Papaya Acreage Survey Results

National Agricultural Statistics Service

Hawaii Agricultural Statistics Service
Hawaii Department of Agriculture
Box 22159, Honolulu, HI 96823-2159
(808) 973-9588
FAX (808) 973-2909
Internet Web Site http://www.nass.usda.gov/hi

August 2000

Acreage Summary

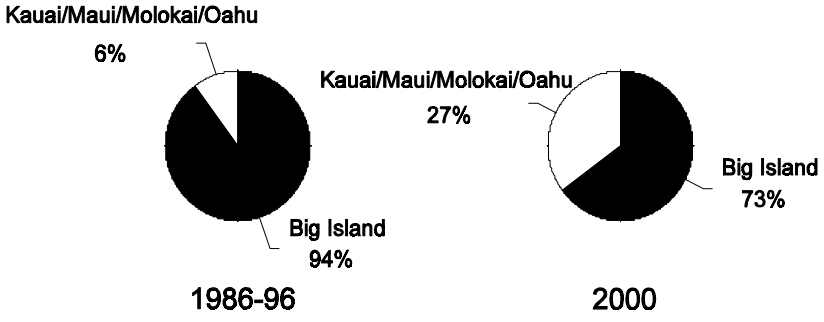
Total papaya acreage is pegged at 2,800 acres, which is 9 percent higher than HASS's previous state estimate. Big Island acreage totals were revised up 28 percent.

The Big Island's 171 farms account for 73 percent of the State's total and harvested papaya acreage. In comparison, the Big Island accounted for over 90 percent of the harvested acreage from 1986 through 1996. Maui/Molokai/Oahu follows with 39 growers and 19 percent of the total papaya acreage. Kauai's 23 producers had 8 percent of the State's total papaya acreage.

Papaya acreage, State of Hawaii, August 2000

Location	Farms	Bearing	Non-bearing	Total
		Acres		
Hawaii	171	1,190	860	2,050
Maui/Molokai/Oahu	39	295	240	535
Kauai	23	140	75	215
State	233	1,625	1,175	2,800

Papaya: Harvested Area
Big Island vs Maui/Molokai/Oahu/Kauai



Varietal Summary

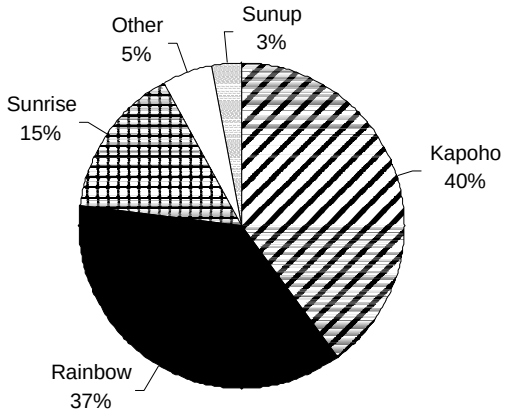
Kapoho represents 40 percent of the state's total papaya acreage. Rainbow is planted to 37 percent of the total acreage, followed by Sunrise with 15 percent. Sunup and Other varieties make up 3 percent and 5 percent, respectively.

Although Kapoho represents 40 percent of the State's total papaya acreage, it represents only 32 percent of the bearing acreage. Rainbow is the dominant variety being harvested with 50 percent of the bearing acreage.

Slightly over half of the non-bearing acreage is of the Kapoho variety.

Rainbow and Sunup are resistant to Papaya Ringspot Virus (PRV). Together, the two varieties comprise 53 percent of the bearing acreage and 40 percent of the total acreage.

Papaya: State of Hawaii,
Varietal Distribution, August 2000



Papaya varietal distribution, State of Hawaii, August 2000

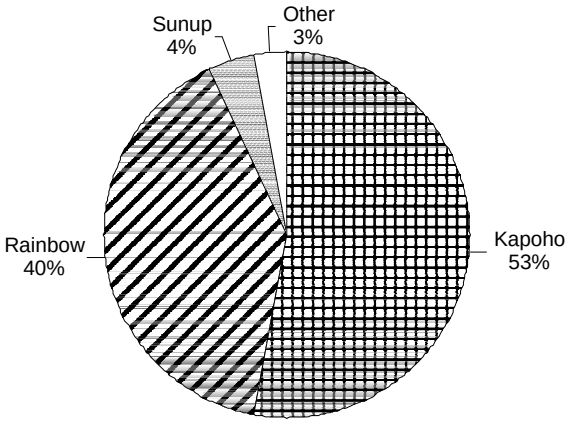
Variety	Bearing	Non-bearing	Total
	Percent		
Kapoho	32	51	40
Rainbow	50	20	37
Sunrise	12	20	15
Sunup	3	3	3
Other	3	6	5
Total	100	100	100

Island Summary

Kapoho represents 53 percent of the Big Island's 2,050 total papaya acreage. However, Rainbow, with 40 percent of total Big Island acreage, has 50 percent of the bearing acreage. Sunrise, Sunup, and Other varieties made up the remaining 7 percent of the total.

Distribution between bearing versus non-bearing indicates Rainbow and Sunup with less than a third of their acreage in the non-bearing stage. However, Kapoho and "Other" have more than half their acreage in the non-bearing stage. For Kapoho and "Other", the high ratio of bearing to non-bearing is probably due to anticipated losses to PRV.

Papaya: Big Island,
Varietal Distribution, August 2000



Papaya: Big Island varietal distribution

Variety	Bearing	Non-bearing	Total
	Percent		
Kapoho	43.1	67.7	53.4
Rainbow	50.1	25.7	39.8
Sunup	4.3	2.3	3.5
Other[1]	2.5	4.3	3.3
Total	100.0	100.0	100.0

[1]Sunrise combined with "Other".

Papaya: Big Island distribution within variety

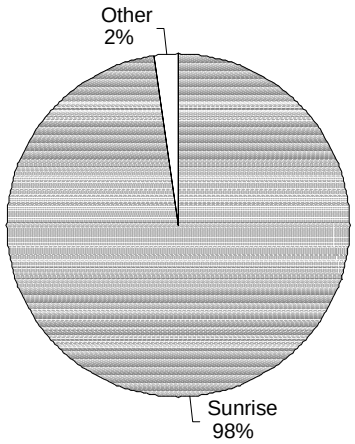
Variety	Bearing	Non-bearing	Total
	Percent		
Kapoho	47	53	100
Rainbow	73	27	100
Sunup	71	29	100
Other[1]	44	56	100
Total	58	42	100

[1]Sunrise combined with "Other".

On Kauai, Sunrise is the predominant variety with 98 percent of the islands 215 acres. About a third of Sunrise acreage is in the non-bearing stage. PRV is not present on Kauai.

Papaya farmers on Maui, Molokai, and Oahu raise Kapoho, Rainbow, Sunrise, Sunup, and Other varieties. PRV is widespread on Oahu but not present on Maui and Molokai.

Papaya: Kauai,
Varietal Distribution, August 2000



Papaya: Kauai varietal distribution

Kauai			
Variety	Bearing	Non-bearing	Total
	Percent		
Sunrise	97.8	97.4	97.7
Other	2.2	2.6	2.3
Total	100.0	100.0	100.0

Papaya: Kauai distribution within variety

Variety	Bearing	Non-bearing	Total
	Percent		
Sunrise	64	36	100
Other	60	40	100
Total	64	36	100