

CALIFORNIA AGRICULTURAL EXPORTS 2022-2023



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE



California Agricultural Exports

In 2022, California's agricultural exports totaled \$23.6 billion in value, representing an increase of 4.4 percent compared to the previous year. As shown in the table below, California's agricultural exports have trended upward over the past 10 years with total export value increasing by 9.6 percent since 2013.

California's top valued agricultural export commodity continues to be almonds, with \$4.7 billion in foreign sales in 2022. This figure represents an increase of 0.2 percent from the previous year. Dairy and dairy products ranked second in export value for the year at \$3.2 billion, a 35.8 percent increase from 2021. Pistachios and wine came in third and fourth, respectively, with pistachio exports valued at \$2.2 billion and wine exports valued at \$1.3 billion in 2022.

The principal 57 export commodities totaled \$20.0 billion in export value in 2022 and accounted for 84.8 percent of the total value of California's agricultural exports. Of the top 57 commodities exported, 16 showed an increase in export value of 5 percent or more, compared to the previous year, while 19 commodities experienced a decrease in export value of 5 percent or more.

California's share of total U.S. agricultural exports for 2022 was 12.8 percent, down from 13.6 percent in 2021. California's top 10 export destinations for 2022 – Canada, the European Union, China and Hong Kong, Japan, Mexico, South Korea, India, the United Arab Emirates, the Philippines, and Taiwan – accounted for 65.4 percent of the total 2022 export value. Of the top 10 export destinations, the Philippines experienced the largest year-over-year growth in total export value at 43.4 percent, followed

by the United Arab Emirates at 20.0 percent and Mexico at 18.8 percent.

Methodology

Data to compute agricultural exports are derived from official government sources, published industry sources and unpublished information from the government and the industry. Export quantities and values of the whole U.S. and California port districts are from the Department of Commerce trade data posted on the United States International Trade Commission online database (<http://dataweb.usitc.gov/>). Canadian import (value) data are from Strategis Canada's online database (<https://ised-isde.canada.ca/site/trade-data-online/en>). If the California export price is not available for a particular product, the U.S. average export price for that commodity is used in order to provide a dollar value for exports.

Production quantities and values are from various National Agricultural Statistics Service, Economic Research Service (ERS), and Agricultural Marketing Service publications. A share of the raw data provided in these United States Department of Agriculture (USDA) service publications are released as a preliminary report early in the calendar year followed by a more accurate final report released at a later date. For accuracy, The University of California Davis, California Agricultural Issues Laboratory (CAIL) export estimates use data from final USDA reports.

CAIL exports estimates use different methods from other sources, such as ERS. The ERS estimates are based on a state's national share of production of the exported commodity. The ERS method assumes that, for any particular commodity, a state's share of U.S. production

equals that state's share of U.S. exports. Other sources use geographic port data, without direct links to where the product originated. The CAIL export figures correspond to commodities that have been produced on farms and ranches within California. Products originated in another state and exported via California ports are not included in these statistics.

In most cases, CAIL reports exports at the individual commodity level. For instance, exports of a given fruit in fresh, canned, and dried forms are summed and listed under the name of the fruit, although the method for fresh fruit exports may differ from the method used for canned and dried fruit. The ratio of quantity exported to quantity produced is given on a farm weight basis. That means, for example, that wine is converted back into fresh grapes. Standard conversion factors published by the USDA are applied.

California Agricultural Export Values, 2013-2022	
Year	Export Value \$1 Billion
2022	\$23.61
2021	\$22.61
2020	\$20.79
2019	\$21.47
2018	\$20.70
2017	\$20.78
2016	\$19.98
2015	\$20.81
2014	\$21.55
2013	\$21.55



California Agricultural Products Export Values and Rankings, 2020-2022

2022 Rank	Product	2020	2021	2022	Change in Value 2021 to 2022 Percent ¹
		<i>\$1 Million</i>			
1	Almonds	4,658	4,647	4,656	0.2
2	Dairy and Products ^{2,3}	1,986	2,354	3,196	35.8
3	Pistachios	1,669	2,071	2,201	6.3
4	Wine	1,143	1,288	1,293	0.4
5	Walnuts	1,246	1,247	1,286	3.1
6	Tomatoes, Processed	618	659	682	3.5
7	Rice	831	774	671	-13.3
8	Table Grapes	731	668	658	-1.4
9	Beef and Products ⁴	409	572	619	8.3
10	Oranges and Products	597	624	579	-7.1
11	Strawberries	407	475	482	1.4
12	Cotton ²	289	387	392	1.3
13	Hay	346	382	383	0.3
14	Lettuce	291	304	352	15.6
15	Raisins	226	224	222	-0.7
16	Lemons	186	188	185	-1.5
17	Cauliflower	123	128	184	43.6
18	Prunes	122	159	169	6.0
19	Peaches and Nectarines	121	146	149	2.5
20	Raspberries and Blackberries ⁵	140	162	146	-9.4
21	Flowers and Nursery	118	138	145	4.8
22	Onions	87	88	104	17.7
23	Cabbage ^{2,3}	79	100	100	-0.6
24	Spinach	97	103	97	-5.9
25	Carrots	90	91	90	-1.6
26	Cherries	103	147	88	-39.9
27	Dates ^{2,3}	87	116	82	-29.5
28	Celery	76	74	78	5.3
29	Melons	53	59	62	4.5
30	Tangerines and Mandarins	71	86	57	-33.5
31	Seeds for Sowing ^{2,3}	57	55	56	2.9
32	Pears	36	44	48	7.5
33	Plums	48	45	44	-3.5
34	Sweet Potatoes	49	49	44	-10.7
35	Tomatoes, Fresh	35	33	36	6.8

California Agricultural Products Export Values and Rankings, 2020-2022

2022 Rank	Product	2020	2021	2022	Change in Value 2021 to 2022
		\$1 Million			Percent ¹
36	Blueberries	42	39	36	-9.7
37	Kiwi	26	28	34	20.6
38	Garlic	27	28	31	12.8
39	Chickens	21	26	29	11.9
40	Wheat	11	14	29	101.1
41	Grapefruit	35	32	25	-21.0
42	Grape Juice	22	23	24	2.8
43	Bell and Chili Peppers	28	24	24	-2.9
44	Broccoli	86	93	21	-77.7
45	Potatoes	17	14	14	2.0
46	Olives and Olive Oil	23	26	13	-48.6
47	Turkey	13	15	13	-12.9
48	Apricots	11	17	13	-23.5
49	Apples	12	12	12	3.5
50	Avocados	40	27	11	-58.4
51	Asparagus	11	15	10	-32.5
52	Cottonseed and Byproducts	8	5	9	77.2
53	Figs	10	10	9	-11.2
54	Dry Beans	13	7	7	-3.8
55	Eggs	12	35	6	-82.8
56	Mushrooms ^{2,3}	4	4	6	32.5
57	Artichokes	5	4	3	-8.7
	Total Principal Commodities⁶	17,703	19,184	20,012	4.3
	Total Other Products and Mixtures^{7,8}	3,086	3,428	3,595	4.9
	Total All Agricultural Exports⁹	20,789	22,612	23,607	4.4

¹ Total export values for each year are rounded to the nearest million dollars. More precise values are used in the percent change calculations.

² Export values for 2021 were revised based on updated production data from the U.S. Department of Agriculture/National Agricultural Statistics Service.

³ Export values for 2020 were revised based on updated production data from the U.S. Department of Agriculture/National Agricultural Statistics Service.

⁴ Hides and skins are included in the heading "Beef and Products".

⁵ "Raspberries and Blackberries" category also includes exports of mulberries and loganberries.

⁶ "Total Principal Commodity" values for 2020 and 2021 were revised based on updates to USDA NASS production data.

⁷ "Total Other Products and Mixtures" is composed of (a) highly processed products that are difficult to attribute to a specific commodity such as mixtures of fruits, nuts and vegetables and other processed foods; (b) categories for which the listed item does not provide data on individual commodities and (c) animal and plant products marketed in such small quantities that they are not included in the top 57 leading commodities.

⁸ "Total Other Products and Mixtures" values for 2020 and 2021 were revised based on updates to USDA NASS production data.

⁹ "Total All Agricultural Exports" values for 2020 and 2021 were revised based on updates to USDA NASS production data.

Source: University of California, Department of Agricultural and Resource Economics

California Share of U.S. Agricultural Exports by Category and Commodity, 2021 and 2022

Commodity	2021		2022		Change in California Share of U.S. Exports 2021 to 2022
	Total U.S. Export Value	California Share of U.S. Exports	Total U.S. Export Value	California Share of U.S. Exports	
	<i>\$1 Million</i>	<i>Percent</i>	<i>\$1 Million</i>	<i>Percent</i>	<i>Percent Change</i>
Animal Products	24,785	12.1	28,361	13.6	12.5
Dairy and Products	7,688	30.6	9,655	33.1	8.1
Beef and Products ¹	11,604	4.9	12,491	5.0	0.6
Turkey	548	2.7	431	3.0	10.7
Eggs	521	6.8	556	1.1	-83.9
Chicken	4,424	0.6	5,228	0.6	-5.3
Field Crops	18,609	20.5	23,107	15.3	-25.4
Cotton	5,684	6.8	9,015	4.4	-36.1
Cottonseed and Byproducts	139	3.6	178	4.9	38.8
Dry Beans	163	4.5	133	5.3	18.2
Hay	1,756	21.7	1,999	19.2	-11.8
Potatoes	276	5.0	303	4.6	-7.1
Rice	1,951	39.7	1,728	38.8	-2.2
Seeds for Sowing	567	9.7	576	9.8	1.3
Sweet Potatoes	187	26.1	164	26.6	1.9
Tomatoes, Processed	659	100.0	682	100.0	0.0
Wheat	7,227	0.2	8,330	0.3	74.5
Fruits	7,250	64.0	6,908	64.3	0.4
Apples	969	1.2	946	1.3	6.1
Apricots	19	86.5	15	83.8	-3.1
Avocados	31	84.7	16	69.1	-18.4
Blueberries	318	12.4	312	11.4	-8.3
Cherries	505	29.1	381	23.2	-20.3
Dates	162	71.2	131	62.2	-12.7
Prunes	159	100.0	169	100.0	0.0
Figs	10	100.0	9	100.0	0.0
Grape Juice	74	31.0	77	30.8	-0.6
Grapefruit	78	41.4	58	44.2	6.5
Kiwi	28	100.0	34	100.0	0.0
Lemons	207	90.7	208	88.9	-1.9
Melons	162	36.8	160	38.9	5.6
Olives and Olive Oil ²	26	100.0	13	100.0	0.0
Oranges and Products	918	68.0	839	69.1	1.6
Peaches and Nectarines	202	72.2	196	76.1	5.3
Pears	189	23.4	189	25.2	7.8
Plums	46	98.5	44	98.8	0.3
Raisins	224	100.0	222	100.0	0.0
Raspberries and Blackberries ³	203	79.4	193	75.7	-4.7
Strawberries	528	89.9	540	89.2	-0.7
Table Grapes	668	100.0	658	100.0	0.0
Tangerines and Mandarins	91	95.0	62	93.3	-1.8
Wine	1,433	89.8	1,436	90.0	0.2

California Share of U.S. Agricultural Exports by Category and Commodity, 2021 and 2022

Commodity	2021		2022		Change in California Share of U.S. Exports 2021 to 2022
	Total U.S. Export Value	California Share of U.S. Exports	Total U.S. Export Value	California Share of U.S. Exports	
	\$1 Million	Percent	\$1 Million	Percent	
Tree Nuts	7,965	100.0	8,142	100.0	0.0
Almonds	4,647	100.0	4,656	100.0	0.0
Walnuts	1,247	100.0	1,286	100.0	0.0
Pistachios	2,071	100.0	2,201	100.0	0.0
Vegetables	2,064	52.6	2,206	51.5	-2.1
Artichokes	4	100.0	3	100.0	0.0
Asparagus	75	20.1	62	16.2	-19.3
Bell and Chili Peppers	78	31.2	86	27.3	-12.5
Broccoli	107	87.4	24	85.1	-2.6
Cabbage	381	26.3	383	26.0	-1.2
Carrots	108	84.6	109	82.1	-3.0
Cauliflower	155	82.7	218	84.7	2.5
Celery	81	91.4	86	90.4	-1.1
Garlic	28	100.0	31	100.0	0.0
Lettuce	458	66.5	543	64.8	-2.5
Mushrooms	29	14.5	41	13.7	-5.6
Onions	305	29.0	355	29.3	1.1
Spinach	141	72.9	136	71.1	-2.5
Tomatoes, Fresh	116	28.9	127	28.1	-2.9
Flowers and Nursery	498	27.7	513	28.2	1.7
Total California Principal Commodities	61,171	31.4	69,239	28.9	-8.0
Total Other Products and Mixtures⁴	105,509	3.2	115,320	3.1	-4.6
Total U.S. Agricultural Exports⁵	166,681	13.6	184,559	12.8	-5.9

¹ Hides and skins are included in the heading "Beef and Products".

² Product category "Olives and Olive Oil" is equal to the product category "Olives and Products" found in previous years' data tables.

³ "Raspberries and Blackberries" category also includes exports of mulberries and loganberries.

⁴ Total other products and mixtures is equal to total U.S. agricultural exports minus total California principal commodity exports.

⁵ Total U.S. agricultural export values come from USDA. USDA defines agriculture to include: live animals, meat, and products of livestock, poultry, and Dairy and products; hides and skins (but not leather products); animal fats and greases; food and feed grains and grain products; oilseeds and oilseed products; fruits, nuts, and vegetables and products of these; juices, wine, and maltbeverages (not distilled spirits); essential oils; planting seeds; raw cotton, wool, and other fibers (not manufactured products of these); unmanufactured tobacco (not manufactured tobacco products); sugar and sugar products; coffee, cocoa, tea, and products of these; rubber and allied products; and stock for nurseries and greenhouses, spices, and crude or natural drugs. Fish, shellfish, and forestry products are not included in "agriculture."

Source: University of California, Department of Agricultural and Resource Economics

Major Destinations for California Agricultural Exports, 2021 and 2022 ^{1, 2}

Commodities ¹ and Destinations	Percent of Total by Destination		Commodities ¹ and Destinations	Percent of Total by Destination		Commodities ¹ and Destinations	Percent of Total by Destination	
Almonds (1)	2021	2022	Table Grapes (8)	2021	2022	Lemons (16)	2021	2022
European Union ³	31	32	Canada	33	33	Canada	26	39
India	18	19	Mexico	19	23	Japan	24	30
United Arab Emirates	6	7	Taiwan	6	6	South Korea	14	18
China/Hong Kong	8	6	Australia	5	5	Other Destinations	36	12
Japan	6	5	Vietnam	<5	5			
Canada	5	5	Japan	6	<5	Cauliflower (17)	2021	2022
South Korea	5	<5	South Korea	6	<5	Canada	88	91
Other Destinations	22	23	Other Destinations	20	21	Other Destinations	12	9
Dairy and Products (2)	2021	2022	Beef and Products (9)⁴	2021	2022	Prunes (18)	2021	2022
Mexico	15	16	China/Hong Kong	22	25	European Union ³	25	28
Philippines	11	14	South Korea	21	24	Japan	23	17
China/Hong Kong	10	9	Japan	20	20	Mexico	11	11
South Korea	7	8	Mexico	10	10	China/Hong Kong	8	10
Japan	8	7	Canada	8	8	Canada	9	9
Canada	7	7	Taiwan	6	7	Other Destinations	24	25
Indonesia	5	5	Other Destinations	12	6			
Other Destinations	36	35				Peaches and Nectarines (19)	2021	2022
Pistachios (3)	2021	2022	Oranges and Products (10)	2021	2022	Canada	56	61
European Union ³	33	33	Canada	21	23	Mexico	27	24
China/Hong Kong	37	29	South Korea	30	22	Taiwan	9	7
Turkey	<5	7	China/Hong Kong	16	12	Other Destinations	9	8
Canada	6	6	Japan	13	11			
Vietnam	3	5	Other Destinations	20	33	Raspberries and Blackberries (20)⁵	2021	2022
Other Destinations	19	21	Strawberries (11)	2021	2022	Canada	77	83
Wine (4)	2021	2022	Canada	69	68	Japan	7	5
Canada	35	34	Mexico	10	12	Other Destinations	16	12
European Union ³	13	14	Japan	6	6	Flowers and Nursery (21)	2021	2022
United Kingdom	15	12	Saudi Arabia	5	5	Canada	57	55
Japan	6	8	Other Destinations	9	10	Mexico	18	22
China/Hong Kong	8	6	Cotton (12)	2021	2022	European Union ³	10	11
South Korea	5	6	India	34	36	Other Destinations	14	11
Other Destinations	18	20	China/Hong Kong	19	26	Onions (22)	2021	2022
Walnuts (5)	2021	2022	Peru	10	8	Canada	54	57
European Union ³	38	37	Vietnam	8	7	Mexico	15	18
United Arab Emirates	6	8	Turkey	5	<5	Japan	8	6
Japan	11	8	Other Destinations	23	19	Other Destinations	23	19
Turkey	8	7	Hay (13)	2021	2022	Cabbage (23)	2021	2022
Mexico	<5	7	China/Hong Kong	37	40	Canada	94	90
South Korea	8	7	Japan	34	29	Mexico	4	8
Canada	6	5	South Korea	16	16	Other Destinations	2	2
Other Destinations	20	19	Saudi Arabia	<5	7			
Tomatoes, Processed (6)	2021	2022	Other Destinations	10	8	Spinach (24)	2021	2022
Canada	36	39	Lettuce (14)	2021	2022	Canada	82	79
Mexico	16	20	Canada	87	90	Mexico	18	20
Japan	8	7	Mexico	5	<5	Other Destinations	0	1
Other Destinations	39	34	Other Destinations	8	6	Carrots (25)	2021	2022
Rice (7)	2021	2022	Raisins (15)	2021	2022	Canada	89	90
Japan	38	38	Japan	27	28	Mexico	8	7
South Korea	17	15	Canada	13	14	Other Destinations	3	3
Mexico	<5	5	European Union ³	12	11	Cherries (26)	2021	2022
Other Destinations	41	41	China/Hong Kong	5	5	Canada	35	37
			Philippines	<5	5	South Korea	21	15
			Taiwan	5	5	China/Hong Kong	13	12
			Mexico	5	<5	Taiwan	9	11
			Other Destinations	29	27	Japan	8	6
						Other Destinations	14	18

Major Destinations for California Agricultural Exports, 2021 and 2022^{1,2}

Commodities ¹ and Destinations	Percent of Total by Destination		Commodities ¹ and Destinations	Percent of Total by Destination		Commodities ¹ and Destinations	Percent of Total by Destination	
Dates (27)	2021	2022	Kiwi (37)	2021	2022	Apricots (48)	2021	2022
Canada	23	30	Australia	16	41	Canada	46	48
Mexico	41	22	Japan	36	21	Japan	8	11
Australia	16	20	Mexico	31	20	Mexico	12	10
United Kingdom	5	7	Canada	9	13	Taiwan	<5	8
Other Destinations	15	21	Other Destinations	8	5	Curacao	<5	7
						Vietnam	6	<5
						Other Destinations	21	13
Celery (28)	2021	2022	Garlic (38)	2021	2022	Avocados (50)	2021	2022
Canada	83	87	Canada	38	31	Canada	17	39
Other Destinations	17	13	Mexico	14	20	South Korea	28	26
			Japan	12	12	Taiwan	9	11
Melons (29)	2021	2022	European Union ³	5	6	Other Destinations	46	24
Canada	88	86	Australia	<5	5			
Mexico	5	5	Philippines	<5	5	Asparagus (51)	2021	2022
Other Destinations	7	10	Other Destinations	23	22	European Union ³	28	26
						United Kingdom	11	16
Tangerines and Mandarins (30)	2021	2022	Grapefruit (41)	2021	2022	Australia	14	15
Canada	59	63	Canada	25	31	Canada	13	14
Japan	16	11	Japan	21	22	Japan	16	13
Mexico	10	10	European Union ³	18	15	Switzerland	6	4
Australia	<5	5	South Korea	18	15	Other Destinations	12	12
Other Destinations	13	11	Other Destinations	17	18			
						Cottonseed and Byproducts (52)	2021	2022
Pears (32)	2021	2022	Grape Juice (42)	2021	2022	European Union ³	<5	26
Canada	74	79	Japan	26	36	South Korea	23	18
Mexico	18	15	Canada	42	33	Mexico	25	17
Other Destinations	8	7	South Korea	7	6	Saudi Arabia	16	12
			China/Hong Kong	5	<5	Japan	10	9
Plums (33)	2021	2022	Other Destinations	20	21	Canada	6	8
Canada	51	57				China/Hong Kong	10	5
China/Hong Kong	23	21	Bell and Chili Peppers (43)	2021	2022	Other Destinations	6	6
Mexico	14	10	Canada	94	92			
Taiwan	7	6	Other Destinations	6	8	Figs (53)	2021	2022
Other Destinations	4	6				Canada	53	57
			Broccoli (44)	2021	2022	Mexico	23	26
Sweet Potatoes (34)	2021	2022	Canada	84	60	China/Hong Kong	9	11
European Union ³	39	39	Mexico	7	18	Other Destinations	14	6
Canada	31	34	Japan	5	5			
United Kingdom	26	22	Barbados	<5	5	Dry Beans (54)	2021	2022
Other Destinations	4	5	Other Destinations	2	11	European Union ³	35	41
						Canada	15	21
Tomatoes, Fresh (35)	2021	2022	Potatoes (45)	2021	2022	Pakistan	15	5
Canada	93	94	Canada	40	31	Other Destinations	35	34
Other Destinations	7	6	Mexico	22	29			
			Japan	9	7	Artichokes (57)	2021	2022
Blueberries (36)	2021	2022	Taiwan	6	6	Canada	79	70
Canada	62	66	South Korea	<5	5	Mexico	16	16
South Korea	12	11	Other Destinations	19	22	Other Destinations	5	14
Japan	6	6						
European Union ³	8	5	Olives and Olive Oil (46)	2021	2022			
Other Destinations	13	12	Mexico	15	28			
			Canada	24	21			
			Japan	6	15			
			Philippines	<5	5			
			Other Destinations	52	31			

¹ This table shows destinations that receive shares of total exports greater than or equal to 5 percent of each commodity in either 2021 or 2022 for which reliable data are available. The commodities are listed by rank order, shown in parentheses, that corresponds to the 2022 ranking in the table: "California Agricultural Products Export Values and Rankings, 2020-2022".

² Accurate export destination data are only available for 50 of the top 57 commodities. The commodities for which export destinations are not included are "Apples", "Chickens", "Eggs", "Mushrooms", "Seeds for Sowing", "Turkey" and "Wheat".

³ European Union estimates for 2021 and 2022 do not include the United Kingdom.

⁴ Hides and skins are included in the heading "Beef and Products".

⁵ "Raspberries and Blackberries" category also includes exports of mulberries and loganberries.

Source: University of California, Department of Agricultural and Resource Economics

Major California Agricultural Exports to the Top 15 Destinations, 2021 and 2022

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹			Percent Change 2021 to 2022	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2021 to 2022
	2021	2022	2021			2022		
1- Canada	3,646.3	3,646.6	0.0		2- European Union (EU-27)²	3,044.1	3,071.6	0.9
Wine	444.9	438.5	-1.4		Almonds	1,446.1	1,483.4	2.6
Strawberries	328.9	322.8	-1.9		Pistachios	686.7	687.4	0.1
Lettuce	266.0	318.2	19.6		Walnuts	474.5	465.4	-1.9
Tomatoes, Processed	240.3	255.8	6.4		Wine	173.3	182.7	5.4
Almonds	243.8	227.4	-6.8		Prunes	39.9	47.2	18.2
Table Grapes	222.3	221.8	-0.2		Dairy and Products	28.2	40.7	44.3
Dairy and Products	186.6	215.6	15.5		Rice	30.7	28.0	-8.8
Cauliflower	112.9	168.6	49.2		Tomatoes, Processed	25.7	27.8	8.2
Oranges and Products	131.0	141.2	7.7		Raisins	27.0	24.7	-8.6
Raspberries and Blackberries ³	124.3	121.2	-2.6		Sweet Potatoes	18.0	17.2	-4.4
Pistachios	118.8	117.3	-1.3		Flowers and Nursery	14.3	16.5	15.6
Peaches and Nectarines	81.0	90.9	12.2		Beef and Products ⁴	8.4	12.8	52.7
Carrots	81.0	80.3	-0.8		Oranges and Products	3.6	7.3	103.1
Flowers and Nursery	78.5	79.7	1.5		Cotton	12.7	6.9	-46.0
Spinach	84.3	76.7	-9.0		Grapefruit	5.7	3.7	-34.1
Lemons	49.9	72.7	45.7		Dates	3.0	3.2	6.5
Celery	61.6	67.5	9.5		Dry Beans	2.6	2.9	11.4
Walnuts	76.7	66.9	-12.7		Asparagus	4.4	2.6	-41.5
Onions	48.3	59.1	22.5		Onions	2.4	2.4	2.1
Melons	52.5	53.3	1.4		Cottonseed and Byproducts	0.1	2.3	1,484.6
Beef and Products ⁴	47.9	47.1	-1.5		Blueberries	3.0	1.8	-39.0
Pears	32.7	37.5	14.9		Garlic	1.3	1.8	42.4
Tangerines and Mandarins	51.4	36.3	-29.3		Other Products	32.3	2.9	-91.0
Tomatoes, Fresh	31.0	33.5	8.1					
Cherries	50.0	33.0	-34.1					
Raisins	29.4	31.7	8.0					
Plums	23.4	25.0	6.9					
Dates	26.5	24.4	-7.9					
Blueberries	24.5	23.5	-4.2					
Cabbage	24.1	23.4	-2.8					
Bell and Chili Peppers	22.7	21.7	-4.3					
Prunes	14.4	15.6	8.9					
Sweet Potatoes	14.2	14.8	3.9					
Broccoli	78.8	12.6	-84.0					
Garlic	10.0	9.6	-4.6					
Rice	71.6	8.8	-87.7					
Grapefruit	8.1	7.9	-2.3					
Grape Juice	9.7	7.9	-18.8					
Apricots	7.6	6.1	-20.0					
Figs	5.2	5.0	-5.4					
Kiwi	2.6	4.5	73.6					
Potatoes	5.5	4.3	-21.8					
Avocados	4.5	4.3	-5.9					
Hay	4.0	3.8	-5.7					
Olives and Olive Oil	6.3	2.9	-54.8					
Artichokes	2.9	2.4	-18.9					
Other Products	3.5	3.6	3.4					

Major California Agricultural Exports to the Top 15 Destinations, 2021 and 2022

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹			Percent Change 2021 to 2022	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹			Percent Change 2021 to 2022
	2021	2022	2021			2022			
	2021	2022	2021			2022			
3- China/Hong Kong	2,048.9	1,800.9	-12.1		5- Mexico	1,274.2	1,513.5	18.8	
Pistachios	761.9	592.0	-22.3		Dairy and Products	395.5	528.6	33.7	
Dairy and Products	253.0	281.9	11.4		Table Grapes	124.1	151.0	21.7	
Almonds	360.3	268.7	-25.4		Tomatoes, Processed	106.1	130.4	22.9	
Hay	140.4	151.3	7.8		Almonds	96.4	92.2	-4.4	
Beef and Products ⁴	126.7	142.6	12.6		Walnuts	36.5	89.2	144.3	
Cotton	73.3	99.9	36.4		Pistachios	53.3	67.2	26.1	
Wine	102.8	82.7	-19.6		Strawberries	48.3	55.8	15.7	
Oranges and Products	102.7	77.8	-24.2		Beef and Products ⁴	58.4	54.3	-7.0	
Prunes	12.2	16.6	35.3		Rice	30.4	38.7	27.0	
Table Grapes	15.9	16.3	2.3		Peaches and Nectarines	39.6	36.4	-8.2	
Walnuts	12.9	12.7	-1.5		Flowers and Nursery	25.3	32.0	26.5	
Raisins	10.2	11.8	16.2		Wine	20.1	24.5	21.6	
Cherries	19.4	10.6	-45.6		Oranges and Products	20.2	24.3	20.5	
Plums	10.4	9.1	-12.2		Spinach	18.5	19.7	6.2	
Tomatoes, Processed	11.8	5.9	-49.7		Prunes	16.9	18.6	10.1	
Strawberries	4.2	4.3	3.5		Onions	13.5	18.4	36.1	
Lemons	9.1	3.7	-59.1		Dates	48.0	17.7	-63.0	
Rice	5.5	3.0	-46.2		Lettuce	13.9	12.2	-12.6	
Celery	1.9	1.6	-17.9		Raisins	10.7	9.8	-8.7	
Flowers and Nursery	2.1	1.5	-28.0		Lemons	5.0	8.1	60.6	
Other Products	12.2	6.8	-43.9		Pears	7.9	7.0	-11.5	
					Cauliflower	5.5	6.9	25.9	
4- Japan	1,697.9	1,630.8	-4.0		Kiwi	8.7	6.7	-23.6	
Rice	291.7	297.4	1.9		Garlic	3.8	6.3	65.3	
Almonds	256.1	245.9	-4.0		Carrots	7.5	6.2	-17.5	
Dairy and Products	194.2	229.4	18.2		Tangerines and Mandarins	8.4	5.6	-32.8	
Beef and Products ⁴	115.7	114.3	-1.2		Plums	6.3	4.5	-29.3	
Hay	127.9	110.8	-13.3		Potatoes	3.0	4.0	34.3	
Walnuts	132.4	99.8	-24.6		Broccoli	6.9	3.8	-44.5	
Wine	76.3	98.5	29.1		Olives and Olive Oil	3.9	3.8	-2.7	
Oranges and Products	82.2	66.0	-19.7		Raspberries and Blackberries ³	3.2	3.8	18.1	
Raisins	61.4	62.4	1.7		Cherries	5.9	3.7	-37.6	
Lemons	45.7	56.1	23.0		Celery	2.9	3.4	15.3	
Tomatoes, Processed	53.5	48.4	-9.5		Cotton	4.0	3.2	-19.7	
Pistachios	41.2	42.8	3.8		Melons	3.0	2.9	-3.6	
Prunes	37.4	29.3	-21.6		Figs	2.3	2.3	0.9	
Strawberries	30.6	28.2	-7.7		Cabbage	1.1	2.0	83.8	
Table Grapes	42.9	25.5	-40.6		Sweet Potatoes	1.5	1.6	6.9	
Grape Juice	6.0	8.4	39.7		Other Products	7.8	7.2	-8.0	
Raspberries and Blackberries ³	11.3	7.5	-33.7						
Kiwi	10.0	7.1	-28.4						
Onions	6.7	6.5	-4.1						
Tangerines and Mandarins	13.8	6.2	-55.3						
Cherries	12.2	5.7	-53.7						
Grapefruit	6.9	5.5	-19.6						
Cotton	4.2	5.5	29.5						
Garlic	3.3	3.7	11.4						
Other Products	34.4	19.8	-42.2						

Major California Agricultural Exports to the Top 15 Destinations, 2021 and 2022

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹			Percent Change 2021 to 2022	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹			Percent Change 2021 to 2022
	2021	2022				2021	2022		
6- South Korea	1,253.7	1,177.7	-6.1		9- Philippines	356.7	511.5	43.4	
Dairy and Products	192.1	254.7	32.6		Dairy and Products	293.0	444.7	51.8	
Almonds	210.8	147.6	-30.0		Wine	18.1	14.7	-18.9	
Beef and Products ⁴	122.0	138.2	13.3		Raisins	9.3	11.7	26.0	
Oranges and Products	186.3	135.9	-27.0		Beef and Products ⁴	3.3	7.7	131.2	
Rice	132.1	118.9	-10.0		Table Grapes	12.5	7.5	-39.6	
Walnuts	98.0	88.0	-10.2		Oranges and Products	3.9	3.9	2.0	
Wine	66.7	76.9	15.4		Tomatoes, Processed	2.9	3.3	11.5	
Hay	60.7	62.9	3.6		Walnuts	1.6	2.9	80.2	
Lemons	25.7	33.9	32.2		Almonds	3.7	2.8	-23.6	
Tomatoes, Processed	24.0	26.6	10.9		Pistachios	0.9	2.5	165.9	
Table Grapes	40.0	24.5	-38.8		Strawberries	1.0	1.9	90.6	
Cherries	29.6	13.5	-54.5		Other Products	6.6	8.0	20.9	
Pistachios	13.1	13.1	0.0						
Raisins	8.3	7.9	-5.4		10- Taiwan	411.2	381.0	-7.3	
Prunes	6.0	7.2	19.8		Dairy and Products	102.3	105.2	2.9	
Strawberries	4.5	4.4	-1.8		Beef and Products ⁴	33.5	37.5	11.8	
Blueberries	4.7	3.8	-19.0		Table Grapes	39.7	37.3	-6.1	
Grapefruit	5.9	3.7	-37.4		Rice	33.3	29.3	-11.8	
Avocados	7.6	2.9	-62.1		Almonds	37.2	26.4	-29.0	
Cotton	4.4	2.5	-44.0		Walnuts	25.6	22.9	-10.5	
Melons	1.5	2.1	45.1		Wine	16.2	15.5	-4.2	
Cottonseed and Byproducts	1.2	1.5	32.7		Hay	16.4	12.9	-21.2	
Other Products	8.6	7.0	-18.6		Oranges and Products	12.3	12.0	-2.4	
					Raisins	10.1	10.7	5.8	
7- India	1,031.4	1,163.4	12.8		Peaches and Nectarines	12.6	10.2	-19.3	
Almonds	831.2	884.1	6.4		Cherries	12.4	9.8	-21.0	
Cotton	132.7	138.2	4.1		Lettuce	13.3	9.7	-27.2	
Pistachios	30.9	89.8	190.3		Pistachios	6.8	8.5	25.2	
Walnuts	22.0	26.7	21.7		Tomatoes, Processed	7.7	7.6	-0.9	
Dairy and Products	5.8	16.0	176.2		Cotton	2.3	3.5	53.7	
Tomatoes, Processed	5.0	3.1	-38.7		Cauliflower	3.4	3.1	-7.5	
Oranges and Products	0.4	1.7	370.6		Celery	3.3	2.8	-13.8	
Other Products	3.4	3.8	10.2		Plums	3.3	2.8	-15.7	
					Lemons	3.7	1.8	-50.2	
8- United Arab Emirates	457.0	548.5	20.0		Other Products	15.8	11.2	-29.1	
Almonds	278.9	311.2	11.6						
Walnuts	80.7	106.0	31.3		11- Turkey	286.4	417.2	45.6	
Pistachios	20.1	66.2	228.8		Almonds	134.4	158.1	17.6	
Dairy and Products	16.6	24.3	46.2		Pistachios	30.7	145.8	375.1	
Strawberries	7.5	8.8	17.1		Walnuts	96.1	93.4	-2.8	
Tomatoes, Processed	18.2	7.1	-60.8		Cotton	21.0	16.7	-20.1	
Hay	9.7	6.5	-33.0		Other Products	4.2	3.2	-24.6	
Wine	6.4	4.9	-22.4						
Beef and Products ⁴	2.9	3.5	20.1						
Rice	4.5	2.2	-50.5						
Raspberries and Blackberries ³	4.4	2.0	-55.3						
Dates	1.0	1.8	85.1						
Other Products	5.9	3.9	-32.7						

Major California Agricultural Exports to the Top 15 Destinations, 2021 and 2022

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹			Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		
	2021	2022	Percent Change 2021 to 2022		2021	2022	Percent Change 2021 to 2022
12- Vietnam	348.7	336.0	-3.6	14- Saudi Arabia	178.4	243.5	36.5
Pistachios	71.6	95.6	33.6	Pistachios	43.6	70.9	62.6
Dairy and Products	105.3	82.2	-22.0	Almonds	41.5	64.4	55.3
Almonds	66.6	64.4	-3.3	Dairy and Products	14.9	37.0	149.1
Table Grapes	28.5	33.8	18.8	Hay	15.6	26.9	72.3
Cotton	31.8	26.1	-17.9	Strawberries	23.9	22.2	-7.1
Walnuts	22.6	8.0	-64.6	Walnuts	9.1	5.8	-35.9
Raisins	5.7	7.5	31.2	Tomatoes, Processed	3.5	4.6	31.1
Beef and Products ⁴	3.0	4.9	63.8	Raspberries and Blackberries ³	5.8	3.0	-48.6
Oranges and Products	5.0	4.3	-14.5	Rice	15.5	2.8	-82.1
Wine	2.2	4.3	97.1	Other Products	5.1	5.9	16.0
Cherries	3.5	2.8	-17.9				
Other Products	3.1	2.1	-30.4	15- Indonesia	188.4	224.7	19.3
				Dairy and Products	130.2	160.5	23.2
13- Australia	266.9	283.4	6.2	Table Grapes	13.2	15.5	17.4
Dairy and Products	78.8	96.3	22.1	Almonds	12.5	14.3	14.8
Table Grapes	33.8	34.5	2.1	Cotton	6.2	9.5	53.3
Oranges and Products	19.8	21.2	7.2	Beef and Products ⁴	6.1	6.6	7.9
Walnuts	22.3	19.0	-14.5	Oranges and Products	3.7	4.8	29.9
Pistachios	18.6	16.6	-10.8	Raisins	2.5	3.0	17.8
Dates	18.8	16.5	-12.2	Dates	3.6	2.5	-30.9
Wine	7.9	15.6	96.1	Onions	3.1	1.7	-44.4
Kiwi	4.3	13.7	216.4	Wine	1.4	1.7	23.7
Almonds	11.2	12.6	11.8	Tomatoes, Processed	1.6	1.7	6.6
Tomatoes, Processed	10.4	9.8	-5.4	Other Products	4.3	3.0	-30.5
Rice	10.2	6.2	-39.0				
Prunes	3.6	3.0	-17.8				
Peaches and Nectarines	2.9	2.9	-1.3				
Tangerines and Mandarins	2.0	2.8	34.6				
Onions	1.1	1.7	57.6				
Garlic	1.0	1.7	64.0				
Cherries	3.1	1.5	-50.9				
Other Products	17.0	7.9	-53.5				

¹ This table provides the total export value and export values for individual commodities to the top 15 destinations. Only commodities with export values greater than \$2 million to the destination are reported. Country totals will include those commodities with export values less than \$2 million.

² EU-27 estimates for 2021 and 2022 do not include exports destined for the United Kingdom.

³ "Raspberries and Blackberries" category also includes exports of mulberries and loganberries.

⁴ Hides and skins are included in the heading "Beef and Products".

Source: University of California, Department of Agricultural and Resource Economics



Major California Agricultural Exports to the European Union (EU), 2021 and 2022

(Approximate Export Value, \$1 million)

2022

Rank	European Union (EU-27) Member ¹	Almonds	Wine	Pistachios	Walnuts	Other principal products ²	Total ³
1	Germany	263	20	224	253	28	789
2	Spain	486	2	91	77	17	674
3	Netherlands	279	17	47	67	94	504
4	Italy	174	4	52	44	37	310
5	Belgium	62	17	186	4	22	291
6	France	54	38	33	3	6	134
7	Denmark	20	41	0	5	4	70
8	Sweden	12	31	0	3	15	62
9	Poland	13	3	21	2	6	44
10	Lithuania	24	0	17	1	1	43
	Other EU Members ⁴	96	9	16	7	22	151
	Total³	1,483	183	687	465	253	3,072
	United Kingdom⁶	63	157	38	38	49	345

2021

Rank	European Union (EU-27) Member ¹	Almonds	Wine	Pistachios	Walnuts	Other principal products ²	Total ³
1	Germany	273	26	260	215	30	804
2	Spain	444	1	105	108	7	665
3	Netherlands	247	15	46	58	93	459
4	Italy	196	2	47	72	42	359
5	Belgium	52	21	143	6	17	238
6	France	61	37	28	1	8	135
7	Denmark	19	35	0	3	5	61
8	Sweden	13	24	0	2	14	53
9	Poland	16	3	17	1	9	46
10	Estonia	38	0	4	0	0	43
	Other EU Members ⁵	86	10	36	7	39	179
	Total³	1,446	173	687	475	263	3,044
	United Kingdom⁶	78	193	41	30	47	388

¹ The EU-27 members to which California exports are shipped reflect only the initial destination of the product, not the EU country of consumption. Many products are distributed throughout the EU after the initial entry.

² "Other Principal Products" are those that individually account for less than \$100 million in export value to the EU.

³ Accurate export destination data is only available for 50 of the top 57 commodities. The commodities for which export destinations are not included are "Apples", "Chickens", "Eggs", "Mushrooms", "Seeds for Sowing", "Turkey" and "Wheat". Totals may not equal due to rounding.

⁴ The other 17 EU members in 2022 include: Austria, Bulgaria, Cyprus, Croatia, Czech Republic, Estonia, Finland, Greece, Hungary, Ireland, Latvia, Luxembourg, Malta, Portugal, Romania, Slovak Republic, and Slovenia. These countries combined account for 5 percent of California agricultural exports to the EU in 2022.

⁵ The other 17 EU members in 2021 include: Austria, Bulgaria, Cyprus, Croatia, Czech Republic, Finland, Greece, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Malta, Portugal, Romania, Slovak Republic, and Slovenia. These countries combined account for 5 percent of California agricultural exports to the EU in 2021.

⁶ The United Kingdom officially separated from the European Union on January 31, 2020.

Source: University of California, Department of Agricultural and Resource Economics

Ratio of California Farm Quantity Exported to Farm Quantity Produced, 2021 and 2022

(Export Volumes in Farm Weight Basis)

Commodity	Farm-Gate Units	2021			2022		
		Quantity Exported ¹	Quantity Produced	Ratio of Quantity Exported to Quantity Produced	Quantity Exported ¹	Quantity Produced	Ratio of Quantity Exported to Quantity Produced
		1,000 Farm-Gate Units	1,000 Farm-Gate Units		1,000 Farm-Gate Units		
Almonds	cwt.	19,242	29,150	0.66	19,419	25,650	0.76
Apples ²	cwt.	538	2,117	0.25	577	1,761	0.33
Apricots	short tons	18	38	0.48	14	26	0.52
Artichokes	cwt.	42	833	0.05	37	743	0.05
Asparagus	cwt.	6	132	0.05	4	68	0.06
Avocados	short tons	9	135	0.06	3	138	0.02
Beef and Products ³	liveweight cwt.	2,111	22,766	0.09	2,124	23,069	0.09
Blueberries ²	cwt.	208	742	0.28	147	641	0.23
Broccoli ²	cwt.	1,377	12,273	0.11	311	10,589	0.03
Cabbage ²	cwt.	259	5,402	0.05	279	5,904	0.05
Carrots	cwt.	1,782	25,149	0.07	1,571	24,120	0.07
Cauliflower	cwt.	2,269	7,074	0.32	2,507	7,238	0.35
Celery ²	cwt.	2,036	15,275	0.13	1,693	12,420	0.14
Cherries	short tons	32	95	0.34	17	54	0.31
Cotton	bales	572	374	1.53	350	445	0.79
Cottonseed and Byproducts	short tons	20	128	0.16	30	153	0.20
Dairy and Products ^{2,4}	cwt.	14,414	418,640	0.03	15,030	417,870	0.04
Dates ²	cwt.	339	1,177	0.29	226	1,320	0.17
Prunes ²	short tons	132	220	0.60	126	226	0.56
Dry Beans ²	cwt.	176	407	0.43	155	308	0.50
Eggs	100-dozens	331	3,350	0.10	48	3,186	0.02
Figs	short tons	7	15	0.43	5	13	0.43
Garlic ²	cwt.	374	4,192	0.09	379	4,506	0.08
Grapefruit	short tons	65	164	0.40	49	160	0.30
Grapes, All ⁵	short tons	1,199	4,952	0.24	1,095	4,511	0.24
Hay	short tons	1,224	3,700	0.33	1,037	3,240	0.32
Kiwi	short tons	11	40	0.27	13	36	0.35
Lemons ²	76 lb. boxes	2,518	24,900	0.10	2,870	26,500	0.11
Lettuce	cwt.	4,493	55,099	0.08	4,101	52,721	0.08
Melons ²	cwt.	1,783	13,563	0.13	1,675	13,914	0.12
Olives and Olive Oil	short tons	32	101	0.32	17	70	0.24
Onions ²	cwt.	3,842	19,007	0.20	3,821	17,250	0.22
Oranges and Products ²	short tons	551	1,616	0.34	468	1,728	0.27
Peaches and Nectarines	cwt.	1,242	12,317	0.10	983	11,508	0.09
Pears	short tons	30	145	0.21	31	160	0.19
Peppers, Bell and Chili	cwt.	323	4,476	0.07	267	4,205	0.06
Pistachios	cwt., in shell	5,908	11,550	0.51	6,833	8,820	0.77
Plums	short tons	23	81	0.28	16	75	0.22
Potatoes	cwt.	714	11,049	0.06	799	7,728	0.10
Raspberries and Blackberries ^{2,6}	cwt.	460	1,305	0.35	419	1,148	0.36
Rice	cwt.	19,038	36,653	0.52	12,920	22,251	0.58
Spinach	cwt.	792	5,174	0.15	763	5,903	0.13
Strawberries	cwt.	2,625	24,150	0.11	2,743	24,780	0.11
Sweet Potatoes ²	cwt.	1,553	6,105	0.25	1,464	6,052	0.24
Tangerines and Mandarins	short tons	57	696	0.08	32	948	0.03
Tomatoes, Fresh	cwt.	444	6,720	0.07	468	5,867	0.08
Tomatoes, Processed	short tons	2,927	10,775	0.27	2,841	10,496	0.27
Turkey	liveweight cwt.	88	1,914	0.05	117	1,965	0.06
Walnuts	short tons	433	725	0.60	449	752	0.60
Wheat	bushels	1,484	9,580	0.15	2,190	8,960	0.24
Weighted Average⁷				0.32			0.28

¹ Export quantities of processed goods were converted to farm fresh quantities using conversion factors published by USDA ERS (<https://www.ers.usda.gov/publications/pub-details/?pubid=41881>) or annual conversion factors published by USDA NASS in annual crop summaries.

² Quantities for 2021 were revised based on updated production data from the U.S. Department of Agriculture/National Agricultural Statistics Service.

³ Hides and skins are included in the heading "Beef and Products".

⁴ Farm quantity exported for "Dairy and Products" is calculated by converting cheese, condensed milk, fluid milk, ice cream, nonfat dry milk, and whole dry milk to their fluid milk equivalents.

⁵ "Grapes, All" includes grape juice, raisins, table grapes, and wine.

⁶ "Raspberries and Blackberries" category also includes exports of mulberries and loganberries.

⁷ The weighted average is based on each of the 53 commodity's share of production value. Values for "Chickens", "Flowers and Nursery Products", "Mushrooms" and "Seeds for Sowing" are not included because reliable data on export quantity is not available.

Source: University of California, Department of Agricultural and Resource Economics