

# MARKETING CALIFORNIA STRAWBERRIES

*INCLUDES RASPBERRIES & OTHER BUSHBERRIES*

# 1988

**FEDERAL-STATE MARKET NEWS SERVICE**

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## FOREWORD

This summary covers the 1988 marketing seasons for strawberries and bushberries in the states of California, Oregon and Washington. Limited data for other states is also included.

Some of the information used in this summary is from the Statistical Reporting Service, U.S. Department of Agriculture, and the Crop and Livestock Reporting Service, California Department of Food and Agriculture. Reports covering weekly deliveries to processors in Washington and Oregon were compiled by the Federal-State Market News office in Yakima, Washington. Deliveries of strawberries to California processors were provided by the California Processing Strawberry Advisory Board.

Prices used in this summary represent the "mostly" prices, or prices which represent most of the volume. Prices higher or lower than those shown may have occurred.

We express our thanks to all those who have helped to provide the information contained in this summary, especially the California Processing Strawberry Advisory Board.

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## MARKETING CALIFORNIA STRAWBERRIES, 1988

Production of strawberries for all markets, fresh and processing in 1988 increased about 5 percent over 1987 for a 1988 total of 862.4 million pounds. The total area planted rose from 16,800 acres in 1987 to 17,600 acres in 1988, with yield per acre remaining the same at about 49,000 pounds. Production for fresh and processing has risen about 38 percent since 1983 when the total was 624 million pounds. Chandler was the principal variety planted in both 1988 and 1987. A total of 56.1 million flats of fresh strawberries were shipped in 1988, an increase of almost 16 percent over 1987.

In the 23 cities where Market News collects data, the total arrivals of strawberries for 1988 increased by about 1.5 percent over the previous year. Deliveries of California strawberries to processors in 1988 were slightly under 204 thousand pounds, a drop of 22 percent from 1987, while imports of frozen berries decreased by 19 percent to 62.1 million pounds. Mexico accounted for almost 86 percent of the frozen imports.

### FRESH MARKET STRAWBERRIES

#### Southern California

Strawberry plantings increased slightly in 1988 to 7,500 acres as opposed to 7,300 acres in 1987. Ninety-nine percent of all plantings were made after October 1, 1988. Shipping began in January though cold weather kept shipping very light throughout the month. February saw a marked increase and volume continued to grow until April 4th when it reached its highest one-day total for the year at 554,600 flats shipped. The individual area totals for April 4th were: 193,700 flats for the Orange/L.A. county area, 290,700 flats for the Oxnard area, and 70,200 flats for the San Diego area. April 5th was actually a slightly higher day for the San Diego area when 70,800 flats went out. The peak shipment period came one to two weeks earlier in 1988 than it did the previous year.

In the middle of February prices for the medium-large berry were \$14.00 a flat in the Oxnard district and \$12.00-14.00 in Orange/L.A., & San Diego counties. By the end of March prices had dropped to \$7.00-10.00 in Oxnard and \$6.00-7.00 a flat in Orange/L.A., & San Diego. The lowest price range for the medium-large size strawberry came the week of April 9 at \$3.00-5.00 in Oxnard and \$3.00-4.00 in Orange/L.A. and San Diego, as Santa Maria and Salinas/Watsonville production began to increase significantly. The season ended in the middle of June with the last price quotes during the week ending June 11 at \$5.00-7.00 for the Oxnard district and \$4.00-

5.00 for Orange/L.A. and San Diego counties for a tray of medium sized berries.

#### Central California

The reported strawberry acreage for the central California coast was 10,100 acres in 1988 compared with 9,500 acres in 1987. The Salinas-Watsonville area continued to be the largest shipping district statewide with 6,500 acres in Monterey and Santa Cruz counties, a six percent increase over the 6,150 acres reported in 1987. The Santa Maria district, consisting of Santa Barbara and San Luis Obispo counties, reported 3,200 acres in 1988, compared with 2,900 acres a year ago. Acreage in Santa Clara and Alameda counties dropped from 220 to 200 in 1988, while acreage in Fresno, San Joaquin and other central California counties decreased from 230 acres in 1987 to 200 acres in 1988. Sixty percent of the acreage was winter-planted, 30 percent was summer-planted and the other 10 percent of the acreage was second year or older.

The harvest of strawberries started relatively early in 1988, due to the warm weather in January and February. Temperatures on March 25 and 26 were hot, resulting in damage to ripening fruit. In mid April, there were unusually late rain storms, causing additional damage and crop loss.

The Santa Maria district started light harvesting in late February and peaked in mid-May. On May 16, the Santa Maria district shipped a seasonal high of 186,900 trays. May 15-21 was the reported peak shipping week for the season with 869,600 trays. Light shipments from the Salinas-Watsonville district began in mid-March, increasing steadily from April through May. The peak shipping day in the Salinas-Watsonville area was June 20, when 291,600 trays were shipped. The week of July 10-16 was the peak shipping week in Salinas-Watsonville with 1,306,700 trays. For the central coast area, May was the peak month, with shipments of 8.3 million trays compared with 10.2 million in May of 1987.

Shipment totals increased from the previous season in both the Santa Maria and Salinas-Watsonville districts. Santa Maria shipments totaled 10.0 million trays, 8 percent more than a year ago. Salinas-Watsonville shipped a total of 25.8 million trays, 17 percent more than in 1987. Although Santa Maria district shipments began to decline by late June, Salinas-Watsonville area maintained good volume through mid-August. Salinas-Watsonville reported 1.1 million trays shipped by air and 405 thousand of those air shipment were exports. Santa Maria reported 23,100 trays shipped by air.

F.O.B. prices were reported March 17 through October 27. Prices opened first in Santa Maria at \$10.00-\$12.00, compared to the previous season at \$9.00-\$11.00 on March 31. Prices for Salinas-Watsonville were first quoted April 1, opening at \$5.00-\$6.00 compared with \$4.00-\$5.00 in mid April of the year prior. The season's low for Santa Maria was \$3.00-\$5.00, on June 15-17. Salinas-Watsonville's low occurred July 28-29 and also ranged \$3.00-5.00. In 1987 prices dipped to \$4.00-\$5.00 for the week ending April 17 for both Santa Maria and Salinas-Watsonville.

#### PROCESSING STRAWBERRIES

##### California

In 1988 only 203.6 million pounds of strawberries were delivered to processors, a decrease of 22 percent from the 1987 total of 262 million pounds and slightly less than the 208 million pounds delivered in 1986. Deliveries of No. 1 berries totaled 175.1 million pounds for the year, a decrease of 21 percent from the previous year. The last two weeks of June were the peak delivery weeks for 1988. Deliveries of juice berries reached their high point the middle of April and totaled 28 million pounds for the year, a 28 percent decrease from 1987. Prices for No. 1 berries started the year at 25-30.5c and ended the year ranging from 25-35c per pound after reaching its high of 32-35c the last week of August and first two weeks of September. Juice berries brought a steady 5c per pound throughout the year.

Cold storage holdings were 212 million pounds in January 1988, up sharply from the 128 million pounds in January of 1987 and the 138 million in January of 1986. The relatively high holdings in January 1988 reflected the large number of deliveries to processors the previous year. In December 1988 there were 235 million pounds in cold storage, about the same as December 1987, but up sharply from the 147 million pounds of December 1986. Holdings had dropped to 162 million pounds in March but that was 62 million pounds more than in March of 1987. Holdings accumulated sharply in June with the commitment of new crop berries into storage.

Imports of frozen berries in 1988 totaled 62 million pounds, down from the 77 million pounds imported in 1987. Mexico again accounted for the overwhelming majority of the imports, almost 86 percent in 1988, while Poland's share declined to only 4 percent of the total.

##### Oregon

Total production of strawberries for processing and fresh market came to 101.4 million pounds, making Oregon

the third largest producer behind California and Florida. Area harvested remained the same at 7,800 acres but the yield per acre rose to 13,000 pounds, versus 12,000 pounds in 1987. In 1988 a total of 96.4 million pounds were delivered to processors, an increase of 8 percent over 1987. According to the Agricultural Statistics Board the average price per pound price for processing berries dropped from 32c in 1987 to 28.9c in 1988. Deliveries to processors began in earnest the first week in June, reached their peak the last week in June and continued until the last week of July.

##### Washington

Total production, fresh market and processing, in 1988 totaled 22.1 million pounds, with 19.6 million pounds going to processors, a decrease of 8 percent from 1987. Total acreage harvested remained about the same and 2,400 acres versus 2,500 acres in 1987. Yield per acre dropped to 9,200 pounds in 1988 from 9,600 in 1987. The average price for processing berries dropped to 28c in 1988 from 32c in 1987. Deliveries to processors began the first week in June, reached their peak in the last week of June and ended the season the last week in July.

#### RED RASPBERRIES

California acreage of raspberries was estimated at 500 acres by the California Agricultural Statistics Service, up 19 percent from acreage in 1987. Most production was for fresh market, with only a small amount going to processors. California shipments of fresh raspberries totaled 2.3 million flats for 1988. (This is the first year that the Federal-State Market News Service reported fresh raspberry shipments.) There were two main crops during the year: one with shipments heavy in June and the other with shipments heavy on September, which was also the peak month of the season.

California shipping point prices were first reported the last week of May with fresh raspberries ranging between \$12.00 and \$15.00 for a tray of twelve one-half pints. Prices fluctuated between \$12.00 and \$16.00 throughout June and between \$10.00 and \$20.00 in July. In August the price range was a steady \$10.00 to \$12.00 and in the middle of September it dropped to \$6.00-8.00 for a two week period, gradually rising through October and ending the season with a \$12.00 to \$16.00 range. A total of 4.2 million flats were imported into the U. S. in 1988, with Canada accounting for 4.0 million flats.

Cold storage holdings of red raspberries were 39.6 million pounds at the end of 1988, a 10 percent increase over 1987. An average of 36.9 million pounds was held in cold storage throughout 1988 compared to 33.6 million



pounds in 1987. In Oregon deliveries to processors in 1988 were down 13 percent, to 17.7 million pounds. In Washington deliveries were down 16 percent to 17.0 million pounds.

#### BLACKBERRIES

Cold storage holdings of frozen blackberries in 1988 averaged 20 million pounds, a slightly increase over the 1987 average of 19 million pounds. The year ended with 23.5 million pounds in cold storage, about one million pounds more than at the end of 1987. Deliveries to processors dropped in all three of the major producing states. Although California and Washington both cut deliveries by about half, Oregon, the largest producer, dropped deliveries by only 10 percent and the grand total of all three states was, at 32.3 million pounds, only 11.5 percent less in 1988 than it had been in 1987.

California deliveries to processors in 1988 were only 457 thousand pounds compared to 776 thousand pounds the previous year, a decrease of 41 percent. Deliveries ended the middle of August, later than in 1987. California acreage harvested increased 33 percent, and by far the greatest percentage of the crop went to fresh market.

Oregon deliveries to processors totaled 31.5 million pounds for 1988, down from 34.9 million pounds in 1987. They started and ended later than the previous year, peaking the last two weeks of July, two weeks later than in 1987 and 1986.

Washington deliveries were down to 346 thousand pounds compared to 848 thousand pounds in 1987. The season was late starting and ending and peaked the last week in August.

#### BLACK RASPBERRIES

In Oregon deliveries to processors totaled 3.4 million pounds in 1988, a 23 percent drop from 1987. In Washington, deliveries dropped to 3.8 thousand pounds, only 5 percent of the 1987 total.

#### BOYSENBERRIES

Deliveries to processors in California in 1988 totaled 2.1 million pounds, a 17 percent drop from 1987. Deliveries peaked in the middle of June, one to two weeks later than in the last two years. Acreage was estimated at 400, a drop of 11 percent from 1987. Most of the production was in the San Joaquin-Stanislaus county area. In Oregon deliveries of 5.3 million pounds was slightly higher than 1987, as was Washington's 32 thousand pounds. The year ended with 3.9 million pounds of boysenberries in cold storage, an 18 percent decrease from the end of 1987 when 4.6 million pounds were in cold storage.

#### BLUEBERRIES

At the end of 1988 there were 67.5 million pounds of blueberries in cold storage, a 33 percent increase over 1987. Total deliveries to processors for the major states were up 12 percent to 102.9 million pounds. Only Michigan deliveries were down, a 17 percent drop to 31.8 million pounds. All other states were up somewhat with Maine showing an increase of 44 percent, from 36.3 million pounds in 1987 to 52.3 million in 1988. Oregon, Washington, New Jersey and North Carolina deliveries increased between 5 and 18 percent.

**Table 1. --STRAWBERRIES: Shipments of fresh strawberries from California (by district) and Florida, by carrier and months, 1988**

Origin	January	February	March	April	May	June	July
<u>1,000 Flats - (12,000 lbs)</u>							
<b>CALIFORNIA</b>							
San Diego County							
Truck	38.0	162.3	646.1	983.8	357.1	108.8	-
Air	.3	2.9	.2	-	-	-	-
Orange-L.A. Counties							
Truck	33.0	524.5	1,859.7	2,651.1	994.2	226.5	.6
Air	1.6	30.9	23.3	3.9	1.2	-	-
Oxnard							
Truck	20.6	762.5	2,843.8	4,800.9	2,461.9	641.7	-
Air	-	25.5	44.1	24.4	16.1	2.9	-
San Joaquin Valley							
Truck	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-
Santa Maria District							
Truck	-	15.9	716.9	2,099.8	3,195.4	2,074.9	495.0
Air	-	-	4.4	7.0	4.3	2.2	-
Salinas-Watsonville-							
Santa Clara Valley							
Truck	-	-	179.7	2,799.1	4,994.6	5,204.3	5,145.9
Air	-	-	11.8	53.4	118.6	101.2	184.9
Total Truck	91.6	1,465.2	6,246.2	13,334.7	12,003.2	8,256.2	5,641.5
Total Air	1.9	59.3	83.8	88.7	140.2	106.3	184.9
<b>CALIFORNIA TOTAL</b>	<b>93.5</b>	<b>1,524.5</b>	<b>6,330.0</b>	<b>13,423.4</b>	<b>12,143.4</b>	<b>8,362.5</b>	<b>5,826.4</b>
<b>FLORIDA</b>							
Truck	757.5	494.2	1,978.3	768.3	81.7	-	-
Air	40.0	10.8	-	-	-	-	-
<b>FLORIDA TOTAL</b>	<b>797.5</b>	<b>505.0</b>	<b>1,978.3</b>	<b>768.3</b>	<b>81.7</b>	<b>-</b>	<b>-</b>

**Table 2. --STRAWBERRIES: Total shipments of fresh strawberries from California and Florida and imports by months and origin, 1988**

Origin	January	February	March	April	May	June	July
<u>1,000 Flats - (12,000 lbs)</u>							
California	93.5	1,524.5	6,330.0	13,423.4	12,143.4	8,362.5	5,826.4
Florida	797.5	505.0	1,978.3	768.3	81.7	-	-
Louisiana	-	-	-	139.2	41.7	-	-
Canada	-	-	3.3	-	-	33.3	3.3
Costa Rica	15.8	14.2	3.3	-	-	-	-
France	-	-	1.7	1.7	-	-	-
Guatemala	2.5	12.5	5.0	1.7	1.7	-	-
Israel	-	-	-	-	-	-	-
Mexico	219.2	289.2	780.8	582.5	438.3	380.0	63.3
New Zealand	.8	-	-	-	-	-	-
Others*	-	-	-	-	-	-	-
<b>TOTAL 1988</b>	<b>1,129.3</b>	<b>2,345.4</b>	<b>9,102.4</b>	<b>14,916.8</b>	<b>12,706.8</b>	<b>8,775.8</b>	<b>5,893.0</b>
<b>TOTAL 1987#</b>	<b>1,224</b>	<b>1,350</b>	<b>5,101</b>	<b>15,648</b>	<b>12,815</b>	<b>6,939</b>	<b>4,530</b>

\* In 1988 Other countries included Australia and Chile; in 1987 Other countries included the Bahamas, Panama and Venezuela.

# Rounded to nearest whole number.

Table 1. --STRAWBERRIES: Continued . . .

Origin	August	September	October	November	December	Total 1988	Total 1987#
<u>1,000 Flats - (12,000 lbs)</u>							
CALIFORNIA							
San Diego County							
Truck	-	-	-	-	-	2,296.1	2,173
Air	-	-	-	-	-	3.4	12
Orange-L.A. Counties							
Truck	-	-	-	-	-	6,289.6	5,589
Air	-	-	-	-	-	60.9	119
Oxnard							
Truck	-	-	-	-	-	11,531.4	9,064
Air	-	-	-	-	-	113.0	155
San Joaquin Valley							
Truck	-	-	-	-	-	-	-
Air	-	-	-	-	-	-	-
Santa Maria District							
Truck	520.6	382.4	297.3	139.5	49.0	9,986.7	9,217
Air	-	-	2.5	2.7	-	23.1	11
Salinas-Watsonville- Santa Clara Valley							
Truck	3,019.4	1,940.8	1,111.5	254.1	8.0	24,657.4	21,138
Air	182.7	238.2	201.0	27.0	-	1,118.8	914
Total Truck	3,540.0	2,323.2	1,408.8	393.6	57.0	54,761.2	47,181
Total Air	182.7	238.2	203.5	29.7	-	1,319.2	1,211
CALIF. TOTAL	3,722.7	2,561.4	1,612.3	423.3	57.0	56,080.4	48,392
-----							
FLORIDA							
Truck	-	-	-	23.3	366.7	4,470.0	3,541
Air	-	-	-	2.5	20.0	73.3	51
FLORIDA TOTAL	-	-	-	25.8	386.7	4,543.3	3,592

Table 2. --STRAWBERRIES: Continued . . .

Origin	August	September	October	November	December	Total 1988	Total 1987
<u>1,000 Flats - (12,000 lbs)</u>							
California	3,722.7	2,561.4	1,612.3	423.3	57.0	56,080.4	48,392
Florida	-	-	-	25.8	386.7	4,543.3	3,592
Louisiana	-	-	-	-	-	180.9	101
Canada	-	-	-	-	-	39.9	23
Costa Rica	-	.8	9.2	24.2	-	67.5	24
France	-	-	-	-	-	3.4	-
Guatemala	-	-	.8	12.5	-	36.7	32
Israel	-	-	7.5	-	-	7.5	4
Mexico	5.0	9.2	35.8	103.3	151.7	3,058.3	2,415
New Zealand	-	-	4.2	-	-	5.0	9
Others*	-	-	-	.8	1.7	2.5	4
TOTAL 1988	3,727.7	2,571.4	1,669.8	589.9	597.1	64,025.4	
TOTAL 1987#	3,276	2,091	979	266	388		54,609

Table 3. STRAWBERRIES: Weekly range of Southern and Central California shipping point prices, 1988

Date	SOUTHERN CALIFORNIA		CENTRAL CALIFORNIA	
	<u>Oxnard District</u>	<u>Orange &amp; San Diego Counties</u>	<u>Salinas/Watsonville District</u>	<u>Santa Maria District</u>
	<u>Dollars per 12-pint tray 2/</u>			
Range for Week Ending				
Feb 13	<u>Medium-large</u> 14.00	<u>Medium-large</u> 12.00-14.00	-	-
20	10.00-12.00	10.00-12.00	-	-
27	10.00-12.00	10.00	-	-
Mar 5	10.00-12.00	10.00	-	-
12	10.00-12.00	10.00	-	<u>Medium-Large</u>
19	10.00-12.00	8.00-10.00	-	10.00-12.00
26	7.00-10.00	6.00-9.00	-	7.00-10.00
Apr 2	5.00-8.00	4.00-6.00	<u>Medium-large</u> 5.00-6.00	5.00-8.00
9	3.00-5.00	3.00-4.00	4.00-6.00	4.00-6.00
16	3.50-5.00	3.00-4.00	4.00-6.00	4.00-6.00
23	<u>Medium-large/Medium</u> 3.50-8.00	<u>Medium-large/Medium</u> 3.00-6.00	6.00-8.00	6.00-8.00
30	6.00-8.00	4.00-6.00	7.00-8.00	7.00-8.00
May 7	7.00-8.00	5.00-6.00	8.00	8.00
14	<u>Medium</u> 4.00-8.00	<u>Medium</u> 4.00-6.00	5.00-8.00	5.00-8.00
21	3.50-4.00*	3.00-4.00*	4.00-6.00	<u>Medium-Large/Medium</u> 4.00-6.00
28	4.00-5.00*	3.50-4.00*	4.00-7.00	4.00-6.00
June 4	5.00-6.00	4.00-5.00	6.00-9.00	5.00-8.00
11	5.00-7.00	4.00-5.00	8.00-9.00	5.00-9.00
18	----- Finished for Season -----		4.00-8.00	3.00-6.00
25	-	-	4.00-6.00	3.00-6.00
July 2	-	-	<u>Medium-large/Medium</u> 5.00-7.00	5.00-7.00
9	-	-	6.00-8.00	6.00-8.00
16	-	-	5.00-10.00	5.00-10.00
23	-	-	4.00-9.00	4.00-9.00
30	-	-	3.00-5.00	3.00-5.00
Aug 6	-	-	4.00-6.00	4.00-6.00
13	-	-	5.00-8.00	5.00-8.00
20	-	-	5.00-8.50	5.00-8.50
27	-	-	6.00-9.00**	6.00-9.00**
Sep 3	-	-	<u>Small-medium</u> 7.00-10.00	<u>Small-medium</u> 7.00-10.00
10	-	-	7.00-10.00	7.00-10.00
17	-	-	5.00-10.00	5.00-10.00
24	-	-	6.00-9.00	6.00-9.00
Oct 1	-	-	3.00-9.00	3.00-9.00
8	-	-	3.00-8.00	3.00-8.00
15	-	-	3.00-8.00	3.00-8.00
22	-	-	7.00-14.00	7.00-14.00
29	-	-	10.00-15.00	10.00-15.00

Note: Precooling, palletizing and other services extra.

\*Small-medium.

\*\*Medium/Small-medium.

Table 4. STRAWBERRIES: Wholesale market prices of California strawberries - 1988

Week beginning	BOSTON <u>1/</u>	CHICAGO <u>1/</u>	LOS ANGELES <u>1/</u>	NEW YORK CITY <u>1/</u>	PHILA-DELPHIA <u>1/</u>	SAN FRANCISCO <u>2/</u>
	Per Pint Med-lge	12-pint trays Lge & Med-lge	12-pint trays Mostly Med-lge	Per Pint Med-lge	12-pint trays Med-lge	12-pint trays Lge & Med-lge
Jan. 4	-	-	16.00-22.00	-	-	-
11	-	-	16.00-18.00	-	-	-
18 (H)	-	-	18.00-20.00	2.00-2.50*	24.00	20.00-22.00
26	-	-	24.00-25.00	-	-	24.00-25.00
Feb. 1	2.00-2.25	-	15.00-22.00	2.00-2.50*	-	20.00-24.00
8	1.50	19.00-20.00	15.00-16.00	1.75*	19.00-22.00	18.00-20.00
15 (H)	1.50-1.75	18.00-20.00	9.00-12.00	1.50	18.00-20.00	12.00-14.00
22	1.10-1.25	15.00-16.00	10.00-14.00	1.25	12.00-13.00	12.00-14.00
29	1.25	15.00	11.00-16.00	1.25-1.50	14.00-16.00	12.00-14.00
Mar. 7	1.25	18.00-20.00	9.00-15.00	1.50	16.00	11.00-12.00
14	1.35-1.40	16.00-17.00	8.00-14.00	1.10-1.25	13.00-14.00	13.00-14.00
21	1.15	16.00	8.00-15.00	1.15-1.25	13.00	13.00-14.00
28	80-90c	10.00	5.00-10.00	65-75c	8.00-10.00	10.00
Apr. 4	70c	7.00-8.00	4.00-8.00	60-65c	7.00-8.00	7.00
11	60c	7.00-8.00	4.00-7.00	50-60c	4.00-6.00	6.00-7.00
18	1.00-1.10	11.00-12.00	6.50-8.50	60-70c	9.00	8.00-8.50
25	80c	12.00-13.00	8.00-10.00	80-90c	11.00-12.00	9.50-10.00
May 2	1.10-1.35	12.00	6.00-10.00	1.00-1.25	11.50-12.00	9.50-10.00
9	1.00-1.40	13.00	5.00-10.50	1.00-1.25	11.00-12.00	9.50-10.50
16	75-80c	9.00-10.00	3.00-8.00	60-75c	6.00-7.00	7.00-8.00
23	75-80c	8.00-9.00	3.00-9.00	70-75c	6.00-7.00	6.50-7.50
31 (H)	80-90c	12.00-13.00	6.50-9.00	1.10-1.25	12.00	6.50-7.50
June 6	1.25-1.35	15.00-16.00	8.00-10.00	1.35	12.00	8.00-10.00
13	1.10	12.00	6.00-9.00	90c-1.00	9.00-10.80	7.50-8.50
20	60c	6.00-7.00	4.50-7.00	60-70c	6.00-7.00	6.00-6.50
27	60-70c	7.50-8.00	5.00-8.00	50-60c	7.00	6.50-7.50
July 4 (H)	1.00	12.00-14.00	7.00-8.50	80-90c	9.00-10.00	7.50-8.50
11	1.00-1.50	15.00	8.00-10.50	1.15-1.25	12.00	8.00-8.50
18	1.25-1.35	13.50-14.00	5.00-8.00	75-90c	9.00-10.80	7.00-9.00
25	1.00-1.15	10.00	6.50-7.50	50-65c	-	7.00-8.00
Aug. 1	75-90c	9.00	3.00-6.00	40-60c	-	6.50-7.00
8	90c-1.00	9.00	6.00-8.00	75-90c	-	7.50-8.50
15	90c	13.00-14.00	7.00-9.00	85-90c	9.00-10.20	7.50-9.00
22	90c-1.00	14.00	8.50-10.50	90c-1.00	9.00-10.00	8.00-9.00
29	75c-1.00	15.00	11.00-12.50	1.15-1.25	9.00-10.00	9.00-13.00
Sep. 5 (H)	1.00	15.00	9.00-11.00	1.10-1.25	12.00-14.00	10.00-13.00
12	1.00-1.25	12.00	8.00-11.00	1.25-1.50	10.00-12.00	8.00-11.00
19	85c-1.00	12.00	8.00-12.00	1.00-1.15	8.40-10.00	8.00-11.00
26	90c	12.00-13.00	9.00-12.50	1.25-1.35	9.00-12.00	12.50-14.00
Oct. 3	75c	12.00	9.00-12.00	1.00-1.25	-	12.50-14.00
10 (H)	65c	8.00	5.00-10.00	1.00-1.50	-	11.50-13.50
17	75c	8.00	10.00-14.00	1.00-1.25	12.00	11.50
24	1.15	15.00	13.00-18.00	1.00-1.50	17.00	11.50-14.00
31	1.00-1.25	14.00	14.00-18.00	1.00-1.50	15.00	14.00-18.00
Nov. 7	1.25	15.00	13.00-20.00	75c-1.00	15.00	18.50-21.00
14 (H)	90c-1.00	14.00	16.00-18.00	75c-1.00	15.00	23.00-24.00
21	1.25	15.00-16.00	22.00-24.00	1.00	18.00-24.00	20.00-24.00
28	-	-	20.00-23.00	-	21.00-22.00	35.00-36.00
Dec. 5	-	-	20.00-26.00	-	24.00	-
12	-	-	15.00-20.00	-	21.00	12.00-15.00
19	-	10.00	20.00-24.00	-	-	20.00
26 (H)	-	-	20.00-24.00	-	-	-

1/ Monday prices, except Tuesday prices when Monday is federal holiday. 2/ Wednesday prices.

\* Large

(H) Holiday

Note: Eastern cities may include some air.

**Table 5. STRAWBERRIES: Air and Truck Arrivals of California Strawberries in 23 U.S. and 5 Canadian Cities, in Units of 1,000 Trays or 12,000 Pounds, 1988.**

City	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	1988	1987*
Atlanta, Ga.	-	9.2	16.7	67.5	96.7	105.8	48.3	54.2	39.2	25.8	12.5	.8	476.7	532
Baltimore, Md. and Washington, D.C.	-	9.2	75.0	245.8	210.0	225.8	100.0	105.0	46.7	37.5	15.0	.8	1070.8	959
Boston, Mass	3.3	54.2	190.8	390.9	295.9	323.3	182.5	146.7	88.3	63.3	33.3	1.6	1774.1	1542
Buffalo, N.Y.	-	1.7	8.3	68.3	63.3	65.8	30.0	12.5	5.8	3.3	.8	-	259.8	192
Chicago, Ill.	-	49.1	134.2	388.4	346.7	333.4	201.7	185.8	111.6	76.6	30.8	3.3	1861.6	1824
Cincinnati, Ohio	-	11.7	105.0	290.0	240.0	198.3	120.8	66.7	33.3	25.8	13.3	1.7	1106.6	850
Columbia, S.C.	-	-	-	8.3	7.5	10.0	6.7	4.2	3.3	1.7	1.7	-	43.4	53
Dallas, Texas	-	13.3	76.7	125.0	110.0	70.0	71.7	62.5	54.2	36.7	23.3	.8	644.2	728
Denver, Colo.	-	4.2	85.8	159.2	75.8	48.3	30.0	26.7	17.5	5.0	5.0	.8	458.3	423
Detroit, Mich.	.8	6.7	20.8	117.5	145.0	117.5	105.0	63.3	56.7	26.7	11.7	-	671.7	690
Los Angeles, Calif.	23.3	102.5	240.0	350.0	228.3	274.2	285.8	342.5	159.2	135.0	65.0	25.0	2230.8	1792
Miami, Florida	-	2.5	8.3	16.7	20.8	15.8	12.5	12.5	3.3	.8	.8	-	94.0	NA
New Orleans, La.	.8	.8	5.8	54.2	35.8	35.0	24.2	16.7	10.8	8.3	3.3	.8	196.5	153
New York, N.Y. and Newark, N.J.	-	94.2	253.3	370.0	220.8	188.3	93.3	104.2	31.7	43.3	30.8	5.0	1434.9	2770
Philadelphia, Pa.	1.6	35.0	131.7	332.5	315.8	238.3	166.7	143.3	73.3	91.7	26.6	11.6	1568.1	1358
Pittsburgh, Pa.	-	4.2	47.5	185.8	239.2	135.0	58.3	40.0	26.7	18.3	7.5	.8	763.3	730
St. Louis, Mo.	-	10.0	64.2	190.0	199.2	114.2	54.2	32.5	20.0	12.5	4.2	1.7	702.7	613
San Francisco and Oakland, Calif.	10.8	62.5	160.8	329.2	355.0	281.7	197.5	150.8	95.0	65.0	34.2	10.0	1752.5	1723
Seattle & Tacoma, Wash.	2.5	20.8	85.0	184.2	153.3	164.2	105.0	75.8	30.8	15.8	8.3	.8	846.5	768
-----														
Total Air	.8	19.2	30.8	30.1	48.4	45.8	30.9	38.4	30.8	19.9	11.6	3.2	309.9	318
Total Truck	42.3	472.6	1679.1	3843.4	3310.7	2899.1	1863.3	1607.5	876.6	673.2	316.5	62.3	17646.6	17382
<b>TOTAL U. S.</b>	<b>43.1</b>	<b>491.8</b>	<b>1709.9</b>	<b>3873.5</b>	<b>3359.1</b>	<b>2944.9</b>	<b>1894.2</b>	<b>1645.9</b>	<b>907.4</b>	<b>693.1</b>	<b>328.1</b>	<b>65.5</b>	<b>17956.5</b>	<b>17700</b>
-----														
<b>Canada: (Truck)</b>														
Montreal, Quebec	.8	.8	11.7	66.7	117.5	145.8	19.2	78.3	27.5	31.7	-	-	500.0	380
Ottawa, Ontario	-	1.7	10.8	36.7	43.3	23.3	-	-	-	-	-	-	115.8	133
Toronto, Ontario	17.5	25.8	68.3	249.2	432.5	337.5	137.5	137.5	71.7	46.7	-	-	1,524.2	1,703
Vancouver, B.C.	-	4.2	60.0	206.7	74.2	90.8	21.7	30.8	15.8	10.8	-	-	515.0	484
Winnipeg, Manitoba	-	4.2	15.0	35.0	35.8	39.2	17.5	15.8	7.5	4.2	-	-	174.2	130
<b>TOTAL CANADA</b>	<b>18.3</b>	<b>36.7</b>	<b>165.8</b>	<b>594.3</b>	<b>703.3</b>	<b>636.6</b>	<b>195.9</b>	<b>262.4</b>	<b>122.5</b>	<b>93.4</b>	<b>-</b>	<b>-</b>	<b>2829.2</b>	<b>2830</b>
-----														
<b>GRAND TOTAL 1988</b>	<b>61.4</b>	<b>528.5</b>	<b>1875.7</b>	<b>4467.8</b>	<b>4062.4</b>	<b>3581.5</b>	<b>2090.1</b>	<b>1908.3</b>	<b>1029.9</b>	<b>786.5</b>	<b>328.1</b>	<b>65.5</b>	<b>20785.7</b>	
<b>1987*</b>	<b>147</b>	<b>531</b>	<b>1030</b>	<b>4447</b>	<b>4857</b>	<b>3584</b>	<b>2109</b>	<b>1530</b>	<b>1350</b>	<b>675</b>	<b>216</b>	<b>54</b>		<b>20530</b>

\* Rounded to nearest whole number.

Table 6. --STRAWBERRIES: Deliveries of strawberries to processors and prices paid to growers by processors.

Week Ending	Price to Growers per pound*				Deliveries to Processors					
	No. 1 Grade 1987	No. 1 Grade 1988	Juice 1987	Juice 1988	No. 1 Grade 1987	No. 1 Grade 1988	Juice Stock 1987	Juice Stock 1988	Total 1987	Total 1988
	Cents				1,000 Pounds					
Mar. 26	-	-	-	-	-	119**	2,877**	614**	2,879**	733**
Apr. 2	-	-	-	-	6**	164	2,870	1,690	2,876	1,854
9	-	-	-	-	24	1,490	4,158	3,567	4,182	5,057
16	-	-	12c	-	2,602	4,137	5,110	5,141	7,711	9,278
23	25-30.5c	-	12c	-	15,305	3,653	8,049	4,710	23,354	8,363
30	25-30.5c	-	10-12c	-	23,673	2,519	5,313	2,027	28,986	4,546
May 7	25-30.5c	-	8-12c	-	21,323	2,532	2,304	1,166	23,627	3,698
14	25-30.5c	-	8-12c	-	22,293	3,352	1,649	1,590	23,942	4,942
21	25-30.5c	-	8-12c	-	15,384	4,808	767	1,258	16,151	6,066
28	25-30.5c	-	8-12c	-	10,906	11,458	579	705	11,485	12,163
June 4	25-30.5c	23c	8-12c	5c	9,896	14,360	611	899	10,507	15,259
11	25-32c	23c	8-12c	5c	10,149	15,931	326	713	10,475	16,644
18	25-32c	23c	8-12c	5c	15,868	22,762	515	643	16,382	23,405
25	25-32c	23c	8-12c	5c	19,768	24,570	194	367	19,962	24,937
July 2	25-32c	23c	8-12c	5c	16,149	19,866	171	233	16,320	20,099
9	25-32c	23c	8-12c	5c	12,662	13,108	295	350	12,957	13,458
16	25-32c	23c	8-12c	5c	8,929	6,312	628	280	9,557	6,592
23	25-32c	23-25c	8-12c	5c	3,881	4,622	512	356	4,393	4,978
30	25-35c	23-25c	8-12c	5c	3,411	5,793	-	281	3,411	6,074
Aug 6	25-35c	23-25c	8-12c	5c	3,063	5,480	264	248	3,327	5,728
13	25-35c	23-25c	8-12c	5c	1,835	4,337	364	254	2,199	4,591
20	25-35c	23-25c	8-12c	5c	907	2,461	262	225	1,169	2,686
27	32-35c	23-25c	8-12c	5c	764	632	293	190	1,057	822
Sept. 3	32-35c	23-25c	8-12c	5c	752	203	259	161	1,010	364
10	32-35c	23c	8-12c	5c	1,077	97	198	155	1,276	252
17	25-32c	23c	8-10c	5c	848	93	236	152	1,083	245
24	25-32c	23c	8-10c	5c	443	79	177	112	620	191
Oct. 1	25-35c	23c	8-10c	5c	209	64	118	139	327	203
8	25-35c	23c	8-10c	5c	141	54	42	161	182	215
15	25-35c	23c	8-10c	5c	100	58	107	62	207	120
22	25-35c	23c	8-10c	5c	121	-	105	-	226	-
29	-	-	-	-	6	-	126	-	132	-
<b>TOTAL</b>	-	-	-	-	<b>222,492</b>	<b>175,114</b>	<b>39,478</b>	<b>28,449</b>	<b>261,970</b>	<b>203,563</b>

\* Stemmed, delivered to processing plant or receiving station, containers furnished.

\*\* Total to date.

Note: Totals may not add, due to rounding.

Source: Processing Strawberry Advisory Board of California.

Table 7. --STRAWBERRIES: Deliveries to Oregon and Washington processors, by weeks, 1986-1988.

Week Ending	1986	1987	1988
		<u>Pounds</u>	
		- OREGON -	
May 28	1,316,475	8,465,162	-
June 4	10,735,118	23,410,555	696,768
11	17,731,488	28,188,110	8,134,143
18	17,399,849	22,218,122	25,931,706
25	9,884,713	6,538,770	32,273,888
July 2	1,550,145	544,102	21,905,122
9	212,165	205,477	6,962,797
16	43,854	-	499,510
Total	58,873,807	89,570,298	96,403,934
		- WASHINGTON -	
May 28	78,601	-	-
June 4	501,162	320,459	119,977
11	1,294,435	3,660,139	429,942
18	3,095,287	7,679,261	6,449,519
25	2,294,611	5,831,689	7,151,156
July 2	1,147,945	3,075,923	4,028,344
9	174,208	624,274	967,774
16	36,521	-	369,110
23	-	-	47,810
Total	8,622,770	21,191,745	19,563,632

Source: Reports prepared by the Yakima Federal-State Market News Office.

Table 8. --STRAWBERRIES: California frozen strawberry pack, 1986-1988.

	1986	1987	1988
		<u>1,000 pounds</u>	
CALIFORNIA			
Whole	77,468	112,596	95,404
Sliced	<u>101,888</u>	<u>136,783</u>	<u>92,862</u>
TOTAL CALIFORNIA PACK	179,356	249,379	188,266
TOTAL U. S. PACK	237,604	334,406	274,610

Source: American Frozen Food Institute.



Table 9. STRAWBERRIES: Imports of frozen strawberries into the United States, by years, in one thousand pound units.

Country	1986	1987	1988
Australia	-	51	-
Brazil	-	-	44
Canada	583	606	1,646
Chile	1,159	1,991	614
Costa Rica	42	68	35
Ecuador	1,636	871	1,350
France	104	1	8
Guatemala	678	2,280	992
Honduras	-	-	1,399
Hungary	39	-	-
Ivory Coast	-	-	-
Jamaica	26	8	3
Malaysia	-	-	45
Mexico	38,976	65,414	53,271
New Zealand	171	-	-
Netherlands	-	58	-
Poland	6,633	4,541	2,731
Spain	44	167	3
Sweden	-	-	2
Switzerland	1	6	2
Turkey	41	-	-
United Kingdom	44	712	-
Venezuela	-	1	-
West Germany	36	-	-
Yugoslavia	1,038	-	-
<b>Total</b>	<b>51,251</b>	<b>76,775</b>	<b>62,145</b>

Source: U. S. Department of Commerce

Table 10. --STRAWBERRIES: Frozen imports from Mexico and Poland into the United States, by months. (In one thousand pound units.)

Month	Mexico			Poland		
	1986	1987	1988	1986	1987	1988
January	478	3,465	1,358	737	468	147
February	814	11,245	343	551	396	14
March	8,424	15,897	8,265	617	862	504
April	8,010	13,628	10,293	722	971	432
May	7,315	5,648	12,612	395	613	360
June	2,845	6,493	9,709	360	252	536
July	4,826	2,608	5,123	-	144	357
August	1,218	1,305	1,702	760	36	108
September	432	1,278	1,754	683	281	69
October	850	1,877	713	546	144	104
November	980	992	918	649	177	36
December	2,784	978	481	613	197	64
<b>Total</b>	<b>38,976</b>	<b>65,414</b>	<b>53,271</b>	<b>6,633</b>	<b>4,541</b>	<b>2,731</b>

Source: U. S. Department of Commerce.

Table 11. --STRAWBERRIES: Acreage production and value, fresh market and processing, 1987-1988.

State	Total Production		Acreage Harvested		Yield Per acre		Average Price		Value	
	1 million lbs		1,000 Acres		100 lbs		Cents per lb		\$1 million	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Arkansas	1.1	1.2	.2	.3	50	46	48.0	44.0	.5	.5
California	823.2	862.4	16.8	17.6	490	490	49.5	45.1	407.7	389.0
Florida	110.3	125.0	4.9	5.0	225	250	60.8	59.1	67.1	73.9
Louisiana	4.3	5.3	.6	.7	72	75	50.0	56.0	2.2	3.0
Michigan	13.2	12.7	2.2	2.3	60	55	47.2	47.9	6.2	6.1
New Jersey	4.2	3.2	.8	.7	53	46	68.0	72.2	2.9	2.3
New York	16.0	12.0	2.8	2.5	57	48	56.9	43.1	9.1	8.8
North Carolina	4.6	4.6	2.1	2.1	22	22	49.9	49.2	2.3	2.3
Ohio	7.3	7.3	1.4	1.3	52	56	61.0	69.0	4.5	5.0
Oregon	93.6	101.4	7.8	7.8	120	130	33.7	31.0	31.5	31.4
Pennsylvania	5.5	5.6	1.3	1.3	42	43	82.6	99.5	4.5	5.6
Washington	24.0	22.1	2.5	2.4	96	92	34.1	30.9	8.2	6.8
Wisconsin	<u>4.4</u>	<u>4.1</u>	<u>1.2</u>	<u>1.0</u>	<u>37</u>	<u>41</u>	<u>57.0</u>	<u>64.0</u>	<u>2.5</u>	<u>2.6</u>
Total*	1,111.7	1,166.9	44.6	45.0	249	260	49.4	46.0	549.1	537.3

\* Totals may not add due to rounding of individual figures.

Source: Agricultural Statistics Board, NASS, USDA "Vegetables," January, 1989

Table 12. --STRAWBERRIES: Production and value, for processing, 1987-1988.

State	Total Production		Average Price		Value	
	1 million lbs		Cents per pound		\$1 million	
	1987	1988	1987	1988	1987	1988
California	223.0	205.0	26.7	23.0	59.5	47.2
Michigan	4.0	4.0	33.3	37.4	1.3	1.5
Oregon	88.0	95.0	32.0	28.9	28.2	27.5
Washington	<u>21.5</u>	<u>19.6</u>	<u>32.0</u>	<u>28.0</u>	<u>6.9</u>	<u>5.5</u>
Total*	336.5	323.6	28.5	25.2	95.9	81.6

\*Totals may not add due to rounding of individual figures

Source: Agricultural Statistics Board, NASS, USDA "Vegetables," January, 1989"

Table 13. --STRAWBERRIES: Production and value for fresh market, 1987-1988.

State	Total Production 1 million pounds		Average Price Cents per pound		Value \$1 million	
	1987	1988	1987	1988	1987	1988
Arkansas	1.1	1.2	48.0	44.0	.5	.5
California	600.2	657.4	58.0	52.0	348.1	341.8
Florida	110.3	125.0	60.8	59.1	67.1	73.9
Louisiana	4.3	5.3	50.0	56.0	2.2	3.0
Michigan	9.2	8.7	53.2	52.7	4.9	4.6
New Jersey	4.2	3.2	68.0	72.2	2.9	2.3
New York	16.0	12.0	56.9	73.1	9.1	8.8
North Carolina	4.6	4.6	49.2	49.2	2.3	2.3
Ohio	7.3	7.3	61.0	69.0	4.5	5.0
Oregon	5.6	6.4	60.0	62.0	3.4	4.0
Pennsylvania	5.5	5.6	82.6	99.5	4.5	5.6
Washington	2.5	2.5	52.0	54.0	1.3	1.4
Wisconsin	<u>4.4</u>	<u>4.1</u>	<u>57.0</u>	<u>64.0</u>	<u>2.5</u>	<u>2.6</u>
Total**	775.2	843.3	58.5	54.0	453.1	455.7

\*\*Totals may not add because of rounding

Source: Agricultural Statistics Board, NASS, USDA, "Vegetables," January 1989.

Table 14. --STRAWBERRIES: Acreage and production, California and Florida, 1987-1989.\*

	Acres			Yield per Acre			Production		
	Harvested	For Harvest	For Harvest	100 pounds			1 million pounds		
	1987	1988	1989	1987	1988	1989	1987	1988	1989
Florida, Winter	4,900	5,000	5,300	225	250	290	110.3	125.0	153.7
California, Spring	16,800	17,600	19,000	490	490	-	823.2	862.4	-

\*Includes fresh market and processing.

Source: "California Vegetable Review" - California Agricultural Statistics Service, Sacramento, California, March 1989.

Table 15. --STRAWBERRIES: California acreage by areas, 1987-1989

AREA	1987	1988	1989*
<u>Northern and Central California</u>			
Santa Clara-Alameda	220	200	250
Monterey-Santa Cruz	6,150	6,500	6,800
Santa Barbara-San Luis Obispo	2,900	3,200	4,050
Fresno-San Joaquin, Stanislaus & Other Northern & Central Coast Counties	230	200	200
	-----	-----	-----
Total	9,500	10,100	11,300
<u>Southern California</u>			
Los Angeles-Orange	2,680	2,700	2,600
Ventura	3,450	3,500	4,000
San Diego	940	1,000	900
Southern Coast Counties	230	300	200
	-----	-----	-----
Total	7,300	7,500	7,700
STATE TOTAL	16,800	17,600	19,000

\*Preliminary

Source: "California Vegetable Review" - California Agricultural Statistics Service,  
Sacramento, California, March 1989.

Table 16. --STRAWBERRIES: California acreage by variety.

1987: Chandler 4,560; Douglas 4,230; Pajaro 3,190; Selva 1,950; Aiko 400; Other (includes Driscoll, Parker, Soquel, Sequoia, Tioga, Tufts and other varieties) 2,470.

1988: Chandler 6,700; Douglas 3,000; Pajaro 2,500; Selva 2,200; Other (includes Aiko, Driscoll, Parker, Oso-Grande and other varieties) 3,200.

1989: Chandler 9,400; Selva 3,500; Pajaro 2,800; Douglas 600; Muir 600; Other (includes Aiko, Driscoll, Parker, Oso-Grande and other varieties) 2,100.

Source: "California Vegetable Review" - California Agricultural Statistics Service,  
Sacramento, California, March 1989.

Table 17. -- RASPBERRIES: Shipments of fresh raspberries from California by carrier, and months, 1988

Origin	April*	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Total
<u>1,000 Flats - (6,000 lbs)</u>										
CALIFORNIA **										
Total Truck	1.3	219.8	417.2	175.6	421.2	563.8	287.9	73.3	4.3	2,164.4
Total Air	.1	22.2	29.6	6.7	15.5	26.3	23.8	14.6	1.2	140.0
<b>CALIFORNIA TOTAL</b>	<b>1.4</b>	<b>242.0</b>	<b>446.8</b>	<b>182.3</b>	<b>436.7</b>	<b>590.1</b>	<b>311.7</b>	<b>87.9</b>	<b>5.5</b>	<b>2,304.4</b>

\* California raspberry shipments began in April.  
 \*\* Includes Salinas-Watsonville, Santa Maria and Oxnard Districts.

Table 18. -- RASPBERRIES: Total shipments of fresh raspberries from California and imports by months and origin, 1988

Origin	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
<u>1,000 Flats - (6,000 lbs)</u>													
California	-	-	-	1.4	242.0	446.8	182.3	436.7	590.1	311.7	87.9	.5	2,304.4
Australia	1.7	-	-	-	-	-	-	-	-	-	-	-	1.7
Canada	-	-	-	-	-	3.3	2,906.7	993.3	65.0	16.7	-	-	3,985.0
Chile	26.7	85.0	71.7	36.7	-	-	-	-	-	-	1.7	-	221.8
New Zealand	-	-	1.7	1.7	-	-	-	-	-	1.7	1.7	-	6.8
<b>TOTAL 1988</b>	<b>28.4</b>	<b>85.0</b>	<b>73.4</b>	<b>39.8</b>	<b>242.0</b>	<b>450.1</b>	<b>3,089.0</b>	<b>1,430.0</b>	<b>655.1</b>	<b>330.1</b>	<b>91.3</b>	<b>5.5</b>	<b>6,519.7</b>

Table 19. -- RASPBERRIES: Frozen pack, U. S., 1986-1988.

	1986	1987	1988
<u>Pounds</u>			
Black Raspberries	1,678,000	2,001,000	2,518,000
Red Raspberries	13,645,000	24,470,000	23,991,000
Total	<u>15,323,000</u>	<u>26,471,000</u>	<u>26,509,000</u>

Source: The American Frozen Food Institute, May 3, 1989.

Table 20. --- RED RASPBERRIES: Wholesale market prices of California red raspberries - 1988

Week beginning	BOSTON <u>1/</u>	CHICAGO <u>1/</u>	LOS ANGELES <u>1/</u>	NEW YORK CITY <u>1/</u>	PHILA-DELPHIA <u>1/</u>	SAN FRANCISCO <u>2/</u>
	Per 1/2 Pint	Per tray of 12 1/2 pints	Per tray of 12 1/2 pints	Per 1/2 Pint	Per tray of 12 1/2 pints	Per tray of 12 1/2 pints
Apr. 4	-	-	-	-	-	-
11	-	-	-	-	-	50.00
18	4.50	-	-	-	-	-
25	2.75-3.00	-	-	-	-	-
May 2	5.00	-	40.00-50.00	-	-	40.00-42.00
9	4.00-5.00	50.00-55.00	40.00-45.00	3.50-4.00	-	24.00-25.00
16	2.35-2.50	40.00-45.00	16.00-20.00	2.50-3.00	21.00-24.00	14.00-15.00
23	1.75c	-	12.00-15.00	1.50	15.00	10.00-12.00
31 (H)	1.25-1.50	20.00-22.00	12.00-15.00	1.25-1.50	16.00	10.00-12.00
June 6	1.25-1.50	30.00	12.00-14.00	1.75	-	12.00-14.00
13	1.50	-	15.00-20.00	1.75-2.00	20.00-21.00	14.00-18.00
20	1.50	20.00	15.50-18.00	1.75-2.00	18.00	16.00-18.00
27	1.25-1.50	19.00-20.00	15.00-18.00	1.50-2.00	12.00-18.00	12.00-14.00
July 4 (H)	1.25-1.50	18.00-19.00	15.00-18.00	1.35-1.50	12.00-15.00	16.00
11	1.50-1.75	15.00-20.00	17.00-22.00	1.50-1.75	15.00-18.00	16.00-18.00
18	1.50	-	13.00-17.00	1.75-2.00	18.00-21.00	26.00
25	1.25	14.00-15.00	12.00-15.00	1.50	-	10.00-12.00
Aug. 1	1.50	14.00-15.00	8.00-14.00	1.25	10.00-12.00	10.00-12.00
8	1.00-1.25	-	13.00-15.00	1.25	-	12.50-15.00
15	1.50	18.00-20.00	13.00-16.00	1.25-1.50	-	14.00-15.00
22	1.50-1.75	20.00-25.00	12.00-16.00	-	-	14.00-14.50
29	1.00	15.00-16.00	11.00-15.00	1.50	15.00-18.00	11.00-12.00
Sep. 5 (H)	75c	14.00	8.00-12.00	1.25-1.50	12.00	10.00-11.00
12	60-75c	12.00	7.00-12.00	1.50	10.00	8.00
19	1.00-1.50	10.00	8.00-10.00	1.00-1.25	10.00-12.00	8.00
26	1.25	15.00	10.00-14.00	1.00-1.25	12.00	12.50-14.00
Oct. 3	1.00-1.25	15.00	10.00-14.00	1.00-1.50	12.00	12.50-14.00
10 (H)	1.00-1.25	15.00-18.00	8.00-15.00	1.00-1.50	12.00-13.00	12.00-15.00
17	1.25	15.00	10.00-15.00	1.00-1.25	11.00	10.00-13.00
24	1.50-1.75	14.00-15.00	14.00-17.00	1.00-1.25	14.00-15.00	10.00-13.00
31	1.00-1.25	-	16.00-19.00	1.00-1.25	20.00	14.00-18.00
Nov. 7	1.25-1.50	-	18.00-22.00	-	21.00-24.00	18.50-21.00
14 (H)	1.00	-	18.00-25.00	-	28.00	18.00
21	3.50-5.00	-	24.00-32.00	-	-	-
28	-	-	24.00-32.00	-	-	36.00
Dec. 5	-	-	24.00-28.00	-	-	35.00-38.00
12	-	-	24.00-28.00	-	-	27.00
19	-	-	22.00-24.00	-	-	-
26 (H)	-	-	-	-	-	-

1/ Monday prices, except Tuesday prices when Monday is federal holiday. 2/ Wednesday prices.

(H) Holiday

Note: Prices for eastern cities may include some air shipments.

Table 21. RED RASPBERRIES: Weekly range of Central California shipping point prices, 1988.

Range for Week Ending	Dollars per Tray of 12 One-half pints	Range for Week Ending	Dollars per Tray of 12 One-half pints
		Aug 6	10.00-12.00
		13	10.00-12.00
May 28	12.00-15.00	20	10.00-12.00
		27	10.00-12.00
June 4	12.00-15.00		
11	12.00-15.00	Sep 3	8.00-12.00
18	15.00-16.00	10	6.00-8.00
25	12.00-16.00	17	6.00-8.00
		24	7.00-10.00
July 2	10.00-16.00		
9	15.00-18.00	Oct 1	7.00-12.00
16	18.00-20.00	8	7.00-10.00
23	10.00-20.00	15	8.00-12.00
30	10.00-15.00	22	8.00-14.00
		29	12.00-16.00

Source: San Francisco and Salinas Federal-State Market News

Table 22. -- BUSHBERRIES: California acreage, production and value, fresh market and processing, 1986-1988.

Year	Harvested Acres	Yield Per Acre	Utilization		Total Production	Value of Ton	Total Value	
			Processing	Fresh Basis				
			----- Tons -----			----- Dollars -----		
Boysenberries	1986	510	3.20	1,280	352	1,632	1,460	2,382,720
	1987	450	3.70	1,315	350	1,665	1,420	2,364,300
	1988	400	2.60	840	200	1,040*	3,668	3,814,400
Olallieberries	1986	200	4.50	315	585	900	1,590	1,431,000
	1987	150	5.30	275	520	795	1,604	1,275,180
	1988	200	5.40	380	700	1,080*	1,901	2,053,900
Raspberries**	1986	470	5.00	-	-	2,350	3,551	8,343,000
	1987	420	4.10	-	-	1,722	3,092	5,324,424
	1988	500	5.55	-	-	2,775*	3,172	8,802,600

\* Preliminary

\*\*Total only, to avoid disclosing individual operations. Raspberries are primarily fresh market.

Source: "California Vegetable Review," March 3, 1989, by the California Agricultural Statistics Service.

Table 23. -- BUSHBERRIES: Deliveries of blueberries, raspberries and loganberries to Oregon, Washington, Michigan, New Jersey, Maine and North Carolina processors, 1986-88.

State	1986	1987	1988
<u>Pounds</u>			
- BLUEBERRIES -			
Oregon	2,817,062	4,528,594	4,895,828
Washington	1,797,830	3,895,582	4,635,335
Michigan	40,163,229	38,275,743	31,824,328
New Jersey	7,297,565	4,436,542	4,659,556
Maine	40,168,820	36,330,166	52,300,000*
North Carolina	600,000	4,090,000	4,600,000
Total	92,844,506	91,556,627	102,915,047
- BLACK RASPBERRIES -			
Oregon	3,077,648	4,367,434	3,360,049
Washington	2,422	71,415	3,817
Total	3,080,070	4,438,849	3,363,866
- RED RASPBERRIES - **			
Oregon	11,787,179	20,305,553	17,724,805
Washington	9,088,928	20,279,447	17,009,920
Total	20,876,107	40,585,000	34,734,725
- LOGANBERRIES -			
Oregon	1,242,654	1,259,214	1,546,850

Source: Federal-State Market News offices in San Francisco, California, Yakima, Washington, and New Jersey Departments of Agriculture, the Maine Blueberry Commission, and the North Carolina Crop Reporting Service.

\*An additional 11.9 million pounds of Canadian blueberries were processed in Maine.

\*\*Red raspberries exported from British Columbia to the United States (includes fresh and processed): January 1988 through August 1988, 24,015,000 pounds. Value in Canadian dollars, \$18,022,000. Reported by Statistics Canada.



Table 24. --BUSHBERRIES: California commercial bearing acreage, by area, 1986-1989.

Type and Area	Acres Harvested			
	1986	1987	1988	Indicated 1989
Boysenberries				
Fresno-Tulare	170	150	110	130
San Joaquin-Stanislus	280	250	250	270
Other	60	50	40	60
	---	---	---	---
Totals	510	450	400	460
Olallieberries*	200	150	200	210
Raspberries	470	420	500	520

\*Includes blackberries.

Source: "California Vegetable Review," March 3, 1989, California Agricultural Statistics Service, Sacramento, California.

Table 25. --FROZEN BERRIES: United States Cold Storage Holdings, by months, on last day of month, 1987-1988.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
<u>Thousands of Pounds</u>												
<u>STRAWBERRIES</u>												
<u>1988</u>	212,150	183,083	161,933	165,082	165,496	329,587	355,539	338,035	312,026	286,236	256,328	235,189
<u>1987</u>	128,042	115,663	100,497	141,021	192,635	311,750	330,426	319,332	301,469	279,975	258,375	236,009
<u>RED RASPBERRIES</u>												
<u>1988</u>	33,036	29,712	26,612	22,249	18,005	17,449	47,981	58,514	55,012	49,524	45,209	39,560
<u>1987</u>	23,862	20,271	16,478	13,472	11,975	27,613	60,261	55,391	46,748	41,190	37,580	36,027
<u>BOYSENBERRIES</u>												
<u>1988</u>	4,139	3,739	3,291	2,942	2,432	2,534	6,224	5,718	5,202	4,681	4,098	3,912
<u>1987</u>	2,699	2,444	2,102	2,025	1,806	3,563	6,585	5,807	5,553	5,231	4,769	4,597
<u>BLUEBERRIES</u>												
<u>1988</u>	44,015	38,759	31,803	26,133	19,669	15,824	25,767	89,519	93,462	86,537	76,205	67,499
<u>1987</u>	44,734	39,060	32,548	27,322	21,974	17,950	34,742	68,659	71,665	67,306	59,534	50,707
<u>BLACKBERRIES</u>												
<u>1988</u>	19,649	17,747	16,007	13,729	11,625	10,163	18,929	25,743	29,301	28,331	25,817	23,513
<u>1987</u>	15,655	13,668	12,394	11,124	7,425	9,965	25,132	31,108	29,582	26,222	23,657	22,661

Source: "Cold Storage Summary," March 1989, Agricultural Statistics Board, NASS, USDA.

Table 26. --BLACKBERRIES: Deliveries to California, Oregon and Washington processors, by weeks, 1986-1988.

Week Ending	1986	1987	1988
Pounds			
<u>CALIFORNIA*</u>			
May 14	1,922	-	-
21	81,304	80	-
28	131,989	42,960	-
June 4	186,551	44,056	114,713**
11	110,659	103,335	94,595
18	70,760	201,786	59,916
25	15,179	186,255	23,418
July 2	-	95,539	37,450
9	84	58,497	26,580
16	-	19,023	42,808
23	-	21,676	19,880
30	-	2,672	21,652
August 6	-	-	11,862
13	-	-	4,047
Total California	598,448	775,879	456,921
<u>OREGON</u>			
June 18	72,518	47,102	-
25	275,808	1,474,578	-
July 2	3,087,046	7,753,865	-
9	4,294,463	9,331,387	144,720
16	2,895,247	3,379,481	2,609,702
23	1,486,574	1,178,570	6,456,627
30	991,846	818,195	6,716,898
Aug. 6	1,167,719	2,138,677	3,786,044
13	1,980,424	2,625,594	990,034
20	2,388,792	2,462,333	1,476,146
27	1,794,249	1,546,985	1,954,587
Sept. 3	1,139,852	1,260,515	2,452,433
10	354,243	699,919	2,159,503
17	120,799	163,011	1,473,725
24	14,461	36,137	1,037,904
Oct. 1	-	-	242,436
8	-	-	25,969
Total Oregon	22,064,041	34,916,349	31,526,728
<u>WASHINGTON</u>			
July 9	2,616	5,116	-
16	2,784	10,387	-
23	3,739	16,909	943
30	3,927	38,158	2,807
Aug. 6	4,060	87,810	2,186
13	4,631	293,327	1,176
20	131,595	87,454	34,769
27	174,400	-	108,773
Sept. 3	216,504	35,374	50,499
10	78,757	200,983	63,864
17	83,928	72,237	41,659
24	10,745	-	36,249
Oct. 1	-	-	3,453
Total Washington	717,686	847,755	346,378
<b>GRAND TOTAL</b>	<b>23,380,175</b>	<b>36,539,983</b>	<b>32,330,027</b>

\* Primarily olallieberries.

\*\* Total to date.

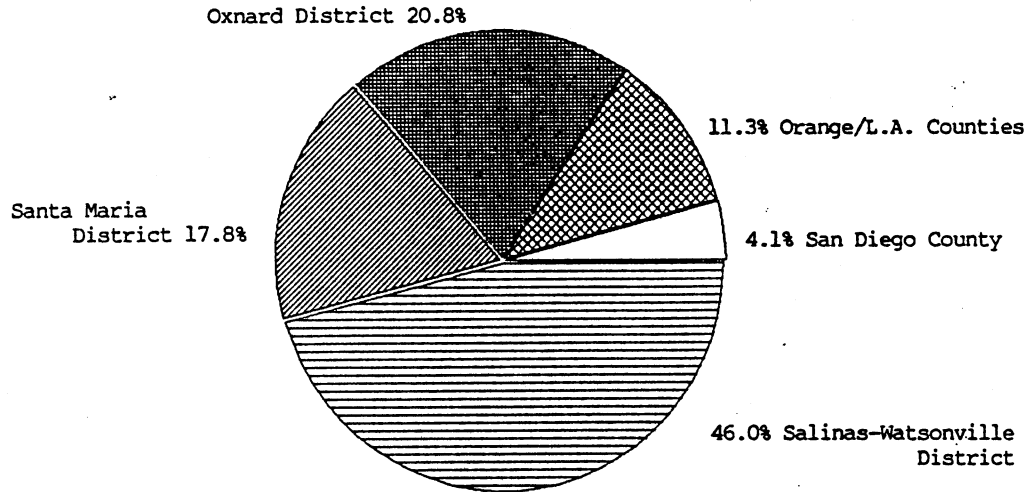
Source: Reports compiled by the San Francisco and Yakima Fruit and Vegetable Market News Offices.

Table 27. --BOYSENBERRIES: Deliveries to California, Oregon and Washington processors, by weeks, 1986-1988.

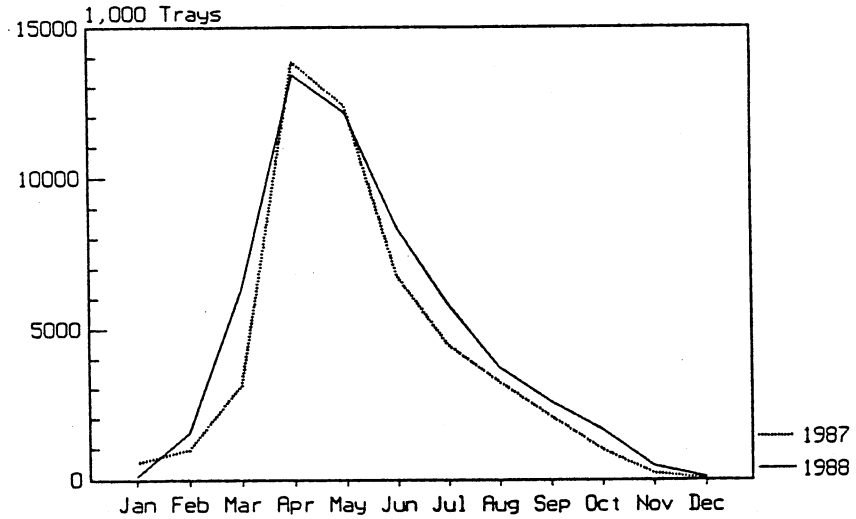
Week Ending		1986	1987	1988
<u>Pounds</u>				
- CALIFORNIA -				
May	21	284,444	-	-
	28	751,485	121,296	-
June	4	981,314	918,898	290,881
	11	389,734	950,932	667,900
	18	181,552	384,680	673,785
	25	-	124,308	249,731
July	2	-	136	183,661
	9	-	-	4,208
		-----	-----	-----
Total		2,588,529	2,500,250	2,070,166
- OREGON -				
June	25	37,779	297,158	-
July	2	673,882	1,781,859	-
	9	1,230,884	2,103,838	63,384
	16	795,346	727,429	1,218,400
	23	235,301	245,290	1,989,210
	30	170,591	51,238	1,206,343
August	6	66,683	14,423	639,801
	13	28,990	-	142,626
	20	4,313	-	21,071
	27	2,074	-	1,491
		-----	-----	-----
Total		3,245,843	5,221,235	5,282,326
- WASHINGTON -				
June	25	-	4,847	-
July	2	35,708	8,053	-
	9	35,107	9,674	-
	16	34,407	4,925	4,405
	23	-	-	7,503
	30	-	-	8,415
August	6	-	-	6,402
	13	-	-	5,294
		-----	-----	-----
Total		105,222	27,499	32,019
Grand Total		5,939,594	7,748,984	7,384,511

Source: Weekly reports compiled by the San Francisco and Yakima Fruit and Vegetable Market News Offices.

PERCENTAGE OF CALIFORNIA STRAWBERRY SHIPMENTS BY PRODUCTION AREA, 1988



CALIFORNIA STRAWBERRY SHIPMENTS BY MONTHS, 1988 AND 1987



CALIFORNIA RASPBERRY SHIPMENTS BY MONTHS, 1988

