



HAWAII MACADAMIA NUTS

Final Season Estimates

FREQUENCY: January & July

RELEASED: July 8, 2002

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2001-2002 MACADAMIA NUT HARVEST AND VALUE HIGHER

Hawaii's 2001-2002 macadamia nut crop is estimated at **56.0** million pounds net, wet-in-shell, 6.0 million pounds above last season's crop, according to the Hawaii Agricultural Statistics Service (HASS). Weather conditions had variable effects on orchards depending on location. Orchards in drier areas experienced a decline in useable nuts, but



National Agricultural Statistics Service

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MACADAMIA NUTS: Harvested Acreage and Net Production, State of Hawaii, 1946-01 Seasons

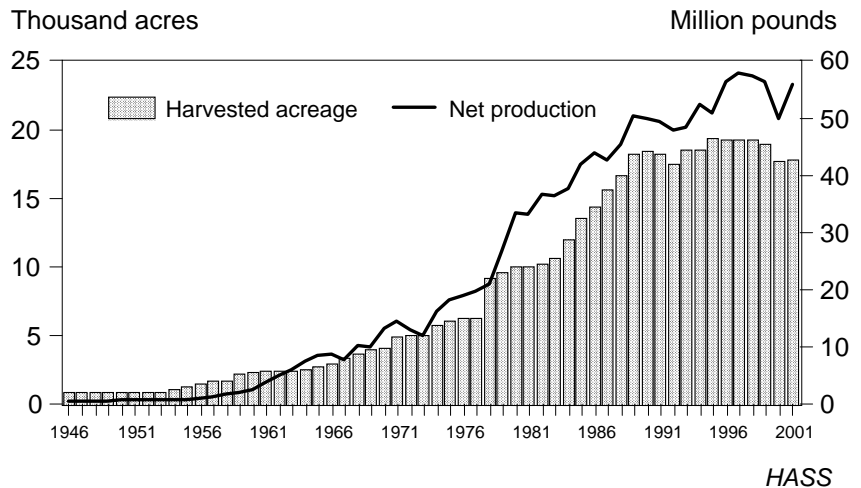


Table 1. MACADAMIA NUTS: Number of farms, acreage, yield, production, moisture, price, and value, State of Hawaii, 1997-2001 crop years

Crop year ¹	Farms	Acreage		Yield per acre ³	Production ⁴		Average moisture		Farm prices ⁴		Farm value ⁸
		In crop	Harvested ²		Gross ⁵	Net ⁶	Entire crop	Purchases only	Gross ⁷	Net	
	Number	Acres	Acres	1,000 pounds			Percent	Percent	Cents per pound	Cents per pound	1,000 dollars
1997-98	800	20,200	19,200	3.0	65,000	58,000	19.5	19.6	66.9	75.0	43,500
1998-99	800	20,200	19,200	3.0	66,000	57,500	20.5	20.8	57.0	65.0	37,375
1999-00	750	19,900	18,900	3.0	64,000	56,500	19.3	19.3	59.1	67.0	37,855
2000-01	650	18,400	17,700	2.8	56,000	50,000	21.0	21.0	52.7	59.0	29,500
2001-02	650	18,000	17,800	3.1	62,000	56,000	21.2	21.9	52.4	58.0	32,480

¹ Season begins July 1st and ends June 30th of the following year. ² Called bearing acreage prior to 1993-94 crop year. ³ Net production per bearing acre. ⁴ Wet in-shell basis, delivered to processors. ⁵ Gross pounds delivered for processing. ⁶ Gross pounds delivered for processing less total spoilage. ⁷ Farm value divided by gross production. ⁸ Net production multiplied by net farm price.

MORE ON THE 2001-2002 SEASON

Continued from Page 1 . . .

improved yields in orchards in areas of normally high rainfall were more than offsetting. Rains that fell in late 2001 and early 2002 benefitted orchard conditions and prospects for the 2002-2003 crop in the drier areas. Lower prices in recent years have caused some smaller growers to switch from macadamia nuts to other crops. Overall yields averaged 3,150 pounds per acre (net, wet in-shell), up 330 pounds from the previous season. The average moisture content for this crop season was 21.2 percent compared with 21.0 for the 2000-2001 crop.

TOTAL ACREAGE DOWN, HARVESTED UP

Total acreage in crop dropped 400 acres from the previous year to 18,000 acres, the lowest since the 1984 -1985 crop year. Virtually all acreage was harvested, totaling 17,800 acres, up 100 from a year ago. The statewide estimate of macadamia nut trees totaled 1.3 million.

FARM PRICE DECREASES BUT VALUE INCREASES

The farm price for net, wet in-shell macadamia nuts averaged 58.0 cents per pound this season, down 1.0 cent from the previous season average, and the lowest since the 1979 -1980 crop. The farm value for the 2001-2002 crop is estimated at \$32.5 million, up 10 percent from last year. On-going foreign competition continued to put downward pressure on Hawaii grower prices.

SITUATION AND OUTLOOK FOR MACADAMIA NUTS

World Horticultural Trade &

U.S. Export Opportunities

April 2002

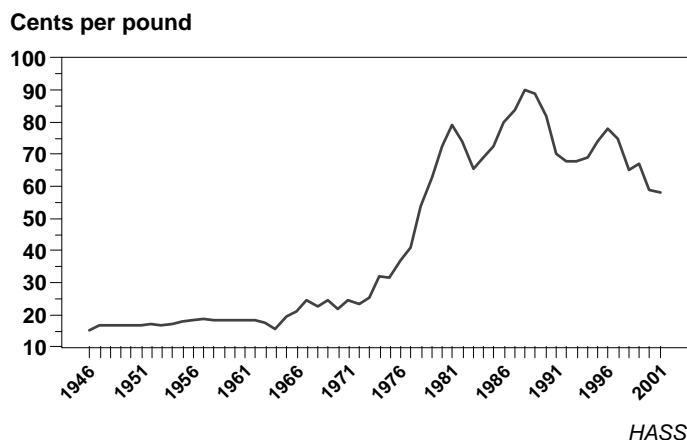
Macadamia nut prices continue to fall in the United States as a result of world oversupply. Total world supplies are forecast at a record 118,688 tons for 2001/02, up 8 percent from last year. Forecasted acreage and yield increases in Australia and South Africa, the world's first and third largest producers, respectively, are expected to increase world supplies even more in 2002/03. The lingering effects of the economic crisis in Asia, the largest regional market for U.S. exports, are disappearing. However, stiff competition from other macadamia producing countries and a strong U.S. currency continue to weaken demand for U.S. exports. Exports from selected countries are forecast to increase 16 percent to a record 58,952 tons. Australia remains the world's largest exporter of macadamias, accounting for 46 percent of total world exports. The United States, the world's second largest producer, is the largest single export market for Australia, South Africa, Guatemala, Brazil, and Costa Rica.

For the full report go to :

<http://www.fas.usda.gov/hp/circular/2002/02-04/Mac.htm>

Source: Foreign Agricultural Service, USDA

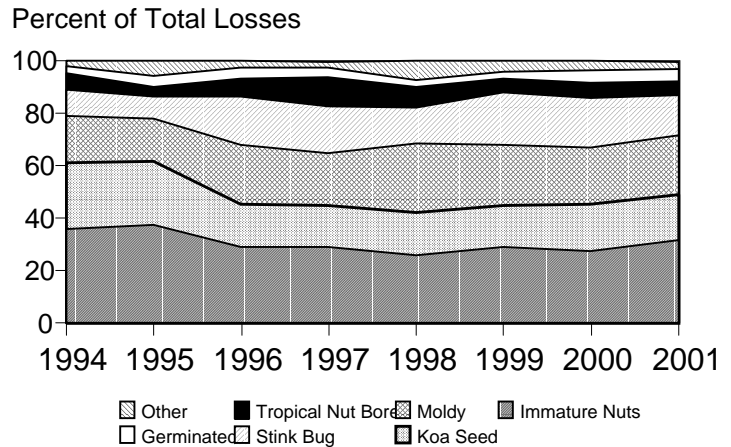
MACADAMIA NUTS: Net Wet-In-Shell Farm Prices, State of Hawaii, 1946-01 Seasons



MACADAMIA NUT LOSSES LOWER, VALUE UNCHANGED

Growers delivered an estimated 62.0 million pounds of macadamia nuts, wet in-shell, to processors during the 2001-2002 crop season, of which processors culled about 10 percent, resulting in 56.0 million pounds net, wet in-shell. The equivalent gross weight of losses, after adjusting for what would be the expected weight before the damage, was 9.2 million pounds up 2 percent from the 2000-2001 crop season. However, the overall loss percentage to the crop was down 8 percent to 14.8. The equivalent farm level value of the losses after the weight adjustments was \$5.3 million, changed from 2000-2001. Macadamia nut losses shown in this report include only those culled by processors and do not include losses that were culled at the farm before delivery. Immature nuts continued to be the greatest contributor toward crop loss, and industry experts cite the prolong dry weather for the increase from the previous season.

MACADAMIA NUTS: Loss By Cause (1)
State of Hawaii, 1994-01 Season



HASS

Table 2. MACADAMIA NUTS: Loss by cause, State of Hawaii, 2001-02

Type of loss	Estimated loss ¹		Percent of losses		Percent of delivered crop		Dollar value of grower loss	
	2000-01	2001-02	2000-01	2001-02	2000-01	2001-02	2001-01	2001-02
	<i>1000 pounds</i>		<i>Percent</i>				<i>1,000 dollars</i>	
Immature nuts ²	2,513	2,903	27.8	31.7	4.5	4.7	1,483	1,684
Germinating nuts	433	403	4.8	4.4	.8	.7	255	234
Moldy, rotten	1,936	2,119	21.5	23.1	3.5	3.4	1,142	1,229
Stink bug	1,707	1,370	18.9	14.9	3.0	2.2	1,007	795
Koa seed worm	1,585	1,597	17.6	17.4	2.8	2.6	935	926
Tropical nut borer ³	530	518	5.9	5.6	.9	.8	313	301
Other causes ⁴	318	264	3.5	2.9	.6	.4	188	153
Total	9,022	9,174	100.0	100.0	16.1	14.8	5,323	5,322

¹ Includes only losses for nuts completely rejected for processing. Does not include nuts with some damage but still utilized. Adjustments were made to reported weights to account for damage that would lower kernel weights and have the effect of underestimating the actual amount of loss. The adjustment factors were provided by Dr. H. C. Bittenbender and Dr. Vince Jones, CTAHR, University of Hawaii and were applied to both crop years. Excludes losses in the field or culled before delivery.

² Includes naturally occurring premature drop.

³ Formerly called Shothole borer.

⁴ Includes bacterial nuts, hollow center, etc. Excludes rodent damage.



U.S. TREE NUT REPORT

U.S. Nut Production Up 21 Percent, Value Virtually Unchanged

The 2001 U.S. nut production (in-shell basis) rose to 1.31 million tons, a 21 percent increase from a year earlier. The pistachio crop totaled 80,500 tons dropping 34 percent from the record high crop of 121,500 tons realized in 2000. Almond production totaled 677,000 tons, up 18 percent from 2000. Hazelnut production for the 2001 crop totaled 49,500 tons, more than double the 2000 crop of 22,500 tons. Walnut production totaled 305,000 tons, a 28 percent increase from the previous year. Macadamia production, at 28,000 tons, was up 12 percent from 2000. Pecan production totaled 169,300 tons, a 61 percent increase from 2000.

The 2001 U.S. value of utilized nut production increased to 1.50 billion dollars, virtually unchanged from the previous 2 years. The almond value was up 10 percent from 2000. Almonds make up 49 percent of the 2001 total nut value. Pistachios decreased in value by 35 percent due to the drop in production. Hazelnut value increased 73 percent to 34.7 million dollars from the 2000 value. The pecan crop translated into a 16 percent decrease in value due to a 48 percent drop in price per pound. The macadamia value increased 10 percent from last season, to 32.5 million dollars.

Table 3. U.S. NUT CROPS: Production, price, value, and utilization, 2000-2001

Crop State	Production		Price per unit		Value of utilized production		Utilization				Meat production of nuts sold shelled	
	2000	2001	2000	2001	2000	2001	Sold in-shell		Sold shelled ¹		2000	2001
	<i>Tons (in-shell basis)</i>		<i>Dollars per ton</i>		<i>1,000 dollars</i>		<i>----- Tons (in-shell basis) -----</i>					
HAZELNUTS (FILBERTS)												
Oregon	22,300	49,500	890.00	701.00	19,847	34,700	13,800	32,500	8,500	17,000	3,410	6,800
Washington ²	200		960.00		192		125		75		30	
Total	22,500	49,500	891.00	701.00	20,039	34,700	13,925	32,500	8,575	17,000	3,440	6,800
WALNUTS (ENGLISH)												
California	239,000	305,000	1,240.00	1,120.00	296,360	341,600	64,000	80,000	175,000	225,000	75,000	95,000
	<i>1,000 pounds (In-shell basis)</i>		<i>Dollars per pound</i>									
PISTACHIOS												
California	243,000	161,000	1.01	.99	245,430	159,390	190,000	127,000	53,000	34,000	24,900	17,300
MACADAMIA NUTS												
Hawaii	50,000	56,000	.59	.58	29,500	32,480						
	<i>1,000 pounds (Shelled basis)</i>											
ALMONDS³												
California	703,000	830,000	.97	.90	666,487	731,880						
PECANS												
U.S.							21,850	24,600	188,000	313,900	83,000	135,000

¹ In-shell basis.

² Estimates discontinued in 2001.

³ Price and value are based on the edible portion of the crop only. Production includes inedible quantities of no value as follows: 2000 - 28.1 million pounds and 2001 - 34.0 million pounds.

HISTORICAL DATA

Table 4. MACADAMIA NUTS: Acreage, yield, production, price, and value, State of Hawaii, 1946-01

Year ¹	Acreage		Yield per acre ²	Production ³		Farm price ³		Farm value ⁷
	In crop	Harvested		Gross ⁴	Net ⁵	Gross ⁶	Net	
	----- Acres -----		----- 1,000 pounds -----		----- Cents per pound -----		1,000 dollars	
1946-47	950	860	.7	NA	630	NA	15.2	96
1947-48	1,340	860	.8	NA	680	NA	16.9	115
1948-49	1,530	860	.8	NA	700	NA	17.0	119
1949-50	1,710	860	.8	NA	680	NA	16.9	115
1950-51	2,150	860	.9	NA	755	NA	17.0	128
1951-52	2,300	840	1.0	NA	850	NA	16.9	144
1952-53	2,770	840	1.1	NA	965	NA	17.1	165
1953-54	2,900	830	1.2	NA	970	NA	17.0	165
1954-55	3,030	1,080	.9	NA	930	NA	17.1	159
1955-56	3,030	1,300	.7	NA	903	NA	17.9	162
1956-57	3,200	1,470	.7	NA	1,027	NA	18.4	189
1957-58	3,120	1,680	.8	NA	1,329	NA	18.7	248
1958-59	3,290	1,750	1.0	NA	1,832	NA	18.5	339
1959-60	3,840	2,220	1.0	NA	2,102	NA	18.2	382
1960-61	3,820	2,300	1.1	NA	2,569	NA	18.4	472
1961-62	3,880	2,430	1.6	NA	3,751	NA	18.5	693
1962-63	4,100	2,460	2.1	NA	5,182	NA	18.4	954
1963-64	4,110	2,390	2.5	NA	6,003	NA	17.7	1,061
1964-65	4,510	2,520	3.1	NA	7,639	NA	15.6	1,192
1965-66	5,410	2,780	3.1	NA	8,522	NA	19.4	1,651
1966-67	6,700	2,950	3.0	NA	8,715	NA	21.0	1,830
1967-68	7,980	3,340	2.4	NA	7,966	NA	24.6	1,960
1968-69	8,520	3,680	2.8	NA	10,436	NA	22.8	2,379
1969-70	8,690	4,030	2.5	NA	10,049	NA	24.6	2,472
1970-71	8,735	4,115	3.2	NA	13,216	NA	21.7	2,868
1971-72	9,170	4,900	2.9	NA	14,448	NA	24.7	3,569
1972-73	9,250	5,000	2.6	NA	13,110	NA	23.3	3,055
1973-74	10,450	5,080	2.4	NA	12,124	NA	25.5	3,092
1974-75	9,890	5,760	2.8	NA	16,370	NA	32.0	5,238
1975-76	10,400	6,080	3.0	NA	18,210	NA	31.6	5,754
1976-77	10,250	6,300	3.0	NA	18,990	NA	36.9	7,007
1977-78	9,895	6,300	3.1	NA	19,680	NA	40.8	8,030
1978-79	10,200	9,200	2.3	NA	20,980	NA	53.8	11,287
1979-80	11,400	9,600	2.8	NA	26,660	NA	62.9	16,769
1980-81	13,300	10,000	3.3	NA	33,390	NA	72.4	24,174
1981-82	14,000	10,000	3.3	NA	33,360	NA	79.3	26,454
1982-83	15,600	10,200	3.6	NA	36,720	NA	73.9	27,136
1983-84	16,400	10,600	3.4	38,500	36,420	62.2	65.7	23,928
1984-85	17,500	12,000	3.1	40,500	37,700	64.4	69.2	26,088
1985-86	20,900	13,500	3.1	44,700	42,000	68.1	72.5	30,450
1986-87	21,200	14,400	3.1	46,600	44,000	75.5	80.0	35,200
1987-88	21,500	15,600	2.7	45,600	42,700	78.7	84.0	35,868
1988-89	21,900	16,600	2.7	49,000	45,500	83.6	90.0	40,950
1989-90	22,300	18,200	2.8	54,000	50,500	83.2	89.0	44,945
1990-91	22,600	18,400	2.7	54,300	50,000	75.5	82.0	41,000
1991-92	22,500	18,200	2.7	53,900	49,500	64.3	70.0	34,650
1992-93	20,500	17,500	2.7	53,000	48,000	61.6	68.0	32,640
1993-94	20,100	18,500	2.6	53,000	48,500	62.2	68.0	32,980
1994-95	20,200	18,500	2.8	58,000	52,500	62.5	69.0	36,225
1995-96	20,300	19,300	2.6	57,000	51,000	66.2	74.0	37,740
1996-97	20,200	19,200	2.9	63,000	56,500	70.0	78.0	44,070
1997-98	20,200	19,200	3.0	65,000	58,000	66.9	75.0	43,500
1998-99	20,200	19,200	3.0	66,000	57,500	57.0	65.0	37,375
1999-00	19,900	18,900	3.0	64,000	56,500	59.1	67.0	37,855
2000-01	18,400	17,700	2.8	56,000	50,000	52.7	59.0	29,500
2001-02	18,000	17,800	3.1	62,000	56,000	52.4	58.0	32,480

¹ Season begins July 1st and ends June 30th of the following year. ² Net production per bearing acre. ³ Wet in-shell basis, delivered to processors. ⁴ Gross pounds delivered for processing. ⁵ Gross pounds delivered for processing less total spoilage. ⁶ Farm value divided by gross production. ⁷ Net production multiplied by net farm price.

U.S. IMPORTS

Table 5. U.S. Macadamia nut imports, by type, January - December 2000-2001

Name of city	2001					2000	
	Port of entry		Country of origin			Quantity	Custom value
	Quantity	Custom value	Name of country	Quantity	Custom value		
<i>Metric tons</i>	<i>U.S. dollars</i>		<i>Metric tons</i>	<i>U.S. dollars</i>	<i>Metric tons</i>	<i>U.S. dollars</i>	
SHELLED OR BLANCHED ¹							
Harmonized number: 0802.90.9810							
Detroit	9	57,641	Colombia	39	231,694	5,546	34,599,730
Los Angeles	905	6,098,967	Guatemala	465	3,583,712		
Miami	424	3,326,980	Costa Rica	177	1,265,762		
New York City	622	3,412,767	Brazil	325	1,626,404		
Tampa	32	220,161	Zimbabwe	60	335,400		
San Francisco	1,356	8,743,673	Mainland China	338	2,295,818		
Houston	610	3,065,582	Australia	1,944	12,951,188		
Honolulu	33	202,659	Kenya	135	784,312		
Columbia-Snake	390	2,202,249	Rep. of S.A.F.	1,427	7,993,222		
Chicago	159	1,103,478	Malawi	136	717,008		
Seattle	33	190,166					
Buffalo	28	154,119					
Charleston	32	125,862					
Norfolk	211	1,387,332					
Savannah	14	83,435					
Philadelphia	190	1,409,449					
Total ²	5,048	31,784,520		5,048	31,784,520	5,546	34,599,730
NOT SHELLED							
Harmonized number: 0802.90.8010							
San Juan	*	3,456	Rep. of S.A.F.	31	223,724	114	713,786
Houston	10	52,800	Costa Rica	58	339,709		
San Francisco	*	7,215	Australia	1	15,305		
New York City	16	114,888					
Los Angeles	15	116,926					
Tampa	48	283,453					
Total ²	90	578,738		90	578,738	114	713,786
PICKLED OR OTHERWISE PREPARED OR PRESERVED							
Harmonized number: 2008.19.9010							
Detroit	105	337,878	Indonesia	1	2,046	195	1,039,416
Miami	*	2,944	Kenya	14	116,025		
Buffalo	*	8,840	Costa Rica	*	2,944		
Los Angeles	15	118,071	Canada	103	333,555		
Seattle	5	24,413	Rep. of S.A.F.	8	37,576		
Total ²	126	492,146		126	492,146	195	1,039,416

The conversion for 1 metric ton = 2,204.6 pounds.

* = less than 1,000 pounds.

¹ Since June 1997, 0802.90.9010 was changed to 0802.90.9810. ² Totals may not add due to rounding. Source: U.S. Department of Commerce.

Table 6. U.S. Macadamia nut imports, by type, 1984-2001

Year	Type		
	Shelled or blanched	Pickled or otherwise prepared or preserved	Not shelled
<i>Metric tons</i>			
1984	455	5	0
1985	687	31	0
1986	748	32	0
1987	948	107	0
1988	1,088	105	95
1989	1,927	307	86
1990	2,159	126	49
1991	1,427	96	39
1992	1,775	49	28
1993	2,047	84	131
1994	1,726	95	56
1995	2,597	76	34
1996	2,481	70	14
1997	¹ 2,325	63	266
1998	3,459	40	60
1999	4,730	109	109
2000	5,546	195	114
2001	5,048	126	90

Source: U.S. Department of Commerce. ¹ Revised.

Table 7. U.S. Macadamia nut imports, by country of origin, 2001

Country of origin	Type			Total
	Shelled or blanched	Pickled or otherwise prepared or preserved	Not shelled	
<i>Metric tons</i>				
Australia	1,944	0	1	1,945
Brazil	325	0	0	325
Canada	0	103	0	103
Colombia	39	0	0	39
Costa Rica	177	0	58	235
Guatemala	465	0	0	465
Indonesia	0	1	0	1
Kenya	135	14	0	149
Mainland China	338	0	0	338
Malawi	136	0	0	136
Rep. of S. Africa	1,427	8	31	1,466
Zimbabwe	60	0	0	60
Total ¹	5,048	126	90	5,264

Source: U.S. Department of Commerce.

¹ Totals may not add due to rounding.

U.S. EXPORTS

Table 8. U.S. Macadamia nut exports, by country of destination, 2000-2001
Harmonized number: 2008.19.9010

Country of destination	2000		2001	
	Quantity	F.A.S. value	Quantity	F.A.S. value
	<i>Pounds</i>	<i>U.S. dollars</i>	<i>Pounds</i>	<i>U.S. dollars</i>
Bahrain	428	3,433	344	3,299
Barbados	538	2,520	0	0
Canada	328,699	872,906	1,071,074	2,836,893
Chile	0	0	4,050	20,048
Mainland China	167,847	665,394	71,321	363,593
Congo	9,661	70,166	0	0
Costa Rica	20,053	49,056	17,767	67,541
Denmark	9,819	62,273	0	0
El Salvador	1,133	2,773	0	0
Fed Rep of Germany	9,632	36,600	489	4,095
France	33,598	75,466	21,303	44,164
Guatemala	14,493	42,456	1,576	4,180
Honduras	1,133	2,752	0	0
Hong Kong	¹ 140,396	¹ 699,624	74,399	455,122
India	20,249	100,238	0	0
Indonesia	0	0	9,001	41,182
Ireland	7,595	50,119	0	0
Israel	18,501	85,000	0	0
Japan	¹ 1,483,879	¹ 6,620,621	1,425,029	6,535,610
Liberia	20,249	100,238	0	0
Luxembourg	0	0	35,750	92,843
Malaysia	0	0	44,551	220,523
Mexico	0	0	15,765	46,482
Netherlands	51,158	228,906	25,397	111,130
New Zealand	4,486	37,029	0	0
Niger	20,249	100,238	4,050	20,048
Norway	3,018	11,466	0	0
Panama	3,175	8,302	0	0
Republic of Korea	94,934	483,243	134,088	527,215
Republic of Philippines	24,101	166,638	53,649	266,375
Singapore	31,696	243,804	79,787	326,937
Spain	0	0	9,921	28,125
Taiwan	¹ 123,550	¹ 642,973	103,301	358,541
Thailand	¹ 31,096	¹ 142,253	1,415	17,432
Trinidad & Tobago	2,482	11,423	2,976	9,022
Turkey	840	7,361	0	0
United Arab Emirates	132	3,072	0	0
United Kingdom	38,100	168,744	0	0
Total	¹2,716,920	¹11,797,087	3,207,003	12,400,400

¹ Revised. F.A.S. = Free Along Side. Source: U.S. Department of Commerce.