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tree nuts

REVISED ESTIMATES, 1964-70

- **Production**

- **Use**

- **Value**

Statistical Bulletin No. 504

December 1972

CROP REPORTING BOARD

STATISTICAL REPORTING SERVICE • U.S. DEPARTMENT OF AGRICULTURE • WASHINGTON, D.C.

GROWERS' MARKETING SEASONS

Almonds : August 5 to November 15
Walnuts : September 15 to December 30
Filberts : October 1 to September 30
Pecans : September 30 to March 15
Tung Nuts : October 15 to May 31
Macadamia Nuts: January 1 to December 31 (Peak
harvest July to January)

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T R E E N U T S

Revised Estimates, 1964-70

Production, Use, Value

This publication presents statistics, by States, on production, utilization, price, and value of almonds, filberts, pecans, English or Persian walnuts, macadamia nuts, and tung nuts for the crop years 1964 through 1970. These statistics have been revised where necessary on the basis of check data not previously available and the 1969 Census of Agriculture. Separate estimates of home use have been discontinued in this series of statistics and are included with unshelled utilization.

Data by States for 1909-65 are shown in Statistical Bulletin No. 473, "Tree Nuts, Production, Use, and Value, 1909-65," June 1971.

Except where otherwise noted, the season average prices are estimated average returns to growers for all uses and all methods of sale. The season average price shown for the United States is obtained by weighting State prices by quantities sold.

Value estimates in this report cover the marketing season or crop year, and should not be confused with cash receipts for a calendar year.

Production of almonds, filberts, and walnuts in commercial quantities is confined to the Pacific Coast States. Nearly all pecans come from 11 Southern and Southwestern States. Almond production is limited almost exclusively to California. More than 90 percent of U.S. filberts are grown in Oregon and most of the balance are grown in Washington. Most of the English walnuts in the United States are grown in California and Oregon, with California producing over 90 percent of the total. Commercial production of macadamia nuts is confined to Hawaii.

Pecans are native to America, and more than half of the total crop comes from native and seedling trees. Texas and Oklahoma are the leading States in the production of seedling pecans. Georgia is the principal producer of improved varieties.

Tung nuts are grown near the Gulf of Mexico principally in Louisiana, Mississippi, Alabama, and Florida. These nuts are inedible and are grown only for the production of tung oil used mainly in paints and varnishes. Estimates for this crop have been discontinued beginning with the 1971 crop.

Table 1. Edible tree nuts 1/: Production and value, United States, 1964-70

Season	Production	Value of production
	Tons	1,000 dollars
1964	266,818	133,843
1965	290,759	129,744
1966	278,483	149,195
1967	280,476	170,920
1968	279,172	184,633
1969	352,979	192,127
1970	329,218	194,103

1/ Almonds, filberts, macadamias, pecans, and walnuts.

Table 2. Almonds: Production, season average price, value, and meats produced, California, 1964-70

Season	Production	Price per ton 1/	Value of production	Meat production
	Tons	Dollars	1,000 dollars	1,000 pounds
1964	75,400	630.00	47,502	83,000
1965	72,900	617.00	44,979	79,600
1966	85,100	610.00	51,911	95,400
1967	76,600	582.00	44,581	82,800
1968	74,500	597.00	44,477	80,600
1969	122,000	606.00	73,932	132,000
1970	124,000	646.00	80,104	149,000

1/ In-shell equivalent returns for bulk nuts at first delivery point.

Table 3. Macadamia nuts: Production, season average price, and value, Hawaii, 1964-70

Season	Production 1/	Price per pound	Value of production
	1,000 pounds	Cents	1,000 dollars
1964	7,655	15.6	1,194
1965	8,538	19.4	1,656
1966	8,726	21.0	1,832
1967	7,972	24.6	1,961
1968	10,444	22.8	2,381
1969	10,057	24.6	2,474
1970	13,216	21.7	2,868

1/ Additional quantities not harvested for economic reasons and excess cullage of harvested nuts are as follows (1,000 pounds): 217 in 1964; 111 in 1965; and 150 in 1966.

Table 4. Filberts: Production, season average price, and value, Oregon, Washington, and United States, 1964-70

State and season	Production	Price per ton 1/	Value of production
	Tons	Dollars	1,000 dollars
<u>Oregon:</u>			
1964	7,800	440.00	3,432
1965	7,300	450.00	3,285
1966	11,700	390.00	4,563
1967	7,000	492.00	3,444
1968	7,000	518.00	3,626
1969	7,100	550.00	3,905
1970	8,750	570.00	4,988
<u>Washington:</u>			
1964	290	442.00	128
1965	440	452.00	199
1966	520	417.00	217
1967	540	497.00	268
1968	600	520.00	312
1969	300	555.00	167
1970	510	571.00	291
<u>United States:</u>			
1964	8,090	440.00	3,560
1965	7,740	450.00	3,484
1966	12,220	391.00	4,780
1967	7,540	492.00	3,712
1968	7,600	518.00	3,938
1969	7,400	550.00	4,072
1970	9,260	570.00	5,279

1/ Equivalent returns for bulk nuts at first delivery point.

Table 5. Filberts: Utilization of production (unshelled basis) and production of shelled meats, Oregon, Washington, and United States, 1964-70

State and season	Total production	Merchantable unshelled grades		Culls and blows		Orchard-run shelled	Utilized locally	Total shelled	Shelled meats produced
		Sold in shell	Shelled	Shelled	Not used				
		Tons							Pounds
<u>Oregon:</u>									
1964	7,800	5,700	380	290	110	1,070	250	1,740	1,310,000
1965	7,300	4,600	800	250	180	1,230	240	2,280	1,805,000
1966	11,700	6,600	2,480	240	150	1,850	380	4,570	3,848,400
1967	7,000	5,050	520	380	140	610	300	1,510	971,000
1968	7,000	5,010	430	410	330	540	280	1,380	904,000
1969	7,100	5,810	40	460	150	360	280	860	508,560
1970	8,750	6,340	770	370	350	620	300	1,760	1,330,560
<u>Washington:</u>									
1964	290	113	3	2	4	2	166	7	5,474
1965	440	186	11	2	5	56	180	69	57,566
1966	520	286	11	2	5	54	162	67	48,000
1967	540	278	32	14	18	36	162	82	55,168
1968	600	305	25	25	15	35	195	85	54,574
1969	300	134	6	10	7	14	129	30	19,560
1970	510	262	32	15	14	26	161	73	55,190
<u>United States:</u>									
1964	8,090	5,813	383	292	114	1,072	416	1,747	1,315,474
1965	7,740	4,786	811	252	185	1,286	420	2,349	1,862,566
1966	12,220	6,886	2,491	242	155	1,904	542	4,637	3,896,400
1967	7,540	5,328	552	394	158	646	462	1,592	1,026,168
1968	7,600	5,315	455	435	345	575	475	1,465	958,574
1969	7,400	5,944	46	470	157	374	409	890	528,120
1970	9,260	6,602	802	385	364	646	461	1,833	1,385,750

Table 6. Pecans: Production, season average price, and value, by States, and United States, 1964-70

State, variety, and season	Production 1/ 1,000 pounds	Price per pound 2/ Cents	Value of production 1,000 dollars
<u>North Carolina</u>			
<u>Improved varieties:</u>			
1964	1,500	25.5	382
1965	2,800	21.0	588
1966	560	29.0	162
1967	1,600	35.0	560
1968	600	41.0	246
1969	1,700	33.0	561
1970	800	41.0	328
<u>Native and seedling pecans:</u>			
1964	400	19.5	78
1965	700	15.0	105
1966	140	20.0	28
1967	300	27.0	81
1968	200	30.0	60
1969	900	26.0	234
1970	300	31.0	93
<u>All pecans:</u>			
1964	1,900	24.2	460
1965	3,500	19.8	693
1966	700	27.1	190
1967	1,900	33.7	641
1968	800	38.2	306
1969	2,600	30.6	795
1970	1,100	38.3	421
<u>South Carolina</u>			
<u>Improved varieties:</u>			
1964	1,500	27.0	405
1965	5,000	20.5	1,025
1966	800	32.0	256
1967	4,450	37.0	1,646
1968	1,280	39.0	499
1969	2,400	33.0	792
1970	720	43.0	310
<u>Native and seedling pecans:</u>			
1964	300	19.5	58
1965	1,000	14.0	140
1966	200	23.0	46
1967	1,250	28.0	350
1968	320	32.0	102
1969	600	25.0	150
1970	180	32.0	58
<u>All pecans:</u>			
1964	1,800	25.7	463
1965	6,000	19.4	1,165
1966	1,000	30.2	302
1967	5,700	35.0	1,997
1968	1,600	37.6	601
1969	3,000	31.4	942
1970	900	40.9	368

See footnotes at end of table.

Continued

Table 6. Pecans: Production, season average price, and value, by States, and United States, 1964-70 Continued

State, variety, and season	Production 1/ 1,000 pounds	Price per pound 2/ Cents	Value of production 1,000 dollars
<u>Georgia</u>			
<u>Improved varieties:</u>			
1964	12,800	28.0	3,584
1965	51,000	19.0	9,690
1966	30,000	31.0	9,300
1967	45,000	39.0	17,550
1968	35,000	42.5	14,875
1969	73,000	31.0	22,630
1970	45,000	42.0	18,900
<u>Native and seedling pecans:</u>			
1964	4,700	21.0	987
1965	10,000	14.5	1,450
1966	7,000	24.0	1,680
1967	10,000	31.5	3,150
1968	7,000	34.0	2,380
1969	15,000	25.5	3,825
1970	9,000	34.5	3,105
<u>All pecans:</u>			
1964	17,500	26.1	4,571
1965	61,000	18.3	11,140
1966	37,000	29.7	10,980
1967	55,000	37.6	20,700
1968	42,000	41.1	17,255
1969	88,000	30.1	26,455
1970	54,000	40.8	22,005
<u>Florida</u>			
<u>Improved varieties:</u>			
1964	1,350	26.5	358
1965	1,250	20.5	256
1966	2,000	28.5	570
1967	2,000	39.0	780
1968	3,200	40.0	1,280
1969	2,100	30.0	630
1970	1,700	39.0	663
<u>Native and seedling pecans:</u>			
1964	1,350	20.5	277
1965	850	16.1	137
1966	2,000	24.5	490
1967	1,900	29.0	551
1968	3,000	34.0	1,020
1969	1,900	25.0	475
1970	1,700	32.0	544
<u>All pecans:</u>			
1964	2,700	23.5	635
1965	2,100	18.7	393
1966	4,000	26.5	1,060
1967	3,900	34.1	1,331
1968	6,200	37.1	2,300
1969	4,000	27.6	1,105
1970	3,400	35.5	1,207

See footnotes at end of table.

Continued

Table 6. Pecans: Production, season average price, and value, by States, and United States, 1964-70 Continued

State, variety, and season	Production 1/ 1,000 pounds	Price per pound 2/ Cents	Value of production 1,000 dollars
Alabama			
<u>Improved varieties:</u>			
1964	10,200	27.0	2,754
1965	24,500	19.0	4,655
1966	22,500	30.0	6,750
1967	21,500	35.0	7,525
1968	27,500	42.0	11,550
1969	27,000	30.0	8,100
1970	11,300	39.0	4,407
<u>Native and seedling pecans:</u>			
1964	2,500	20.0	500
1965	5,000	15.0	750
1966	4,000	25.0	1,000
1967	6,500	31.0	2,015
1968	4,000	34.0	1,360
1969	6,500	25.0	1,625
1970	3,700	34.0	1,258
<u>All pecans:</u>			
1964	12,700	25.6	3,254
1965	29,500	18.3	5,405
1966	26,500	29.2	7,750
1967	28,000	34.1	9,540
1968	31,500	41.0	12,910
1969	33,500	29.0	9,725
1970	15,000	37.8	5,665
Mississippi			
<u>Improved varieties:</u>			
1964	7,100	25.0	1,775
1965	8,500	18.5	1,572
1966	7,500	30.5	2,288
1967	8,200	36.0	2,952
1968	6,000	39.0	2,340
1969	6,100	34.0	2,074
1970	2,000	40.0	800
<u>Native and seedling pecans:</u>			
1964	12,200	21.0	2,562
1965	9,000	14.5	1,305
1966	9,000	24.9	2,241
1967	8,800	30.0	2,640
1968	5,000	33.0	1,650
1969	5,400	28.0	1,512
1970	3,900	34.0	1,326
<u>All pecans:</u>			
1964	19,300	22.5	4,337
1965	17,500	16.4	2,877
1966	16,500	27.4	4,529
1967	17,000	32.9	5,592
1968	11,000	36.3	3,990
1969	11,500	31.2	3,586
1970	5,900	36.0	2,126

See footnotes at end of table.

Continued

Table 6. Pecans: Production, season average price, and value, by States, and United States, 1964-70 Continued

State, variety, and season	Production 1/ 1,000 pounds	Price per pound 2/ Cents	Value of production 1,000 dollars
<u>Arkansas</u>			
<u>Improved varieties:</u>			
1964	1,200	28.0	336
1965	3,200	20.0	640
1966	1,200	28.0	336
1967	2,050	35.0	718
1968	550	41.0	226
1969	2,400	33.0	792
1970	1,000	42.0	420
<u>Native and seedling pecans:</u>			
1964	4,700	21.5	1,010
1965	6,900	16.0	1,104
1966	3,400	27.0	918
1967	6,950	31.0	2,155
1968	1,850	32.0	592
1969	6,200	27.0	1,674
1970	3,600	36.0	1,296
<u>All pecans:</u>			
1964	5,900	22.8	1,346
1965	10,100	17.3	1,744
1966	4,600	27.3	1,254
1967	9,000	31.9	2,873
1968	2,400	34.1	818
1969	8,600	28.7	2,466
1970	4,600	37.3	1,716
<u>Louisiana</u>			
<u>Improved varieties:</u>			
1964	5,000	25.0	1,250
1965	4,300	20.5	882
1966	7,400	30.0	2,220
1967	5,500	33.0	1,815
1968	2,500	36.0	900
1969	7,500	31.0	2,325
1970	3,000	40.0	1,200
<u>Native and seedling pecans:</u>			
1964	28,000	19.0	5,320
1965	6,600	14.7	970
1966	23,600	25.0	5,900
1967	16,000	29.0	4,640
1968	14,000	31.0	4,340
1969	22,200	27.0	5,994
1970	11,500	34.0	3,910
<u>All pecans:</u>			
1964	33,000	19.9	6,570
1965	10,900	17.0	1,852
1966	31,000	26.2	8,120
1967	21,500	30.0	6,455
1968	16,500	31.8	5,240
1969	29,700	28.0	8,319
1970	14,500	35.2	5,110

See footnotes at end of table.

Continued

Table 6. Pecans: Production, season average price, and value, by States, and United States, 1964-70 Continued

State, variety, and season	Production 1/ 1,000 pounds	Price per pound 2/ Cents	Value of production 1,000 dollars
<u>Oklahoma</u>			
<u>Improved varieties:</u>			
1964	2,000	30.0	600
1965	3,000	25.0	750
1966	200	36.0	72
1967	4,000	40.0	1,600
1968	100	45.0	45
1969	1,100	41.0	451
1970	500	49.0	245
<u>Native and seedling pecans:</u>			
1964	35,000	20.5	7,175
1965	40,000	16.0	6,400
1966	5,800	27.0	1,566
1967	49,000	30.0	14,700
1968	1,400	32.0	448
1969	14,400	28.0	4,032
1970	8,000	36.0	2,880
<u>All pecans:</u>			
1964	37,000	21.0	7,775
1965	43,000	16.6	7,150
1966	6,000	27.3	1,638
1967	53,000	30.8	16,300
1968	1,500	32.9	493
1969	15,500	28.9	4,483
1970	8,500	36.8	3,125
<u>Texas</u>			
<u>Improved varieties:</u>			
1964	5,500	32.0	1,760
1965	14,000	24.0	3,360
1966	3,500	37.3	1,306
1967	7,000	39.0	2,730
1968	8,000	40.0	3,200
1969	5,700	40.0	2,280
1970	6,500	46.0	2,990
<u>Native and seedling pecans:</u>			
1964	33,500	21.0	7,035
1965	48,000	15.9	7,632
1966	22,500	28.2	6,345
1967	27,000	31.5	8,505
1968	61,000	33.0	20,130
1969	17,300	28.0	4,844
1970	31,500	37.0	11,655
<u>All pecans:</u>			
1964	39,000	22.6	8,795
1965	62,000	17.7	10,992
1966	26,000	29.4	7,651
1967	34,000	33.0	11,235
1968	69,000	33.8	23,330
1969	23,000	31.0	7,124
1970	38,000	38.5	14,645

See footnotes at end of table.

Continued

Table 6. Pecans: Production, season average price, and value, by States, and United States, 1964-70 Continued

State, variety, and season	Production 1/ 1,000 pounds	Price per pound 2/ Cents	Value of production 1,000 dollars
<u>New Mexico</u>			
<u>Improved varieties:</u>			
1964	7,800	28.0	2,184
1965	5,500	28.0	1,540
1966	8,300	39.5	3,278
1967	2,900	47.0	1,363
1968	10,000	48.5	4,850
1969	6,700	37.0	2,479
1970	9,200	45.0	4,140
<u>United States</u>			
<u>Improved varieties:</u>			
1964	55,950	27.5	15,388
1965	123,050	20.3	24,958
1966	83,960	31.6	26,538
1967	104,200	37.7	39,239
1968	94,730	42.2	40,011
1969	135,700	31.8	43,114
1970	81,720	42.1	34,403
<u>Native and seedling pecans:</u>			
1964	122,650	20.4	25,002
1965	128,050	15.6	19,993
1966	77,640	26.0	20,214
1967	127,700	30.4	38,787
1968	97,770	32.8	32,082
1969	90,400	27.0	24,365
1970	73,380	35.6	26,125
<u>All pecans:</u>			
1964	178,600	22.6	40,390
1965	251,100	17.9	44,951
1966	161,600	28.9	46,752
1967	231,900	33.6	78,026
1968	192,500	37.5	72,093
1969	226,100	29.8	67,479
1970	155,100	39.0	60,528

1/ Excludes quantities left unharvested.

2/ Prices for "all pecans" computed by weighting prices for improved and seedling pecans by quantities sold.

Table 7. Pecans: Quantity shelled commercially and quantity utilized in the shell, 11 principal producing States, 1964-70 (unshelled basis)

Season	Quantity shelled commercially	Quantity utilized in shell	Total
1,000 pounds			
1964	147,380	31,220	178,600
1965	197,990	53,110	251,100
1966	130,025	31,575	161,600
1967	189,000	42,900	231,900
1968	161,100	31,400	192,500
1969	174,500	51,600	226,100
1970	126,300	28,800	155,100

Table 8. Walnuts: Production, season average price, value, and utilization of production (unshelled basis), and production of shelled meats, California, Oregon, and United States, 1964-70

State and season	Production	Price per ton 1/	Value of production	Utilization of production		Shelled meats produced
				In shell	Shelled	
	Tons	Dollars	1,000 dollars	Tons		1,000 pounds
<u>California:</u>						
1964	86,100	458.00	39,434	29,100	57,000	43,531
1965	79,000	432.00	34,128	30,400	48,600	38,038
1966	92,000	460.00	42,320	29,600	62,400	47,916
1967	74,000	560.00	41,440	22,400	51,600	40,281
1968	92,000	650.00	59,800	27,000	65,000	52,121
1969	103,000	420.00	43,260	30,400	72,600	53,896
1970	108,000	407.00	43,956	32,700	75,300	54,826
<u>Oregon:</u>						
1964	4,100	430.00	1,763	1,520	2,580	1,800
1965	1,300	420.00	546	540	760	532
1966	4,000	400.00	1,600	1,173	2,827	2,075
1967	2,400	500.00	1,200	1,078	1,322	886
1968	3,600	540.00	1,944	963	2,637	1,740
1969	2,500	364.00	910	1,395	1,105	712
1970	3,800	360.00	1,368	1,700	2,100	1,500
<u>United States:</u>						
1964	90,200	457.00	41,197	30,620	59,580	45,331
1965	80,300	432.00	34,674	30,940	49,360	38,570
1966	96,000	458.00	43,920	30,773	65,227	49,991
1967	76,400	558.00	42,640	23,478	52,922	41,167
1968	95,600	646.00	61,744	27,963	67,637	53,861
1969	105,500	419.00	44,170	31,795	73,705	54,608
1970	111,800	405.00	45,324	34,400	77,400	56,326

1/ Equivalent returns for bulk nuts at first delivery point.

Table 9. Tung nuts: Production, season average price, and value, by States and United States, 1964-70

State and season	Production 1/	Price per ton 1/	Value of production
	Tons	Dollars	1,000 dollars
<u>Florida:</u>			
1964	20,400	64.00	1,306
1965	25,300	60.00	1,518
1966	15,700	64.00	1,005
1967	9,500	65.00	618
1968	12,000	67.00	804
1969	15,700	60.00	942
1970 2/			
<u>Alabama:</u>			
1964	1,800	62.00	112
1965	1,100	60.00	66
1966	1,700	54.00	92
1967	700	62.00	43
1968	3/ 400		
1969		62.00	25
1970 2/			
<u>Mississippi:</u>			
1964	79,500	61.00	4,850
1965	6,400	63.00	403
1966	56,700	57.00	3,232
1967	25,300	67.00	1,695
1968	4,100	67.00	275
1969	1,300	69.00	90
1970 2/			
<u>Louisiana:</u>			
1964	21,600	62.00	1,339
1965	500	58.00	29
1966	8,800	54.00	475
1967	4,600	64.00	294
1968	900	67.00	60
1969	1,400	69.00	97
1970 2/			
<u>United States:</u>			
1964	123,300	61.70	7,607
1965	33,300	60.50	2,016
1966	82,900	57.90	4,804
1967	40,100	66.10	2,650
1968	17,000	67.00	1,139
1969	18,800	61.40	1,154
1970 2/	11,710	66.60	780

1/ Production and price in terms of air-dried nuts in the husk.

2/ States not published separately to avoid disclosure of individual operations.

3/ Production too small to warrant a quantitative estimate.

UNITED STATES DEPARTMENT OF AGRICULTURE
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