



United States Department of Agriculture  
National Agricultural Statistics Service



Pacific Region – Hawaii  
Noncitrus Fruits and Nuts

The Pacific Region Includes the States of CA, HI and NV  
In Cooperation with the Hawaii Departments of Agriculture  
Pacific Regional Office · Hawaii · 300 Ala Moana Blvd Suite 7-118 · Honolulu, HI 96850  
(800) 804-9514 · Fax (844) 332-7146 · www.nass.usda.gov/hi

Released: May 4, 2022

**Avocado Bearing Acreage, Yield, Production, Price, and Value - States and United States: 2019-2021**

State	Bearing acreage			Yield per acre		
	2019	2020	2021	2019	2020	2021
	(acres)	(acres)	(acres)	(tons)	(tons)	(tons)
California .....	46,100	47,300	46,700	2.36	3.98	2.90
Florida .....	6,000	4,600	4,400	4.23	3.80	3.33
Hawaii.....	820	820	740	1.00	0.74	0.80
United States .....	52,920	52,720	51,840	2.56	3.92	2.91
State	Total production			Utilized production		
	2019	2020	2021	2019	2020	2021
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
California .....	109,000	188,500	135,500	108,430	187,940	134,840
Florida .....	25,400	17,500	14,650	25,150	17,170	14,220
Hawaii.....	820	610	590	730	500	540
United States .....	135,220	206,610	150,740	134,310	205,610	149,600
State	Price per ton			Value of utilized production		
	2019	2020	2021	2019	2020	2021
	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
California .....	3,440.00	2,190.00	2,430.00	373,185	411,720	327,369
Florida .....	928.00	799.00	939.00	23,332	13,726	13,350
Hawaii.....	2,450.00	2,370.00	2,250.00	1,787	1,186	1,217
United States .....	2,970.00	2,070.00	2,290.00	398,304	426,632	341,936

**Papaya Bearing Acreage, Yield, Production, Price, and Value - States and United States: 2019-2021**

State	Bearing acreage			Yield per acre		
	2019	2020	2021	2019	2020	2021
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Hawaii.....	690	600	600	17,000	13,800	22,300
United States .....	690	600	600	17,000	13,800	22,300
State	Total production			Utilized production		
	2019	2020	2021	2019	2020	2021
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii.....	11,750	8,280	13,400	10,580	6,950	12,330
United States .....	11,750	8,280	13,400	10,580	6,950	12,330
State	Price per pound			Value of utilized production		
	2019	2020	2021	2019	2020	2021
	(dollars)	(dollars)	(dollars)	(1,000 dollars)	(1,000 dollars)	(1,000 dollars)
Hawaii.....	0.467	0.439	0.686	4,943	3,053	8,460
United States .....	0.467	0.439	0.686	4,943	3,053	8,460

**Macadamia Bearing Acreage, Yield, Production, Price, and Value - States and United States: 2019-2021**

State	Bearing acreage			Yield per acre <sup>1</sup>		
	2019	2020	2021	2019	2020	2021
	<i>(acres)</i>	<i>(acres)</i>	<i>(acres)</i>	<i>(pounds)</i>	<i>(pounds)</i>	<i>(pounds)</i>
Hawaii.....	16,900	17,000	17,000	2,410	2,350	3,000
United States.....	16,900	17,000	17,000	2,410	2,350	3,000
State	Utilized production					
	2019		2020		2021	
	<i>(1,000 pounds)</i>		<i>(1,000 pounds)</i>		<i>(1,000 pounds)</i>	
Hawaii.....	40,700		40,000		51,000	
United States.....	40,700		40,000		51,000	
State	Price per pound			Value of utilized production		
	2019	2020	2021	2019	2020	2021
	<i>(dollars)</i>	<i>(dollars)</i>	<i>(dollars)</i>	<i>(1,000 dollars)</i>	<i>(1,000 dollars)</i>	<i>(1,000 dollars)</i>
Hawaii.....	1.200	1.240	1.230	48,840	49,600	62,730
United States.....	1.200	1.240	1.230	48,840	49,600	62,730

<sup>1</sup> Yield is based on utilized production.

**Noncitrus Fruit Comments**

**Avocado:** Utilized production for the 2021 crop season totaled 149,600 tons, down 27 percent from the previous year. Bearing acreage was estimated at 51,840, down 2 percent from the previous year. The average yield was 2.91 ton per acre, down 1.01 tons from the previous year. Of the total utilized production, 149,400 tons were for the fresh market and 200 tons were for processing. The value of the 2021 crop totaled \$342 million, down 20 percent from the previous season, with an average annual price of \$2,290 per ton.

In California, the largest producing State, grower reported irrigating earlier in the year than usual due to drought conditions. Windy weather in December 2020 and January 2021 caused some developing fruits to drop from the trees. Overall avocado production was down from 2020. In Florida, heavy March winds were detrimental to the avocado crop causing lower production. Laurel Wilt in some groves forced the pushing up and replanting of some trees. In Hawaii, growers reported drought conditions. Problems with deer, lace bug, and fungal disease were also reported, which prevented those trees from bearing fruit or rendering that fruit unmarketable. Some growers with older trees replaced them with replants.

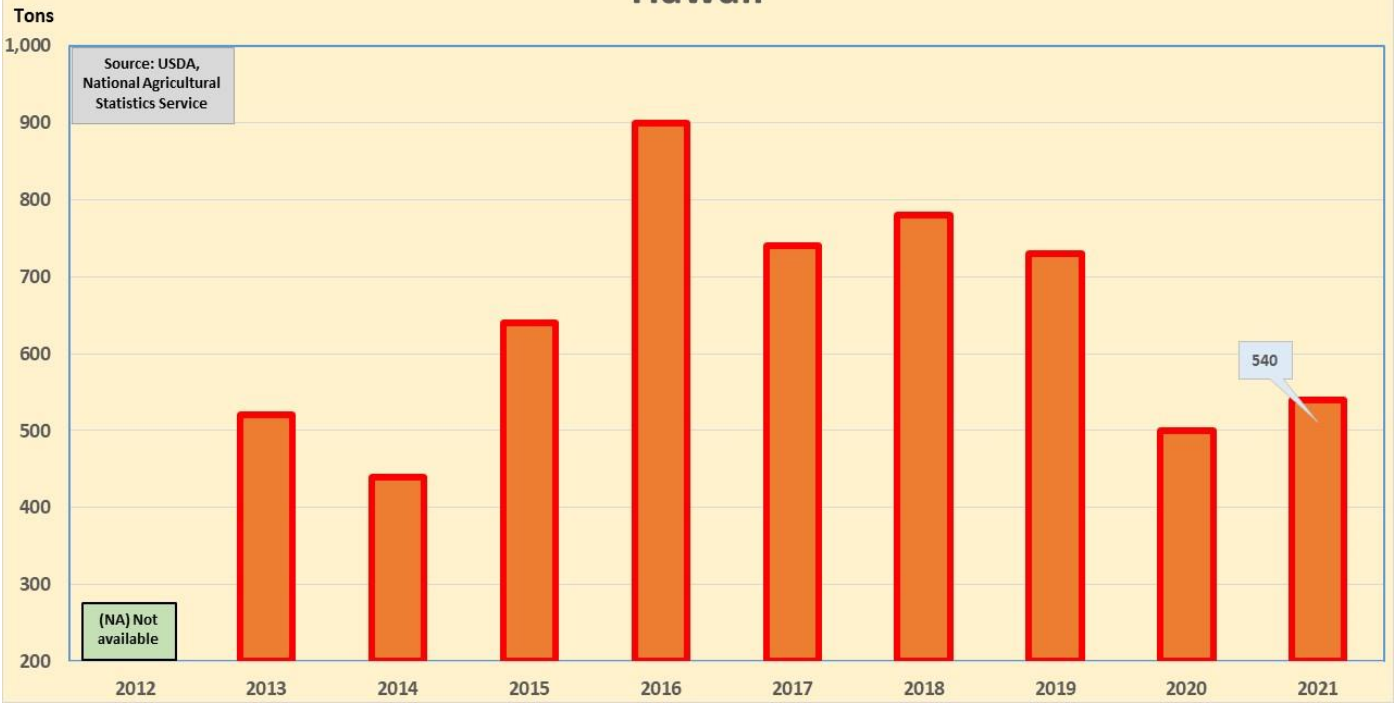
**Papaya:** Utilized production in 2021 totaled 12.3 million pounds, up 77 percent from 2020. Bearing acreage was estimated at 600, same as the previous year. The average yield was 22,300 pounds per acre, up 8,500 pounds from the previous year. The value of the crop totaled \$8.46 million, up significantly from the previous season, with an average annual price of 68.6 cents per pound.

**Tree Nut Comments**

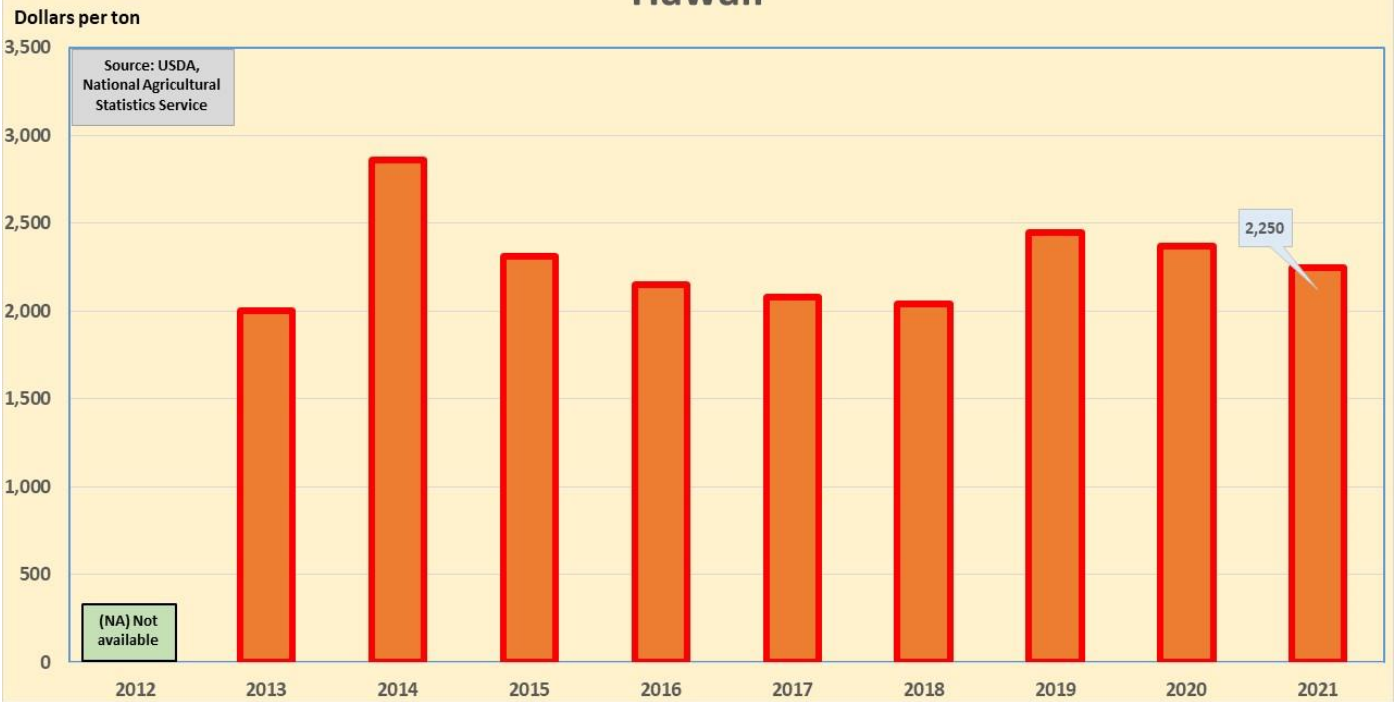
**Macadamia:** Utilized production in Hawaii for 2021 totaled 51.0 million pounds, up 28 percent from the previous year. Bearing acreage was estimated at 17,000, unchanged from the previous year. The average yield was 3,000 pounds per acre, up 650 pounds from the previous year. The value of the crop totaled \$62.7 million, up 26 percent from the previous season, with an average annual price of \$1.23 per pound.

In Hawaii, disease, insects, and feral hog damage to macadamia nut orchards were reported during the growing season. Nonetheless, the impact was minimal, as the 2021 crop produced the highest production in recent years.

## Avocado Utilized Production Hawaii

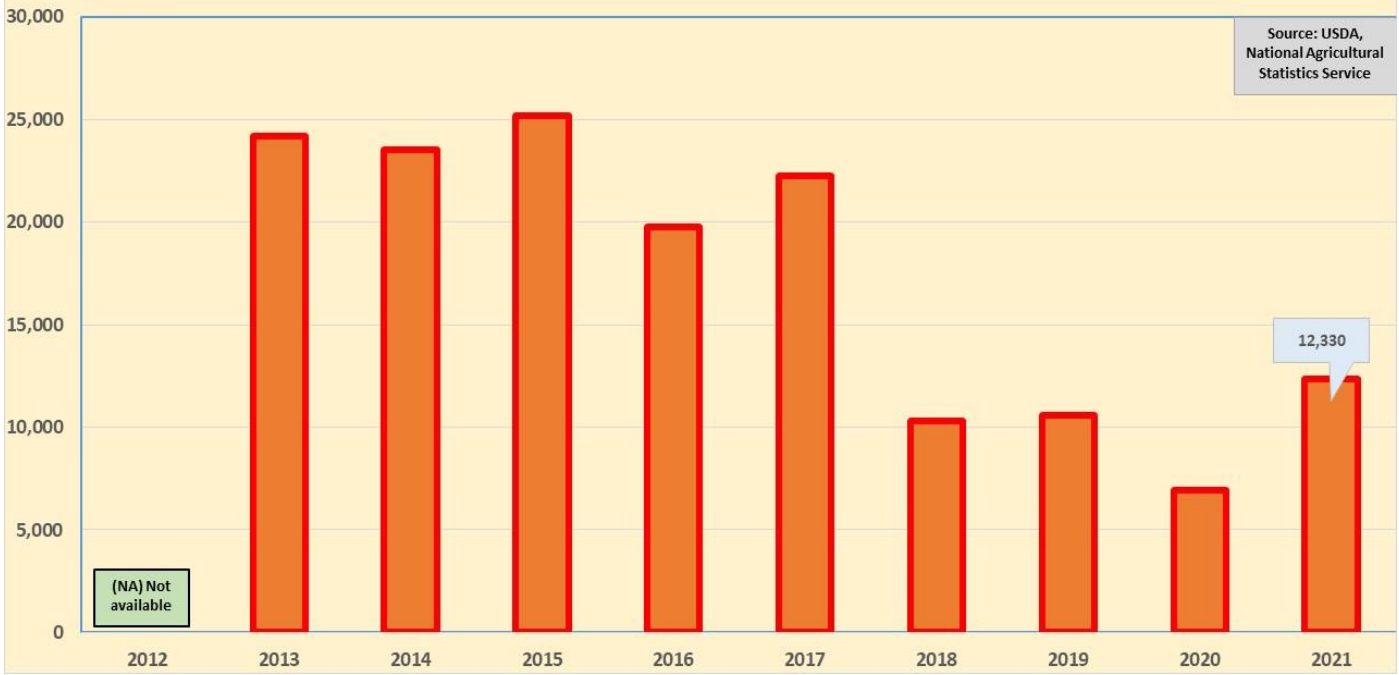


## Avocado Price Hawaii



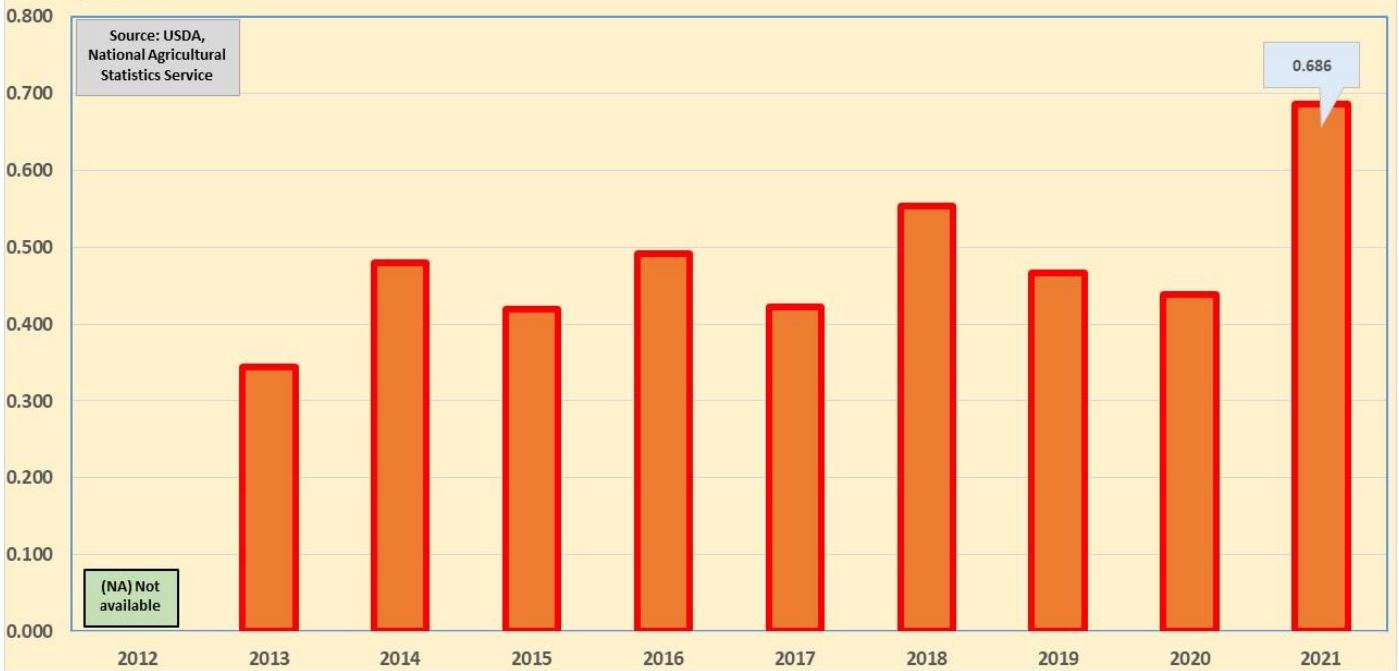
# Papaya Utilized Production Hawaii

Thousand Pounds



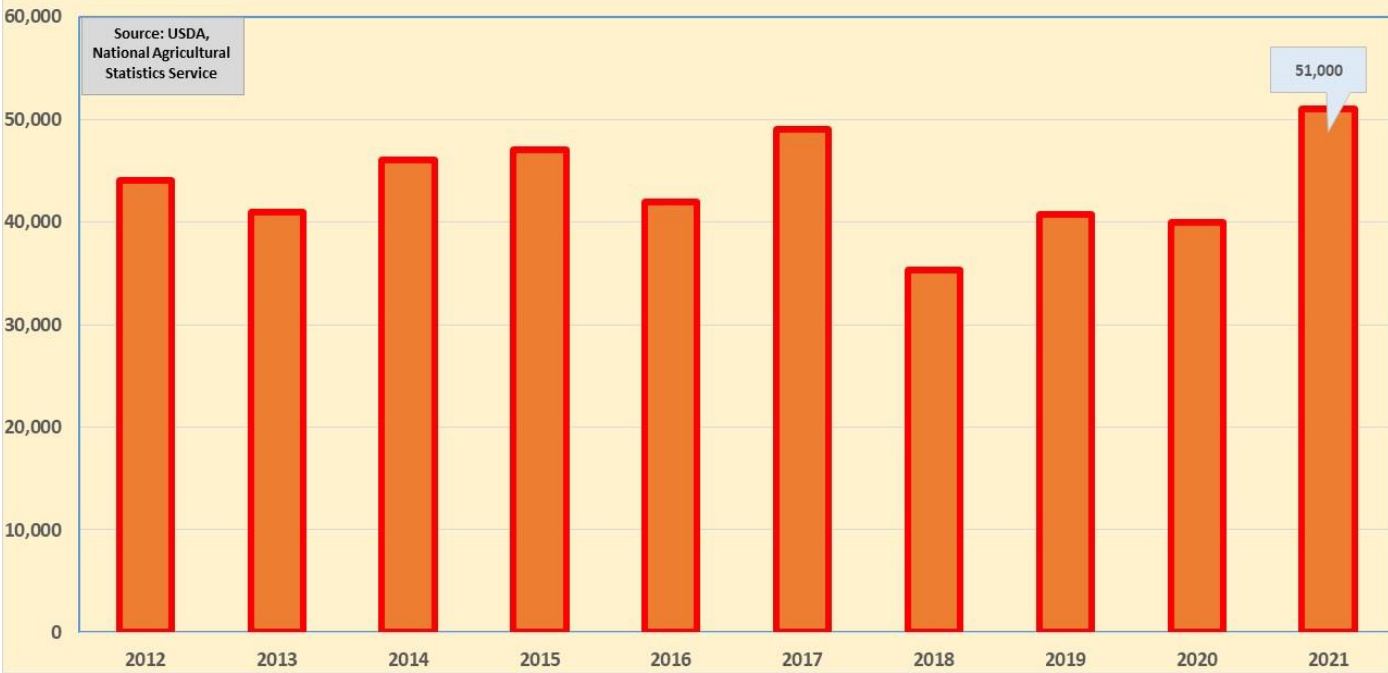
# Papaya Price Hawaii

Dollars per pound



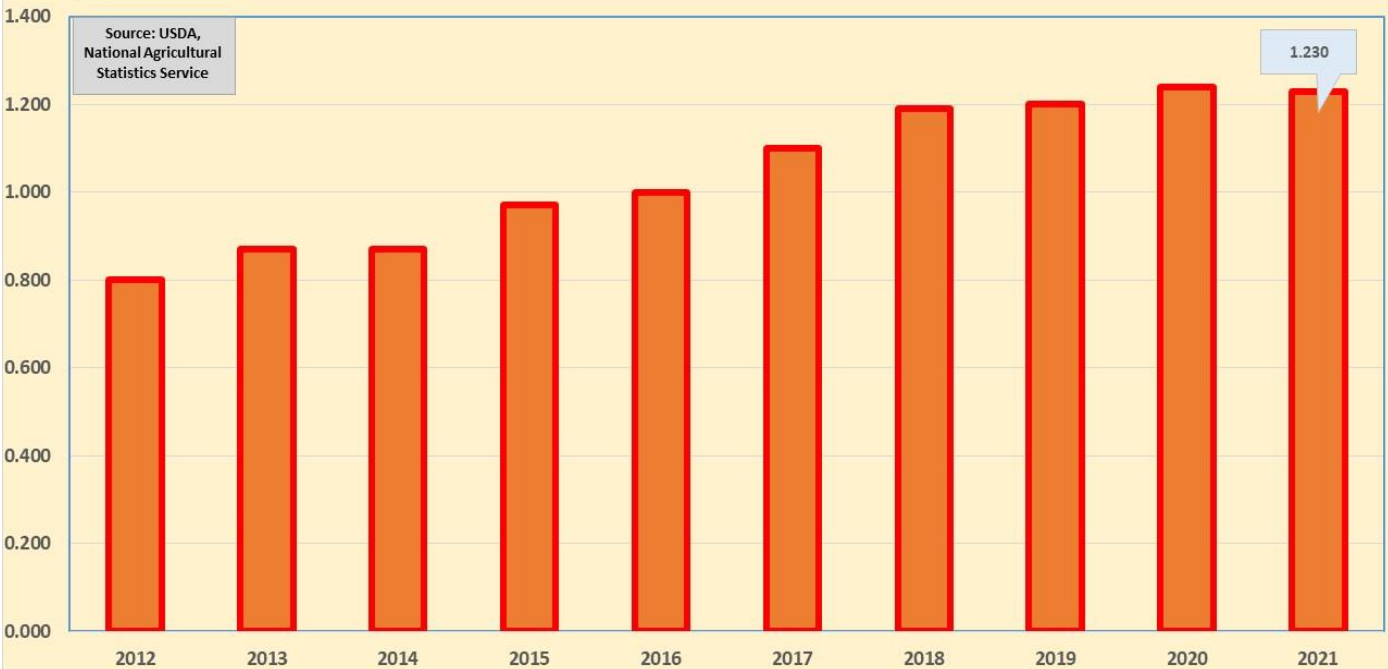
## Macadamia Nut Utilized Production Hawaii

Thousand Pounds



## Macadamia Nut Price Hawaii

Dollars per pound



## Noncitrus Fruits Marketing Seasons

**Avocado:** November 1 to October for California; June 20 to March 1 for Florida; January 1 to December 31 for Hawaii

**Papaya:** January 1 to December 31

## Tree Nuts Marketing Seasons

**Macadamia:** July 1 to June 30

## Access to NASS Reports

Access the National publication for this release at:

<https://usda.library.cornell.edu/concern/publications/zs25x846c>

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: [www.nass.usda.gov](http://www.nass.usda.gov).
- Both state and national and reports are available via a free e-mail subscription. To set-up this free subscription, visit the links below:

### State Reports

[https://www.nass.usda.gov/Publications/Subscribe\\_to\\_State\\_Reports/index.php](https://www.nass.usda.gov/Publications/Subscribe_to_State_Reports/index.php)

### National Reports

<https://usda.library.cornell.edu/>

<https://www.nass.usda.gov/Newsroom/Subscribe/index.php>

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727- 9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: [nass@usda.gov](mailto:nass@usda.gov).

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the basis of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)