

2023 - 2024

CALIFORNIA AGRICULTURAL EXPORTS



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE



California Agricultural Exports

In 2023, California's agricultural exports totaled \$22.4 billion in value, representing a decrease of 5.9 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 4.0 percent since 2014.

California's top valued agricultural export commodity continues to be almonds, with \$4.4 billion in foreign sales in 2023. This figure represents a decline of 6.3 percent from the previous year. Pistachios ranked second in export value for the year at \$2.7 billion, a 23.7 percent increase from 2022. Dairy and dairy products and wine came in third and fourth, respectively, with dairy and dairy product exports valued at \$2.6 billion and wine exports valued at \$1.1 billion in 2023.

The principal 57 export commodities totaled \$18.9 billion in export value in 2023 and accounted for 84.5 percent of the total value of California's agricultural exports. Of the top 57 commodities exported, 17 showed an increase in export value of 5 percent or more, compared to the previous year, while 27 commodities experienced a decrease in export value of 5 percent or more.

California's share of total U.S. agricultural exports for 2023 was 12.8 percent, up from 12.2 percent in 2022. California's top 10 export destinations for 2023 – Canada, the European Union, China and Hong Kong, Mexico, Japan, India, South Korea, Turkey, the United Arab Emirates, and Vietnam – accounted for 66.7 percent of the state's total 2023 export value. Of the top 10 export destinations, Turkey experienced the largest year-over-year growth in total export value at 23.4 percent, followed

by the United Arab Emirates at 20.0 percent and Mexico at 17.7 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Data to compute agricultural exports are derived from official government sources, published industry sources and unpublished information from the government and the industry.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 export 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, 2014-2023

Year	Export Value
	\$1 Billion
2023	\$22.41
2022	\$23.82
2021	\$22.74
2020	\$21.08
2019	\$21.47
2018	\$20.70
2017	\$20.78
2016	\$19.98
2015	\$20.81
2014	\$21.55



California Agricultural Products Export Values and Rankings, 2021-2023

2023 Rank	Product	2021	2022	2023	Change in Value 2022 to 2023
		\$1 Million			Percent ¹
1	Almonds	4,647	4,656	4,363	-6.3
2	Pistachios ^{2,3}	2,068	2,209	2,732	23.7
3	Dairy and Products	2,354	3,196	2,580	-19.3
4	Wine	1,287	1,299	1,056	-18.7
5	Walnuts	1,247	1,286	922	-28.3
6	Tomatoes, Processed ³	659	693	769	11.0
7	Rice	774	670	741	10.5
8	Table Grapes	668	657	616	-6.3
9	Oranges and Products ³	624	567	597	5.3
10	Strawberries	475	482	509	5.4
11	Beef and Products ⁴	570	619	496	-20.0
12	Cotton ^{2,3}	380	391	326	-16.6
13	Lettuce ^{2,3}	308	356	313	-12.0
14	Seeds for Sowing ^{2,3}	314	307	289	-5.9
15	Hay ^{2,3}	371	398	279	-29.9
16	Lemons	188	184	187	1.4
17	Cauliflower	129	185	178	-4.2
18	Raisins	224	225	173	-23.0
19	Cherries	151	87	169	93.7
20	Peaches and Nectarines	149	149	151	0.8
21	Flowers and Nursery	138	145	144	-1.1
22	Raspberries and Blackberries ⁵	160	144	128	-11.0
23	Prunes	158	170	118	-30.4
24	Carrots	90	89	90	0.6
25	Onions	86	102	86	-16.1
26	Spinach	104	98	84	-14.2
27	Celery	74	78	83	6.5
28	Tangerines and Mandarins	86	57	74	28.5
29	Melons	60	63	59	-5.6
30	Plums	45	44	56	27.2
31	Pears	44	48	50	5.1
32	Sweet Potatoes	51	46	48	4.0
33	Dates ^{2,3}	83	51	44	-12.6
34	Tomatoes, Fresh	33	36	37	2.9
35	Garlic	27	28	31	13.3
36	Chickens	26	27	30	9.9
37	Kiwi	28	34	29	-12.3
38	Blueberries	39	36	29	-21.6
39	Wheat	14	29	26	-11.2
40	Cabbage ^{2,3}	32	32	24	-24.2
41	Bell and Chili Peppers	25	24	24	-1.8

California Agricultural Products Export Values and Rankings, 2021-2023

2023 Rank	Product	2021	2022	2023	Change in Value 2022 to 2023
			\$1 Million		Percent ¹
42	Asparagus	16	11	20	88.9
43	Broccoli	95	22	20	-10.5
44	Grapefruit ²	9	27	19	-28.3
45	Grape Juice	23	24	18	-25.4
46	Olives and Olive Oil	26	14	18	29.0
47	Potatoes	14	14	14	0.4
48	Apricots	17	13	13	-0.2
49	Turkey	15	12	11	-4.8
50	Avocados	27	11	11	-3.8
51	Apples	12	12	10	-15.5
52	Figs	10	9	9	0.0
53	Eggs	35	6	7	7.7
54	Mushrooms ^{2,3}	4	5	6	10.6
55	Dry Beans	8	7	6	-20.0
56	Cottonseed and Byproducts	5	9	6	-37.2
57	Artichokes	4	3	4	17.7
	Total Principal Commodities⁶	19,306	20,197	18,927	-6.3
	Total Other Products and Mixtures^{7,8}	3,432	3,626	3,483	-3.9
	Total All Agricultural Exports⁹	22,738	23,823	22,410	-5.9

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 2022 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 2021 and 2022 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 2021 and 2022 were revised based on updates to USDA NASS production data.

⁹ "Total All Agricultural Exports" values for 2021 and 2022 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, 2022 and 2023

Commodity	2022 ¹		2023		Change in California
	Total U.S. Export Value	California Share of U.S. Exports	Total U.S. Export Value	California Share of U.S. Exports	Share of U.S. Exports 2022 to 2023
	\$1 Million	Percent	\$1 Million	Percent	Percent Change
Animal Products	28,369	13.6	24,494	12.8	-6.3
Beef and Products ²	12,505	5.0	10,645	4.7	-6.0
Chicken	5,223	0.5	4,751	0.6	20.8
Dairy and Products	9,655	33.1	8,106	31.8	-3.8
Eggs	556	1.1	586	1.1	2.1
Turkey	430	2.7	406	2.8	0.8
Field Crops	23,940	10.7	18,891	13.2	23.7
Cotton	8,755	4.5	5,939	5.5	22.9
Cottonseed and Byproducts	178	4.9	174	3.2	-35.6
Dry Beans	132	5.2	192	2.9	-44.9
Hay	2,029	19.6	1,561	17.8	-9.0
Potatoes	304	4.7	339	4.2	-10.2
Rice	1,737	38.6	2,041	36.3	-6.0
Seeds for Sowing	1,618	19.0	1,616	17.9	-5.8
Sweet Potatoes	164	27.9	169	28.2	1.2
Tomatoes, Processed	693	100.0	769	100.0	0.0
Wheat	8,330	0.3	6,090	0.4	21.5
Fruits	6,825	64.6	6,679	62.0	-4.0
Apples	946	1.3	991	1.0	-19.3
Apricots	15	83.8	15	84.5	0.8
Avocados	12	88.4	12	91.6	3.6
Blueberries	314	11.6	311	9.2	-20.8
Cherries	379	23.0	500	33.8	46.9
Dates	51	100.0	44	100.0	0.0
Prunes	170	100.0	118	100.0	0.0
Figs	9	100.0	9	100.0	0.0
Grape Juice	77	30.8	69	25.6	-17.0
Grapefruit	58	46.0	48	40.1	-12.8
Kiwi	34	100.0	29	100.0	0.0
Lemons	207	88.8	210	88.9	0.1
Melons	161	39.2	190	31.2	-20.3
Olives and Olive Oil ³	14	100.0	18	100.0	0.0
Oranges and Products	827	68.5	833	71.7	4.5
Peaches and Nectarines	197	76.0	195	77.3	1.7
Pears	189	25.3	195	25.7	1.7
Plums	44	98.8	56	98.8	0.0
Raisins	225	100.0	173	100.0	0.0
Raspberries and Blackberries ⁴	194	74.5	177	72.6	-2.5
Strawberries	541	89.2	567	89.7	0.5
Table Grapes	657	100.0	616	100.0	0.0
Tangerines and Mandarins	62	93.3	77	95.3	2.2
Wine	1,444	90.0	1,226	86.1	-4.3

California Share of U.S. Agricultural Exports by Category and Commodity, 2022 and 2023

Commodity	2022 ¹		2023		Change in California
	Total U.S.	California Share of	Total U.S.	California Share of	Share of U.S. Exports
	Export Value	U.S. Exports	Export Value	U.S. Exports	2022 to 2023
	\$1 Million	Percent	\$1 Million	Percent	Percent Change
Tree Nuts	8,150	100.0	8,016	100.0	0.0
Almonds	4,656	100.0	4,363	100.0	0.0
Pistachios	2,209	100.0	2,732	100.0	0.0
Walnuts	1,286	100.0	922	100.0	0.0
Vegetables	1,927	55.6	1,782	56.1	1.0
Artichokes	3	100.0	4	100.0	0.0
Asparagus	63	16.9	70	28.7	70.1
Bell and Chili Peppers	87	27.9	91	26.1	-6.5
Broccoli	25	89.3	22	88.0	-1.4
Cabbage	100	32.2	78	31.4	-2.5
Carrots	110	81.2	111	80.8	-0.5
Cauliflower	218	84.9	217	81.7	-3.8
Celery	87	90.4	93	89.4	-1.1
Garlic	28	100.0	31	100.0	0.0
Lettuce	544	65.5	478	65.6	0.1
Mushrooms	41	13.5	32	19.2	42.2
Onions	357	28.6	311	27.6	-3.6
Spinach	137	71.7	119	71.1	-0.8
Tomatoes, Fresh	128	28.1	125	29.6	5.2
Flowers and Nursery	492	29.5	446	32.2	9.1
Total California Principal Commodities	69,703	29.0	60,308	31.4	8.3
Total Other Products and Mixtures⁵	126,154	2.9	114,564	3.0	5.8
Total U.S. Agricultural Exports⁶	195,856	12.2	174,872	12.8	5.4

¹ Export values for 2022 were revised based on updated production data from the U.S. Department of Agriculture/National Agricultural Statistics Service.

² Hides and skins are included in the heading "Beef and Products".

³ Product category "Olives and Olive Oil" is equal to the product category "Olives and Products" found in previous years' data tables.

⁴ "Raspberries and Blackberries" category also includes exports of mulberries and loganberries.

⁵ "Total Other Products and Mixtures" is equal to total U.S. agricultural exports minus total California principal commodity exports.

⁶ 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 malt beverages (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, 2022 and 2023 ^{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)	2022	2023	Table Grapes (8)	2022	2023	Raisins (18)	2022	2023
European Union	32	29	Canada	34	37	Japan	28	22
India	19	21	Mexico	23	26	Canada	14	16
China/Hong Kong	6	8	Taiwan	6	6	European Union	11	12
United Arab Emirates	7	6	Australia	5	<5	China/Hong Kong	5	5
Japan	5	5	Vietnam	5	<5	Philippines	5	5
Other Destinations	31	32	Other Destinations	27	24	Taiwan	5	5
						Other Destinations	31	34
Pistachios (2)	2022	2023	Oranges and Products (9)	2022	2023	Cherries (19)	2022	2023
China/Hong Kong	27	32	Canada	25	25	Canada	37	29
European Union	31	23	South Korea	24	23	South Korea	15	20
Turkey	7	9	China/Hong Kong	14	15	China/Hong Kong	12	13
Germany	10	7	Japan	12	11	Taiwan	11	9
India	<5	6	Mexico	<5	6	Japan	6	6
Belgium	8	5	Other Destinations	21	21	Mexico	<5	7
Vietnam	<5	5				Other Destinations	14	16
Canada	5	<5	Strawberries (10)	2022	2023			
Other Destinations	3	10	Canada	67	65	Peaches and Nectarines (20)	2022	2023
			Mexico	12	13	Canada	61	60
Dairy and Products (3)	2022	2023	Japan	6	5	Mexico	24	27
Mexico	17	29	Saudi Arabia	5	<5	Taiwan	7	7
Canada	7	14	Other Destinations	11	12	Other Destinations	8	6
China/Hong Kong	9	8						
Philippines	14	5	Beef and Products (11)³	2022	2023	Flowers and Nursery (21)	2022	2023
Japan	7	5	China/Hong Kong	23	23	Canada	55	55
Indonesia	5	<5	South Korea	22	20	Mexico	22	24
South Korea	8	<5	Japan	18	17	European Union	11	9
Other Destinations	34	32	Mexico	9	11	Other Destinations	11	12
			Canada	8	9			
Wine (4)	2022	2023	Taiwan	6	6	Raspberries and Blackberries (22)⁴	2022	2023
Canada	34	35	Other Destinations	14	13	Canada	83	78
European Union	14	14				Japan	5	5
United Kingdom	12	12	Cotton (12)	2022	2023	Other Destinations	12	17
China/Hong Kong	6	9	India	35	35			
Japan	8	7	China/Hong Kong	25	26	Prunes (23)	2022	2023
South Korea	6	5	Vietnam	7	10	European Union	28	22
Other Destinations	20	18	Pakistan	3	7	Japan	17	21
			Peru	8	3	Canada	9	13
Walnuts (5)	2022	2023	Other Destinations	23	20	Mexico	11	12
European Union	36	32				China/Hong Kong	10	7
Turkey	7	10	Lettuce (13)	2022	2023	Israel	<5	5
Japan	8	8	Canada	90	86	South Korea	<5	5
South Korea	7	8	Mexico	<5	7	Other Destinations	16	17
United Arab Emirates	8	8	Other Destinations	6	7			
Canada	5	6				Carrots (24)	2022	2023
Mexico	7	6	Hay (15)	2022	2023	Canada	90	90
Other Destinations	22	22	China/Hong Kong	40	28	Mexico	7	6
			Japan	29	28	Other Destinations	<5	<5
Tomatoes, Processed (6)	2022	2023	South Korea	16	16			
Canada	38	37	Saudi Arabia	7	14	Onions (25)	2022	2023
Mexico	19	19	United Arab Emirates	<5	5	Canada	57	57
Japan	7	8	Other Destinations	6	9	Mexico	18	19
European Union	4	7				Japan	6	7
Other Destinations	32	29	Lemons (16)	2022	2023	Other Destinations	19	17
			Canada	39	41			
Rice (7)	2022	2023	Japan	30	21	Spinach (26)	2022	2023
Japan	50	62	South Korea	18	15	Canada	79	79
South Korea	20	10	European Union	<5	7	Mexico	20	21
Mexico	7	6	Other Destinations	12	17	Other Destinations	<5	<5
Jordan	<5	5						
European Union	5	<5	Cauliflower (17)	2022	2023			
Taiwan	5	<5	Canada	91	92			
Other Destinations	12	11	Other Destinations	9	8			

Major Destinations for California Agricultural Exports, 2022 and 2023 ^{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
Celery (27)	2022	2023	Blueberries (38)	2022	2023	Apricots (48)	2022 2023
Canada	87	90	Canada	66	68	Canada	48 56
Mexico	<5	5	South Korea	11	9	Mexico	10 13
Other Destinations	9	5	Japan	6	5	Curacao	7 6
			European Union	5	4	Japan	11 5
Tangerines and Mandarins (28)	2022	2023	Other Destinations	12	14	Turkey	<5 5
Canada	63	59				Taiwan	8 <5
Mexico	10	16	Cabbage (40)	2022	2023	Other Destinations	15 14
Japan	11	7	Canada	90	88		
Australia	5	6	Mexico	8	8	Avocados (50)	2022 2023
Other Destinations	11	13	Other Destinations	<5	<5	Canada	39 37
						Taiwan	11 16
Melons (29)	2022	2023	Bell and Chili Peppers (41)	2022	2023	South Korea	26 10
Canada	86	84	Canada	92	91	Kuwait	<5 9
Mexico	5	7	Other Destinations	8	9	China/Hong Kong	<5 5
Other Destinations	9	9				Other Destinations	21 23
			Asparagus (42)	2022	2023		
Plums (30)	2022	2023	European Union	26	32	Figs (52)	2022 2023
Canada	57	43	United Kingdom	16	17	Canada	57 66
Mexico	10	22	Australia	15	12	China/Hong Kong	11 15
China/Hong Kong	21	20	Canada	14	11	Mexico	26 10
Taiwan	6	9	Japan	13	11	Other Destinations	6 9
Other Destinations	6	6	Other Destinations	16	17		
						Dry Beans (55)	2022 2023
Pears (31)	2022	2023	Broccoli (43)	2022	2023	European Union	41 38
Canada	79	79	Canada	60	61	Canada	21 21
Mexico	15	15	Mexico	18	23	United Arab Emirates	<5 5
Other Destinations	7	6	Trinidad & Tobago	4	5	Pakistan	5 <5
			Barbados	5	<5	Other Destinations	30 32
Sweet Potatoes (32)	2022	2023	Japan	5	<5		
European Union	39	42	Other Destinations	7	5	Cottonseed and Byproducts (56)	2022 2023
Canada	34	34				South Korea	18 24
United Kingdom	22	19	Grapefruit (44)	2022	2023	Mexico	17 22
Other Destinations	5	4	Canada	31	32	Saudi Arabia	12 19
			South Korea	15	19	China/Hong Kong	5 13
Dates (33)	2022	2023	Japan	22	18	European Union	26 10
Canada	30	30	European Union	15	10	Japan	9 8
Australia	20	19	Mexico	<5	6	Canada	8 2
Mexico	22	18	United Kingdom	<5	5	Other Destinations	6 3
United Kingdom	7	7	Other Destinations	10	11		
Indonesia	<5	6				Artichokes (57)	2022 2023
Other Destinations	18	20	Grape Juice (45)	2022	2023	Canada	70 60
			Japan	36	42	Mexico	16 15
Tomatoes, Fresh (34)	2022	2023	Canada	33	30	Aruba	<5 9
Canada	94	87	South Korea	6	<5	Sint Maarten	<5 8
Mexico	1	5	Other Destinations	25	24	Barbados	<5 5
Other Destinations	5	8				Other Destinations	10 <5
			Olives and Olive Oil (46)	2022	2023		
Garlic (35)	2022	2023	Belize	<5	23		
Canada	31	35	Mexico	28	21		
Mexico	20	17	Canada	21	20		
Japan	12	11	Japan	15	9		
European Union	6	6	Philippines	5	5		
Australia	5	<5	Other Destinations	30	22		
Philippines	5	<5					
Other Destinations	22	22	Potatoes (47)	2022	2023		
			Mexico	29	36		
Kiwi (37)	2022	2023	Canada	31	29		
Australia	41	49	Japan	7	6		
Japan	21	19	South Korea	5	6		
Canada	13	13	Honduras	<5	5		
Mexico	20	10	Taiwan	6	5		
Other Destinations	5	8	Other Destinations	18	14		

¹ This table shows destinations that receive shares of total exports greater than or equal to 5 percent of each commodity in either 2022 or 2023 for which reliable data are available. The commodities are listed by rank order, shown in parentheses, that corresponds to the 2023 ranking in the table: "California Agricultural Products Export Values and Rankings, 2021-2023".

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

⁴ "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, 2022 and 2023

Commodities ¹ and Destinations	2022	2023	Percent Change 2022 to 2023	Commodities ¹ and Destinations	2022	2023	Percent Change 2022 to 2023
	Approximate Export Value ¹				Approximate Export Value ¹		
	\$1 Million				\$1 Million		
1- Canada	3,651.1	3,685.2	0.9	2- European Union (EU-27)	3,071.8	2,588.8	-15.7
Dairy and Products	215.6	369.6	71.4	Almonds	1,483.4	1,244.9	-16.1
Wine	438.5	368.4	-16.0	Pistachios	687.4	640.5	-6.8
Strawberries	322.8	332.0	2.8	Walnuts	465.4	295.0	-36.6
Lettuce	318.2	304.7	-4.2	Wine	182.7	144.1	-21.1
Tomatoes, Processed	255.8	283.7	10.9	Tomatoes, Processed	27.8	52.1	87.6
Table Grapes	221.8	226.5	2.1	Dairy and Products	40.7	42.3	3.8
Almonds	227.4	194.5	-14.4	Rice	28.0	28.3	0.9
Cauliflower	168.6	163.9	-2.8	Prunes	47.2	26.1	-44.6
Oranges and Products	141.2	147.7	4.6	Raisins	24.7	20.8	-15.7
Pistachios	117.3	115.8	-1.3	Sweet Potatoes	17.2	20.1	17.1
Raspberries and Blackberries ²	121.2	100.2	-17.3	Flowers and Nursery	16.5	14.1	-14.5
Peaches and Nectarines	90.9	90.6	-0.3	Beef and Products ³	12.8	12.7	-0.3
Flowers and Nursery	79.7	83.7	5.0	Lemons	< 0.0	12.3	> 1,000.0
Carrots	80.3	81.1	1.0	Oranges and Products	7.3	11.4	54.7
Lemons	72.7	75.9	4.4	Asparagus	2.6	6.2	139.7
Celery	67.5	75.4	11.7	Cotton	6.9	2.9	-57.3
Spinach	76.7	66.6	-13.2	Dates	3.2	2.5	-23.6
Walnuts	66.9	54.7	-18.3	Dry Beans	2.9	2.2	-25.2
Cherries	33.0	49.7	50.7	Grapefruit	3.7	1.9	-49.3
Onions	59.1	49.1	-17.0	Other Products	11.4	8.4	-26.8
Beef and Products ³	47.1	46.4	-1.7				
Tangerines and Mandarins	36.3	43.5	19.8	3- China/Hong Kong	1,801.0	1,946.7	8.1
Pears	37.5	39.8	6.0	Pistachios	592.0	869.6	46.9
Melons	53.3	35.3	-33.8	Almonds	268.7	328.4	22.2
Tomatoes, Fresh	33.5	32.3	-3.6	Dairy and Products	281.9	200.9	-28.7
Raisins	31.7	28.3	-10.9	Beef and Products ³	142.6	113.7	-20.2
Plums	25.0	24.1	-3.4	Wine	82.7	90.3	9.2
Bell and Chili Peppers	21.7	21.7	0.1	Oranges and Products	77.8	87.4	12.3
Dates	24.4	21.7	-11.2	Cotton	99.9	86.3	-13.6
Cabbage	23.4	21.6	-7.7	Hay	151.3	78.0	-48.5
Blueberries	23.5	18.9	-19.7	Cherries	10.6	21.4	102.8
Sweet Potatoes	14.8	16.3	10.6	Table Grapes	16.3	11.1	-31.9
Prunes	15.6	14.9	-4.8	Plums	9.1	10.9	20.1
Broccoli	12.6	12.0	-4.5	Strawberries	4.3	8.6	97.6
Rice	8.8	10.5	19.1	Raisins	11.8	8.4	-28.8
Garlic	9.6	9.8	1.9	Prunes	16.6	7.9	-52.2
Apricots	6.1	7.0	16.1	Tomatoes, Processed	5.9	6.7	12.0
Hay	3.8	6.2	63.2	Walnuts	12.7	5.3	-58.4
Grapefruit	7.9	6.1	-23.3	Lemons	3.7	4.8	30.4
Grape Juice	7.9	5.3	-32.4	Other Products	13.0	6.9	-47.0
Mushrooms	4.5	4.6	2.5				
Potatoes	4.3	4.1	-3.7				
Figs	5.0	4.1	-16.9				
Avocados	4.3	3.9	-8.9				
Kiwi	4.5	3.9	-14.3				
Olives and Olive Oil	2.9	3.5	22.6				
Artichokes	2.4	2.4	1.1				
Asparagus	1.4	2.1	46.6				
Other Products	2.2	1.3	-40.0				

Major California Agricultural Exports to the Top 15 Destinations, 2022 and 2023

Commodities ¹ and Destinations	2022	2023	Percent Change 2022 to 2023	Commodities ¹ and Destinations	2022	2023	Percent Change 2022 to 2023
	Approximate Export Value ¹				Approximate Export Value ¹		
	\$1 Million				\$1 Million		
4- Mexico	1,513.6	1,781.7	17.7	6- India	1,163.4	1,234.3	6.1
Dairy and Products	528.6	743.1	40.6	Almonds	884.1	906.3	2.5
Table Grapes	151.0	160.1	6.0	Cotton	138.2	116.6	-15.6
Tomatoes, Processed	130.4	149.9	15.0	Pistachios	89.8	151.7	68.9
Almonds	92.2	92.7	0.5	Walnuts	26.7	35.1	31.3
Pistachios	67.2	87.4	30.0	Dairy and Products	16.0	13.7	-14.8
Strawberries	55.8	68.2	22.2	Tomatoes, Processed	3.1	5.1	65.1
Beef and Products ³	54.3	57.0	5.0	Oranges and Products	1.7	3.3	91.3
Walnuts	89.2	53.1	-40.5	Other Products	3.8	2.6	-31.7
Peaches and Nectarines	36.4	40.5	11.4				
Rice	38.7	39.5	2.1	7- South Korea	1,177.8	905.5	-23.1
Oranges and Products	24.3	36.7	50.9	Almonds	147.6	155.2	5.2
Flowers and Nursery	32.0	36.1	12.7	Oranges and Products	135.9	135.6	-0.3
Lettuce	12.2	24.0	97.2	Dairy and Products	254.7	102.1	-59.9
Wine	24.5	19.5	-20.3	Beef and Products ³	138.2	101.7	-26.4
Spinach	19.7	17.6	-10.5	Walnuts	88.0	75.6	-14.1
Onions	18.4	16.0	-12.8	Rice	118.9	69.9	-41.2
Prunes	18.6	14.3	-23.0	Wine	76.9	55.3	-28.1
Dates	17.7	12.8	-27.7	Hay	62.9	45.6	-27.6
Plums	4.5	12.2	172.3	Cherries	13.5	33.3	147.3
Tangerines and Mandarins	5.6	11.5	104.0	Lemons	33.9	27.7	-18.5
Cherries	3.7	11.0	200.2	Table Grapes	24.5	25.7	5.0
Lemons	8.1	7.8	-3.5	Tomatoes, Processed	26.6	24.0	-9.8
Pears	7.0	7.7	9.8	Pistachios	13.1	17.5	34.2
Raisins	9.8	6.4	-34.2	Raisins	7.9	7.4	-5.4
Cauliflower	6.9	6.0	-13.1	Prunes	7.2	5.5	-23.3
Carrots	6.2	5.6	-10.3	Grapefruit	3.7	3.6	-1.8
Potatoes	4.0	5.1	27.4	Strawberries	4.4	3.3	-24.4
Raspberries and Blackberries ²	3.8	5.0	32.0	Blueberries	3.8	2.6	-30.6
Garlic	6.3	4.8	-23.8	Cotton	2.5	2.5	0.4
Broccoli	3.8	4.6	20.2	Other Products	13.5	11.3	-16.7
Celery	3.4	4.0	19.6				
Olives and Olive Oil	3.8	3.7	-2.8	8- United Arab Emirates	457.0	548.5	20.0
Kiwi	6.7	3.0	-55.0	Almonds	311.2	257.8	-17.2
Cabbage	2.0	2.0	0.3	Pistachios	66.2	92.9	40.4
Other Products	17.2	13.0	-24.4	Walnuts	106.0	69.4	-34.5
				Dairy and Products	24.3	18.3	-24.6
5- Japan	1,631.1	1,456.9	-10.7	Hay	6.5	12.9	98.6
Rice	297.4	419.0	40.9	Strawberries	8.8	12.2	38.3
Almonds	245.9	215.2	-12.5	Tomatoes, Processed	7.1	6.6	-7.3
Dairy and Products	229.4	124.7	-45.7	Wine	4.9	6.5	31.9
Beef and Products ³	114.3	84.7	-25.9	Beef and Products ³	3.5	2.9	-17.0
Wine	98.5	78.4	-20.4	Raspberries and Blackberries ²	2.0	2.7	34.1
Hay	110.8	78.1	-29.5	Rice	2.2	2.0	-12.5
Walnuts	99.8	77.7	-22.1	Other Products	5.7	7.0	21.8
Oranges and Products	66.0	66.5	0.9				
Tomatoes, Processed	48.4	65.8	35.9	9- Turkey	417.2	514.9	23.4
Lemons	56.1	39.6	-29.5	Pistachios	145.8	234.7	61.0
Raisins	62.4	38.8	-37.9	Almonds	158.1	170.7	8.0
Pistachios	42.8	29.6	-30.8	Walnuts	93.4	90.7	-2.9
Strawberries	28.2	25.7	-9.1	Cotton	16.7	13.3	-20.7
Prunes	29.3	24.4	-16.9	Other Products	3.2	5.5	72.6
Table Grapes	25.5	23.6	-7.4				
Cherries	5.7	10.5	85.3				
Grape Juice	8.4	7.4	-12.6				
Raspberries and Blackberries ²	7.5	6.1	-18.6				
Kiwi	7.1	5.7	-20.2				
Onions	6.5	5.7	-12.5				
Tangerines and Mandarins	6.2	5.0	-18.5				
Grapefruit	5.5	3.4	-37.6				
Garlic	3.7	2.9	-20.8				
Cotton	5.5	2.4	-56.1				
Asparagus	1.3	2.2	67.8				
Other Products	18.8	13.8	-26.5				

Major California Agricultural Exports to the Top 15 Destinations, 2022 and 2023

Commodities ¹ and Destinations	2022	2023	Percent Change 2022 to 2023	Commodities ¹ and Destinations	2022	2023	Percent Change 2022 to 2023
	Approximate Export Value ¹				Approximate Export Value ¹		
	\$1 Million						
10- Vietnam	336.0	348.4	3.7	13- Australia	266.9	283.4	6.2
Pistachios	95.6	137.0	43.4	Dairy and Products	96.3	57.0	-40.8
Almonds	64.4	84.4	31.2	Table Grapes	34.5	26.2	-23.9
Dairy and Products	82.2	47.4	-42.3	Oranges and Products	21.2	23.4	10.5
Cotton	26.1	33.1	26.8	Pistachios	16.6	19.0	14.6
Table Grapes	33.8	18.6	-45.1	Walnuts	19.0	17.8	-6.4
Cherries	2.8	7.1	150.8	Kiwi	13.7	14.5	5.8
Walnuts	8.0	6.6	-16.7	Dates	16.5	13.9	-15.7
Raisins	7.5	5.5	-26.5	Tomatoes, Processed	9.8	12.0	22.3
Oranges and Products	4.3	3.0	-29.6	Wine	15.6	8.7	-44.2
Wine	4.3	2.1	-51.4	Tangerines and Mandarins	2.8	4.2	50.8
Beef and Products ³	4.9	1.5	-69.2	Cherries	1.5	3.8	148.6
Other Products	2.2	2.0	-8.1	Almonds	12.6	3.4	-72.7
				Rice	6.2	3.4	-45.7
11- United Kingdom	344.6	309.3	-10.2	Prunes	3.0	3.2	9.2
Wine	156.5	124.3	-20.6	Asparagus	1.5	2.4	65.0
Almonds	62.9	69.7	10.8	Peaches and Nectarines	2.9	1.7	-40.3
Pistachios	38.4	37.0	-3.6	Other Products	9.8	7.2	-26.5
Walnuts	37.6	33.4	-11.1				
Dairy and Products	13.6	9.4	-30.4	14- Saudi Arabia	243.6	253.3	4.0
Sweet Potatoes	9.8	9.2	-6.1	Almonds	64.4	65.6	1.9
Dates	5.5	5.1	-6.8	Pistachios	70.9	65.1	-8.1
Asparagus	1.7	3.3	96.4	Hay	26.9	38.7	43.7
Tomatoes, Processed	1.6	2.2	39.6	Dairy and Products	37.0	30.9	-16.5
Onions	2.6	2.2	-13.6	Strawberries	22.2	22.9	3.2
Rice	2.9	2.1	-25.0	Tomatoes, Processed	4.6	7.9	70.3
Other Products	11.7	11.3	-3.6	Walnuts	5.8	7.0	21.2
				Rice	2.8	6.5	134.6
12- Taiwan	381.0	288.6	-24.2	Raspberries and Blackberries ²	3.0	2.2	-25.0
Table Grapes	37.3	37.7	1.0	Other Products	5.9	6.4	8.1
Dairy and Products	105.2	36.9	-65.0				
Beef and Products ³	37.5	29.6	-21.1	15- Philippines	188.4	224.7	19.3
Almonds	26.4	29.0	10.0	Dairy and Products	444.7	119.6	-73.1
Rice	29.3	16.4	-44.1	Raisins	11.7	9.2	-21.4
Walnuts	22.9	15.5	-32.4	Wine	14.7	8.5	-42.2
Cherries	9.8	15.2	55.0	Almonds	2.8	4.5	59.2
Wine	15.5	13.4	-13.8	Oranges and Products	3.9	4.1	3.1
Oranges and Products	12.0	12.5	4.0	Beef and Products ³	7.7	4.0	-48.7
Hay	12.9	11.0	-15.4	Tomatoes, Processed	3.3	3.0	-7.7
Pistachios	8.5	10.9	28.0	Table Grapes	7.5	2.9	-61.5
Peaches and Nectarines	10.2	10.4	2.4	Walnuts	2.9	2.8	-1.8
Tomatoes, Processed	7.6	10.2	34.3	Pistachios	2.5	1.8	-27.4
Lettuce	9.7	9.8	1.5	Other Products	9.8	8.7	-12.0
Raisins	10.7	8.2	-23.5				
Plums	2.8	5.3	87.7				
Onions	1.0	2.9	174.2				
Other Products	21.5	13.9	-35.5				

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

³ 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), 2022 and 2023

(Approximate Export Value, \$1 million)

2023

Rank	European Union (EU-27) Member ¹	Almonds	Wine	Pistachios	Walnuts	Other Principal Products ²	Total ³
1	Germany	222	17	182	112	21	554
2	Spain	356	3	102	61	12	534
3	Netherlands	229	35	42	61	112	480
4	Italy	171	4	80	43	38	336
5	Belgium	44	14	123	1	20	202
6	France	61	20	29	4	6	120
7	Denmark	18	29	0	3	2	53
8	Poland	20	1	19	2	7	48
9	Lithuania	30	0	15	1	1	46
10	Sweden	9	14	0	2	13	38
	Other EU Members ⁴	85	7	48	5	32	177
	Total³	1,245	144	640	295	264	2,589
	United Kingdom⁶	70	124	37	33	45	309

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 ⁵	96	9	16	7	22	151
	Total³	1,483	183	687	465	253	3,072
	United Kingdom⁶	63	157	38	38	49	345

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 2023 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 7 percent of California agricultural exports to the EU in 2023.

⁵ 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.

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, 2022 and 2023

(Export Volumes in Farm Weight Basis)

Commodity	Farmgate Unit	2022			2023		
		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 Farmgate Units	1,000 Farmgate Units		1,000 Farmgate Units		
Almonds	cwt.	19,419	25,650	0.76	19,867	23,660	0.84
Apples	cwt.	577	1,761	0.33	541	2,393	0.23
Apricots	short tons	14	26	0.52	12	32	0.39
Artichokes	cwt.	37	743	0.05	44	744	0.06
Asparagus	cwt.	4	68	0.06	7	175	0.04
Avocados	short tons	3	138	0.02	4	117	0.03
Beef and Products ^{2,3}	liveweight cwt.	2,124	23,069	0.09	1,808	23,711	0.08
Blueberries	cwt.	147	641	0.23	144	641	0.22
Broccoli	cwt.	311	10,589	0.03	290	13,510	0.02
Cabbage	cwt.	279	5,904	0.05	310	6,675	0.05
Carrots	cwt.	1,571	24,120	0.07	1,580	22,875	0.07
Cauliflower	cwt.	2,507	7,238	0.35	2,384	7,303	0.33
Celery	cwt.	1,693	12,420	0.14	1,603	13,854	0.12
Cherries	short tons	17	54	0.31	39	99	0.39
Cotton	bales	350	445	0.79	370	284	1.30
Cottonseed and Byproducts	short tons	30	153	0.20	17	95	0.17
Dairy and Products ⁴	cwt.	150,298	417,870	0.36	136,855	409,020	0.33
Dates	cwt.	226	1,320	0.17	177	977	0.18
Prunes	short tons	126	226	0.56	78	226	0.35
Dry Beans	cwt.	155	308	0.50	122	399	0.31
Eggs	100-dozens	48	3,186	0.02	49	2,669	0.02
Figs	short tons	5	13	0.43	3	8	0.43
Garlic	cwt.	379	4,506	0.08	285	4,020	0.07
Grapefruit ²	short tons	51	180	0.29	37	172	0.22
Grapes, All ⁵	short tons	1,095	4,511	0.24	892	5,780	0.15
Hay ²	short tons	1,070	3,456	0.31	735	3,120	0.24
Kiwi	short tons	13	36	0.35	10	27	0.36
Lemons	76 lb. boxes	2,870	26,500	0.11	3,003	24,600	0.12
Lettuce ²	cwt.	4,180	78,123	0.05	4,278	81,834	0.05
Melons ²	cwt.	1,698	18,285	0.09	1,694	15,831	0.11
Olives and Olive Oil	short tons	17	86	0.20	25	121	0.21
Onions	cwt.	3,821	17,250	0.22	3,356	18,847	0.18
Oranges and Products ²	short tons	463	1,784	0.26	438	1,900	0.23
Peaches and Nectarines ²	cwt.	982	12,381	0.08	740	12,363	0.06
Pears	short tons	31	152	0.21	33	162	0.20
Peppers, Bell and Chili ²	cwt.	276	5,805	0.05	280	5,662	0.05
Pistachios	cwt., in shell	6,857	8,820	0.78	8,628	14,900	0.58
Plums	short tons	16	75	0.22	24	85	0.28
Potatoes ²	cwt.	659	8,465	0.08	597	10,534	0.06
Raspberries and Blackberries ^{2,6}	cwt.	411	984	0.42	339	708	0.48
Rice	cwt.	12,899	22,251	0.58	11,427	43,971	0.26
Spinach ²	cwt.	777	6,903	0.11	693	7,062	0.10
Strawberries ²	cwt.	2,747	25,674	0.11	2,846	24,575	0.12
Sweet Potatoes ²	cwt.	1,537	7,007	0.22	1,562	6,080	0.26
Tangerines and Mandarins	short tons	32	940	0.03	50	1,096	0.05
Tomatoes, Fresh	cwt.	470	5,867	0.08	432	7,124	0.06
Tomatoes, Processed	short tons	2,873	10,496	0.27	2,954	12,817	0.23
Turkey ²	liveweight cwt.	115	1,934	0.06	147	1,978	0.07
Walnuts	short tons	449	752	0.60	464	824	0.56
Wheat	bushels	2,191	8,960	0.24	1,993	8,338	0.24
Weighted Average⁷				0.28			0.24

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 2022 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