

HAWAII BANANAS

ANNUAL SUMMARY

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2002 HAWAII BANANA OUTPUT AND VALUE LOWER

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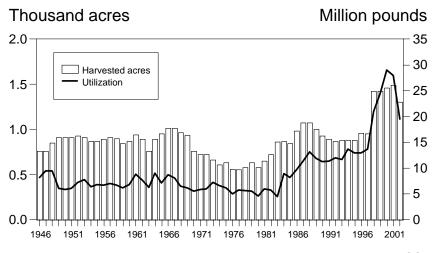
Contributing: Robert Miyake- Hawaii Naomi Landgraf - Maui June Okamura - Honolulu & Kauai Wendell Au - Honolulu Hawaii banana output for 2002 totaled **19.5** million pounds, down 30 percent from 2001 and declining for the second consecutive year, according to the Hawaii Agricultural Statistics Service. In addition to smaller output, the value also fell 21 percent from the previous year to \$8.4 million in 2002. A large reduction of Cavendish banana acreage caused a sharp decline in both supply and revenue for the year. Banana Bunchy Top Virus (BBTV) remains a concern for growers. Last September the disease was found again in Kailua-Kona on Hawaii Island after undergoing an eradication effort. In January 2003, the virus was confirmed in Pukalani, the first incidence for Maui. Growers on Kauai and Oahu continued to monitor and rogue infected plantings to control the disease. Weather for 2002 was favorable with no major wind damage to orchards.

ACREAGE

Total acreage as of February 2003 was 1,440 acres, 220 acres less than February last year. Harvested acreage totaled 1,300 in 2002, down 190 acres from a year earlier. More than half of the acreage was located on Hawaii island followed by Honolulu, Maui, and Kauai counties, respectively. Cavendish and Hawaii Apple total acreage were about equally divided at the State level.

(Continued on page 4)

BANANAS: Acres Harvested and Utilization, State of Hawaii, 1946-2002



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BANANA STATISTICS BY COUNTY

Table 1. BANANAS: Acreage by variety, State of Hawaii, 2001-2002¹

	Variety							
	Hawaii <i>F</i>	Apple ²	Caver	ndish ³				
	2001	2001 2002		2002				
		Ac	res					
State	760	715	900	725				

¹ As of February following year, i.e., acreage data shown for 2002 is as of February 2003. ² Includes Dwarf Hawaii Apple and Apple bananas, formerly called Brazilian. ³ Includes Chinese, Williams, Valery, and Grand Nain. Bluefields, Dwarf Bluefields, and other bananas are also included with Cavendish.

Table 2. BANANAS: Number of farms, acreage, yield, utilization, price, and value, by county, 1998-2002

	F	Ac	reage	Yield per	Utilization	F	Value of
Year	Farms	In crop ¹	Harvested ²	acre (harvested)	Fresh	Farm price	sales
	Number	,	Acres	با 1,000	oounds	Cents per pound	1,000 dollars
State 3							
1998	200	1,600	1,420	14.8	21,000	35.0	7,350
1999	210	1,760	1,420	17.3	24,500	35.0	8,575
2000	210	1,710	1,460	19.9	29,000	36.0	10,440
2001	200	1,660	1,490	18.8	28,000	38.0	10,640
2002	210	1,440	1,300	15.0	19,500	43.0	8,385
Counties:							
Hawaii							
1998	50	740	665	16.7	11,100	31.0	3,430
1999	45	830	650	18.2	11,800	32.5	3,819
2000	45	815	665	21.4	14,200	34.5	4,927
2001	50	790	730	23.0	16,800	37.5	6,302
2002	50	815	740	20.4	15,100	42.0	6,340
Honoluli	J						
1998	75	715	655	13.1	8,600	38.0	3,268
1999	85	785	670	16.9	11,300	35.5	4,039
2000	80	760	685	19.7	13,500	35.5	4,826
2001	75	710	645	15.7	10,100	37.5	3,768
2002	70	460	440	7.5	3,300	44.0	1,459
Kauai							
1998	40	60	50	10.0	500	42.5	212
1999	40	60	50	10.2	510	42.5	218
2000	45	60	50	11.0	550	43.0	236
2001	45	75	55	9.5	520	45.5	237
2002	50	80	60	9.2	550	46.5	256
Maui							
1998	35	85	50	16.0	800	55.0	440
1999	40	85	50	17.8	890	56.0	499
2000	40	75	60	12.5	750	60.0	451
2001	30	85	60	9.7	580	57.5	333
2002	40	85	60	9.2	550	60.0	330

¹As of February following year, i.e., acreage data shown for 2002 is as of February 2003. ²Acreage reflects quarterly average during the year. County totals may not add to State totals due to rounding.

BANANA STATISTICS BY VARIETY

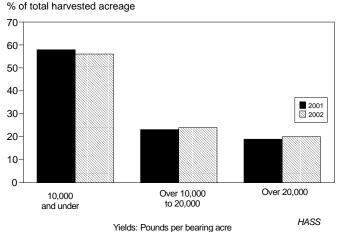
Table 3. BANANAS: Utilization, acreage, and price, State of Hawaii, 1998-2002

-						Utili	zation Fr	esh 1						A	creage
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total or average	In crop	Harvested
						1,	.000 poui	nds						,	Acres
All Bana	anas														
1998	1,196	1,096	1,261	1,359	1,516	1,943	2,163	2,117	2,112	2,095	2,063	2,079	21,000	1,600	1,420
1999	1,739	1,743	1,968	1,714	2,124	2,090	2,323	2,500	2,363	2,151	1,820	1,965	24,500	1,760	1,420
2000	2,148	2,221	2,583	2,371	2,442	2,620	2,553	2,350	2,638	2,465	2,603	2,006	29,000	1,710	1,460
2001	2,145	2,025	2,390	2,285	2,480	2,520	2,530	2,620	2,490	2,295	2,175	2,045	28,000	1,660	1,490
2002	1,445	1,315	1,450	1,415	1,490	1,815	1,740	2,025	1,695	1,725	1,640	1,745	19,500	1,440	1,300
Hawaii .	Apple ²														
1998	344	345	388	367	308	281	322	367	385	390	397	506	4,400	660	510
1999	487	442	418	392	398	402	360	386	390	429	403	393	4,900	700	530
2000	410	438	496	479	407	447	440	445	454	458	518	508	5,500	735	550
2001	425	495	615	565	635	630	560	590	565	565	475	580	6,700	760	600
2002	505	455	500	460	495	495	540	470	465	480	450	485	5,800	715	610
Cavend	ish ³														
1998	852	751	873	992	1,208	1,662	1,841	1,750	1,727	1,705	1,666	1,573	16,600	940	910
1999	1,252	1,301	1,550	1,322	1,726	1,688	1,963	2,114	1,973	1,722	1,417	1,572	19,600	1,060	890
2000	1,738	1,783	2,087	1,892	2,035	2,173	2,113	1,905	2,184	2,007	2,085	1,498	23,500	975	910
2001 2002	1,720 940	1,530 860	1,775 950	1,720 955	1,845 995	1,890 1,320	1,970 1,200	2,030 1,555	1,925 1,230	1,730 1,245	1,700 1,190	1,465 1,260	21,300 13,700	900 725	890 690
2002	340	- 000	330	- 333			•		SH MARI		1,130	1,200	13,700	125	
						I AIXIVI		Cents per		IXL I					
All Bana	anas ⁴							orno por	pourid						
1998	36.0	38.5	37.5	38.0	37.5	35.5	34.5	33.5	33.0	32.5	33.5	34.5	35.0		
1999	37.0	38.5	38.0	37.5	35.0	33.5	32.5	33.0	33.0	33.5	36.5	35.0	35.0		
2000	36.0	38.5	37.5	39.0	37.5	34.5	33.0	32.0			36.5	38.0	36.0		
2001	38.5	42.0	40.0	38.0	40.5	37.5	37.0	36.0			35.0	39.5	38.0		
2002	43.0	45.0	45.5	45.0	46.0	42.5	41.5	39.0	41.5	43.5	43.5	42.5	43.0		
Hawaii .	Apple ²														
1998	49.5	49.5	49.0	49.0	50.0	53.0	53.0	51.0	50.5	50.0	49.5	48.5	50.0		
1999	48.0	47.5	47.0	47.0	47.5	47.5	47.5				48.0	48.0	47.5		
2000	46.5	46.5	46.0	47.5	47.0	47.0	47.0	47.5		47.0	46.5	47.5	47.0		
2001	50.0	50.0	51.0	51.0	51.5	50.5	50.0	50.5			50.0	50.0	50.5		
2002	49.5	50.5	49.5	49.0	50.5	51.0	51.0	50.5	51.5	51.5	51.5	49.5	50.5		
Cavend	ish ⁵														
1998	30.0	33.5	32.5	33.5	34.0	32.5	31.0	29.5	28.5	28.5	29.5	30.0	30.5		
1999	32.5	35.0	35.5	34.5	31.5	30.0	29.5			29.5	33.0	31.5	31.5		
2000	33.5	36.0	35.5	36.5	35.5	31.5	30.0	28.0		34.0	34.0	34.5	33.0		
2001	36.0	39.0	36.0	34.0	36.5	33.5	33.0	32.0	31.5	31.5	30.5	35.5	34.0		
2002	39.5	41.5	42.5	42.5	43.5	39.5	37.0	35.5	37.5	40.5	40.0	39.5	39.5		

¹ Monthly production rounded to the nearest 5,000 pounds beginning 2001. ² Includes Dwarf Hawaii Apple and Apple bananas, formerly called Brazilian. ³ Includes Chinese, Williams, Valery, and Grand Nain. Bluefields, Dwarf Bluefields, and other bananas are combined with Cavendish beginning 1993. Previous publications provide a breakdown for Bluefields. ⁴ Includes Bluefields, Dwarf Bluefields, and other bananas. ⁵ Includes Chinese, Williams, Valery, and Grand Nain.

BANANA ACREAGE DISTRIBUTED BY YIELD

BANANAS: Distribution of Harvested Hawaii Apple Acreage by Yield, State of Hawaii, 2001-2002



BANANAS: Distribution of Harvested Cavendish Acreage by Yield, State of Hawaii, 2001-2002

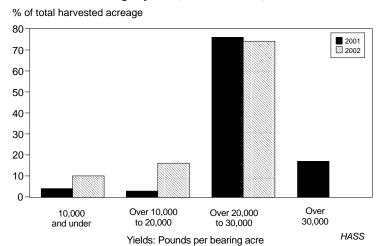


Table 4. BANANAS: Distribution of harvested acreage by yield, State of Hawaii, 2001-2002

	Variety												
Stratum:		Hawa	ii Apple 1		Cave	endish ²							
Yield per harvested acre	Harvest	ed acres	Avera	ge yield	Harvest	ed acres	Avera	ge yield					
	2001	2002	2001	2002	2001	2002	2001	2002					
Pounds			Pounds										
Over 30,000	3	3	3	3	150	3	30,700	3					
20,001 - 30,000	⁴ 116	⁴ 122	4 25,000	4 24,200	677	510	24,000	4 23,600					
10,001 - 20,000	135	147	14,400	11,100	26	108	12,100	12,400					
10,000 and Under	349	341	5,400	4,300	37	72	3,600	4,700					
Total	600	610	11,200	9,500	890	690	23,900	19,900					

¹ Includes Dwarf Hawaii Apple and Apple bananas, formerly called Brazilian.

SALES AND YIELD

Overall Statewide yields averaged 15,000 pounds per acre in 2002, compared to 18,800 pounds during the previous year. Cavendish production totaled 13.7 million pounds, down 36 percent from 2001 and accounting for 70 percent of the State total. The overall average yield for Cavendish was 19,900 pounds per acre, down 4,000 pounds from the previous year's level. Hawaii Apple output was 16 percent less than last year to 5.8 million pounds in 2002. The overall average yield for Hawaii Apple was 9,500 pounds per acre, 1,700 pounds below 2001.

FARM PRICES AND VALUE

The 2002 farm price for all varieties of local bananas averaged 43.0 cents per pound, a nickle more than the previous year. The average farm price for Cavendish bananas averaged 39.5 cents per pound, up 5.5 cents from last year. The average farm price for Hawaii Apple was unchanged from 2001 to 50.5 cents.

² Includes Chinese, Williams, Valery, and Grand Nain. Bluefields, Dwarf Bluefields, and other bananas are included with Cavendish.

³ Data not shown separately but combined and included in "20,001-30,000" pounds per acre.

⁴ Includes "Over 30,000" pounds per acre.

HISTORICAL DATA

Table 5. BANANAS: State of Hawaii, 1946-2002

Table 5. BANANAS: State of Hawaii, 1946-2002									
V	F	Ac	creage	Yield per acre	l Hili-otion	- 1	Value of		
Year	Farms	In crop	Harvested	(harvested)	Utilization	Farm price 1	sales		
	Number	,	Acres	1,000 p	oounds	Cents per pound	1,000 dollars		
1946	NA	1,000	760	10.7	8,163	4.6	373		
1947	NA	1,020	760	12.5	9,475	6.4	608		
1948	NA	1,020	850	11.2	9,510	6.0	572		
1949	NA	1,010	910	6.7	6,115	7.6	464		
1950	NA	1,020	910	6.5	5,870	7.2	424		
1951	NA	990	910	6.7	6,085	7.4	451		
1952	NA	1,010	930	7.8	7,250	6.7	489		
1953	NA	980	910	8.5	7,760	6.5	503		
1954	NA	930	870	7.4	6,430	6.8	436		
1955	NA	950	870	7.9	6,850	6.5	444		
1956	NA	1,000	890	7.6	6,725	6.8	454		
1957	NA	1,050	910	7.7	6,985	5.7	398		
1958	NA	1,050	900	7.4	6,665	6.8	435		
1959	NA	1,010	840	7.4	6,210	7.1	438		
1960	NA	1,130	970	7.8	6,810	6.4	435		
1961	NA	1,160	940	9.4	8,835	6.7	592		
1962	NA	1,110	890	8.7	7,710	6.6	509		
1963	NA	1,040	760	8.2	6,245	7.8	484		
1964	246	1,040	890	10.1	9,010	7.7	690		
1965	243	1,160	950	7.5	7,160	7.7 7.7	545		
1966	243	1,150	1,010	8.6	8,730	7.7 7.7	668		
1967	216	1,155	1,010	8.0	8,095	7.7 7.0	567		
1967	207	1,135	965	6.7	6,485	7.0 7.7	499		
1969	170	1,038	933	6.6	6,170	9.4	580		
1970	182	820	760 705	7.4	5,600	10.6	594		
1971	172	810	725 720	8.1	5,865	11.6	680		
1972	172	795	720	8.3	6,000	12.0	720 770		
1973	171	730	660	11.1	7,295	10.6	773		
1974	173	670	610	10.8	6,600	13.1	865		
1975	154	690	630	9.8	6,200	13.8	856		
1976	152	615	560	9.0	5,030	15.5	780		
1977	153	610	550	10.5	5,800	15.6	905		
1978	147	660	580	9.8	5,700	18.5	1,055		
1979	148	690	630	8.8	5,550	20.5	1,138		
1980	159	730	580	7.9	4,600	23.9	1,099		
1981	152	760	650	9.2	6,000	25.7	1,542		
1982	179	940	720	8.0	5,750	28.6	1,645		
1983	183	1,100	860	5.2	4,470	31.2	1,395		
1984	180	990	870	10.2	8,900	30.0	2,670		
1985	178	1,060	840	9.7	8,160	30.3	2,472		
1986	185	1,140	980	9.9	9,700	30.0	2,910		
1987	175	1,220	1,070	10.7	11,400	29.7	3,386		
1988	160	1,220	1,070	12.3	13,200	33.0	4,356		
1989	150	1,150	1,000	11.9	11,900	36.5	4,344		
1990	150	1,000	930	12.2	11,300	38.0	4,294		
1991	145	970	890	12.8	11,400	41.0	4,674		
1992	135	960	870	13.8	12,000	41.0	4,920		
1993	130	980	830	14.1	11,700	38.0	4,446		
1994	145	1,020	880	15.6	13,700	37.0	5,069		
1995	170	1,120	880	14.8	13,000	40.0	5,200		
1996	170	1,240	960	13.5	13,000	40.0	5,200		
1997	170	1,590	950	14.4	13,700	38.0	5,206		
1998	200	1,600	1,420	14.8	21,000	35.0	7,350		
1999	210	1,760	1,420	17.3	24,500	35.0	8,575		
2000	210	1,710	1,460	19.9	29,000	36.0	10,440		
2001	200	1,660	1,490	18.8	28,000	38.0	10,640		
2002	210	1,440	1,300	15.0	19,500	43.0	8,385		

¹ Price rounded to nearest 0.5 cent beginning 1994.

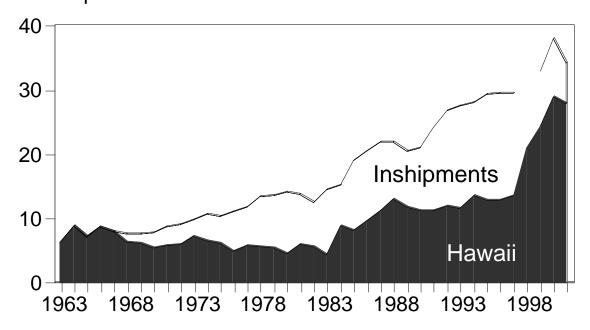
HAWAII FRESH BANANA MARKET SUPPLY

Table 6. BANANAS: Fresh Cavendish banana inshipments into Honolulu, 1998-2002¹

Year	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul	Aug.	Sep.	Oct.	Nov.	Dec.	Honolulu	State ¹
							1,0	000 pounds	S				-	
1998	1,282	1,274	864	822	NA	NA	604	494	603	433	644	484	NA	NA
1999	678	880	967	756	465	673	453	379	503	714	837	1,138	8,443	8,484
2000	974	920	1,085	709	1,014	678	528	465	714	708	723	492	9,010	9,055
2001	580	604	566	613	588	532	494	532	508	369	326	553	6,265	6,293
2002	902	762	797	794	952	591	574	491	599	530	395	750	8,137	NA

¹ Annual totals for 1997, 1999-2001 were estimated to include direct inshipments to the outer islands. NA = Not available. Source: Hawaii Department of Agriculture, Market Analysis and News Branch.

MARKET SUPPLY: Fresh Market Bananas, State of Hawaii, 1963-2001



Inshipments data souce: Market Analysis and News Branch. Exports are included in the graph.

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U.S. FRESH BANANA IMPORTS

Table 7. BANANAS: U.S. fresh banana imports, quantity and value, 1998-2002

Year	Quantity	Custom value
	Metric tons	1,000 dollars
1998	3,914,797	1,092,703
1999	4,291,425	1,080,236
2000	4,030,618	1,026,390
2001	1 3,840,623	1 1,069,351
2002	3,906,939	1,064,309

The conversion for 1 metric ton = 2,204.6 pounds. Source: U.S. Department of Commerce.

Table 8. BANANAS: U.S. fresh banana imports, quantity and value, by country, 2002¹
Harmonized number: 0803002020

In 2002, the U.S. imported 3.9 million metric tons of fresh bananas from foreign sources, up 2 percent from the previous year. Ecuador, Guatemala, and Costa Rica were the top three exporters of banans to the U.S. The value posted \$1.1 billion, unchanged from the 2001 value.

Country	Quantity	Custom value
	Metric tons	1,000 dollars
Mexico	42,358	13,284
Guatemala	925,216	246,765
Honduras	449,171	119,709
Costa Rica	901,485	245,689
Panama	259	65
Dominican Republic	3,573	1,486
Colombia	506,441	149,291
Venezuela	3,684	1,559
Ecuador	1,021,830	271,414
Nicaragua	29,702	8,476
Philippines	3	2
Peru	23,196	6,556
Dominica	18	9
Thailand	5	4
Total	3,906,939	1,064,309

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

Source: U.S. Department of Commerce.

¹ Revised.

¹ Data may not add due to rounding.