C
Saint Helena, CA 94574
(707) 963-7191; Fax (707) 963-5728

California Heartland
Post Office Box 6
Sacramento, CA 95812
(916) 923-7474; Fax (916) 929-4342
www.californiaheartland.org

California Highlander Cooperative
1502 J Street
Fresno, CA 93706
(559) 485-6648; Fax (559) 485-4352

California Institute for Rural Studies
Post Office Box 2143
Davis, CA 95617
(530) 756-6555; Fax (530) 756-7429
E-mail: cirsmail@cirsinc.org

California League of Food Processors
980 Ninth Street, Suite 230
Sacramento, CA 95814
(916) 444-9260; Fax (916) 444-2746
www.clfp.com

California Minor Crops Council
323 West Oak Street
Visalia, CA 93291
(559) 733-7497; Fax (559) 738-0607
E-mail: lori@minorcrops.org

California Rural Crime Prevention Task Force
Office of the Attorney General
Crime Prevention Center
Post Office Box 944255
Sacramento, CA 94244-2550
(916) 324-7863; Fax (916) 327-2384
www.caag.state.ca.us/cvpc

California State Grange
2101 Stockton Boulevard
Sacramento, CA 95817
(916) 454-5805; Fax (916) 739-8189
www.grange.org/cagrang

California Weed Science Society
Post Office Box 609
Fremont, CA 94537-0609
(510) 790-1252; Fax (510) 790-1252

California Women for Agriculture
2818 East Hamilton
Fresno, CA 93721
(559) 237-2474; Fax (559) 237-5929
E-mail: prestige@oneworld.connect.com

Colusa Farm Show
Post Office Box 240
Colusa, CA 95932
(530) 458-2641; Fax (530) 458-2645
www.thefarmshow.com

Commonwealth Club of California
Food and Farming Section
595 Market Street, 2nd Floor
San Francisco, CA 94105
(415) 597-6700; Fax (415) 597-6729
www.commonwealthclub.org

Community Alliance with Family Farmers
Post Office 363
Davis, CA 95617-7857
(530) 756-8518; Fax (530) 756-7857
www.caff.org

Fresno Chamber of Commerce

Agribusiness Council
Post Office Box 1469
Fresno, CA 93716
(559) 495-4800; Fax (559) 495-4811
www.fresnochamber.com/ag.html

Future Farmers of America Foundation

Post Office Box 1283
Sacramento, CA 95812-1283
(916) 443-2282; Fax (916) 448-0766

Great Valley Center

911 13th Street
Modesto, CA 95354
(209) 522-5103; Fax (209) 522-5116
www.greatvalley.org

Heidrick Ag History Center

1962 Hays Lane
Woodland, CA 95776
(530) 666-9700; Fax (530) 666-9712
www.aghhistory.org

Hmong American Community Center

Post Office Box 16315
Fresno, CA 93755
(559) 237-4919; Fax (559) 237-5905

Independent Growers Association

Post Office Box 519
33 El Camino Real
Greenfield, CA 93927
(831) 674-5547; Fax (831) 674-3835

International Agri-Center, Inc.

Post Office Box 1475
4450 South Los Pina
Tulare, CA 93275-1475
(559) 688-1751; Fax (559) 686-5065
www.farmshow.org

Los Angeles Area Chamber of Commerce

Natural Resources and Environment Council
350 South Bixel Street
Los Angeles, CA 90017
(213) 580-7552; Fax (213) 580-7511
www.lachamber.org

Madera District Chamber of Commerce

Agribusiness Committee
114 East Yosemite Avenue
Madera, CA 93638
(559) 673-3563; Fax (559) 673-5009
E-mail: madcofc@madnet.net

Marin Agricultural Land Trust

Post Office Box 809
520 Mesa Road
Point Reyes Station, CA 94956
(415) 663-1158; Fax (415) 663-1099
www.malt.org

Modesto Chamber of Commerce

Ag-Aware Program
Post Office Box 884
1114 J Street
Modesto, CA 95353
(209) 577-5757; Fax (209) 577-2673
www.modchamber.org

Multi-Ethnic Small Farm and Community Development

University of California Center
550 East Shaw Avenue, Second Floor
Fresno, CA 93710-7702
(559) 456-2218; Fax (559) 442-0335
E-mail: pala8848@aol.com

Organic Farming Research Foundation

Post Office Box 440
Santa Cruz, CA 95061
(831) 426-6606; Fax (831) 426-6670
www.offrf.org

Pacific Coast Producers

631 North Cluff Avenue
Lodi, CA 95241-1600
(209) 367-8800; Fax (209) 367-1084
www.pcoastp.com

Rural Development Center

744 Laguaradia Street, Suite A
Salinas, CA 93905
(831) 757-5294; Fax (831) 424-7289

Stockton Ag Expo

c/o Greater Stockton Chamber of Commerce
445 West Weber, Suite 220
Stockton, CA 95203
(209) 547-2770; Fax (209) 466-5271
www.schamber@stocktonchamber.org

United Agribusiness League

54 Corporate Park
Irvine, CA 92606-5105
(800) 223-4590; Fax (949) 975-1671
www.ual.org

Ventura County Agricultural Association

916 West Ventura Boulevard
Camarillo, CA 93010
(805) 388-2727; Fax (805) 388-2767

Western Crop Protection Association

3835 North Freeway Boulevard, Suite 140
Sacramento, CA 95834
(916) 568-3661; Fax (916) 565-0113
www.wcpa.org

Western Fairs Association

1776 Tribute Road, Suite 210
Sacramento, CA 95815-4410
(916) 927-3100; Fax (916) 927-6397
www.fairsnet.org

Western Growers Association

17620 Fitch Street
Irvine, CA 92714-6032
(949) 863-1000; Fax (949) 863-9028
www.wga.com

Sacramento Office
1005 12th Street, Suite A
Sacramento, CA 95814
(916) 446-1435; Fax (916) 446-0181

Animals and Livestock

GENERAL

All West/Select Sires

Post Office Box 1803, 95381
1225 Venture Lane
Turlock, CA 95380
(800) 278-8254; Fax (209) 667-8379

California Animal Nutrition Conference

1521 I Street
Sacramento, CA 95814
(916) 441-2272; Fax (916) 446-1063
www.cgfa.org

California Association of Meat Processors

1740 Jeffrey Drive
Yuba City, CA 95991
(530) 671-5714; Fax (same as phone)
E-mail: campwicki@jps.net

California Farm Bureau Federation

National Affairs and Research
2300 River Plaza Drive
Sacramento, CA 95833
(916) 561-5610; Fax (916) 561-5693
www.fb.com/cafb

California Veterinary Medical Association

5231 Madison Avenue
Sacramento, CA 95841
(916) 344-4985; Fax (916) 344-6147
www.cvma.net

Hearst Corporation

5 Third Street, Suite 200
San Francisco, CA 94103
(415) 777-0600; Fax (415) 543-3490

North Coast Livestock Protective Association

c/o Sonoma County Farm Bureau
970 Piner Road
Santa Rosa, CA 95403
(707) 544-5575; Fax (707) 544-7452

Pacific Coast Renderers Association

Post Office Box 2415
San Francisco, CA 94126
(415) 441-2121; Fax (415) 441-2221

Producers Livestock Marketing Association

Post Office Box 510, 93639
1022 South Pine Street
Madera, CA 93637
(559) 674-4674; Fax (559) 674-8351

CATTLE

California Beef Council

5726 Sonoma Drive, Suite A
Pleasanton, CA 94566
(925) 484-2333; Fax (925) 484-2686
www.calbeef.org

California Cattlemen's Association

1221 H Street
Sacramento, CA 95814-1910
(916) 444-0845; Fax (916) 444-2194
www.calcattlemen.org

California-Nevada Polled Hereford Association

8500 Rock Springs Road
Penryn, CA 95663
(916) 663-1142; Fax (916) 663-4141

Western Brahman Breeders Association

Post Office Box 2542
Turlock, CA 95381
(209) 667-1442; Fax (209) 667-5572





DAIRY

Alliance of Western Milk Producers

1225 H Street, Suite 102
 Sacramento, CA 95814
 (916) 447-9941; Fax (916) 447-9942
 E-mail: milkjet@aol.com

California Cheese and Butter Association

911 Ventura Way
 Mill Valley, CA 94941
 (415) 381-6791; Fax (415) 380-8532
 www.cacheseandbutter.org

California Dairy Herd Improvement Association

150 Clovis Avenue, Suite 102
 Clovis, CA 93612
 (559) 323-2600; Fax (559) 323-2603
 www.cdhia.org

California Dairy Incorporated

Post Office Box 6210
 11709 East Artesia Boulevard
 Artesia, CA 90702
 (562) 865-1291; Fax (562) 860-8633

California Dairy Research Foundation

502 Mace Boulevard, Suite 12
 Davis, CA 95616
 (530) 753-0681; Fax (530) 753-1453
 www.cdrf.org

California Milk Producers Advisory Board

400 Oyster Point Boulevard,
 Suite 214
 South San Francisco, CA 94080
 (650) 871-6455; Fax (650) 583-7328
 www.calif-dairy.com

Challenge Dairy Products

Post Office Box 2369
 11875 Dublin Boulevard, Suite B-230
 Dublin, CA 94568
 (925) 828-6160; Fax (925) 828-4016
 www.challengedairy.com

DairyAmerica

4974 East Clinton Way, Building C221
 Fresno, CA 93727
 (559) 251-0992; Fax (559) 251-1078
 www.dairyamerica.com

Dairy Council of California

1101 National Drive, Suite B
 Sacramento, CA 95834
 (916) 263-3560; Fax (916) 263-3566
 www.dairycouncilofca.org

Dairy Farmers of America

California Area Office
 170 North Maple Street, Suite B106
 Corona, CA 92880
 (909) 493-4900; Fax (909) 493-4901
 www.dfamilk.com

Manufacturing Facilities:
 Post Office Box 871
 Petaluma, CA 94953-0871
 (707) 763-1931; Fax (707) 778-2343

Post Office Box 868
 Willows, CA 95988
 (530) 934-4671; Fax (530) 934-2469

Dairy Institute of California

1127 11th Street, Suite 718
 Sacramento, CA 95814
 (916) 441-6921; Fax (916) 441-0802
 www.dairyinstitute.org

Dairyman's Cooperative Creamery Association/Land O' Lakes

400 South M Street
 Tulare, CA 93274
 (559) 687-8287; Fax (559) 685-6942

Humboldt Creamery

572 Highway 1
 Fortuna, CA 95540
 (707) 725-6182; Fax (707) 725-6186

Milk Producers Council

13545 Euclid Avenue
 Ontario, CA 91761
 (909) 628-6018; Fax (909) 591-7328

Western United Dairymen

1315 K Street
 Modesto, CA 95354-0917
 (209) 527-6453; Fax (209) 527-0630
 E-mail: wud@ix.netcom.com

EQUINE

California Dressage Society

Post Office Box 417
 Carmel Valley, CA 93924
 (831) 659-5696; Fax (831) 659-2383
 www.primenet.com/%7ecdsl/index.html

California Harness Horse Breeders Association

Post Office Box 254767
 Sacramento, CA 95865
 (916) 263-7888; Fax (916) 263-7887

California Horse Racing Board

1010 Hurley Way, Suite 300
 Sacramento, CA 95825
 (916) 263-6000; Fax (916) 263-6042
 www.chrb.ca.gov

California Reining Horse Association

41224 Los Ranchos Circle
 Temecula, CA 92592
 (909) 302-5071; Fax (909) 676-2957
 www.calreining.com

California State Horsemen's Association

264 Clovis Avenue, Suite 109
 Clovis, CA 93612
 (559) 325-1055; Fax (559) 325-1056
 www.calstatehorsemen.com

California Thoroughbred Breeders Association

Post Office Box 60018
 201 Colorado Place
 Arcadia, CA 91066-6018
 (626) 445-7800; Fax (626) 574-0852
 www.ctba.com

FISH

California Aquaculture Association

Post Office Box 1004
 Niland, CA 92257
 (760) 359-3474; Fax (760) 359-3308
 www.aqua.ucdavis.edu

Northern California Office
 3700 Chaney Court
 Carmichael, CA 95608
 (916) 944-7315; Fax (916) 944-2256

California Fisheries and Seafood Institute

1521 I Street
 Sacramento, CA 95814
 (916) 441-5560; Fax (916) 446-1063
 www.fishhead123.aol.com

Fisherman's Marketing Association

Columbia District
 320 Second Street, Suite 2B
 Eureka, CA 95501
 (707) 442-3789; Fax (707) 442-9166
 www.trawl.org

GOATS

Southern Counties Dairy Goat Herd Improvement Association

4239 Corona
 Norco, CA 91760
 (909) 737-5538

HOGS

California Pork Producers

Post Office Box 1800
 Atascadero, CA 93423
 (805) 461-5347; Fax (805) 461-5347
 E-mail: capork@email.msn.com

POULTRY & EGGS

California Poultry Federation

3117-A McHenry Avenue
 Modesto, CA 95350
 (209) 576-6355; Fax (209) 576-6119
 www.cpfif.org

Pacific Egg and Poultry Association

1521 I Street
 Sacramento, CA 95814
 (916) 441-0801; Fax (916) 446-1063

Squab Producers of California

409 Primo Way
 Modesto, CA 95358
 (209) 537-4744; Fax (209) 537-2037
 www.squab.com

West Coast United Egg Producers

Post Office Box 2077
 Folsom, CA 95763-2077
 (916) 985-2323; Fax (916) 358-2961
 E-mail: golden59@idt.net

SHEEP

California Wool Growers Association

1225 H Street, Suite 101
 Sacramento, CA 95814-1910
 (916) 444-8122; Fax (916) 443-1506
 E-mail: cwga@gvn.net

Cal-Wool Marketing Association

1010 Shaw Road
 Stockton, CA 95215
 (209) 466-6866; Fax (209) 466-4439

Western Range Association

6060 Sunrise Vista Drive, Suite 2400
Citrus Heights, CA 95610
(916) 962-1500; Fax (916) 962-1626

Field Crops

BEANS

Cal-Bean and Grain Cooperative

Drawer D
Pixley, CA 93256
(559) 757-3581; Fax (559) 757-1324
E-mail: calbean@lightspeed.net

California Dry Bean Advisory Board

531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-4866; Fax (559) 591-5744
www.nal.usda.gov/snlic/foodcomp

COTTON

Calcot

Post Office Box 259
Bakersfield, CA 93302
(661) 327-5961; Fax (661) 861-9870
www.calcot.com

California Cotton Ginners and Growers Associations

1941 North Gateway Boulevard, Suite 101
Fresno, CA 93727
(559) 252-0684; Fax (559) 252-0551
E-mail: cagingrow@aol.com

California Planting Cotton Seed Distributors

561 North American Street
Shafter, CA 93263
(661) 399-1400; Fax (661) 399-3169
E-mail: cpcsd@cpcsd.com

Mid-Valley Cotton Growers

Post Office Box 901
Tulare, CA 93275
(559) 686-2823; Fax (559) 685-1550
E-mail: cottonl@lightspeed.net

Western Cotton Shippers Association

1900 North Gateway Boulevard, Suite 114
Fresno, CA 93727
(559) 252-5999; Fax (559) 252-7250
www.westerncotton.com

GRAIN

California Grain and Feed Association

1521 I Street
Sacramento, CA 95814
(916) 441-2251; Fax (916) 446-1063
www.calfeed.org

Newell Grain Growers Association

Post Office Box 576
Tulelake, CA 96134
(530) 667-2603; Fax (530) 667-4845

HAY

California Alfalfa and Forage Association

Post Office Box 162
Davis, CA 95617-0162
(530) 752-9015
www.calhay.org

San Joaquin Valley Hay Growers Association

Post Office Box 1127
Tracy, CA 95378-1127
(209) 835-1662; Fax (209) 835-0719
E-mail: haygrowr@inreach.com

RICE

California Rice Industry Association

701 University Avenue, Suite 205
Sacramento, CA 95825-6757
(916) 929-3996; Fax (916) 929-2553
www.calrice.org

California Wild Rice Board

335 Teegarden Street
Yuba City, CA 95991
(530) 673-1927; Fax (530) 671-4664
E-mail: androus@syix.com

Farmers' Rice Cooperative

2525 Natomas Park Drive, Suite 300
Sacramento, CA 95833
(916) 923-5100; Fax (916) 920-3321
www.farmersrice.com

Rice Growers Association of California

1550 Harbor Boulevard, Suite 200
West Sacramento, CA 95826
(916) 371-6941; Fax (916) 372-7158

Rice Producers of California

258 Main Street, Suite 207
Colusa, CA 95932
(530) 458-7423; Fax (530) 458-5769
www.riceproducers.com

Rice Research Advisory Board

1505 Starr Drive
Yuba City, CA 95993
(530) 673-6247; Fax (530) 674-0426
www.syix.com\rrb

SEEDS

Alfalfa Seed Production Research Advisory Board

531-D North Alta Avenue
Dinuba, CA 93618
(559) 591-4792; Fax (559) 591-5744
E-mail: jdallen@psnw.com

California Crop Improvement Association

Frank G. Parsons Seed Certification Center
One Shields Avenue
University of California, Davis
Davis, CA 95616-8541
(530) 752-0544; Fax (530) 752-4735
www.ccia.ucdavis.edu

California Seed Association

1521 I Street
Sacramento, CA 95814
(916) 441-2251; Fax (916) 446-1063
www.calseed.org

Cal/West Seeds

Post Office Box 1428, 95776
41970 East Main Street
Woodland, CA 95776
(530) 666-3331; Fax (530) 666-5317
www.calwestseeds.com

WHEAT

California Association of Wheat Growers

Post Office Box 255545
Sacramento, CA 95865-5545
(916) 925-5709; Fax (916) 925-6720
E-mail: chadco@compuserve.com

California Wheat Commission

1240A Commerce Avenue
Woodland, CA 95776
(530) 661-1292; Fax (530) 661-1332
E-mail: cawheat@aol.com

Floral and Nursery

California Association of Nurserymen

3947 Lennane Drive, Suite 150
Sacramento, CA 95834
(916) 928-3900; Fax (916) 567-0505
www.can-online.org

California Chrysanthemum Growers Association

788 San Antonia Road
Palo Alto, CA 94303
(650) 494-1451; Fax (650) 494-1452

California Flower Cooperative

Post Office Box 4819
Salinas, CA 93912
(831) 758-5553; Fax (831) 758-8640

California State Floral Association

1521 I Street
Sacramento, CA 95814
(916) 448-5266; Fax (916) 446-1063
www.flowersweb.com\csfa

Forest Products

Associated California Loggers

555 Capitol Mall, Suite 745
Sacramento, CA 95814
(916) 441-7940; Fax (916) 441-7942
www.assocalog.com

California Redwood Association

405 Enfrente Drive, Suite 200
Novato, CA 94949
(415) 382-0662; Fax (415) 382-8531
www.calredwood.org

Forest Landowners of California

980 Ninth Street, Suite 1600
Sacramento, CA 95814
(916) 972-0273; Fax (916) 979-7892
www.forestlandowners.org

Fruits

GENERAL

California Grape and Tree Fruit League

1540 East Shaw Avenue, Suite 120
Fresno, CA 93710-8000
(559) 226-6330; Fax (559) 222-8326
www.ctgfl.com

California Rare Fruit Growers

5081 Dartmouth Avenue
Westminster, CA 92683
(714) 890-1939; Fax (714) 898-0492
www.crfg.org





California Tree Fruit Agreement

Post Office Box 968
975 I Street
Reedley, CA 93654-0968
(559) 638-8260; Fax (559) 638-8842
www.caltreefruit.com

Chilean Fresh Fruit Association

300 University Avenue, Suite 207
Sacramento, CA 95825
(916) 927-1217; Fax (916) 927-1297
www.cffa.org

Fruit Growers Laboratory

853 Corporation Street
Santa Paula, CA 93060
(805) 659-0910; Fax (805) 525-4172
www.fglinc.com

Loomis Fruit Growers Association

3550 Taylor Road
Loomis, CA 95650
(916) 652-7251; Fax (916) 652-8892

APPLES

Apple Hill Growers

Post Office Box 494
Camino, CA 95709
(530) 644-7692; Fax (530) 644-7975
www.applehill.com

APRICOTS

Apricot Producers of California

2125 Wylie Drive, Suite 2-A
Modesto, CA 95355
(209) 524-0801; Fax (209) 524-3840
www.apricotproducers.com

CHERRIES

**California Cherry Advisory Board
California Cherry Export Association
California Cherry Growers & Industries
Foundation**

Post Office Box 877
33 East Oak
Lodi, CA 95841
(209) 368-0685; Fax (209) 368-4309
www.calcherry.com

CITRUS

California Association of Lime Growers

823 Ridge Drive
Fallbrook, CA 92028
(760) 728-4567; Fax (760) 728-4965

California Citrus Mutual

512 North Kaweah Avenue
Exeter, CA 93221-1200
(559) 592-3790; Fax (559) 592-3798
www.cacitrusmutal.com

California Citrus Nursery Society

c/o Paramount Citrus Association
36445 Road 172
Visalia, CA 93292
(559) 798-3170; Fax (559) 798-2806

California Citrus Quality Council

210 Magnolia Avenue, Suite 3
Auburn, CA 95603
(530) 885-1894; Fax (530) 885-1546
E-mail: jpeltier@cw.com

Sunkist Growers

14130 Riverside Drive
Sherman Oaks, CA 91423
(818) 379-7340; Fax (818) 379-7511
www.sunkist.com

DRIED FRUITS

California Dried Fruit Export Association

Dried Fruit Association of California
710 Striker Avenue
Sacramento, CA 95834
(916) 561-5900; Fax (916) 561-5906
www.dfaofca.com

**California Fig Advisory Board
California Fig Institute**

3425 North First Street, Suite 109
Fresno, CA 93726
(559) 224-3447; Fax (559) 224-3449
www.californiafigs.com

Raisin Administrative Committee

3445 North First Street, Suite 101
Fresno, CA 93726
(559) 225-0520; Fax (559) 225-0652
www.raisins.org

Raisin Bargaining Association

3425 North First Street, Suite 209
Fresno, CA 93726-6819
(559) 221-1925; Fax (559) 221-0725

Sun Growers of California

Post Office Box 9024
Pleasanton, CA 94566-9024
(925) 463-8200; Fax (925) 463-7492
www.sungrowers.com

Sun-Maid Growers of California

13525 South Bethel Avenue
Kingsburg, CA 93631
(559) 896-8000; Fax (559) 897-2362
www.sunmaid.com

Valley Fig Growers

Post Office Box 1987
Fresno, CA 93718
(559) 237-3893; Fax (559) 237-3898
www.valleyfig.com

GRAPES & WINE

Allied Grape Growers

3475 West Shaw Avenue, Suite 103
Fresno, CA 93711
(559) 276-7021; Fax (559) 276-7129
E-mail: alliedgg@aol.com

**California Association of
Winegrape Growers**

555 University Avenue, Suite 250
Sacramento, CA 95825
(916) 924-5370; Fax (916) 924-5374
www.cawg.org

Family Winemakers of California

1400 K Street, Suite 304
Sacramento, CA 95814
(916) 498-7500; Fax (916) 498-7505
www.familywinemakers.org

Wine Institute

425 Market Street, Suite 1000
San Francisco, CA 94105
(415) 512-0151; Fax (415) 442-0742
www.wineinstitute.org

PEACHES

California Canning Peach Association

2300 River Plaza Drive, Suite 110
Sacramento, CA 95833
(916) 925-9131; Fax (916) 925-9030
www.calpeach.com

California Freestone Peach Association

1704 Herndon Road
Ceres, CA 95307
(209) 538-2372; Fax (209) 537-1043
www.calpeach.com

PEARS

California Pear Growers

1220 Melody Lane, Suite 160
Roseville, CA 95678-5181
(916) 774-9550; Fax (916) 774-9552
www.calpear.com

**Oregon/Washington/California
Pear Bureau**

Winter Pear Control Committee
4382 Southeast International Way, Suite A
Milwaukie, OR 97222-4635
(503) 652-9720; Fax (503) 652-9721
www.usapears.com

Pacific Canned Pear Service

105 South 18th Street, Suite 205
Yakima, WA 98901-2149
(509) 453-4837; Fax (509) 453-4880
www.wastatefruit.com

PRUNES

Prune Bargaining Association

335 Teegarden, Suite B
Yuba City, CA 95991
(530) 674-5636; Fax (530) 674-3804
www.prunebargaining.com

Sun Growers of California

5568 Gibraltar Drive
Pleasanton, CA 94588
(925) 463-8200; Fax (925) 463-7492

Sunsweet Growers

901 North Walton Avenue
Yuba City, CA 95993
(530) 674-5010; Fax (530) 674-0132
www.sunsweetgrowers.com

Tule River Cooperative Dryer

16548 Road 168
Woodville, CA 93258
(559) 686-4685; Fax (559) 686-8061

NUTS

Almond Board of California

1150 Ninth Street, Suite 1500
Modesto, CA 95354
(209) 549-8262; Fax (209) 549-8267
www.almondsarein.com

Almond Growers Council

Almond Hullers' Processing Association

2350 Lecco Way
Merced, CA 95340
(209) 723-7661; Fax (209) 723-7943
www.ahpa.net

Blue Diamond Growers

Post Office Box 1768
1802 C Street
Sacramento, CA 95812
(916) 442-0771; Fax (916) 446-8620
www.bluediamondgrowers.com

California Macadamia Society

Post Office Box 1298
Fallbrook, CA 92088-1298
(760) 728-8081; Fax (760) 728-8081
www.users.aol.com/teeterjs/cms.html

California Walnut Commission

1540 River Park Drive, Suite 203
Sacramento, CA 95815
(916) 646-3807; Fax (916) 923-2548
www.walnut.org

Diamond Walnut Growers

Post Office Box 95201-1727
1050 South Diamond Street
Stockton, CA 95205
(209) 467-6000; Fax (209) 467-6709
www.diamondofcalifornia.com

Walnut Bargaining Association

542 Fifth Street, Suite 2
Lincoln, CA 95648
(916) 645-8835; Fax (916) 645-2997
E-mail: icardi@pacbell.net

Walnut Marketing Board

1540 River Park Drive, Suite 203
Sacramento, CA 95815
(916) 922-5888; Fax (916) 923-2548
www.walnut.org

Vegetables

GENERAL

Fresh Produce and Floral Council

6301 Beach Boulevard, Suite 150
Buena Park, CA 90621
(714) 739-0177; Fax (714) 739-0226
www.fpfcc.org

AVOCADOS

Calavo Growers of California

2530 Red Hill Avenue
Santa Ana, CA 92705
(714) 223-1111; Fax (714) 223-1112
www.calavo.com

California Avocado Society

Post Office Box 4816
Ventura, CA 93007
(805) 644-1184; Fax (805) 644-1184

BEETS

California Beet Growers Association

2 West Swain Road
Stockton, CA 95207-4395
(209) 477-5596; Fax (209) 477-1610
www.members.aol.com/asga/cal.htm

CORN

California Corn Growers

Post Office Box 726
Chowchilla, CA 93610
(559) 665-5775; Fax (559) 665-5733

LETTUCE

Central California Lettuce Producers Cooperative

512 Pajaro Street
Salinas, CA 93901
(831) 758-2759; Fax (831) 758-6972
E-mail: cclpc@aol.com

OLIVES

California Olive Association

c/o California League of Food Processors

980 Ninth Street, Suite 230
Sacramento, CA 95814
(916) 444-9260; Fax (916) 444-2746
www.clfp.com

California Olive Committee

1903 North Fine, Suite 102
Fresno, CA 93727
(559) 456-9096; Fax (559) 456-9099
www.calolive.org

Oberti Olives

12806 Road 26
Madera, CA 93637
(559) 674-8741; Fax (559) 673-3960

Olive Growers Council

121 East Main Street, Suite 6
Visalia, CA 93291
(559) 734-1710; Fax (559) 625-4847

POTATOES

California Sweet Potato Growers Association

Post Office Box 534
Livingston, CA 95334
(209) 394-7935; Fax (209) 394-8433

Sweet Potato Council of California

Post Office 366
Livingston, CA 95334
(209) 358-1685; Fax (209) 358-2750

TOMATOES

California Tomato Commission

1625 East Shaw Avenue, Suite 122
Fresno, CA 93710
(559) 230-0116; Fax (559) 230-0635
www.tomato.org

California Tomato Growers Association

Post Office Box 7398
Stockton, CA 95267
(209) 478-1761; Fax (209) 478-9460
www.ctga.org

Central California Tomato Growers Cooperative

Post Office Box 696
Merced, CA 95341
(209) 722-8086; Fax (209) 383-2084

National Agricultural Organizations

General

American Agricultural Economics Association

415 South Duff Avenue, Suite C
Ames, IA 50010-6600
(515) 233-3202; Fax (515) 233-3101
www.aaea.org/index.html

American Agricultural Editors' Association

Post Office Box 162585
2400 South Fourth Street
Austin, TX 78704
(512) 451-5000; Fax (512) 323-3503
www.ageditors.com

American Agri-Women

5582 75th Avenue North East
Salem, OR 97305
(503) 371-1399; Fax (503) 371-4896
www.americanagriwomen.com

American Association of Cereal Chemists

3340 Pilot Knob Road
Saint Paul, MN 55121-2097
(651) 454-7250; Fax (651) 454-0766
www.scisoc.org

American Farm Bureau Federation

600 Maryland Avenue, SW, Suite 800
Washington, D.C. 20024
(202) 484-3600; Fax (202) 484-3604
www.fb.com

American Farmland Trust

California Field Office
260 Russell Avenue, Suite D
Davis, CA 95616
(530) 753-1073; Fax (530) 753-1120
www.farmland.org

Visalia Field Office
1324 West Center Street
Visalia, CA 93291
(559) 627-3708; Fax (559) 627-3821
www.farmland.org

American National Cattle Women

Post Office Box 3881, 80155-3881
5420 South Quebec Street
Englewood, CO 80111
(303) 694-0313; Fax (303) 694-2390
www.beef.org/organzns/ancw.htm

American Society for Enology and Viticulture

Post Office Box 1855, 95617
1784 Picasso Avenue, Suite D
Davis, CA 95616
(530) 727-3439; Fax (530) 727-5004
www.ajev.com

American Society of Agricultural Engineers

2950 Niles Road
Saint Joseph, MI 49085-9659
(616) 429-0300; Fax (616) 429-3852
www.asae.org





American Society of Farm Managers and Rural Appraisers

California Chapter
Post Office Box 838
Woodbridge, CA 95258
(209) 368-3672; Fax (209) 368-3602
www.calasfmrma.com

American Vineyard Foundation

Post Office Box 5779
Napa, CA 94581
(707) 252-6911; Fax (707) 252-7672
www.avf.org

Commission on 21st Century Production Agriculture

1400 Independence Avenue, SW
Room 3701 South Building
Washington, D.C. 20250-0524
(202) 720-3139; Fax (202) 690-4420

Food Marketing Institute

655 15th Street, NW
Washington, D.C. 20005
(202) 452-8444; Fax (202) 429-4519
www.fmi.org

Hydroponic Society of America

Post Office Box 1183
El Corrito, CA 94530
(510) 232-2323; Fax (510) 232-2384
www.hsa.hydroponics.org

International Food Information Council

1100 Connecticut Avenue, NW, Suite 430
Washington, D.C. 20036
(202) 296-6540; Fax (202) 296-6547
www.ificinfo.health.org

International Ice Cream Association

1250 H Street, NW, Suite 900
Washington, D.C. 20005
(202) 737-4332; Fax (202) 331-7820
www.idfa.org

National 4-H Council

7100 Connecticut Avenue
Chevy Chase, MD 20815
(301) 961-2840; Fax (301) 961-2894
www.fourhcouncil.edu

National Agri-Marketing Association

11020 King Street, Suite 205
Overland Park, KS 66210
(913) 491-6500; Fax (913) 491-6502
www.nama.org

National Farmers Organization

2853 Geer Road, Suite C
Turlock, CA 95382
(209) 634-6455; Fax (209) 634-6348
www.info.org

Organic Trade Association

Post Office Box 547
74 Fairview Street
Greenfield, MA 01301
(413) 774-7511; Fax (413) 774-6432
www.ota.com

Produce Marketing Association

Post Office Box 6036
1500 Casho Mill Road
Newark, DE 19714-6036
(302) 738-7100; Fax (302) 731-2409
www.pma.com

Quality Chek'd Dairy Products Association

1733 Park Street
Naperville, IL 60563
(630) 717-1110; Fax (630) 717-1126
www.qchekd.com

Soil and Water Conservation Society

7515 Northeast Ankeny Road
Ankeny, IA 50021
(515) 289-2331; Fax (515) 289-1227
www.swcs.org

United Fresh Fruit and Vegetable Association

727 North Washington Street
Alexandria, VA 22314
(703) 836-3410; Fax (703) 836-2049
www.uffva.org

Animals and Livestock

GENERAL

American Association of Meat Processors

Post Office Box 269
One Meating Place
Elizabethtown, PA 17022
(717) 367-1168; Fax (717) 367-9096
www.aamp.com

American Society of Animal Science

1111 North Dunlap Avenue
Savoy, IL 61874
(217) 356-3182; Fax (217) 398-4119
www.asas.org

National Institute for Animal Agriculture

1910 Lyda Avenue
Bowling Green, KY 42104
(270) 782-9798; Fax (270) 782-0188
www.lcionline.org

National Meat Association

1970 Broadway, Suite 825
Oakland, CA 94612
(510) 763-1533; Fax (510) 763-6186
www.nmaonline.org

National Renderers Association

801 North Fairfax Street, Suite 207
Alexandria, VA 22314
(703) 683-0155; Fax (703) 683-2626
www.renderers.org

United States Animal Health Association

Post Office Box K227, 23288
8100 Three Chopt Road, Suite 203
Richmond, VA 23229
(804) 285-3210; Fax (804) 285-3367
www.usaha.org

CATTLE

American Angus Association

3201 Frederick Avenue
Saint Joseph, MO 64506-2997
(816) 383-5100; Fax (816) 233-9703
www.angus.org

American Brahman Breeders Association

3003 South Loop West, Suite 140
Houston, TX 77054
(713) 349-0854; Fax (713) 349-9795
www.brahman.org

American Hereford Association

Post Office Box 014059, 64101
1501 Wyandotte
Kansas City, MO 64108
(816) 842-3757; Fax (816) 842-6931
www.hereford.org

American-International Charolais Association

Post Office Box 20247, 64195
11700 Northwest Plaza Circle
Kansas City, MO 64153
(816) 464-5977; Fax (816) 464-5759
www.charolaisusa.com

American Jersey Cattle Association

6486 East Main Street
Reynoldsburg, OH 43068-2362
(614) 861-3636; Fax (614) 861-8040
www.usjersey.com

American Shorthorn Association

8288 Hascall Street
Omaha, NE 68124
(402) 393-7200; Fax (402) 393-7203
www.beefshorthornusa.com

Beef Industry Council

444 North Michigan Avenue,
Suite 1800
Chicago, IL 60611
(312) 467-5520; Fax (312) 467-9729
www.beef.org

International Livestock Identification Association

201 Livestock Exchange Building
4701 Marion Street
Denver, CO 80216
(303) 294-0895; Fax (303) 294-0918

National Cattlemen's Beef Association

5420 South Quebec Street
Greenwood Village, CO 80111
(303) 694-0305; Fax (303) 694-2851
www.beef.org

North American Limousin Foundation

7383 South Alton Way, Suite 100
Englewood, CO 80112
(303) 220-1693; Fax (303) 220-1884
www.nalf.org

Texas Longhorn Breeders Association of America

2315 North Main Street, Suite 402
Fort Worth, TX 76106
(817) 625-6241; Fax (817) 625-1388
www.tlbaa.com

DAIRY

American Butter Institute

2101 Wilson Boulevard, Suite 400
Arlington, VA 22201
(703) 243-6111
www.dairyinfo.com

American Cheese Society

Post Office Box 303
Delavan, WI 53115-0303
(262) 728-4458; Fax (262) 728-1658
www.cheesesociety.org

American Dairy Products Institute

300 West Washington Street, Suite 400
Chicago, IL 60606
(312) 782-4888; Fax (312) 782-5299
www.americandairyproducts.com

American Dairy Science Association

1111 North Dunlap Avenue
Savoy, IL 61874
(217) 356-3182; Fax (217) 398-4119
www.adsa.org

Dairy Management

10255 West Higgins Road, Suite 900
Rosemont, IL 60018-5616
(847) 803-2000; Fax (847) 803-2077
www.dairyinfo.com

International Dairy Foods Association

1250 H Street, NW, Suite 900
Washington, D.C. 20005
(202) 737-4332; Fax (202) 331-7820
www.idfa.org

Milk Industry Foundation

1250 H Street, NW, Suite 900
Washington, D.C. 20005
(202) 737-4332; Fax (202) 737-4332
www.idfa.org

National Cheese Institute

1250 H Street, NW, Suite 900
Washington, D.C. 20005
(202) 737-4250; Fax (202) 331-7820
www.idfa.org

National Milk Producers Federation

2101 Wilson Boulevard, Suite 400
Arlington, VA 22201
(703) 243-6111; Fax (703) 841-9328
www.nmpf.org

United Dairy Cooperative Service

12 North Park Street
Seneca Falls, NY 13148
(315) 568-2750; Fax (315) 568-2752
E-mail: uniteddag@flare.net

EQUINE

American Association of Equine Practitioners

4075 Iron Works Parkway
Lexington, KY 40511
(606) 233-0147; Fax (606) 233-1968
www.aap.org

American Buckskin Registry Association

Post Office Box 3850
Redding, CA 96049-3850
(530) 223-1420; Fax (530) 223-1420

American Donkey & Mule Society

2901 North Elm Street
Denton, TX 76201
(940) 382-6845; Fax (940) 484-8417
www.donkeys.com/adms.html

American Horse Council

1700 K Street, NW, Suite 300
Washington, D.C. 20006
(202) 296-4031; Fax (202) 296-1970
www.horsecouncil.org

American Paint Horse Association (Registry)

Post Office Box 961023
Fort Worth, TX 76161-0023
(817) 834-2742; Fax (817) 834-3152

American Quarter Horse Association

Post Office Box 200
Amarillo, TX 79168-001
(806) 376-4811; Fax (806) 349-6401

American Shire Horse Association

Post Office Box 739
New Castle, CO 81647
(970) 876-5980; Fax (970) 876-1977
www.shirehorse.org

Appaloosa Horse Club (Registry)

2720 West Pullman Road
Moscow, ID 83843-0903
(208) 882-5578; Fax (208) 882-8150

Arabian Horse Registry of America, Inc.

Post Office Box 173886
Denver, CO 80217-3886
(303) 450-4748; Fax (303) 450-2841

United States Trotting Association (Registry)

750 Michigan Avenue
Columbus, OH 43215-1191
(614) 224-2291; Fax (614) 224-4575

FISH

American Fisheries Society

5410 Grosvenor Lane, Suite 110
Bethesda, MD 20814
(301) 897-8616; Fax (301) 897-8096
www.fisheries.org

United States Trout Farmers Association

111 West Washington Street, Suite 1
Charleston, WV 25414-1529
(304) 728-2189; Fax (304) 728-2196
www.usdfa.org

United States Tuna Foundation

1101 17th Street, NW, Suite 609
Washington, D.C. 20036
(202) 857-0610; Fax (202) 331-9686

World Aquaculture Society

143 J.M. Parker Coliseum, Louisiana State University
Baton Rouge, LA 70803
(225) 578-3137; Fax (225) 578-3493
www.was.org

GOATS

American Dairy Goat Association

Post Office Box 865
209 West Main Street
Spindale, NC 28160
(828) 286-3801; Fax (828) 287-0476
www.adga.org

HOGS

National Pork Producers Board

1776 Northwest 114th Street
Clive, IA 50325
(515) 223-2600; Fax (515) 223-2646
www.nppc.org

LLAMAS

International Llama Association

California Chapter
1188 Olive Hill Lane
Napa, CA 94558
(707) 255-4971; Fax (707) 251-0887
www.internationalllama.org
or www.llama.org (for CA)

POULTRY & EGGS

American Egg Board

1460 Renaissance Drive, Suite 301
Park Ridge, IL 60068
(847) 296-7043; Fax (847) 296-7007
www.aeb.org

American Poultry Association

133 Millville Street
Mendon, MA 01756
(508) 473-8769
www.ampltya.com

National Chicken Council

1015 15th Street, NW, Suite 930
Washington, D.C. 20005-2605
(202) 296-2622; Fax (202) 293-4005
www.eatchicken.com

U.S.A. Poultry and Egg Export Council

2300 West Park Place Boulevard, Suite 100
Stone Mountain, GA 30087
(770) 413-0006; Fax (770) 413-0007
www.usapeec.org

SHEEP

American Sheep Industry Association

6911 South Yosemite Street
Englewood, CO 80112-1414
(303) 771-3500; Fax (303) 771-8200
www.sheepusa.org

Field Crops

GENERAL

American Crop Protection Association

1156 15th Street, NW, Suite 400
Washington, D.C. 20005
(202) 296-1585; Fax (202) 463-0474
www.acpa.org

American Feed Industry Association

1501 Wilson Boulevard, Suite 1100
Arlington, VA 22209
(703) 524-0810; Fax (703) 524-1921
www.afia.org

ALFALFA

American Alfalfa Processors Association

9948 West 87th Street, Suite E
Overland Park, KS 66212
(913) 648-6800; Fax (913) 648-2648
www.aapausa.org

BEANS

American Soybean Association

12125 Woodcrest Executive Drive, Suite 100
Saint Louis, MO 63141
(314) 576-1770; Fax (314) 576-2786
www.amsoy.org

National Dry Bean Council

6707 Old Dominion Drive, Suite 315
McLean, VA 22101
(703) 556-9304; Fax (703) 556-9301

COTTON

American Cotton Shippers Association

88 Union Center, Suite 1204
Memphis, TN 38103
(901) 525-2272; Fax (901) 527-8303
www.acsa-cotton.org





Cotton Council International

1521 New Hampshire, NW
Washington, D.C. 20036
(202) 745-7805; Fax (202) 483-4040
www.cottonusa.org

International Cotton Advisory Committee

1629 K Street, NW, Suite 702
Washington, D.C. 20006
(202) 463-6660; Fax (202) 463-6950
www.icac.org

GRAIN

American Association of Grain Inspection & Weighing Agencies

1629 K Street, NW, Suite 1100
Washington, D.C. 20006
(202) 785-6740; Fax (202) 331-4212
E-mail: agriwash@aol.com

Grain Sorghum Producers Association

Post Office Box 5309
Lubbock, TX 79408
(806) 749-3478; Fax (806) 749-9002
www.sorghumgrowers.com

National Grain and Feed Association

1250 I Street, NW, Suite 103
Washington, D.C. 20005-3922
(202) 289-0873; Fax (202) 289-5388
www.ngfa.org

United States Grains Council

1400 K Street, NW, Suite 1200
Washington, D.C. 20005
(202) 789-0789; Fax (202) 898-0522
www.grains.org

HAY

National Hay Association

102 Treasure Island Causeway
St. Petersburg, FL 33706
(800) 707-0014; Fax (727) 367-9608
www.haynha.org

RICE

U.S.A. Rice Federation

Post Office Box 740123
Houston, TX 77274
(713) 270-6699; Fax (713) 270-9021
www.usarice.com

SEEDS

American Seed Trade Association

601 13th Street, NW, 570 South
Washington, D.C. 20005-3807
(202) 638-3128; Fax (202) 638-3171
www.amseed.org

WHEAT

National Association of Wheat Growers

415 Second Street, NE, Suite 300
Washington, D.C. 20002
(202) 547-7800; Fax (202) 546-2638
www.wheatworld.org

U.S. Wheat Associates

1620 I Street, NW, Suite 801
Washington, D.C. 20006-4005
(202) 463-0999; Fax (202) 785-1052
www.uswheat.org

Wheat Quality Council

Post Office Box 966
Pierre, SD 57501-0966
(605) 224-5187; Fax (605) 224-0517
www.wheatqualitycouncil.org

Floral

American Association of Botanical Gardens & Arboreta

351 Longwood Road
Kennett Square, PA 19348
(610) 925-2500; Fax (610) 925-2700
www.aabga.org

American Horticultural Society

7931 East Boulevard Drive
Alexandria, VA 22308-1300
(703) 768-5700; Fax (703) 768-8700
www.ahs.org

American Horticultural Therapy Association

909 York Street
Denver, CO 80206-3799
(301) 331-3862; Fax (301) 869-2397
www.ahta.org

American Society for Horticultural Science

113 South West Street, Suite 200
Alexandria, VA 22314-2851
(703) 836-4606; Fax (703) 836-2024
www.ashs.org

National Sunflower Association

4023 State Street
Bismark, ND 58501
(701) 328-5100; Fax (701) 328-5101
www.sunflowerusa.com

Forest Products

American Forest & Paper Association

1111 19th Street, NW, Suite 800
Washington, D.C. 20036
(202) 463-2700; Fax (202) 463-2741
www.afandpa.org

American Forests

Post Office Box 2000
Washington, D.C. 20013
(202) 955-4500; Fax (202) 955-4588
www.amfor.org

Forest Landowners Association

Post Office Box 95385
Atlanta, GA 30347
(800) 325-2954; Fax (404) 325-2955
www.forestland.org

Society of American Foresters

5400 Grosvenor Lane
Bethesda, MD 20814
(301) 897-8720; Fax (301) 897-3690
www.safnet.org

Timber Products Manufacturers

951 East Third Avenue
Spokane, WA 99202
(509) 535-4646; Fax (509) 534-6106
www.tpms.com

TOC Management Services (Timber Operators Council)

6825 Southwest Sandburg Street
Tigard, OR 97223
(503) 620-1710; Fax (503) 620-3935
www.toc.org

Fruits

APPLES

Apple Processors Association

1629 K Street, NW, Suite 1100
Washington, D.C. 20006
(202) 785-6715; Fax (202) 331-4212
www.agriwashington.org

United States Apple Association

6707 Old Dominion Drive, Suite 320
McLean, VA 22101-4456
(703) 442-8850; Fax (703) 790-0845
www.usapple.org

BANANAS

International Banana Association United Fresh Fruit and Vegetable Association

727 North Washington Street
Alexandria, VA 22314
(703) 836-5499; Fax (703) 836-2049
www.uffva.org

BERRIES

American Cranberry Growers Association

28 Hawthorne
Princeton, NJ 08540
(609) 921-7133

North American Blueberry Council

4995 Golden Foothill Parkway,
Suite 2
El Dorado Hills, CA 95762
(916) 933-9399; Fax (916) 933-9777
www.blueberry.org

CHERRIES

Cherry Marketing Institute

Post Office Box 30285
Lansing, MI 48909-7785
(517) 669-4264; Fax (517) 669-3354
www.cherrymkt.org

CITRUS

Citrus Research and Education Center

University of Florida
700 Experiment Station Road
Lake Alfred, FL 33850-2299
(863) 956-1151; Fax (863) 956-4631
www.lal.ufl.edu

National Lime Association

200 North Glebe Road, Suite 800
Arlington, VA 22203-3728
(703) 243-5463; Fax (703) 243-5489
www.lime.org

GRAPES & WINE

Allied Grape Growers

3475 West Shaw Avenue, Suite 103
Fresno, CA 93711
(559) 276-7021; Fax (559) 276-7129
E-mail: alliedgg@aol.com

American Vineyard Foundation

Post Office Box 5779
Napa, CA 94581
(707) 252-6911; Fax (707) 252-7672
www.avf.org

Concord Grape Association

5775 Peachtree-Dunwoody Road, Suite 500-G
Atlanta, GA 30342
(404) 252-3663; Fax (404) 252-0774
www.concordgrape.org

Wine Institute

425 Market Street, Suite 1000
San Francisco, CA 94105
(415) 512-0151; Fax (415) 442-0742
www.wineinstitute.org

MELONS

National Watermelon Promotion Board

Post Office Box 140065
Orlando, FL 32814-0065
(407) 895-5100; Fax (407) 895-5022
www.watermelon.org

PEACHES

National Peach Council

12 Nicklaus Lane, Suite 101
Columbia, SC 29229
(803) 788-7101; Fax (803) 865-8090
E-mail: charleswalker@worldnet.att.net

Nuts

American Walnut Manufacturers Association

Post Office Box 5046
Zionsville, IN 46077
(317) 873-8780; Fax (317) 873-8780
www.walnutassociation.org

Vegetables

American Mushroom Institute

One Massachusetts Avenue, NW, Suite 800
Washington, D.C. 20001
(202) 842-4344; Fax (202) 408-7763
www.americannmushroom.org

Corn Refiners Association, Inc.

1701 Pennsylvania Avenue, NW, Suite 590
Washington, D.C. 20006
(202) 331-1634; Fax (202) 331-2054
www.corn.org

International Pumpkin Association

414 Mason Street, Suite 704
San Francisco, CA 94102
(415) 249-4640; Fax (415) 249-4630
E-mail: festivals@tpnco.com

National Corn Growers Association

1000 Executive Parkway, Suite 105
Saint Louis, MO 63142-6397
(314) 275-9915; Fax (314) 275-7061
www.ncga.com

National Onion Association

822 Fourth Street, Suite 510
Greeley, CO 80631
(970) 353-5895; Fax (970) 353-5897
www.onions-usa.org

Western Growers Association

17620 Fitch Street
Irvine, CA 92614
(949) 863-1000; Fax (949) 863-9028
www.wga.com

Farm Labor Organizations

Agricultural Producers

25060 West Avenue Stanford, Suite 200
Valencia, CA 91355-3446
(661) 257-4900; Fax (661) 295-0430
www.apasco.com

Buena Ventura Lemon

Post Office Box 4095, 93007
11175 Nardo Street
Saticoy, CA 93004
(805) 647-1195; Fax (805) 647-8573

California Grower Foundation

176 Main Street, Suite C
Saint Helena, CA 94574
(707) 963-7191; Fax (707) 963-5728

California Processors

425 Military East, Suite J
Benicia, CA 94510
(707) 747-6055; Fax (707) 747-6059

Farm Employers Labor Service

2300 River Plaza Drive
Sacramento, CA 95833
(916) 561-5670; Fax (916) 561-5696
www.fels.org

Grower-Shipper Vegetable Association of Central California

Post Office Box 828
Salinas, CA 93902
(831) 422-8844; Fax (831) 422-0868
www.grower-shipper.com

Grower-Shipper Vegetable Association of Santa Barbara & San Luis Obispo Counties

Post Office Box 10
Guadalupe, CA 93434
(805) 343-2215; Fax (805) 343-6189
E-mail: gsvasbco@silcom.com

Growers Harvesting Committee

Post Office Box 745
Modesto, CA 95353
(209) 527-4404; Fax (209) 529-6971
www.wga.com

Independent Growers Association

Post Office Box 519
Greenfield, CA 93927
(831) 674-5547; Fax (831) 674-3835

National Farmers Organization

2853 Geer Road, Suite C
Turlock, CA 95382
(209) 634-6455; Fax (209) 634-6348
www.nfo.org

Nisei Farmers League

1775 North Fine Street
Fresno, CA 93727
(559) 251-8468; Fax (559) 251-8430
E-mail: nisei@lightspeed.net

Southern California Growers Foundation

Post Office Box 1158, 92244-1158
1411 State Street
El Centro, CA 92243
(760) 353-7243; Fax (760) 353-3622

United Agribusiness League

54 Corporate Park
Irvine, CA 92606-5105
(949) 975-1424; Fax (949) 975-1671
www.ual.org

USDA National Center of Excellence

University of California Center
550 East Shaw Avenue, Second Floor
Fresno, CA 93710-7702
(559) 225-1194; Fax (559) 225-1296

Vegetable Bargaining Association of California

Post Office Box 519
Greenfield, CA 93927
(831) 674-5547; Fax (831) 674-3835

Water and Natural Resources

Association of California Water Agencies

910 K Street, Suite 100
Sacramento, CA 95814
(916) 441-4545; Fax (916) 325-2306
www.acwanet.com

CALFED Bay-Delta Program

1416 Ninth Street, Suite 1155
Sacramento, CA 95814
(916) 657-2666; Fax (916) 654-9780
www.calfed.ca.gov

California Association of Resource Conservation Districts

801 K Street, Suite 1318
Sacramento, CA 95814
(916) 447-7237; Fax: (916) 447-2532
www.carcd.org

California Central Valley Flood Control Association

910 K Street, Suite 310
Sacramento, CA 95814
(916) 446-0197; Fax (916) 446-2404

California Department of Water Resources

1416 Ninth Street
Sacramento, CA 95814
(916) 653-5791; Fax (916) 653-6985
www.dwr.water.ca.gov

California Farm Water Coalition

717 K Street, Suite 505
Sacramento, CA 95814-3406
(916) 441-7723; Fax (916) 441-7842
www.cfwc.com





California Groundwater Association

Post Office Box 14369, 95402-6369
3416 Mendocino Avenue, Building B
Santa Rosa, CA 95403
(707) 578-4408; Fax (707) 546-4906
E-mail: wellguy@atdial.net

California Mutual Water Companies Association

7452 Dufferin Avenue
Riverside, CA 92504
(909) 780-1333; Fax (909) 780-1973

California Water Clearinghouse

Post Office Box 2640
Fair Oaks, CA 95628
(916) 966-5933; Fax (916) 966-5944
www.bay-delta.org

Central Valley Project Water Association

1521 I Street
Sacramento, CA 95814
(916) 448-1638; Fax (916) 446-1063
E-mail: cvpassn@aol.com

Colorado River Board of California

770 Fairmont Avenue, Suite 100
Glendale, CA 91203-1035
(818) 543-4676; Fax (818) 543-4685

Family Water Alliance

Post Office Box 365
37 Oak Street
Maxwell, CA 95955
(530) 438-2026; Fax (530) 438-2940
www.familywateralliance.com

Friant Water Users Authority

854 North Harvard Avenue
Lindsay, CA 93247-1715
(559) 562-6305; Fax (559) 562-3496
www.fwua.org

Northern California Water Association

455 Capitol Mall, Suite 335
Sacramento, CA 95814
(916) 442-8333; Fax (916) 442-4035
www.norcalwater.org

Sacramento River Water Contractors Association

910 K Street, Suite 310
Sacramento, CA 95814
(916) 446-0197; Fax (916) 446-2404

State Water Contractors

455 Capitol Mall, Suite 220
Sacramento, CA 95814
(916) 447-7357; Fax (916) 447-2734
www.swc.org

Water Association of Kern County

801 South Mount Vernon
Bakersfield, CA 93307
(661) 397-7426; Fax (661) 397-3403
www.wakc.com

Water Education Foundation

717 K Street, Suite 317
Sacramento, CA 95814
(916) 444-6240; Fax (916) 448-7699
www.water-ed.org

WaterReuse Association of California

915 L Street, Suite 1000
Sacramento, CA 95814-3701
(916) 442-2746; Fax (916) 442-0382
www.watereuse.com

Selected Government Agencies

California Environmental Protection Agency

555 Capitol Mall, Suite 525
Sacramento, CA 95814
(916) 445-3846; Fax 445-6401
www.calepa.ca.gov

Air Resources Board

1001 I Street
Sacramento, CA 95814
(916) 322-2990; Fax (916) 445-5025
www.arb.ca.gov

California Integrated Waste Management Board

1001 I Street
Sacramento, CA 95814
(916) 255-2200; Fax (916) 255-2602
www.ciwmb.ca.gov

Department of Pesticide Regulation

1001 I Street
Sacramento, CA 95814
(916) 445-4300; Fax (916) 324-1452
www.cdpr.ca.gov

Pesticide Enforcement

1001 I Street
Sacramento, CA 95814
(916) 445-3920; Fax (916) 445-3907

Enforcement, Environmental Monitoring and Data Management Division Environmental Monitoring and Pest Management

1001 I Street
Sacramento, CA 95814
(916) 324-4100; Fax (916) 324-4088

Registration and Health Evaluation Medical Toxicology

1001 I Street
Sacramento, CA 95814
(916) 445-4233; Fax (916) 324-3506

Registration and Health Evaluation Pesticide Registration

1001 I Street
Sacramento, CA 95814
(916) 445-4400; Fax (916) 324-1719

Registration and Health Evaluation Worker Health and Safety

1001 I Street
Sacramento, CA 95814
(916) 445-4222; Fax (916) 445-4280

Department of Toxic Substances Control

1001 I Street
Sacramento, CA 95814
(916) 324-1826; Fax (916) 324-1788
www.dtsc.ca.gov

Office of Environmental Health Hazard Assessment

1001 I Street
Sacramento, CA 95814
(916) 324-7572; Fax (916) 327-1097
www.oehha.org

State Water Resources Control Board

1001 I Street
Sacramento, CA 95814
(916) 657-2399; Fax (916) 657-0932
www.swrcb.ca.gov

California Legislative Committees

Assembly Committee on Agriculture and Water Resources

Honorable Dean Florez, Chairman
Legislative Office Building
1020 N Street, Suite 362
Sacramento, CA 95814
(916) 319-2084; Fax (916) 319-2184

Senate Committee on Agriculture and Water Resources

Honorable Jim Costa, Chairman
State Capitol, Room 405
Sacramento, CA 95814
(916) 445-2206; Fax (916) 327-8290

California Resources Agency

1416 Ninth Street, Suite 1311
Sacramento, CA 95814
(916) 653-5656; Fax (916) 653-8102
www.ceres.ca.gov

California Coastal Commission

45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219
(415) 904-5200; Fax (415) 904-5400
www.ceres.ca.gov/coastalcomm/web/index.html

California Coastal Conservancy

1330 Broadway, Suite 1100
Oakland, CA 94612-2530
(510) 286-1015; Fax (510) 286-0470
www.coastalconservancy.ca.gov

California Energy Commission

1516 Ninth Street
Sacramento, CA 95814
(916) 654-4989; Fax (916) 654-4420
www.energy.ca.gov

Colorado River Board of California

770 Fairmont Avenue, Suite 100
Glendale, CA 91203-1035
(818) 543-4676 ; Fax (818) 543-4685

Department of Conservation

801 K Street, Suite 2400
Sacramento, CA 95814
(916) 322-1080; Fax (916) 445-0732
www.consrv.ca.gov

Department of Fish and Game

1416 Ninth Street, 12th Floor
Sacramento, CA 95814
(916) 653-6420; Fax (916) 653-1856
www.dfg.ca.gov

**Department of Forestry and
Fire Protection**

1416 Ninth Street, Room 1505
Sacramento, CA 95814
(916) 653-7772; Fax (916) 653-4171
www.fire.ca.gov

Department of Parks & Recreation

1416 Ninth Street, 14th Floor
Sacramento, CA 95814
(916) 653-6995; Fax (916) 653-9824
www.cal-parks.ca.gov

Department of Water Resources

1416 Ninth Street, Room 1115-1
Sacramento, CA 95814
(916) 653-7007; Fax (916) 653-6985
www.dwr.water.ca.gov

CALFED Bay-Delta Program

1416 Ninth Street, Suite 1155
Sacramento, CA 95814
(916) 657-2666; Fax (916) 654-9780
calfed.ca.gov

Reclamation Board

1416 Ninth Street, Room 1601
Sacramento, CA 95814-5509
(916) 653-5434; Fax (916) 653-5805

**California State Lands
Commission**

100 Howe Avenue, Suite 100 S
Sacramento, CA 95825-8202
(916) 574-1900; Fax (916) 574-1810
www.slc.ca.gov

**California Trade and
Commerce Agency
INTERNATIONAL FIELD
OFFICES**

**China: Service to Southern China,
Hong Kong and Taiwan**

**California Office of Trade
and Investment**
Suite 207, St. George's Building
2, Ice House Street
Central, Hong Kong
Phone (011-852) 2877-3600
Fax (011-852) 2877-2691

Shirley Ng, CDFA Trade Specialist
E-mail: agtrade@asiaonline.net

**China: Service to Northern China
and Shanghai**

**California Office of Trade
and Investment**
Suite 703, Central Plaza
227 Huang Pi North Road
Shanghai 200003, China
Phone (011-86-21) 6375-8866
Fax (011-86-21) 6375-8486
E-mail: shanghai@commerce.ca.gov

**Germany: Service to Germany, Italy,
Switzerland, Austria and Eastern Europe**

**California Office of Trade
and Investment**
Bockenheimer Landstrasse 97
60325 Frankfurt am Main, Germany
Phone (011-49-69) 743-2461
Fax (011-49-69) 745-0005
E-mail: frankfurt@commerce.ca.gov

Israel

**California Office of Trade
and Investment**
Post Office Box 45005
Jerusalem, 91450 Israel
Phone (011-972-2) 571-0199
Fax (011-972-2) 571-0713
E-mail: jerusalem@commerce.ca.gov

Japan

**California Office of Trade
and Investment**
Kowa 35 Building
1-14-14, Akasaka, Minato-ku
107-0052 Tokyo, Japan
Phone (011-81-3) 3583-3140
Fax (011-81-3) 3584-6613

Mami Schmitz, CDFA Trade Specialist
E-mail: calxport@gol.com

Korea

**California Office of Trade
and Investment**
Leema Building, Fourth Floor
146-1, Susong-Dong, Chongro-Ku
Seoul, 110-140, Korea
Phone (011-82-2) 733-2341
Fax (011-82-2) 733-2344

Sung Min Christopher Jun, CDFA Trade Specialist
E-mail: smjun@california.or.kr

**Mexico: Service to Mexico, Central America
and South America**

**California Office of Trade
and Investment**
Paseo de la Reforma No. 265 –
Piso 14
Col. Cuauhtemoc
06500 Mexico, D.F.
Phone (011-52-5) 533-1111
Fax (011-52-2) 533-5202

Roselynn Pucan-Meagor, CDFA Trade Specialist
E-mail: ag@californiaagency.com.mx

Singapore: Service to ASEAN

**California Office of Trade
and Investment**
200 Cantonment Road
02-05 Southpoint
Singapore 089763
Phone (011-65) 324-0363
Fax (011-65) 225-8330
E-mail: singapore@commerce.ca.gov

**South Africa: Service to
Sub-Saharan Africa**

**California Office of Trade
and Investment**
Post Office Box 449
Parklands 2121, Johannesburg
Republic of South Africa
Phone (011-27-11) 447-5391
Fax (011-27-11) 447-5393
E-mail: johannesburg@commerce.ca.gov

Taiwan

**California Office of Trade
and Investment**
7C04/05 Taipei World Trade Center
5 Hsin Yi Road, Section 5
Taipei 110 Taiwan
Phone (011-886-2) 2758-6223
Fax (011-886-2) 2723-9973
E-mail: taipei@commerce.ca.gov

**United Kingdom: Service to United Kingdom,
France, Spain, Belgium, Netherlands,
Scandinavia and Portugal**

**California Office of Trade
and Investment**
8 Saint James Place
London SW1A 1NP, United Kingdom
Phone (011-44-20) 7495-3141
Fax (011-44-20) 7495-0818
E-mail: london@commerce.ca.gov

U.S. Bureau of Reclamation

2800 Cottage Way
Sacramento, CA 95825
(916) 978-5100; Fax (916) 978-5599
www.mp.usbr.gov

USDA – California Offices

Agricultural Market Service

2202 Monterey Street, Suite 102-B
Fresno, CA 93721
(559) 487-5901; Fax (559) 487-5906
www.ams.usda.gov

Agricultural Research Service

800 Buchanan Street
Albany, CA 94710
(510) 559-6060; Fax (510) 559-5779
www.pwa.ars.usda.gov/rllist.html

Animal and Plant Health Inspection Services

**Veterinary Services
Western Region Office – California Area**
9580 Micron Avenue, Suite E
Sacramento, CA 95827
(916) 857-6170; Fax (916) 857-6196
www.aphis.usda.gov





Farm Service Agency

430 G Street, Suite 4161
Davis, CA 95616-4161
(530) 792-5520; Fax (530) 792-5555
www.fsa.usda.gov/ca/ca.htm

Food and Nutrition Services

550 Kearny Street, Room 400
San Francisco, CA 94108-2518
(415) 705-1310; Fax (415) 705-1364
www.fns.usda.gov/fns

Food Safety Inspection Services

620 Central Avenue, Building 2C, Room 108
Alameda, CA 94501
(510) 337-5074; Fax (510) 337-5081
www.fsis.usda.gov

Forest Service

1323 Club Drive
Vallejo, CA 94592
(707) 562-9000; Fax (707) 762-9091
www.r5.fs.fed.us

Grain Inspection, Packers and Stockyards Administration

1220 N Street, Room A-471
Sacramento, CA 95814
(916) 654-0743; Fax (916) 653-2409
www.usda.gov/gipsa

National Resources Conservation Service

430 G Street, Suite 4164
Davis, CA 95616-4164
(530) 792-5600; Fax (530) 792-5790
www.ca.nrcs.usda.gov

Risk Management Agency

430 G Street, Suite 4168
Davis, CA, 95616-4168
(530) 792-5850; Fax (530) 792-5893
www.rma.usda.gov/aboutrma/fields/ca_rso/index.html

Rural Development

430 G Street, Suite 4169
Davis, CA 95616-4169
(530) 792-5800; Fax (530) 792-5837
www.rurdev.usda.gov/ca/index.html

USDA – National Offices

1400 Independence Avenue
Washington, D.C. 20250
(202) 720-7454; Fax (202) 720-5043
www.usda.gov

FARM & FOREIGN AGRICULTURAL SERVICES

Farm Service Agency

Public Affairs
(202) 720-5237; Fax (202) 690-2828
www.fsa.usda.gov

Foreign Agricultural Service

Information Division
(202) 720-7115; Fax (202) 720-1727
www.fas.usda.gov

Risk Management Agency

General Information
(202) 690-2539; Fax (202) 690-5889
www.rma.usda.gov

FOOD, NUTRITION AND CONSUMER SERVICES

Center for Nutrition Policy and Promotion

Public Information
(202) 418-2312; Fax (202) 208-2321
www.usda.gov/cnpp

Food and Nutrition Services

Governmental Affairs
(703) 305-2286; Fax (703) 305-1117
www.fns.usda.gov/fns

FOOD SAFETY SERVICES

Food Safety Inspection Service

Press Officer
(202) 720-9113; Fax (202) 720-5704
www.fsis.usda.gov/i

MARKETING & REGULATORY PROGRAM

Agricultural Marketing Service

Public Affairs
(202) 720-8998; Fax (202) 720-7135
www.ams.usda.gov

Animal and Plant Health Inspection Service

Legislative and Public Affairs
(202) 720-2511; Fax (202) 720-3982
www.aphis.usda.gov

Grain Inspection, Packers and Stockyards Administration

Public Affairs
(202) 720-5091; Fax (202) 205-9237
www.usda.gov/gipsa

NATURAL RESOURCES AND ENVIRONMENT

Forest Service

Media Office
(202) 205-1342; Fax (202) 205-0885
www.fs.fed.us

Natural Resources Conservation Service

Conservation Communications
(202) 720-3210; Fax (202) 720-1564
www.nrcs.usda.gov

RESEARCH, EDUCATION AND ECONOMICS PROGRAMS

Agricultural Research Service

Information Staff
(301) 504-1638; Fax (301) 504-1648
www.ars.usda.gov

Cooperative State Research, Education & Extension Service

Communication and Information Access
(202) 720-2677; Fax (202) 690-0289
www.reeusda.gov

Economic Research Service

Information Center
(202) 694-5050; Fax (202) 694-5734
www.ers.usda.gov

National Agricultural Library

Public Affairs
(301) 504-6778; Fax (301) 504-7042
www.nalusda.gov

National Agricultural Statistics Service Information Hotline

(800) 727-9540; Fax (202) 690-2090
www.usda.gov/nass

RURAL DEVELOPMENT

Office of Community Development

Education Liaison
(202) 619-7980; Fax (202) 401-7420
www.rurdev.usda.gov/ocd

Rural Business-Cooperative Service

Cooperative Services Program
(202) 720-6483; Fax (202) 720-4641
www.rurdev.usda.gov/rbs

Rural Housing Service

Legislative and Public Affairs
(202) 690-1727; Fax (202) 690-1696
www.rurdev.usda.gov/rhs

Rural Utilities Service

Legislative and Public Affairs
(202) 720-1255; Fax (202) 205-9219
www.rurdev.usda.gov/rus

University Agricultural Programs

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E-mail: cenapa@ucdavis.edu

Nevada County

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Orange County

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Watsonville, CA 95076-2796
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Siskiyou County

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E-mail: cesiskiyou@ucdavis.edu

Solano County

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Fairfield, CA 94533-4498
(707) 421-6790; Fax (707) 429-5532
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Sonoma County

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Stanislaus County

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Sutter-Yuba Counties

142-A Garden Highway
Yuba City, CA 95991-5593
(530) 822-7515; Fax (530) 673-5368
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Red Bluff, CA 96080
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E-mail: cetehama@ucdavis.edu

Trinity County

Post Office Box 490
Trinity County Fairgrounds, Highway 3
Hayfork, CA 96041
(530) 628-5495; Fax (530) 628-4171
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Tulare County

2500 West Burrell Avenue
Visalia, CA 93291-4584
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Tuolumne County

2 South Green Street
Sonora, CA 95370
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Ventura County

669 County Square Drive, Suite 100
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(805) 645-1451; Fax (805) 645-1474
E-mail: ceventura@ucdavis.edu

Yolo County

70 Cottonwood Street
Woodland, CA 95695
(530) 666-8143; Fax (530) 666-8736
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California State University

California State University, Chico

College of Agriculture
Chico, CA 95929-0310
(530) 898-5844; Fax (530) 898-5845
www.csuchico.edu/agr

California State University, Fresno

California Agricultural
Technology Institute
2910 East Barstow Avenue, M/S 115
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(559) 278-2361; Fax (559) 278-4849
cati.csufresno.edu

**School of Agricultural Sciences
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2415 East San Ramon Avenue, M/S 79
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(559) 278-2061; Fax (559) 278-4496
www.csufresno.edu/CAST/default.htm

**California Polytechnic State University,
Pomona**

College of Agriculture
3801 West Temple Avenue
Pomona, CA 91768
(909) 869-2200; Fax (909) 869-4454
www.csupomona.edu/~agri

**California Polytechnic State University,
San Luis Obispo**

College of Agriculture
San Luis Obispo, CA 93407
(805) 756-2161; Fax (805) 756-6577
www.calpoly.edu/~cagr

University of California

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DANR Central Coast and South Region

University of California, Riverside
Riverside, CA 92521
(909) 787-3321; Fax (909) 787-4675
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DANR Central Valley Region

Kearney Agricultural Center
9240 South Riverbend Avenue
Parlier, CA 93648-9757
(559) 646-6511; Fax (559) 646-6513
www.uckac.edu/danrcvr

DANR North Coast and Mountain Region

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Davis, CA 95616-8575
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UC Campus

Agricultural Colleges

University of California, Berkeley

College of Natural Resources
Berkeley, CA 94720
(510) 642-7171; Fax (510) 642-4612
www.cnr.berkeley.edu

University of California, Davis

College of Agricultural and
Environmental Sciences
One Shields Avenue, 150 Mrak
Davis, CA 95616-8571
(530) 752-1605; Fax (530) 752-9049
www.aes.ucdavis.edu

School of Veterinary Medicine

One Shields Avenue
Davis, CA 95616-8734
(530) 752-1360; Fax (530) 752-2801
www.vetmed.ucdavis.edu

University of California, Riverside

College of Natural and
Agricultural Sciences
Riverside, CA 92521
(909) 787-3101; Fax (909) 787-4190
www.cnas.ucr.edu

University of California, Santa Cruz

Center for Agro-Ecology and
Sustainable Food Systems
Santa Cruz, CA 95064
(831) 459-4140; Fax (831) 459-2799
zzyx.ucsc.edu/casfs/index.html

UC Research and

Extension Centers

**Bay Area Research and
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Santa Clara, CA 95050
(408) 296-1672; Fax (408) 296-5729
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Desert Research and Extension Center

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El Centro, CA 92243
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uccesouth.ucr.edu/DREC.html

Hopland Research and Extension Center

4070 University Road
Hopland, CA 95449
(707) 744-1424; Fax (707) 744-1040
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Intermountain Research and Extension Center

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Tulelake, CA 96134
(530) 667-2719; Fax (530) 667-5265
E-mail: hlcarlson@ucd.edu

Lindcove Research and Extension Center

22963 Carson Avenue
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Sierra Foothill Research and Extension Center

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South Coast Research and Extension Center

7601 Irvine Boulevard
Irvine, CA 92618
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Veterinary Medicine Teaching and Research Center

University of California, Davis
18830 Road 112
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www.vetmed.ucdavis.edu/vetext/home.html

West Side Research and Extension Center

Post Office Box 158
17353 West Oakland Avenue
Five Points, CA 93624
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Statewide and Campus Programs

UC BERKELEY

Biotechnology Research and Education Program

2150 Kittredge Street, Suite 4-C1
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Center for Forestry and Integrated Hardwood Range Management Program

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Forest Products Laboratory

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UC DAVIS

Agricultural Issues Center

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aic.ucdavis.edu

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Center for Aquatic Biology and Aquaculture

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Center for Consumer Research

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Genetic Resources Conservation Program

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Mosquito Research Program

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Davis, CA 95616-8584
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entomology.ucdavis.edu/mosquitonet/ucmrp.html

Small Farm Center

One Shields Avenue
Davis, CA 95616-8699
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www.sfc.ucdavis.edu

Statewide Integrated Pest Management Project

One Shields Avenue
Davis, CA 95616-8621
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www.ipm.ucdavis.edu

Sustainable Agriculture Research and Education Program

One Shields Avenue
Davis, CA 95616
(530) 752-7556; Fax (530) 754-8550
www.sarep.ucdavis.edu

Vegetable Research and Information Center

One Shields Avenue
Davis, CA 95616
(530) 752-1748; Fax (530) 752-9659
vric.ucdavis.edu

Weed Research and Information Center

One Shields Avenue
Davis, CA 95616
(530) 752-7091; Fax (530) 752-4604
wric.ucdavis.edu

Wildland Resource Center

One Shields Avenue
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www.cwwr.ucdavis.edu

Wildlife, Fish and Conservation Biology Sea Grant Extension Program

One Shields Avenue
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www.seafood.ucdavis.edu/organize/sgep.htm

4-H Youth Development Program

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UC RIVERSIDE

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AG Alert

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Agribusiness Fieldman

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Agribusiness Fresh Fruit and Raisin News

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Almond Facts

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American Small Farm Magazine

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