



CALIFORNIA AGRICULTURAL EXPORTS

2021-2022



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE



California Agricultural Exports

In 2021, California's agricultural exports totaled \$22.5 billion in value, representing an increase of 7.0 percent compared to the previous year. As demonstrated in the table below, California's agricultural exports have grown substantially over the past 10 years with total export value increasing by 20.1 percent since 2012.

California's top valued agricultural export commodity continues to be almonds, with more than \$4.6 billion in foreign sales in 2021. This figure represents a decrease of 0.2 percent from the previous year. Dairy and dairy products ranked second in export value for the year at \$2.5 billion, a 24.6 percent increase from 2020. Pistachios and wine came in third and fourth, respectively, with pistachio exports valued at \$2.1 billion and wine exports valued at \$1.3 billion in 2021.

The principal 57 export commodities totaled \$19.4 billion in export value in 2021 and accounted for 86.1 percent of the total value of California's agricultural exports. Of the top 57 commodities exported, 30 showed an increase in export value of 5 percent or more from the previous year, while 12 commodities experienced a decrease in export value of 5 percent or more.

California's share of total U.S. agricultural exports for 2021 was 12.8 percent, down from 14.3 percent in 2020. California's top 10 export destinations for 2021, in order of value, were: Canada, the European Union, China and Hong Kong, Japan, Mexico, South Korea, India, the United Arab Emirates, Taiwan, and the Philippines. Together these destinations accounted for 69.3 percent of the total 2021 export value. Of the top 10 export destinations, Mexico experienced the largest year-over-year

growth in total export value at 25.1 percent, followed by the United Arab Emirates at 18.9 percent and Taiwan at 14.0 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Data to compute agricultural exports are derived from official government sources, published industry sources and unpublished information from the government and the industry.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/>) or from the United States Census Bureau, USA Trade online database (<https://usatrade.census.gov>). Canadian import (value) data are from Strategis Canada's online database (<http://strategis.ic.gc.ca/engdoc/main.html>). 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 (NASS), Economic Research Service (ERS), and Agricultural Marketing Service (AMS) publications. A share of the raw data provided in these 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, 2010-2021

Year	Export Value
	<i>\$1 Billion</i>
2021	\$22.54
2020	\$21.08
2019	\$21.47
2018	\$20.70
2017	\$20.78
2016	\$19.98
2015	\$20.81
2014	\$21.55
2013	\$21.55
2012	\$18.77



California Agricultural Products Export Values and Rankings, 2019 2021

2021 Rank	Product	2019	2020	2021	Change in Value
					2020 to 2021
		\$1 Million			Percent ¹
1	Almonds	4,901	4,658	4,647	-0.2
2	Dairy and Products	1,805	2,037	2,537	24.6
3	Pistachios ^{2,3}	2,009	1,669	2,071	24.0
4	Wine ^{2,3}	1,228	1,143	1,288	12.7
5	Walnuts	1,250	1,246	1,247	0.1
6	Rice	765	831	774	-6.8
7	Table Grapes	743	731	668	-8.7
8	Tomatoes, Processed	623	618	659	6.5
9	Oranges and Products ^{2,3}	549	597	625	4.6
10	Beef and Products ⁴	404	409	572	39.7
11	Strawberries	402	407	475	16.6
12	Hay ²	338	346	382	10.2
13	Seeds for Sowing	333	311	314	0.9
14	Lettuce	292	292	304	4.4
15	Cotton	437	289	287	-0.9
16	Raisins	257	226	224	-1.0
17	Lemons ²	203	186	189	2.0
18	Raspberries and Blackberries ^{2,5}	142	140	162	15.4
19	Prunes	126	122	159	30.4
20	Peaches and Nectarines	119	120	146	21.7
21	Cherries ²	83	103	144	40.3
22	Flowers and Nursery	117	118	138	16.9
23	Cauliflower ²	127	123	128	4.3
24	Spinach	91	97	103	6.0
25	Broccoli ²	84	86	94	9.6
26	Carrots ^{2,3}	93	90	91	1.1
27	Onions	84	85	90	5.4
28	Tangerines and Mandarins	66	71	86	21.9
29	Dates ^{2,3}	57	62	80	27.9
30	Celery	102	76	74	-2.8
31	Melons	53	53	60	12.2
32	Sweet Potatoes	52	50	46	-8.7
33	Plums	49	48	45	-5.0
34	Pears	42	36	44	22.9
35	Blueberries	32	42	39	-6.5
36	Eggs	11	12	35	192.9
37	Tomatoes, Fresh	30	35	33	-4.6
38	Grapefruit ^{2,3}	30	35	32	-6.9
39	Kiwi	25	26	28	8.3
40	Garlic	26	27	28	2.8
41	Avocados	20	40	27	-34.0
42	Olives and Olive Oil	28	23	26	12.0
43	Chickens	21	21	26	21.8

California Agricultural Products Export Values and Rankings, 2019 2021

2021 Rank	Product	2019	2020	2021	Change in Value
					2020 to 2021
		\$1 Million			Percent ¹
44	Cabbage	25	20	26	31.2
45	Bell and Chili Peppers	25	28	24	-13.6
46	Grape Juice	22	22	23	3.1
47	Apricots	13	11	17	53.3
48	Asparagus ²	18	11	16	45.5
49	Turkey	17	13	15	8.9
50	Wheat	23	11	14	35.0
51	Potatoes	23	17	14	-21.0
52	Apples ²	14	11	11	5.0
53	Figs	12	10	10	-1.4
54	Dry Beans	17	13	7	-42.9
55	Mushrooms	4	6	6	10.9
56	Cottonseed and Byproducts	9	8	5	-41.0
57	Artichokes	3	5	4	-18.5
Total Principal Commodities ⁶		18,477	17,925	19,419	8.3
Total Other Products and Mixtures ^{7,8}		2,997	3,151	3,126	-0.8
Total All Agricultural Exports ⁹		21,474	21,076	22,544	7.0

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

³ Export values for 2019 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 2019 and 2020 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 2019 and 2020 were revised based on updates to USDA NASS production data.

⁹ "Total All Agricultural Exports" values for 2019 and 2020 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, 2020 and 2021

Commodity	2020		2021		Change in California
	Total U.S. Export	California Share of	Total U.S. Export	California Share of	Share of U.S. Exports
	Value	U.S. Exports	Value	U.S. Exports	2020 to 2021
	\$1 Million	In Percent	\$1 Million	In Percent	Percent Change
Animal Products	19,170	13.0	24,857	12.8	-1.6
Dairy and Products	6,559	31.1	7,760	32.7	5.3
Beef and Products ¹	8,130	5.1	11,604	4.9	-3.1
Turkey	422	3.2	548	2.7	-15.8
Eggs	458	2.6	521	6.8	157.4
Chicken	3,602	0.6	4,424	0.6	-0.9
Field Crops	17,661	12.6	19,553	12.8	1.5
Cotton	5,951	4.5	5,583	5.1	13.6
Cottonseed and Byproducts	139	7.7	139	3.6	-53.8
Dry Beans	184	6.8	163	4.5	-33.7
Hay	1,586	21.8	1,756	21.7	-0.5
Potatoes	243	7.1	276	5.0	-30.2
Rice	1,901	43.8	1,951	39.7	-9.3
Seeds for Sowing	543	10.4	1,611	19.5	86.9
Sweet Potatoes	188	26.7	187	24.5	-8.2
Tomatoes, Processed	618	100.0	659	100.0	0.0
Wheat	6,308	0.2	7,227	0.2	-4.6
Fruits	7,006	60.9	7,215	63.9	4.9
Apples	903	1.9	969	1.2	-37.0
Apricots	13	84.2	19	86.6	2.8
Avocados	46	88.6	31	84.7	-4.3
Blueberries	286	14.8	318	12.4	-16.0
Cherries	521	19.8	505	28.6	44.7
Dates	62	100.0	116	68.9	-31.1
Prunes	122	100.0	159	100.0	0.0
Figs	10	100.0	10	100.0	0.0
Grape Juice	68	32.9	74	31.0	-5.8
Grapefruit	94	35.5	78	41.4	16.7
Kiwi	26	100.0	28	100.0	0.0
Lemons	200	92.7	207	91.4	-1.3
Melons	147	36.1	162	37.0	2.5
Olives and Olive Oil ²	23	100.0	26	100.0	0.0
Oranges and Products	1,155	51.7	918	68.1	31.5
Peaches and Nectarines	160	74.8	202	72.3	-3.4
Pears	169	21.0	201	22.0	4.7
Plums	49	98.6	46	98.5	0.0
Raisins	226	100.0	224	100.0	0.0
Raspberries and Blackberries ³	180	78.2	203	79.7	1.9
Strawberries	457	89.0	528	89.9	1.0
Table Grapes	731	100.0	668	100.0	0.0
Tangerines and Mandarins	74	95.4	91	95.0	-0.4
Wine	1,285	88.9	1,433	89.8	1.0

California Share of U.S. Agricultural Exports by Category and Commodity, 2020 and 2021

Commodity	2020		2021		Change in California
	Total U.S. Export	California Share of	Total U.S. Export	California Share of	Share of U.S. Exports
	Value	U.S. Exports	Value	U.S. Exports	2020 to 2021
	\$1 Million	In Percent	\$1 Million	In Percent	Percent Change
Tree Nuts	7,573	100.0	7,965	100.0	0.0
Almonds	4,659	100.0	4,647	100.0	0.0
Walnuts	1,246	100.0	1,247	100.0	0.0
Pistachios	1,668	100.0	2,071	100.0	0.0
Vegetables	1,834	52.2	1,866	54.7	4.9
Artichokes	5	100.0	4	100.0	0.0
Asparagus	62	19.7	75	21.6	9.4
Bell and Chili Peppers	83	33.5	78	31.1	-7.1
Broccoli	96	89.4	107	87.8	-1.8
Cabbage	79	24.8	100	25.5	3.1
Carrots	108	83.1	108	84.7	1.9
Cauliflower	148	70.6	155	82.6	17.0
Celery	82	92.6	81	91.4	-1.3
Garlic	27	100.0	28	100.0	0.0
Lettuce	452	63.1	458	66.5	5.3
Mushrooms	144	3.8	112	5.5	42.9
Onions	291	29.7	305	29.5	-0.8
Spinach	141	68.8	141	72.9	6.0
Tomatoes, Fresh	116	30.3	116	28.9	-4.5
Flowers and Nursery	414	28.6	498	27.7	-2.9
Total California Principal Commodities	53,659	32.9	61,954	31.3	-4.7
Total Other Products and Mixtures ⁴	96,015	3.4	114,588	2.7	-20.0
Total U.S. Agricultural Exports ⁵	149,675	14.3	176,542	12.8	-10.7

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 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, 2020 and 2021^{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	
	2020	2021		2020	2021		2020	2021
Almonds (1)	2020	2021	Tomatoes, Processed (8)	2020	2021	Lemons (17)	2020	2021
European Union	33	33	Canada	39	36	Japan	26	24
India	16	18	Mexico	14	16	Canada	25	26
China/Hong Kong	14	8	Japan	8	8	South Korea	13	14
United Arab Emirates	<5	6	European Union	7	<5	European Union	10	12
Japan	5	6	Other destinations	31	35	China/Hong Kong	7	<5
Canada	6	5				Australia	5	<5
Other destinations	23	25	Oranges and Products (9)	2020	2021	Other destinations	14	16
			South Korea	28	30			
Dairy and Products (2)	2020	2021	Canada	19	21	Raspberries and Blackberries (18)⁴	2020	2021
Mexico	13	16	China/Hong Kong	17	16	Canada	73	77
Philippines	12	12	Japan	13	13	Japan	5	7
China/Hong Kong	9	10	Other destinations	22	20	Saudi Arabia	5	4
South Korea	8	8				Other destinations	17	13
Japan	8	8	Beef and Products (10)³	2020	2021			
Canada	7	7	China/Hong Kong	16	22	Prunes (19)	2020	2021
Indonesia	7	5	South Korea	22	21	European Union	28	27
Other destinations	36	34	Japan	24	20	Japan	24	23
			Mexico	11	10	Mexico	9	11
Pistachios (3)	2020	2021	Canada	9	8	Canada	10	9
China/Hong Kong	32	37	Taiwan	7	6	China/Hong Kong	6	8
European Union	40	35	Other destinations	10	12	South Korea	5	<5
Canada	7	6				Other destinations	19	18
Other destinations	53	22	Strawberries (11)	2020	2021			
			Canada	70	69	Peaches and Nectarines (20)	2020	2021
Wine (4)	2020	2021	Mexico	9	10	Canada	64	56
Canada	34	35	Japan	8	6	Mexico	18	27
European Union	34	28	Other destinations	14	14	Taiwan	8	9
China/Hong Kong	7	8				Other destinations	11	9
Japan	6	6	Hay (12)	2020	2021			
Other destinations	53	23	China/Hong Kong	28	37	Cherries (21)	2020	2021
			Japan	35	34	Canada	32	35
Walnuts (5)	2020	2021	South Korea	17	16	South Korea	23	21
European Union	35	40	Saudi Arabia	7	<5	China/Hong Kong	15	13
Japan	9	11	United Arab Emirates	5	<5	Taiwan	9	9
South Korea	7	8	Other destinations	8	7	Japan	7	8
Turkey	8	8				Vietnam	5	<5
United Arab Emirates	7	6	Lettuce (14)	2020	2021	Other destinations	9	12
Canada	7	6	Canada	87	87			
India	6	<5	Mexico	5	5	Flowers and Nursery (22)	2020	2021
Other destinations	22	19	Taiwan	5	<5	Canada	54	57
			Other destinations	2	4	Mexico	19	18
Rice (6)	2020	2021				European Union	12	10
Japan	34	38	Cotton (15)	2020	2021	Other destinations	14	14
South Korea	20	17	India	27	34			
Canada	1	9	China/Hong Kong	25	19	Cauliflower (23)	2020	2021
Jordan	9	8	Peru	<5	10	Canada	88	88
Saudi Arabia	6	<5	Vietnam	7	8	Other destinations	12	12
Israel	5	<5	Turkey	5	5			
Other destinations	18	14	Pakistan	10	<5	Spinach (24)	2020	2021
			Bangladesh	7	<5	Canada	83	82
Table Grapes (7)	2020	2021	Other destinations	16	17	Mexico	17	18
Canada	34	33	Raisins (16)	2020	2021			
Mexico	16	19	Japan	25	27	Broccoli (25)	2020	2021
Japan	6	6	Canada	14	13	Canada	83	84
South Korea	7	6	European Union	16	13	Mexico	5	7
Taiwan	6	6	Mexico	<5	5	Japan	8	5
Australia	<5	5	China/Hong Kong	5	5	Other destinations	4	4
Vietnam	5	<5	Other destinations	35	37			
Other destinations	27	19						

Major Destinations for California Agricultural Exports, 2020 and 2021^{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	
	2020	2021		2020	2021		2020	2021
Carrots (26)			Blueberries (35)			Bell and Chili Peppers (45)		
Canada	87	89	Canada	61	62	Canada	95	94
Mexico	9	8	South Korea	8	12	Other destinations	5	6
Other destinations	4	3	European Union	9	9			
			Japan	6	6	Grape Juice (46)	2020	2021
Onions (27)	2020	2021	Other destinations	16	11	Canada	41	42
Canada	47	54			Japan	27	26	
Mexico	23	15	Tomatoes, Fresh (37)	2020	2021	South Korea	6	7
Japan	6	8	Canada	97	93	Taiwan	5	<5
European Union	6	5	Other destinations	3	7	Other destinations	21	21
Other destinations	19	18						
			Grapefruit (38)	2020	2021	Apricots (47)	2020	2021
Tangerines and Mandarins (28)	2020	2021	Canada	24	25	Canada	57	46
Canada	47	59	Japan	27	21	Mexico	11	12
Japan	24	16	European Union	23	20	Japan	8	8
Mexico	<5	10	South Korea	19	18	China/Hong Kong	<5	7
European Union	8	5	Other destinations	8	15	Vietnam	6	6
Australia	5	<5			Other destinations	17	21	
Other destinations	16	7	Kiwi (39)	2020	2021			
			Japan	42	36	Asparagus (48)	2020	2021
Dates (29)	2020	2021	Mexico	36	31	European Union	33	39
Mexico	32	41	Australia	<5	16	Japan	18	16
Canada	25	23	Canada	12	9	Australia	13	14
Australia	18	16	Other destinations	10	8	Canada	17	13
European Union	11	7			Switzerland	<5	6	
Other destinations	14	12	Garlic (40)	2020	2021	Mexico	5	<5
			Canada	30	36	Other destinations	14	9
Celery (30)	2020	2021	Mexico	16	14			
Canada	83	83	Japan	11	12	Potatoes (51)	2020	2021
Other destinations	17	17	European Union	8	9	Canada	39	40
			Australia	6	<5	Mexico	23	22
Melons (31)	2020	2021	Indonesia	5	<5	Japan	5	9
Canada	86	88	Other destinations	25	24	Taiwan	9	6
Mexico	<5	5			Other destinations	24	22	
Other destinations	14	7	Avocado (41)	2020	2021			
			South Korea	29	28	Figs (53)	2020	2021
Sweet Potatoes (32)	2020	2021	Japan	24	17	Canada	56	53
European Union	65	65	Canada	12	17	Mexico	16	23
Canada	32	31	China/Hong Kong	11	9	China/Hong Kong	15	9
Other destinations	4	4	Taiwan	7	9	Japan	9	8
			Singapore	5	<5	Other destinations	5	6
Plums (33)	2020	2021	Other destinations	11	17			
Canada	43	51	Olives and Olive Oil (42)	2020	2021	Dry Beans (54)	2020	2021
China/Hong Kong	30	23	Canada	25	24	European Union	36	39
Mexico	9	14	European Union	17	19	Pakistan	16	15
Taiwan	12	7	Mexico	14	15	Canada	14	15
Other destinations	7	4	Panama	<5	7	United Arab Emirates	5	<5
			Japan	8	6	Other destinations	29	27
Pears (34)	2020	2021	South Korea	6	<5			
Canada	73	74	Other destinations	28	25	Cottonseed and Byproducts (56)	2020	2021
Mexico	15	18			Mexico	31	25	
Other destinations	12	8	Cabbage (44)	2020	2021	South Korea	24	23
			Canada	94	94	Saudi Arabia	10	16
			Other destinations	6	6	Japan	16	10
						China/Hong Kong	5	10
						Canada	5	6
						Other destinations	8	9
						Artichokes (57)	2020	2021
						Canada	55	79
						Mexico	43	16
						Other destinations	2	5

¹ This table shows destinations that receive shares of total exports greater than or equal to 5 percent of each commodity in either 2020 or 2021 for which reliable data are available.

The commodities are listed by rank order, shown in parentheses, that corresponds to the 2021 ranking in the table: "Agricultural Commodity Export Values and Rankings, 2019-2021".

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, 2020 and 2021

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021
	2020	2021			2020	2021	
1- Canada	3,410.6	3,651.2	7.1	2- European Union (EU-28)	3,498.2	3,433.6	-1.8
Wine	440.5	444.9	1.0	Almonds	1,633.7	1,523.9	-6.7
Strawberries	283.3	328.9	16.1	Pistachios	662.1	728.0	9.9
Lettuce	249.0	266.0	6.8	Walnuts	434.5	504.3	16.1
Almonds	275.4	243.8	-11.5	Wine	441.2	366.0	-17.0
Tomatoes, Processed	243.2	240.3	-1.2	Prunes	33.9	43.5	28.4
Table Grapes	268.3	222.3	-17.1	Dairy and Products	36.0	35.6	-1.2
Dairy and Products	138.1	186.6	35.2	Rice	29.6	32.3	9.0
Oranges and Products	115.7	131.0	13.3	Sweet Potatoes	32.6	29.9	-8.3
Raspberries and Blackberries ³	102.8	124.3	21.0	Raisins	36.7	28.9	-21.2
Pistachios	117.8	118.8	0.9	Tomatoes, Processed	44.7	27.0	-39.5
Cauliflower	106.0	112.9	6.5	Lemons	18.1	22.5	24.0
Spinach	80.2	84.3	5.1	Flowers and Nursery	14.4	14.4	-0.3
Peaches and Nectarines	76.7	81.0	5.5	Cotton	9.1	12.7	40.6
Carrots	78.6	81.0	3.0	Dates	9.1	8.6	-5.7
Broccoli	71.1	78.8	10.8	Beef and Products ²	8.3	8.5	3.0
Flowers and Nursery	63.7	78.5	23.2	Grapefruit	7.6	6.4	-15.6
Walnuts	85.8	76.7	-10.7	Asparagus	4.1	6.3	55.3
Rice	6.1	71.6	1,081.7	Olives and Olive Oil	3.9	5.0	27.7
Celery	62.9	61.6	-2.0	Onions	4.8	4.8	-0.3
Melons	45.7	52.5	15.0	Tangerines and Mandarins	6.0	4.4	-27.0
Tangerines and Mandarins	33.3	51.4	54.2	Oranges and Products	6.5	4.2	-35.5
Cherries	32.8	50.0	52.6	Blueberries	3.9	3.5	-10.4
Lemons	49.0	49.9	1.9	Dry Beans	4.6	2.9	-37.1
Onions	41.0	48.3	17.7	Garlic	2.0	2.5	24.2
Beef and Products ²	39.0	47.9	22.8	Cherries	1.1	1.2	15.2
Pears	26.3	32.7	24.0	Strawberries	2.5	0.9	-63.7
Tomatoes, Fresh	32.4	31.0	-4.3	Table Grapes	1.6	0.6	-62.6
Raisins	32.2	29.4	-8.9				
Dates	22.1	26.5	20.1				
Blueberries	26.0	24.5	-5.6				
Cabbage	18.4	24.1	31.0				
Plums	20.6	23.4	13.4				
Bell and Chili Peppers	26.4	22.7	-14.2				
Prunes	11.8	14.4	21.2				
Sweet Potatoes	16.0	14.2	-11.3				
Garlic	8.0	10.0	24.9				
Grape Juice	9.1	9.7	6.7				
Grapefruit	8.1	8.1	0.0				
Apricots	6.1	7.6	25.3				
Olives and Olive Oil	6.0	6.3	6.2				
Potatoes	6.7	5.5	-17.3				
Figs	5.6	5.2	-6.0				
Mushrooms	3.4	4.8	40.6				
Avocados	4.9	4.5	-8.2				
Hay	4.4	4.0	-8.0				
Artichokes	2.5	2.9	16.7				
Kiwi	3.2	2.6	-17.9				
Asparagus	2.1	2.1	2.5				
Dry Beans	1.8	1.1	-38.5				

Major California Agricultural Exports to the Top 15 Destinations, 2020 and 2021

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021
	2020	2021			2020	2021	
3- China/Hong Kong	1,979.2	2,048.9	3.5	4- Japan	1,546.3	1,698.3	9.8
Pistachios	529.4	761.9	43.9	Rice	263.5	291.7	10.7
Almonds	690.4	360.3	-47.8	Almonds	238.6	256.1	7.3
Dairy and Products	192.0	253.0	31.7	Dairy and Products	152.9	194.2	27.0
Hay	97.1	140.4	44.5	Walnuts	114.5	132.4	15.7
Beef and Products ²	64.4	126.7	96.8	Hay	122.6	127.9	4.3
Wine	85.0	102.8	21.0	Beef and Products ²	98.0	115.7	18.0
Oranges and Products	100.5	102.7	2.2	Oranges and Products	80.1	82.2	2.6
Cotton	66.9	73.3	9.5	Wine	80.5	76.3	-5.3
Cherries	15.6	19.4	25.0	Raisins	56.8	61.4	8.1
Table Grapes	30.9	15.9	-48.4	Tomatoes, Processed	47.6	53.5	12.4
Walnuts	15.0	12.9	-13.7	Lemons	46.2	45.7	-1.2
Prunes	7.6	12.2	60.9	Table Grapes	49.2	42.9	-12.7
Tomatoes, Processed	11.7	11.8	1.2	Pistachios	25.4	41.2	62.4
Plums	14.3	10.4	-27.4	Prunes	29.0	37.4	29.2
Raisins	11.1	10.2	-8.9	Strawberries	30.6	30.6	-0.2
Lemons	12.8	9.1	-29.1	Tangerines and Mandarins	16.9	13.8	-18.0
Rice	7.4	5.5	-26.1	Cherries	7.0	12.2	73.9
Strawberries	4.0	4.2	5.1	Raspberries and Blackberries ³	6.8	11.3	64.9
Avocados	4.3	2.4	-44.9	Kiwi	10.8	10.0	-7.4
Flowers and Nursery	2.0	2.1	6.5	Grapefruit	8.9	6.9	-22.7
Raspberries and Blackberries ³	3.9	2.1	-44.9	Onions	5.1	6.7	33.1
Celery	2.9	1.9	-33.3	Grape Juice	6.1	6.0	-0.9
Peaches and Nectarines	1.0	1.2	18.7	Avocados	9.5	4.5	-53.1
Grape Juice	1.0	1.1	14.2	Cotton	1.4	4.2	204.1
Figs	1.5	0.9	-39.1	Broccoli	6.8	4.2	-38.1
				Garlic	2.9	3.3	15.9
				Cauliflower	3.8	3.1	-18.7
				Asparagus	2.2	2.7	23.2
				Lettuce	2.0	2.5	27.6
				Blueberries	2.7	2.3	-12.9
				Celery	2.8	2.3	-18.0
				Dates	1.4	2.0	46.2
				Melons	1.9	1.6	-17.3
				Olives and Olive Oil	1.8	1.6	-14.6
				Apricots	0.8	1.3	57.1
				Peaches and Nectarines	1.6	1.3	-19.3
				Potatoes	0.9	1.2	37.4
				Flowers and Nursery	0.8	1.0	16.3
				Cottonseed	1.7	0.5	-69.2



Major California Agricultural Exports to the Top 15 Destinations, 2020 and 2021

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021
	2020	2021			2020	2021	
5- Mexico	1,018.4	1,274.3	25.1	6- South Korea	1,139.2	1,253.7	10.1
Dairy and Products	263.6	395.5	50.0	Almonds	182.3	210.8	15.6
Table Grapes	124.5	124.1	-0.3	Dairy and Products	165.4	192.1	16.1
Tomatoes, Processed	88.1	106.1	20.4	Oranges and Products	168.0	186.3	10.9
Almonds	100.2	96.4	-3.7	Rice	152.7	132.1	-13.5
Beef and Products ²	44.2	58.4	31.9	Beef and Products ²	90.1	122.0	35.3
Pistachios	35.6	53.3	49.5	Walnuts	83.2	98.0	17.8
Strawberries	38.2	48.3	26.3	Wine	47.8	66.7	39.4
Dates	27.9	48.0	71.7	Hay	58.5	60.7	3.9
Peaches and Nectarines	21.0	39.6	88.7	Table Grapes	57.5	40.0	-30.5
Walnuts	46.2	36.5	-20.9	Cherries	23.6	29.6	25.6
Rice	26.3	30.4	15.5	Lemons	24.8	25.7	3.6
Flowers and Nursery	23.0	25.3	10.0	Tomatoes, Processed	18.9	24.0	27.4
Oranges and Products	17.0	20.2	18.7	Pistachios	10.4	13.1	25.1
Wine	15.9	20.1	27.0	Raisins	6.5	8.3	27.6
Spinach	16.8	18.5	10.3	Avocados	11.8	7.6	-35.9
Prunes	11.3	16.9	48.8	Prunes	5.7	6.0	6.5
Lettuce	13.0	13.9	7.5	Grapefruit	6.2	5.9	-4.3
Onions	19.5	13.5	-30.8	Blueberries	3.2	4.7	44.1
Raisins	9.4	10.7	13.0	Strawberries	4.1	4.5	7.6
Kiwi	9.2	8.7	-4.9	Cotton	1.8	4.4	152.5
Tangerines and Mandarins	3.0	8.4	180.2	Grape Juice	1.3	1.6	26.5
Pears	5.3	7.9	48.5	Melons	2.0	1.5	-27.4
Carrots	8.0	7.5	-6.2	Celery	1.2	1.2	-1.8
Broccoli	3.9	6.9	75.0	Cottonseed	2.6	1.2	-54.9
Plums	4.2	6.3	52.1	Olives and Olive Oil	1.3	1.1	-19.8
Cherries	1.6	5.9	274.6	Onions	0.4	1.0	168.4
Cauliflower	3.4	5.5	58.4	Lettuce	1.0	0.9	-18.9
Lemons	2.9	5.0	74.0	Tangerines and Mandarins	2.0	0.2	-89.4
Cotton	1.1	4.0	275.8	Raspberries and Blackberries ³	1.2	0.0	-99.4
Olives and Olive Oil	3.2	3.9	23.3				
Garlic	4.3	3.8	-11.9	7- India	999.2	1,031.4	3.2
Raspberries and Blackberries ³	2.6	3.2	23.7	Almonds	824.3	831.2	0.8
Melons	2.1	3.0	45.1	Cotton	72.4	132.7	83.4
Potatoes	4.0	3.0	-24.8	Pistachios	19.3	30.9	60.3
Celery	1.8	2.9	65.1	Walnuts	69.1	22.0	-68.2
Figs	1.6	2.3	41.1	Dairy and Products	7.5	5.8	-22.8
Apricots	1.2	2.0	67.5	Tomatoes, Processed	3.2	5.0	56.6
Sweet Potatoes	1.0	1.5	39.4	Wine	0.6	1.0	61.5
Grapefruit	0.4	1.4	294.5				
Cottonseed	3.3	1.3	-62.0	8- United Arab Emirates	384.3	457.0	18.9
Cabbage	0.7	1.1	50.1	Almonds	194.2	278.9	43.6
Blueberries	1.4	0.8	-45.1	Walnuts	90.3	80.7	-10.6
Artichokes	1.9	0.6	-68.7	Pistachios	20.2	20.1	-0.6
				Tomatoes, Processed	12.9	18.2	41.8
				Dairy and Products	14.4	16.6	15.2
				Hay	15.9	9.7	-39.0
				Strawberries	8.7	7.5	-13.3
				Wine	2.6	6.4	143.1
				Rice	9.4	4.5	-51.7
				Raspberries and Blackberries ³	4.8	4.4	-6.6
				Beef and Products ²	2.1	2.9	39.0
				Flowers and Nursery	1.2	1.4	16.5
				Table Grapes	2.5	1.0	-60.2
				Dates	1.1	1.0	-15.3

Major California Agricultural Exports to the Top 15 Destinations, 2020 and 2021

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹			Percent Change 2020 to 2021	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021
	2020	2021	2020			2021		
9- Taiwan	360.7	411.2	14.0		11- Vietnam	287.8	348.7	21.2
Dairy and Products	80.1	102.3	27.7		Dairy and Products	65.8	105.3	60.1
Table Grapes	46.8	39.7	-15.2		Pistachios	49.3	71.6	45.1
Almonds	27.8	37.2	33.4		Almonds	65.6	66.6	1.5
Beef and Products ²	28.5	33.5	17.7		Cotton	19.8	31.8	60.8
Rice	26.8	33.3	24.3		Table Grapes	37.4	28.5	-24.0
Walnuts	23.7	25.6	7.8		Walnuts	19.4	22.6	16.2
Hay	15.0	16.4	9.8		Raisins	7.2	5.7	-21.6
Wine	12.7	16.2	27.5		Oranges and Products	4.1	5.0	22.8
Lettuce	14.6	13.3	-9.1		Cherries	5.1	3.5	-32.7
Peaches and Nectarines	9.2	12.6	36.9		Beef and Products ²	4.1	3.0	-26.4
Cherries	9.2	12.4	35.4		Wine	6.7	2.2	-67.4
Oranges and Products	10.1	12.3	21.3					
Raisins	7.3	10.1	39.0		12- Turkey	281.0	286.4	1.9
Tomatoes, Processed	7.8	7.7	-1.2		Almonds	137.9	134.4	-2.5
Pistachios	8.8	6.8	-22.6		Walnuts	98.2	96.1	-2.1
Lemons	2.0	3.7	85.7		Pistachios	11.6	30.7	165.2
Cauliflower	3.9	3.4	-12.7		Cotton	13.7	21.0	53.1
Plums	5.6	3.3	-40.2		Rice	14.3	0.5	-96.8
Celery	3.1	3.3	5.9		Raisins	1.3	0.4	-73.9
Avocados	2.9	2.4	-17.7		Tomatoes, Processed	2.3	0.0	-100.0
Cotton	1.1	2.3	116.4					
Onions	2.0	2.2	6.1		13- Australia	285.9	267.0	-6.6
Raspberries and Blackberries ³	1.2	1.7	40.1		Dairy and Products	78.9	78.8	0.0
Broccoli	1.7	1.6	-6.0		Table Grapes	35.8	33.8	-5.7
Prunes	1.2	1.2	1.3		Walnuts	23.8	22.3	-6.5
Strawberries	1.0	0.9	-10.5		Oranges and Products	26.4	19.8	-25.0
Potatoes	1.5	0.9	-42.4		Dates	15.8	18.8	19.3
Grape Juice	1.1	0.7	-34.4		Pistachios	22.1	18.6	-16.1
Melons	1.0	0.5	-52.1		Almonds	20.0	11.2	-43.8
					Tomatoes, Processed	8.9	10.4	17.0
10- Philippines	305.1	356.8	16.9		Rice	10.8	10.2	-5.5
Dairy and Products	245.1	293.0	19.5		Wine	6.8	7.9	17.1
Wine	7.9	18.1	128.7		Lemons	8.7	6.2	-28.8
Table Grapes	21.1	12.5	-40.9		Raisins	5.7	4.9	-14.2
Raisins	6.1	9.3	53.0		Kiwi	0.1	4.3	2,927.1
Oranges and Products	3.8	3.9	2.9		Prunes	3.2	3.6	14.1
Almonds	3.5	3.7	6.6		Cherries	1.7	3.1	83.4
Beef and Products ²	2.9	3.3	13.3		Peaches and Nectarines	3.7	2.9	-21.1
Tomatoes, Processed	3.5	2.9	-17.1		Asparagus	1.6	2.3	40.1
Walnuts	1.4	1.6	12.8		Tangerines and Mandarins	3.5	2.0	-41.0
Garlic	1.1	1.0	-0.9		Onions	1.3	1.1	-21.2
Onions	0.9	1.0	11.6		Garlic	1.6	1.0	-38.1
Strawberries	0.9	1.0	14.2		Blueberries	1.0	0.7	-28.4
Lemons	1.2	0.5	-61.0					

Major California Agricultural Exports to the Top 15 Destinations, 2020 and 2021

Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021	Commodities ¹ and Destinations	Approximate Export Value \$1 Million ¹		Percent Change 2020 to 2021
	2020	2021			2020	2021	
14- Indonesia	189.1	188.4	-0.4	15- Saudi Arabia	234.9	178.4	-24.0
Dairy and Products	136.0	130.2	-4.2	Pistachios	46.5	43.6	-6.2
Table Grapes	13.5	13.2	-2.2	Almonds	61.7	41.5	-32.8
Almonds	10.2	12.5	21.6	Strawberries	14.3	23.9	67.1
Cotton	3.6	6.2	72.2	Hay	23.3	15.6	-33.0
Beef and Products ²	3.9	6.1	55.7	Rice	43.3	15.5	-64.3
Oranges and Products	3.4	3.7	8.7	Dairy and Products	17.3	14.9	-14.0
Dates	3.6	3.6	-1.2	Walnuts	9.9	9.1	-8.4
Onions	3.1	3.1	-0.1	Raspberries and Blackberries ³	6.7	5.8	-13.2
Raisins	1.7	2.5	49.4	Tomatoes, Processed	3.6	3.5	-3.1
Tomatoes, Processed	1.3	1.6	21.9	Cottonseed	1.1	0.8	-27.0
Wine	1.2	1.4	18.3	Lemons	1.0	0.8	-20.2
Lemons	2.5	1.3	-50.5	Raisins	2.5	0.6	-77.2
Garlic	1.3	0.4	-70.7	Oranges and Products	1.3	0.3	-80.2

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 include those commodities with export values less than \$2 million.

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

³ "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 European Union (EU), 2020 and 2021

(Approximate Export Value, \$1 Million)

2021

Rank	European Union (EU-28) Member ¹	Almonds	Wine	Pistachios	Walnuts	Raisins	Other Principal Products ²	Total ³
1	Germany	273	26	260	215	6	24	804
2	Spain	444	1	105	108	0	6	665
3	Netherlands	247	15	46	58	3	88	456
4	United Kingdom ⁴	78	193	41	30	2	50	393
5	Italy	196	2	47	72	0	41	359
6	Belgium	52	21	143	6	0	20	242
7	France	61	37	28	1	0	6	133
8	Denmark	19	35	0	3	2	1	60
9	Sweden	13	24	0	2	11	4	54
10	Greece	30	1	2	3	0	4	40
	Other EU Members ⁵	111	11	56	6	5	38	227
	Total ³	1,524	366	728	504	29	282	3,434

2020

Rank	European Union (EU-28) Member ¹	Almonds	Wine	Pistachios	Walnuts	Raisins	Other Principal Products ²	Total ³
1	Germany	300	31	224	183	11	29	779
2	Spain	475	1	99	82	0	8	665
3	United Kingdom ⁴	99	248	34	35	4	55	476
4	Netherlands	243	16	41	55	3	80	437
5	Italy	210	1	36	62	0	54	363
6	Belgium	54	31	166	0	0	19	271
7	France	81	34	30	2	0	8	156
8	Denmark	18	43	0	4	2	1	68
9	Sweden	18	19	1	3	12	5	59
10	Greece	34	0	1	2	0	3	41
	Other EU Members ⁶	101	16	30	5	5	27	184
	Total ³	1,634	441	662	435	37	290	3,498

¹ The EU-28 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 This list includes the United Kingdom which withdrew from the European Union on January 31, 2020.

⁵ The other 18 EU members in 2021 include: Austria, Bulgaria, Cyprus, Croatia, Czech Republic, Estonia, Finland, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovak Republic, and Slovenia. These countries combined account for 7 percent of California agricultural exports to the EU in 2021.

⁶ The other 18 EU members in 2020 include: Austria, Bulgaria, Cyprus, Croatia, Czech Republic, Estonia, Finland, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovak Republic, and Slovenia. These countries combined account for 5 percent of California agricultural exports to the EU in 2020.

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

Ratio of California Farm Quantity Exported to Farm Quantity Produced, 2020 and 2021

(Export Volumes in Farm Weight Basis)

Commodity		2020		Ratio of Quantity Exported to Quantity Produced	2021		Ratio of Quantity Exported to Quantity Produced
		Quantity Exported ¹	Quantity Produced		Quantity Exported ¹	Quantity Produced	
		<i>Farm-Gate Units</i>	<i>1,000 Farm-Gate Units</i>		<i>1,000 Farm-Gate Units</i>		
Almonds	cwt.	18,098	31,150	0.58	19,242	29,150	0.66
Apples ²	cwt.	483	2,277	0.21	552	2,117	0.26
Apricots	short tons	13	31	0.43	18	38	0.48
Artichokes	cwt.	59	793	0.07	42	833	0.05
Asparagus ²	cwt.	3	109	0.03	6	132	0.05
Avocados	short tons	13	188	0.07	9	135	0.06
Beef and Products ³	liveweight cwt.	1,852	22,765	0.08	2,111	22,766	0.09
Blueberries	cwt.	201	789	0.25	209	742	0.28
Broccoli ²	cwt.	1,196	14,248	0.08	1,383	12,273	0.11
Cabbage	cwt.	228	5,863	0.04	251	5,402	0.05
Carrots ²	cwt.	1,747	24,723	0.07	1,782	25,149	0.07
Cauliflower ²	cwt.	1,990	7,783	0.26	2,269	7,074	0.32
Celery	cwt.	2,163	16,112	0.13	2,036	15,275	0.13
Cherries ²	short tons	19	64	0.29	31	95	0.33
Cotton	bales	603	615	0.98	572	374	1.53
Cottonseed and Byproducts	short tons	38	214	0.18	20	128	0.16
Dairy and Products ⁴	cwt.	125,175	413,110	0.30	143,508	418,640	0.34
Dates ²	cwt.	304	1,245	0.24	327	1,177	0.28
Prunes	short tons	109	183	0.59	132	220	0.60
Dry Beans	cwt.	323	786	0.41	177	407	0.43
Eggs	100-dozens	179	3,277	0.05	331	3,350	0.10
Figs	short tons	6	14	0.43	7	15	0.43
Garlic	cwt.	381	3,458	0.11	374	4,192	0.09
Grapefruit ²	short tons	65	168	0.39	65	164	0.40
Grapes, All ⁵	short tons	1,324	5,395	0.25	1,199	4,952	0.24
Hay ²	short tons	1,183	3,420	0.35	1,224	3,700	0.33
Kiwi	short tons	12	40	0.29	11	40	0.27
Lemons ²	76 lb. boxes	2,766	21,400	0.13	2,537	24,900	0.10
Lettuce	cwt.	4,264	63,811	0.07	4,493	55,099	0.08
Melons	cwt.	1,775	13,635	0.13	1,792	13,563	0.13
Olives and Olive Oil	short tons	31	68	0.45	32	101	0.32
Onions	cwt.	4,201	18,399	0.23	4,027	19,007	0.21
Oranges and Products ²	short tons	599	1,960	0.31	553	1,616	0.34
Peaches and Nectarines	cwt.	951	11,720	0.08	1,242	12,317	0.10
Pears	short tons	24	114	0.21	30	145	0.21
Peppers, Bell and Chili	cwt.	331	6,813	0.05	323	4,476	0.07
Pistachios ²	cwt., in shell	4,528	10,450	0.43	5,908	11,550	0.51
Plums	short tons	24	97	0.24	23	81	0.28
Potatoes ²	cwt.	881	12,861	0.07	714	11,049	0.06
Raspberries and Blackberries ^{2,6}	cwt.	437	1,530	0.29	462	1,305	0.35
Rice	cwt.	22,054	44,810	0.49	19,038	36,653	0.52
Spinach	cwt.	737	5,052	0.15	792	5,174	0.15
Strawberries	cwt.	2,580	23,750	0.11	2,625	24,150	0.11
Sweet Potatoes	cwt.	1,542	7,920	0.19	1,459	6,105	0.24
Tangerines and Mandarins	short tons	46	1,152	0.04	57	696	0.08
Tomatoes, Fresh	cwt.	408	6,551	0.06	444	6,720	0.07
Tomatoes, Processed	short tons	2,852	11,312	0.25	2,927	10,775	0.27
Turkey	liveweight cwt.	90	2,320	0.04	88	1,914	0.05
Walnuts	short tons	450	785	0.57	433	725	0.60
Wheat	bushels	1,123	7,854	0.14	1,484	9,580	0.15
Weighted Average⁷				0.32			0.32

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 2020 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