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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Santa Cruz County

1962-1969

California County Agricultural Commissioners' Reports from the California Department of Food and Agriculture. This collection consists of annual crop and livestock data from each of the 58 California Counties. The collection covers 1915-1981; digitization of the rest of the collection is forthcoming.

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1962

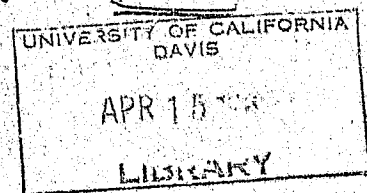
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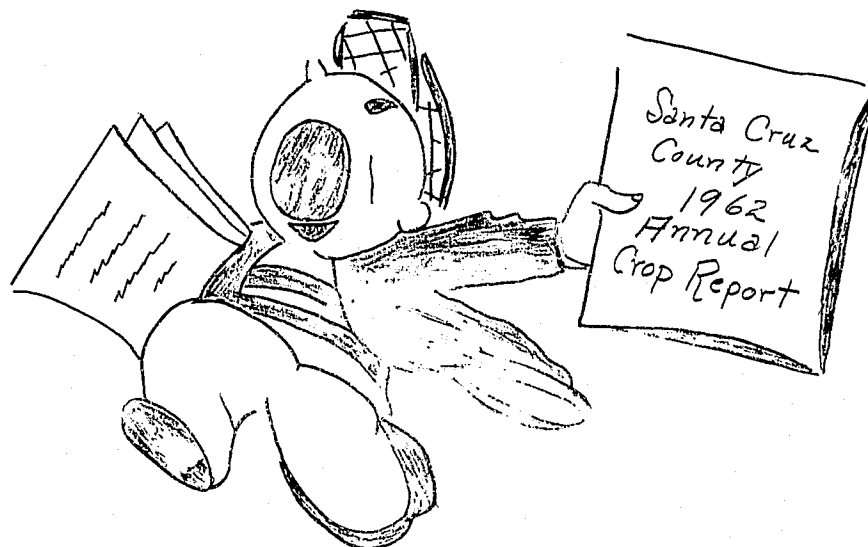
1962

**ANNUAL
REPORT**

County of **SANTA CRUZ**



AGRICULTURAL COMMISSIONER



REPORT OF SANTA CRUZ COUNTY
DEPARTMENT OF AGRICULTURE

TO

CHARLES PAUL, DIRECTOR

CALIFORNIA DEPARTMENT OF AGRICULTURE

AND

THE SANTA CRUZ COUNTY BOARD OF SUPERVISORS

FRANCIS SILLIMAN, CHAIRMAN

LEWIS NELSON
VINCENT LOCATELLI
HULDA MCLEAN
ROBERT E. BURTON

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AGRICULTURAL COMMISSIONER

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C L E R K S

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A C K N O W L E D G E M E N T

To compile this report and have it as accurate as possible, required the help of many people and firms who cooperated with the department by furnishing information and statistics. To all of you, our sincere thanks.

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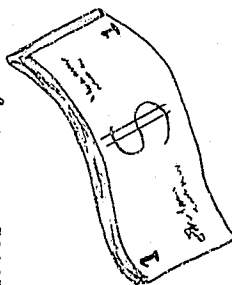
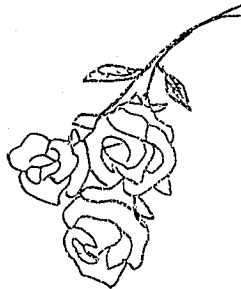
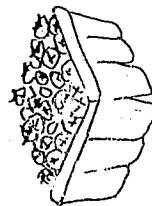
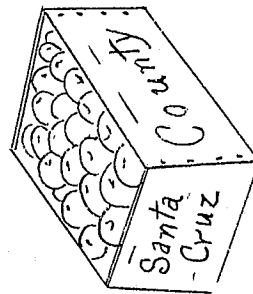


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SANTA CRUZ COUNTY TREND OF VALUE IN PRODUCTION

| <u>Year</u> | <u>Fruit & Nut Crops</u> | <u>Berry Crops</u> | <u>Vegetable Crops</u> | <u>Field Crops</u> | <u>Animal Industry</u> | <u>GRAND TOTAL</u> |
|-------------|------------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|
| 1953 | \$ 7,598,000 | \$ 4,004,000 | \$ 9,049,000 | \$ 2,139,000 | \$ 7,720,000 | \$ 30,595,000 |
| 1954 | 7,682,000 | 5,827,000 | 8,686,000 | 2,307,000 | 6,109,000 | 30,694,000 |
| 1955 | 7,051,000 | 8,019,000 | 8,737,000 | 2,327,000 | 6,556,000 | 32,730,000 |
| 1956 | 8,977,000 | 9,857,000 | 9,465,000 | 2,526,000 | 6,795,000 | 37,695,000 |
| 1957 | 6,458,000 | 6,562,000 | 7,956,000 | 2,781,000 | 6,838,000 | 30,643,000 |
| 1958 | 7,195,000 | 7,854,000 | 7,173,000 | 3,320,000 | 7,548,000 | 33,164,000 |
| 1959 | 8,858,400 | 7,364,000 | 8,989,400 | 4,176,000 | 6,183,500 | 35,637,500* |
| 1960 | 12,389,000 | 5,350,000 | 10,707,000 | 5,169,000 | 8,178,000 | 41,851,000* |
| 1961 | 13,888,000 | 4,586,000 | 11,928,000 | 5,147,000 | 7,498,000 | 43,100,000* |
| 1962 | 13,174,000 | 5,081,000 | 10,807,000 | 5,875,000 | 7,268,000 | 42,246,000* |

* Includes Government Payments



ACREAGE, PRODUCTION and VALUE of AGRICULTURAL PRODUCTS

SANTA CRUZ COUNTY, CALIFORNIA

Compiled by MATT MELLO, Agricultural Commissioner

| | 1962 | | | | | | 1961 | | | | | |
|------------------------|---------------|----------|------------------|-----------|-----------------------|----------------|---------------|----------|------------------|-----------|-----------------------|-----------------|
| | Bearing Acres | Per Acre | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit | Total | Bearing Acres | Per Acre | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit | Total |
| FRUIT CROPS | | | | | | | | | | | | |
| Apples | 8,986 | 13.4 | (120,490) | Tons | | (\$12,355,000) | 8,778 | 12.95 | (113,665) | Tons | | (\$ 12,344,000) |
| —Fresh | | | 52,090 | Tons | \$ 153.76 | 8,009,000 | | | 45,975 | Tons | \$ 177.16 | 8,145,000 |
| —Dryer | | | 19,985 | Tons | 64.48 | 1,289,000 | | | 21,790 | Tons | 64.80 | 1,412,000 |
| —Processing | | | 34,505 | Tons | 72.36 | 2,497,000 | | | 32,585 | Tons | 71.69 | 2,336,000 |
| —Juice | | | 13,910 | Tons | 40.25 | 560,000 | | | 13,315 | Tons | 33.90 | 451,000 |
| Apricots | | | | | | | | | | | | |
| —Fresh | 235 | 1.1 | 150 | Tons | 260.00 | 39,000 | 236 | 7.5 | 1,320 | Tons | 210.00 | 277,000 |
| —Dry* | | | 22 | Tons* | 1,360.00 | 30,000 | | | 80 | Tons* | 770.00 | 61,000 |
| —Processing | | | | | | | | | 55 | Tons | 71.00 | 4,000 |
| Cherries | 89 | 1.66 | 150 | Tons | 786.00 | 118,000 | 103 | 0.47 | 50 | Tons | 625.00 | 31,000 |
| Grapes | 104 | 1. | 105 | Tons | 152.00 | 16,000 | 124 | 1.1 | 135 | Tons | 144.00 | 20,000 |
| Pears | 741 | 4.65 | 3,445 | Tons | 78.95 | 272,000 | 733 | 4.73 | 3,470 | Tons | 97.30 | 338,000 |
| Persimmons | 18 | 6. | 108 | Tons | 230.00 | 25,000 | 18 | 5.4 | 95 | Tons | 260.00 | 25,000 |
| Plums | 541 | .87 | 470 | Tons | 260.00 | 122,000 | 512 | 4.73 | 2,420 | Tons | 246.00 | 595,000 |
| Prunes—Dry* | 502 | 2.27 | 570 | Tons* | 320.00 | 182,000 | 513 | 2.0 | 515 | Tons* | 340.00 | 174,000 |
| Walnuts | 55 | .26 | 15 | Tons | 600.00 | 9,000 | 62 | 0.25 | 15 | Tons | 660.00 | 10,000 |
| Miscellaneous | 66 | | | | | 6,000 | 66 | | | | | 9,000 |
| | 11,337 | | | | | \$13,174,000 | 11,145 | | | | | \$ 13,888,000 |
| BERRY CROPS | | | | | | | | | | | | |
| Blackberries | 305 | 7.25 | 2,180 | Tons | \$ 213.75 | \$ 466,000 | 355 | 7.0 | 2,485 | Tons | \$ 218.00 | \$ 542,000 |
| Boysenberries | 170 | 3.3 | 560 | Tons | 260.00 | 146,000 | 185 | 3.5 | 645 | Tons | 330.00 | 213,000 |
| Loganberries | 75 | 2.7 | 205 | Tons | 230.00 | 47,000 | 50 | 3.1 | 155 | Tons | 304.00 | 47,000 |
| Raspberries | 60 | 1,287. | 77,200 | Trays 9# | 3.36 | 259,000 | 75 | 840. | 63,000 | Trays 9# | 3.14 | 198,000 |
| Blue and Misc. | 25 | 480. | 12,000 | Trays 10# | 3.75 | 45,000 | 25 | 300. | 7,500 | Trays 10# | 3.85 | 29,000 |
| Strawberries | | | | | | | | | | | | |
| —Fresh | 940 | | 1,709,000 | Trays 12# | 2.16 | 3,688,000 | 925 | | 1,240,000 | Trays 12# | 1.96 | 2,427,000 |
| —Processing | | 12.8 | 1,660 | Tons | 260.00 | 430,000 | | 13.6 | 5,135 | Tons | 220.00 | 1,130,000 |
| | 1,575 | | | | | \$ 5,081,000 | 1,615 | | | | | \$4,586,000 |
| FIELD CROPS | | | | | | | | | | | | |
| Beans, dry | 740 | 16.12 | 11,930 | cwt. | \$ 10.94 | \$ 131,000 | 300 | 12.85 | 3,855 | cwt. | \$ 10.28 | \$ 40,000 |
| Grain | 650 | 1.34 | 875 | Tons | 44.81 | 39,000 | 605 | 1.24 | 750 | Tons | 43.36 | 32,000 |
| Hay | 4,500 | 2.37 | 10,650 | Tons | 34.10 | 363,000 | 4,720 | 2.35 | 11,090 | Tons | 33.10 | 367,000 |
| Corn Silage | 160 | 14.5 | 2,345 | Tons | 15.00 | 35,000 | 160 | 11.5 | 1,840 | Tons | 15.00 | 28,000 |
| Pasture, Irrig. | 2,850 | | | Acres | 35.00 | 100,000 | 2,700 | | | Acres | 35.00 | 95,000 |
| Pasture, Other | 49,850 | | | Acres | 2.75 | 137,000 | 50,000 | | | Acres | 2.75 | 137,000 |
| Sugar Beets | 210 | 26. | 5,460 | Tons | 11.00 | 60,000 | 630 | 25. | 15,750 | Tons | 11.00 | 173,000 |
| Veg. & Flower Seed | 25 | | 3,000 | Lbs. | | 86,000 | 30 | | 2,750 | Lbs. | | 78,000 |
| Mushrooms | | | 2,990,000 | Lbs. | .55 | 1,643,000 | | | 2,276,000 | Lbs. | 0.59 | 1,345,000 |
| Nursery Stock | 595 | | 10,512,000 | Plants | | 1,441,000 | 530 | | 9,533,000 | Plants | | 1,286,000 |
| —Bulbs | | | 5,456,000 | Bulbs | | 667,000 | | | 4,528,000 | Bulbs | | 556,000 |
| —Cut Flowers | | | 26,515,000 | Blooms | | 1,173,000 | | | 28,636,000 | Blooms | | 1,010,000 |
| | 59,580 | | | | | \$ 5,875,000 | 59,675 | | | | | \$ 5,147,000 |
| VEGETABLE CROPS | | | | | | | | | | | | |
| Artichokes | 390 | 270. | 105,000 | bx. 21# | \$ 1.85 | \$ 194,000 | 390 | 195. | 76,000 | bx. 21# | \$ 1.95 | \$ 152,000 |
| Beans, Green | 2,170 | 7.7 | 16,710 | Tons | 126.75 | 2,118,000 | 1,770 | 9.36 | 16,570 | Tons | 132.00 | 2,187,000 |
| Broccoli | 410 | 2.3 | 945 | Tons | 175.24 | 166,000 | 650 | 2.57 | 1,670 | Tons | 205.00 | 343,000 |
| Brussels Sprouts | 2,750 | 7.1 | 19,595 | Tons | 212.50 | 4,160,000 | 2,760 | 7.95 | 21,940 | Tons | 196.00 | 4,300,000 |
| Cabbage | 65 | 234. | 14,725 | cwt. | 2.00 | 30,000 | 45 | 216. | 9,730 | cwt. | 3.19 | 31,000 |
| Cauliflower | 690 | 96. | 66,470 | cwt. | 7.37 | 490,000 | 1,175 | 93.4 | 109,745 | cwt. | 8.30 | 911,000 |
| Celery | 190 | 701. | 133,200 | ctns. | 2.13 | 284,000 | 250 | 855. | 213,000 | ctns. | 2.10 | 447,000 |
| Corn, sweet | 80 | 720. | 57,600 | Doz. | .40 | 23,000 | 75 | 1084. | 78,500 | Doz. | .35 | 27,000 |
| Cucumbers | 60 | 7.6 | 455 | Tons | 67.56 | 31,000 | 90 | 11.3 | 1,015 | Tons | 81.30 | 82,000 |
| Lettuce | 3,595 | 494. | 1,776,000 | ctns. | 1.64 | 2,913,000 | 3,935 | 494. | 1,946,000 | ctns. | 1.50 | 2,928,000 |
| Peas | 70 | 65. | 4,500 | cwt. | 12.60 | 57,000 | 175 | 23.1 | 4,050 | cwt. | 5.67 | 23,000 |
| Squash | 370 | 82. | 30,340 | cwt. | 4.79 | 145,000 | 325 | 140. | 45,500 | cwt. | 6.20 | 282,000 |
| Tomatoes | 150 | 73. | 10,950 | cwt. | 4.62 | 51,000 | 140 | 143. | 20,020 | cwt. | 4.10 | 82,000 |
| Misc. Veg. | 330 | | | | | 145,000 | 255 | | | | | 133,000 |
| | 11,320 | | | | | \$10,807,000 | 12,035 | | | | | \$ 11,928,000 |
| PLANT INDUSTRY | 83,812 | | | | | \$34,937,000 | 84,470 | | | | | \$ 35,543,000 |

| | 1962 | | | | 1961 | | | |
|----------------------------|---------------------|-----------------|----------|-----------------------|---------------------|-----------------|----------|-----------------------|
| | PRODUCTION Total | Unit | Per Unit | F.O.B. VALUE Total | PRODUCTION Total | Unit | Per Unit | F.O.B. VALUE Total |
| APIARY | | | | | | | | |
| Honey | 2,475 colonies | 198,000 Lbs. | \$ 0.12 | \$ 24,000 | 2,900 colonies | 197,500 Lbs. | \$ 0.10 | \$ 20,000 |
| Wax | | 1,855 Lbs. | 0.48 | 1,000 | | 2,180 Lbs. | 0.48 | 1,000 |
| Pollination | 2,475 colonies | | | 20,000 | 2,355 colonies | | | 20,000 |
| MILK | | | | | | | | |
| Market | | 112,000 cwt. | 4.70 | 526,000 | | 74,600 Cwt. | 4.60 | 343,000 |
| Manufacturing | | 53,400 cwt. | 2.98 | 159,000 | | 57,000 Cwt. | 3.01 | 172,000 |
| LIVESTOCK | | | | | | | | |
| Cattle & Calves | 5,535 head | 47,700 cwt. | 21.96 | 1,047,000 | 4,760 head | 40,300 cwt. | 20.74 | 846,000 |
| Breeders | 135 head | | | 53,000 | 110 head | | | 41,000 |
| Swine | 765 head | 1,450 cwt. | 18.38 | 27,000 | 1,020 head | 2,093 cwt. | 17.18 | 36,000 |
| Sheep & Lambs | 2,480 head | 2,570 cwt. | 17.62 | 45,000 | 3,190 head | 3,530 cwt. | 12.58 | 44,000 |
| —Wool | | 17,580 Lbs. | .43 | 8,000 | | 19,190 Lbs. | 0.40 | 8,000 |
| EGGS | | | | | | | | |
| —Market | | 4,560,430 Doz. | .35 | 1,597,000 | | 6,478,760 Doz. | 0.356 | 2,306,000 |
| —Hatching | | 280,280 Doz. | | 303,000 | | 345,050 Doz. | | 405,000 |
| CHICKENS | 3,970,000 fryers | 15,942,000 Lbs. | .144 | 2,296,000 | 3,136,400 fryers | 12,643,000 Lbs. | 0.134 | 1,687,000 |
| POULTRY, Other | | | | 585,000 | | | | 995,000 |
| TURKEYS | 86,400 birds | 1,810,800 Lbs. | .216 | 394,000 | 97,800 birds | 2,031,500 Lbs. | 0.177 | 359,000 |
| RABBITS | 59,360 head | 258,000 Lbs. | .295 | 76,000 | 66,280 head | 303,600 Lbs. | 0.295 | 90,000 |
| FUR ANIMALS | 3,220 head | | | 107,000 | 2,400 head | | | 125,000 |
| ANIMAL INDUSTRY | | | | \$ 7,268,000 | | | | \$ 7,498,000 |
| GRAND TOTAL—All Production | | | | \$42,205,000 | | | | \$ 43,047,000 |
| GOVERNMENT PAYMENTS | | | | \$ 41,000 | | | | \$ 53,000 |

CROP SUMMARY - 1962

The F.O.B. value represents the gross value of the commodities when ready for market and does not mean net income to the producer.

Overall gross value declined, with vegetable production leading the drop followed by livestock and fruit crops.

Field crops and berry crops reflected a substantial increase in values.

Adverse weather conditions were a dominant factor in reducing production in some major crops while economic conditions were the principal influence in others.

APPLES - Additional bearing acreage coming into production and increasing yield is indicated by higher tonnage. Fresh market demand and value slipped early in the season when the market was oversupplied by shipments from outside the State. Thereafter trading in fresh channels remained somewhat weak. Processor demand was good during the season and provided a firmer undertone to the entire deal.

The expansion of controlled atmosphere storages and the revolutionary conversion to bin harvesting has accelerated the shortening of the harvest season which was almost completed early in October.

APRICOTS - Severely affected by frost at critical stage of development reduced production to very low level.

PLUMS - Freeze reduced fruit set to very light crop.

PEARS - Production reduced by decline and blight diseases. Market prices considerably lower this year.

BUSHBERRIES - Reduced acreage and production due to old fields in black varieties. Raspberries indicated improved market returns but others were lower.

STRAWBERRIES - Returns were slightly higher and heavier shipments to fresh market instead of processing channels. Most plantings new and quality berries brought better returns fresh.

NURSERY STOCK - Increase in plant nurseries moving into the County and hot house production reflect an upswing in production and values.

LETTUCE - Erratic season beginning with a hot market in the spring, weak in the summer, and fair in the fall. Marketing Order controls of volume by a discing program and shipping periods were effected for stability in times of oversupply.

GREEN BEANS - Acreage and production in oversupply in addition to quality affected by adverse weather, lack of sufficient pickers and increased labor costs with lower price returns, caused these producers great loss and unhappiness.

BRUSSELS SPROUTS - Early season demand slow, prices depressed but later, market demand exceeded supply with favorable returns.

T R E N D O F O T H E R C R O P S
I N S A N T A C R U Z C O U N T Y

Total Acres Grown (Includes New Plantings)

| | <u>1958</u> | <u>1959</u> | <u>1960</u> | <u>1961</u> | <u>1962</u> |
|------------------|-------------|-------------|-------------|-------------|-------------|
| Bushberries | 1,100 | 940 | 865 | 815 | 715 |
| Blackberry | 450 | 435 | 415 | 375 | 340 |
| Blueberry | 25 | 20 | 25 | 25 | 25 |
| Boysenberry | 360 | 285 | 225 | 235 | 205 |
| Loganberry | 165 | 125 | 120 | 90 | 85 |
| Raspberry | 100 | 75 | 80 | 90 | 60 |
| Strawberries | 2,610 | 1,850 | 1,070 | 925 | 940 |
| Artichokes | 397 | 410 | 395 | 390 | 390 |
| Beans, green | 875 | 945 | 1,290 | 1,770 | 2,170 |
| Broccoli | 1,300 | 1,145 | 680 | 650 | 410 |
| Brussels sprouts | 2,235 | 2,725 | 2,635 | 2,760 | 2,750 |
| Cabbage | 165 | 90 | 140 | 145 | 65 |
| Cauliflower | 600 | 685 | 1,325 | 1,175 | 690 |
| Celery | 65 | 190 | 230 | 250 | 190 |
| Corn, sweet | 160 | 200 | 215 | 75 | 80 |
| Lettuce, spring | 215 | 1,050 | 535 | 445 | 340 |
| Lettuce, summer | 2,665 | 2,115 | 2,480 | 2,310 | 2,100 |
| Lettuce, fall | 1,200 | 985 | 1,220 | 1,180 | 1,155 |
| Potatoes | 100 | 50 | 170 | 70 | 125 |
| Squash | 185 | 220 | 505 | 325 | 370 |
| Tomatoes | 310 | 230 | 230 | 140 | 150 |
| Beans, dry | 615 | 575 | 360 | 300 | 740 |
| Grain | 355 | 315 | 450 | 605 | 650 |
| Hay | 3,575 | 2,600 | 4,870 | 4,720 | 4,500 |
| Sugar beets | 420 | 425 | 520 | 630 | 210 |
| Nursery Stock | 550 | 620 | 690 | 530 | 595 |

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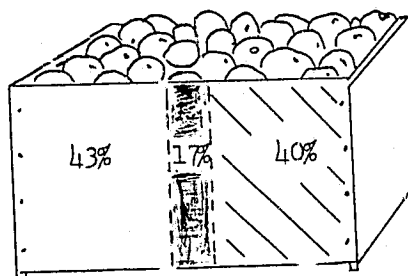
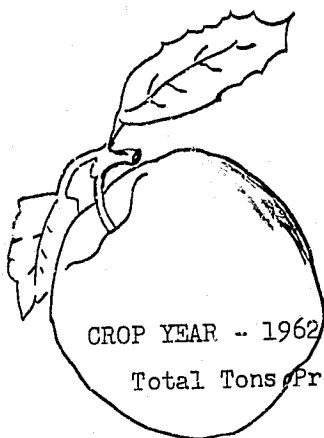
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TREND OF PERMANENT CROPS IN SANTA CRUZ COUNTY

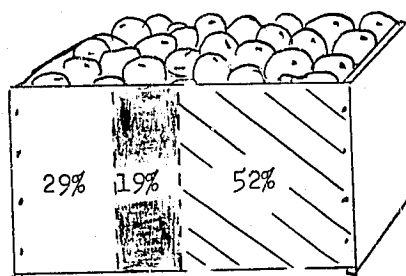
| | <u>Bearing Acres</u> | | | <u>Non-bearing Acreage</u> | <u>Total Acreage 1 9 6 2</u> |
|------------------------------------|----------------------|-------------|-------------|--------------------------------|--------------------------------------|
| <u>APPLES -</u> | <u>1953</u> | <u>1957</u> | <u>1962</u> | | |
| Newtown Pippin | 4,882 | 4,588 | 4,577 | 355 | 4,932 |
| Delicious- Red | 1,452 | 1,695 | 2,710 | 1,570 | 4,280 |
| Delicious- Std. | 769 | 536 | 488 | 1 | 489 |
| Bellefleur | 854 | 493 | 421 | 2 | 423 |
| Winter Banana | 204 | 226 | 208 | 32 | 240 |
| W. W. Pearmain | 192 | 163 | 124 | 2 | 126 |
| Gravenstein | 152 | 119 | 101 | 21 | 122 |
| Golden Delicious | 33 | 78 | 65 | 53 | 118 |
| McIntosh | 5 | 10 | 10 | 138 | 148 |
| Other Varieties | <u>1,283</u> | <u>215</u> | <u>282</u> | <u>26</u> | <u>308</u> |
| TOTAL | 9,826 | 8,123 | 8,986 | 2,200 | 11,186 |
| <u>APRICOTS -</u> | | | | | |
| All Varieties | 426 | 260 | 235 | 14 | 249 |
| <u>CHERRIES -</u> | | | | | |
| Royal Ann | 107 | 44 | 37 | 0 | 37 |
| Bing | 69 | 43 | 34 | 1 | 35 |
| Other Varieties | <u>105</u> | <u>26</u> | <u>18</u> | <u>0</u> | <u>18</u> |
| TOTAL | 281 | 113 | 89 | 1 | 90 |
| <u>GRAPES -</u> | | | | | |
| Wine Varieties | 536 | 214 | 86 | 0 | 86 |
| Table varieties | <u>36</u> | <u>31</u> | <u>18</u> | <u>2</u> | <u>20</u> |
| TOTAL | 572 | 245 | 104 | 2 | 106 |
| <u>PEARS -</u> | | | | | |
| Bartlett | 622 | 572 | 565 | 37 | 602 |
| Beurre Hardy | 202 | 180 | 139 | 39 | 178 |
| Comice | 43 | 26 | 19 | 0 | 19 |
| Other Varieties | <u>60</u> | <u>38</u> | <u>18</u> | <u>1</u> | <u>19</u> |
| TOTAL | 927 | 816 | 741 | 77 | 818 |
| <u>PLUMS -</u> | | | | | |
| Santa Rosa | 289 | 323 | 490 | 64 | 554 |
| Other Varieties | <u>106</u> | <u>31</u> | <u>51</u> | <u>6</u> | <u>57</u> |
| TOTAL | 395 | 354 | 541 | 70 | 611 |
| <u>PRUNES -</u> | | | | | |
| French | 541 | 425 | 398 | 0 | 398 |
| Other Varieties | <u>126</u> | <u>100</u> | <u>104</u> | <u>0</u> | <u>104</u> |
| TOTAL | 667 | 525 | 502 | 0 | 502 |
| <u>ALL FRUIT & NUT CROPS -</u> | | | | | |
| GRAND TOTAL (Acres) | 13,272 | 12,890 | | | 13,737 |

APPLE CROP UTILIZATION



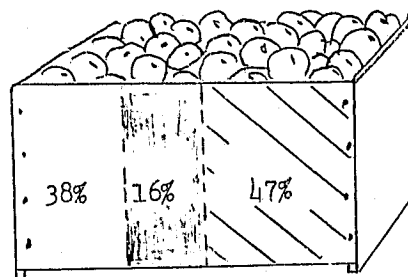
CROP YEAR - 1960

Total Tons Produced - 118,344



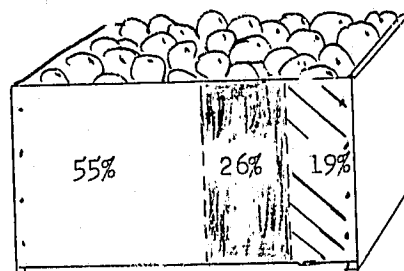
CROP YEAR - 1950

Total Tons Produced - 77,879



CROP YEAR - 1940

Total Tons Produced - 74,560



LEGEND - Fresh



Dried



Processed

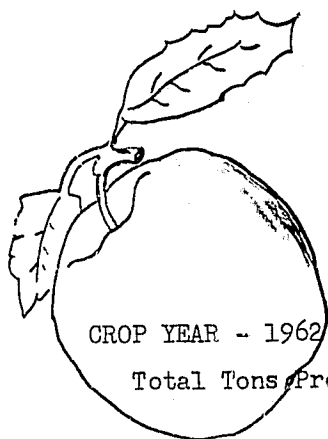


T R E N D O F O T H E R C R O P S
I N S A N T A C R U Z C O U N T Y

Total Acres Grown (Includes New Plantings)

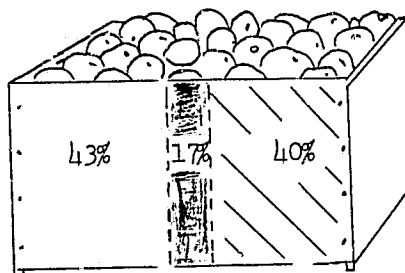
| | <u>1958</u> | <u>1959</u> | <u>1960</u> | <u>1961</u> | <u>1962</u> |
|------------------|-------------|-------------|-------------|-------------|-------------|
| Bushberries | 1,100 | 940 | 865 | 815 | 715 |
| Blackberry | 450 | 435 | 415 | 375 | 340 |
| Blueberry | 25 | 20 | 25 | 25 | 25 |
| Boysenberry | 360 | 285 | 225 | 235 | 205 |
| Loganberry | 165 | 125 | 120 | 90 | 85 |
| Raspberry | 100 | 75 | 80 | 90 | 60 |
| Strawberries | 2,610 | 1,850 | 1,070 | 925 | 940 |
| Artichokes | 397 | 410 | 395 | 390 | 390 |
| Beans, green | 875 | 945 | 1,290 | 1,770 | 2,170 |
| Broccoli | 1,300 | 1,145 | 680 | 650 | 410 |
| Brussels sprouts | 2,235 | 2,725 | 2,635 | 2,760 | 2,750 |
| Cabbage | 165 | 90 | 140 | 45 | 65 |
| Cauliflower | 600 | 685 | 1,325 | 1,175 | 690 |
| Celery | 65 | 190 | 230 | 250 | 190 |
| Corn, sweet | 160 | 200 | 215 | 75 | 80 |
| Lettuce, spring | 215 | 1,050 | 535 | 445 | 340 |
| Lettuce, summer | 2,665 | 2,115 | 2,480 | 2,310 | 2,100 |
| Lettuce, fall | 1,200 | 985 | 1,220 | 1,180 | 1,155 |
| Potatoes | 100 | 50 | 170 | 70 | 125 |
| Squash | 185 | 220 | 505 | 325 | 370 |
| Tomatoes | 310 | 230 | 230 | 140 | 150 |
| Beans, dry | 615 | 575 | 360 | 300 | 740 |
| Grain | 355 | 315 | 450 | 605 | 650 |
| Hay | 3,575 | 2,600 | 4,870 | 4,720 | 4,500 |
| Sugar beets | 420 | 425 | 520 | 630 | 210 |
| Nursery Stock | 550 | 620 | 690 | 530 | 595 |

APPLE CROP UTILIZATION



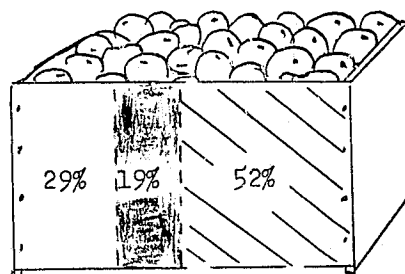
CROP YEAR - 1962

Total Tons Produced - 120,490



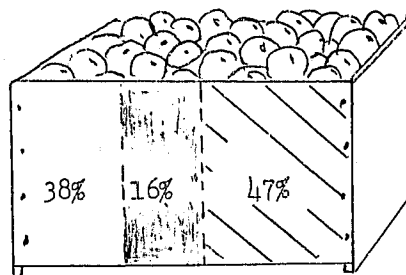
CROP YEAR - 1960

Total Tons Produced - 118,344



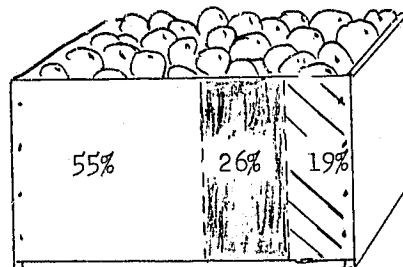
CROP YEAR - 1950

Total Tons Produced - 77,879



CROP YEAR - 1940

Total Tons Produced - 74,560



LEGEND - Fresh



Dried



Processed



STANDARDIZATION

Standard of quality packing, containers, and markings, are established by law to prevent fraud and deception in the marketing of agricultural products. Inspection of fruits, nuts, vegetables, eggs, poultry, meat and honey, wherever these commodities are prepared, packed or offered for sale, is a major function of this department.

Other phases of this work include the Lettuce Certification Program, Produce Clearances and cooperative enforcement in five (5) Marketing Order Programs. Summer Head Lettuce Order converted entirely to a percentage discing program this year. Cold storage reports on apple holdings and checking controlled atmosphere storage records and room loadings are among duties performed.

Expansion of controlled atmosphere storage for apples was very significant as is indicated by the following:

| | | |
|--------------------------|-----------------|------------------------|
| 1962 - C.A. Storages - 8 | C.A. Rooms - 34 | Capacity 770,300 boxes |
| (1959) " " 3 | " " 9 | " 262,350 " |

| <u>LETTUCE INSPECTION</u> | | <u>1962</u> | <u>(1961)</u> |
|---------------------------|---|-------------|---------------|
| No. certificates issued | - | 1,794 | 2,103 |
| No. man hours | - | 1,683 | 2,601 |
| No. pkgs. certified | - | 1,782,160 | 1,923,676 |
| No. inspections made | - | 4,237 | 6,433 |

| <u>PRODUCE CERTIFICATION</u> | | | |
|------------------------------|---|---------|---------|
| No. certificates issued | - | 609 | 904 |
| No. man hours | - | 403 | 740 |
| No. pkgs. certified | - | 189,486 | 206,793 |
| No. inspections made | - | 618 | 1,285 |

| <u>MARKETING ORDER CERTIFICATION</u> | | | |
|--------------------------------------|---|--------|--------|
| No. inspections made | - | 225 | 218 |
| No. man hours | - | 145 | 147 |
| Early Apples (pkgs.) | - | 1,958 | 1,747 |
| Bartlett Pears (pkgs.) | - | 87 | 21 |
| Fresh Plums (pkgs.) | - | 16,710 | 13,510 |
| Fall Pears (pkgs.) | - | 7,799 | 1,285 |

| <u>EGG & POULTRY INSPECTION</u> | | | |
|-------------------------------------|---|---------|--------|
| Eggs inspected (doz.) | - | 127,724 | 47,150 |
| Eggs rejected (doz.) | - | 2,815 | 412 |
| No. violations | - | 50 | 6 |
| Poultry premises inspected | - | 498 | 258 |
| Poultry inspected (pkgs.) | - | 41,042 | 12,680 |
| Honey inspected (pkgs.) | - | 78,243 | 32,775 |

| <u>SUMMARY - FRUIT & VEGETABLE STANDARDIZATION</u> | | | |
|--|---|-------------|--------------|
| Man days (total) | - | 571 | 646 |
| Total pkgs. inspected | - | 3,091,184 | 3,130,953 |
| Total pkgs. certified | - | 1,998,200 | 2,146,644 |
| Total pkgs. rejected | - | 9,447 | 11,646 |
| No. violations issued | - | 184 | 143 |
| Total certif. fees rec'd. | - | \$ 9,084.68 | \$ 10,956.81 |

PEST SURVEYS AND PEST CONTROL

Pest detection surveys to assure early discovery and eradication of new plant pests are performed in cooperation with State and Federal agencies. An intensified program resulted in some interesting discoveries this year.

Field and orchard inspections for common plant pests, and effective control recommendations to prevent spread and crop losses also reduces problems of quality control in standardization inspection.

PEST DETECTION SURVEYS - 1962

| <u>Pest</u> | <u>Host</u> | <u>Properties</u> | <u>Inspected</u> | <u>Calls</u> | <u>Properties Infested</u> |
|-----------------------------|-------------|-------------------|------------------|--------------|----------------------------|
| Fruit Flies | Fruit | 110 | 110 traps | 1196 | 0 |
| Japanese Beetle | Lawns-Orna | 17 | 17 " | 220 | 0 |
| Gypsy Moth | Trees | 1 | 4 | 4 | 0 |
| Citrus Wh.Fly & Olive Scale | Ornamentals | 107 | 17.5 acres | 107 | 0 |
| European Corn Borer | Corn | 5 | 41 " | 5 | 0 |
| Corn & Sorghum pests | Corn | 2 | 31 " | 2 | 0 |
| Mexican Bean Beetle | Beans | 8 | 306 " | 8 | 0 |
| Khapra Beetle | Grain | 62 | | 62 | 0 |
| European Pine Shoot Moth | Pines | 3 | | 3 | 0 |
| Peach Mosaic Vector Mite | Peach | 50 | 94 trees | 50 | 0 |
| Black Stem Rust | Nsry Stock | 4 | 12,000 plants | 4 | 0 |
| Pear Juniper Rust | Pears | 7 | 40 acres | 7 | 0 |
| Club Root | Crucifers | 31 | 1,040 " | 31 | 4 |
| European Canker | Apples | 24 | 800 " | 25 | 1 |
| Flat Limb | Apples | 1 | 8 " | 1 | 1 |
| | | <u>432</u> | | <u>1725</u> | <u>6</u> |

SUMMARY - 1962

PEST SURVEYS AND CONTROL - 3,368 -- Man hours - 3,956 Calls.

LABORATORY IDENTIFICATION SAMPLES - Plant Diseases - 222 --- Insects - 111.

PERMITS ISSUED FOR USE OF INJURIOUS MATERIALS - 658

EXPERIMENTAL PEST CONTROL INFORMATION PLOTS - 31

PEST ABATEMENTS - 17 properties - 122 acres apples/pears - treated or removed.

EUROPEAN RED MITE - The major pest problem here on apples. Suppression maintained in early season with Karathane mildew sprays. Populations in July and August became severe and some growers attempted control with oil and miticide combinations with limited results. Tepp or Chlorobenzilate was effective for short period control.

ORANGE TORTRIX - Caused severe injury to apples where timing or applications were inadequate.

CABBAGE MAGGOT - Extensive damage to Brussels sprout plantings.

PEAR DECLINE - Fairly widespread and resulted in removal of several orchards.

FIRE BLIGHT - Caused trouble in pear and apple orchards requiring active control measures.

GREEN CRINKLE - A virus disease has occasionally been found in a few apple orchards during the last twenty years. Infected wood used for grafting caused extensive fruit injury in one orchard observed this year.

PEST CONTROL OPERATORS

Thirty-seven (37) licensed pest control operators registered to engage in pest control work in Santa Cruz County during 1962. Six of these were aerial applicators.

The Agricultural Commissioner has the responsibility to require pest control for hire to be performed in a workman-like manner to insure effective control by competent operators. Regulations specify precautions regarding safety of materials used and drift residues that must be observed.

SUMMARY OF WORK BY PEST CONTROL OPERATORS

| <u>Application By</u> | <u>Type Crop</u> | <u>1962</u> | <u>Area Treated</u> <u>(1961)</u> |
|-----------------------|------------------|-------------|--------------------------------------|
| Aircraft | Orchards | 4,563 acres | 3,757 acres |
| Ground Rig | " | 1,466 acres | 1,477 acres |
| Aircraft | Berries | 3,200 acres | 2,891 acres |
| Ground Rig | " | 679 acres | 108 acres |
| Aircraft | Vegetables | 9,906 acres | 8,979 acres |
| Ground Rig | " | 6,222 acres | 4,985 acres |
| Aircraft | Orns. & Misc. | 453 acres | 582 acres |
| Ground Rig | " " | 368 acres | 257 acres |

* * * * *

APIARY 1962

Inspection of apiaries for the detection of disease, advisory assistance to bee keepers, and issuance of certificates for the movement of bees and queens are among the services rendered by this department.

This area lends itself principally to migratory beekeeping and use of bees for the pollination of deciduous fruits, so the overall bee population in Santa Cruz County varies with the seasons. Many colonies are moved from this County to the San Joaquin Valley for Alfalfa seed pollination and are returned here only to overwinter. Many colonies from the Valley are also moved to this area to overwinter due to excellent winter bloom.

| <u>Summary of Apiary Inspection</u> | <u>1962</u> | <u>(1961)</u> | <u>(1960)</u> |
|-------------------------------------|-------------|---------------|---------------|
| Number of Apiaries | 114 | 112 | 106 |
| Total Number of Colonies | 3,089 | 2,907 | 2,917 |
| Apiaries Inspected | 22 | 33 | 17 |
| Colonies Inspected | 343 | 1,995 | 625 |
| Colonies Infected, A.F.B. | 1 | 13 | 16 |
| Apiaries Infected, A.F.B. | 1 | 5 | 6 |



ANNUAL REPORT 1962
RODENT & PEST ANIMAL CONTROL

GROUND SQUIRRELS:

The large populations of ground squirrels that once occurred in Santa Cruz County no longer exists. Only with persistent effort has this economic and disease problem been reduced. This is best reflected in the accompanying chart by the amounts of CS₂ and poisoned grain used. The man days and mileage cannot be materially reduced because of the constant surveillance that is necessary to control this minimum population that has been achieved. As populations become smaller, control becomes more difficult with this terrain.

This year's gassing program was hampered by dry ground. New fumigants, baits and methods are being tested for better control. Areas of intended construction such as the University of California campus and new subdivision areas are treated and a special effort for eradication of ground squirrels is made.

OTHER RODENTS:

Except in localized areas the rat populations were not abnormal. The County dumps were poisoned with good results. A heavy rat population moved into the Opal Cliffs area, apparently from the harbor construction at Wood's Lagoon. Several inspections were made in this area with the Health Department. Wax blocks of anti-coagulant treated baits were used effectively.

The City of Watsonville is maintaining excellent rat control in their sewers with this same type wax block. Use of anticoagulant baits as purchased at our office is shown in the chart on the opposite page.

Zinc phosphide treated grain bait for the control of meadow mice shows a reduction due to the use and effectiveness of Endrin sprays. Some mice damage was reported to bean fields as well as the usual damage to strawberries and artichokes.

Several U. C. gopher baiting machines are now in operation in this County. Test plots for the evaluation of baits and poisons under local conditions were put out with the cooperation of the State Department of Agriculture. A poison mixer was designed and purchased by this department. This mixer will increase the efficiency of our mixing operation and will produce a more effective bait. Sale of gopher bait was started the last two months of 1962.

No complaints of muskrat damage were received this year. These rodents can be found throughout the valley. Several persons reported weasels in their yards and fields.

BIRD CONTROL:

The commercial treatment of lettuce seed has stopped some depredations of the spring plantings. Bushberry and strawberries were damaged by crowned sparrows linnets, and gold finches. Crowned sparrows caused some damage to flower buds in plastic hot houses. Use of bird control baits is shown in the accompanying chart.

Pigeons caused heavy damage to some bushberry plantings. A survey was made with the Fish and Wildlife Service to devise better control.

In February an experimental light trap was designed and constructed at Holly Hills Farm for the purpose of trapping starlings.

An amplified distress call was used this winter to prevent extensive damage caused by roosting in the grove. Up to this time it has been 100% effective. These experiments were conducted in cooperation with the State Department of Agriculture and the U. S. Fish and Wildlife Service.

GROUND SQUIRREL CONTROL

1962 Compared to 5 year averages

| | | |
|-----------|--------|---------------|
| 1950-1954 | 48,535 | |
| 1955-1959 | 58,601 | |
| 1962 | 31,646 | Acres Treated |

| | | |
|-----------|-----|----------|
| 1950-1954 | 235 | |
| 1955-1959 | 175 | |
| 1962 | 136 | Man Days |

| | | |
|-----------|-------|-------|
| 1950-1954 | 7,032 | |
| 1955-1959 | 6,347 | |
| 1962 | 5,535 | Miles |

| | | |
|-----------|-------|---------------------------|
| 1950-1954 | 3,309 | |
| 1955-1959 | 1,262 | |
| 1962 | 970 | Lbs. CS ₂ Used |

| | | |
|-----------|-----|---------------------|
| 1950-1954 | 641 | |
| 1955-1959 | 243 | |
| 1962 | 133 | Lbs. Poisoned Grain |

OTHER PEST ANIMAL CONTROL MEASURES

| | | |
|-----------|-------|----------------------------------|
| 1955-1959 | 1,851 | |
| 1962 | 2,235 | Lbs. Anti-coagulant Treated Bait |

| | | |
|-----------|-----|-----------------------------------|
| 1955-1959 | 555 | |
| 1962 | 520 | Lbs. Zinc Phosphide Treated Grain |

| | | |
|-----------|-----|-------------------------------------|
| 1955-1959 | 0 | |
| 1962 | 730 | Lbs. Strychnine Treated Gopher Bait |

| | | |
|-----------|-----|------------------------|
| 1955-1959 | 303 | |
| 1962 | 321 | Lbs. Bird Control Bait |

| | | |
|-----------|---------|------------------------------------|
| 1955-1959 | 109 oz. | |
| 1962 | 162 oz. | Ounces of Strychnine Gopher Poison |

PLANT QUARANTINE

Inspection of plant material entering the County from other states or counties has been a long established legal requirement for preventing the introduction or spread of plant diseases, insect pests, noxious weeds or seeds.

Extended findings of club root disease in this County required definite quarantine area boundaries to be proposed. Several meetings on the efficacy of the club root quarantine were held with the surrounding County Agricultural Commissioners, the California Department of Agriculture and University of California pathologists.

The volume of material certified for export increased over four (4) times more than last year.

| <u>SUMMARY OF INCOMING SHIPMENTS</u> | <u>Interstate</u> | <u>Intrastate</u> | <u>Total Shipments</u> |
|--------------------------------------|-------------------|-------------------|------------------------|
| Shipments Inspected | - 2,037 | 675 | 2,712 |
| Shipments Rejected | - 22 | 0 | 22 |
| Plants Inspected | - 3,675,911 | 9,662,283 | 13,338,194 |
| Plants Rejected | - 659 | 0 | 659 |
| Bulk Inspected (tons) | - 4,403 | 59 | 4,462 |
| Grain Rejected (tons) | - 966 | 0 | 966 |

Export Certificates - 358 shipments - 1,500,734 plants - 31,865 pkgs. produce.
Club root disease Certificates of Treatment issued - 16

NURSERY INSPECTION

With greater tendency toward origin inspection and intercounty certification more effort is being directed to nursery inspection to assure pest free nursery stock.

An increase of over 13% in the number of licensed nurseries is noted this year. Several large new ornamental greenhouse operations have found this area ideally suited to their needs for growing roses, carnations and chrysanthemums.

The increase in nursery inspection work required, is reflected in an increase of nearly 250% in number of plants held for non-compliance, of which 66% was for pest infestations requiring cleanup and 34% improperly labeled.

SUMMARY OF NURSERY INSPECTION

| | | | |
|------------------------------|-------|---------------------|----------|
| Licensed nurseries in County | - 144 | Pinto Tag nurseries | - 29 |
| No. nursery inspections made | - 166 | Inspection man days | - 156 |
| Non-compliance violations | 31 | No. plants held | - 31,868 |

SEED INSPECTION

The California seed law requires labeling of agricultural and vegetable seeds for identity, purity, germination, and weed seed content. Inspection and sampling of seed lots is made in wholesale and retail sales places. Stop sales doubled over last year.

| <u>SUMMARY OF SEED INSPECTION</u> | <u>1962</u> | <u>(1961)</u> |
|-----------------------------------|-------------|---------------|
| No. of seed houses in County | - 57 | 51 |
| Seed inspection, man hours | - 76 | 76 |
| Stop Sales issued | - 41 | 20 |
| Official samples drawn | - 10 | 4 |

WEED CONTROL - 1962

Regulations requiring the buyer of injurious materials to obtain a permit prior to purchase or use were extended this year to include Sodium Arsenite, which has caused considerable death loss to livestock and some humans to lose their lives in past years. By this regulation the permittee is given first hand information on his weed problem and the proper methods and care to be taken in use of this material.

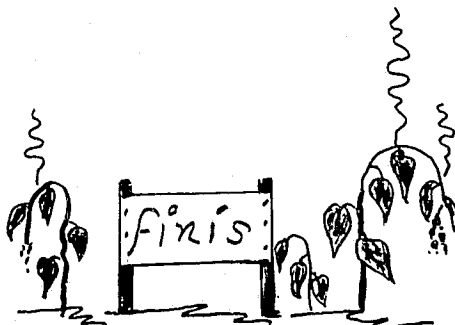
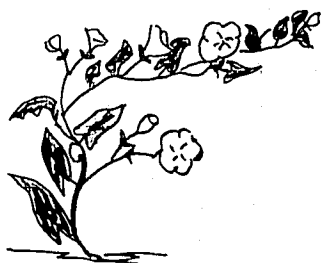
573 permits were issued for weed control this year -
(316 - Sodium Arsenite (Triox) - 212 - Herbicides)

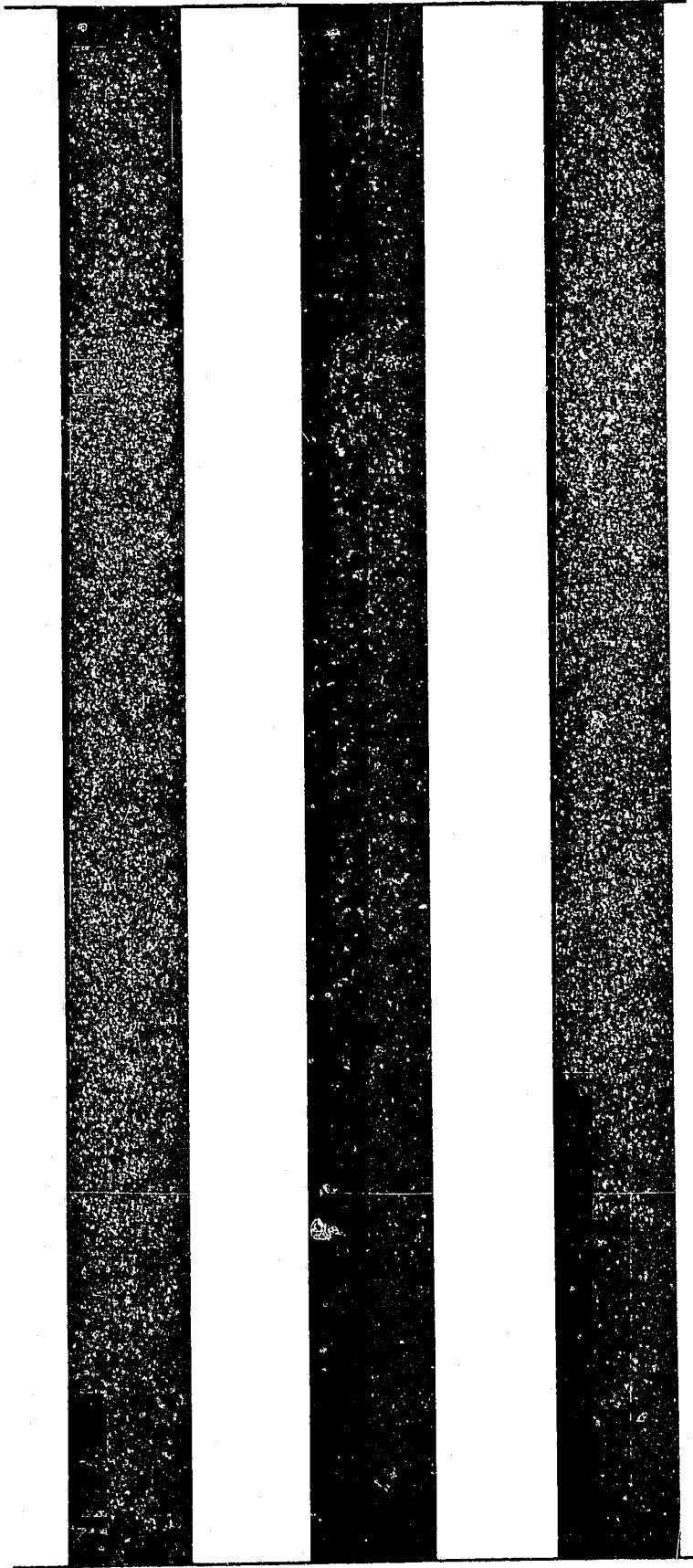
Biological control of Puncture Vine was started late this summer with the establishment of two colonies of the weevils Microtharax lareynii. Many new colonies will be started from these two releases next year.

Sixty-two (62) test plots were established this year using various new herbicides and mixtures in order to check local results that may be expected from their use.

SUMMARY OF NOXIOUS WEED INFESTATIONS - 1962

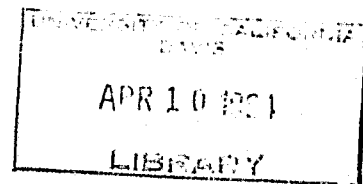
| Infested Area (Acres) | Crops & Pasture | Roadsides Wasteland | TOTAL | No. Infestations | | | Type of Program |
|-----------------------|-----------------|---------------------|-----------|------------------|-----|-------|-----------------|
| | | | | Old | New | Total | |
| Italian Thistle | 2,200.00 | 340.00 | 2,540.00 | 24 | 0 | 24 | Control |
| Purple Star Thistle | 351.00 | 0.25 | 351.25 | 3 | 1 | 4 | Eradicate |
| Klamath Weed | 0.10 | 1,218.00 | 1,218.10 | 3 | 0 | 3 | Eradicate |
| Johnson Grass | 42.55 | 6.60 | 49.15 | 82 | 3 | 85 | Control |
| Yellow Star Thistle | 39.00 | 62.50 | 101.50 | 13 | 7 | 20 | Eradicate |
| Hoary Cress | 750.00 | 5.25 | 755.25 | 73 | 0 | 73 | Control |
| Quack Grass | 0.50 | 3.70 | 4.20 | 15 | 0 | 15 | Eradicate |
| Russian Knapweed | 2.50 | 0.25 | 2.75 | 3 | 0 | 3 | Eradicate |
| Wavy Leaved Gaura | | 0.10 | 0.10 | 1 | 0 | 1 | Eradicate |
| Alkali Mallow | 117.00 | 13.00 | 130.00 | 12 | 0 | 12 | Control |
| Poverty Weed | | 1.00 | 1.00 | 1 | 0 | 1 | Eradicate |
| White Horsenettle | 0.25 | 0.21 | 0.46 | 3 | 1 | 4 | Eradicate |
| Morning Glory | 14,800.00 | 2,125.00 | 16,925.00 | 993 | 0 | 993 | Control |
| Scented Gaura | 2.00 | | 2.00 | 1 | 0 | 1 | Eradicate |
| Puncture Vine | 10.26 | 16.01 | 26.27 | 27 | 3 | 30 | Eradicate |
| Gorse | 2.50 | | 2.50 | 2 | 0 | 2 | Eradicate |
| Russian Thistle | | 0.02 | 0.02 | 2 | 0 | 2 | Eradicate |
| | 18,317.66 | 3,791.89 | 22,109.55 | 1258 | 15 | 1273 | |



Three vertical black bars of varying widths are positioned on the left side of the page. The bars are solid black and run from near the top to near the bottom of the page. The middle bar is the widest, flanked by two narrower bars.

1963

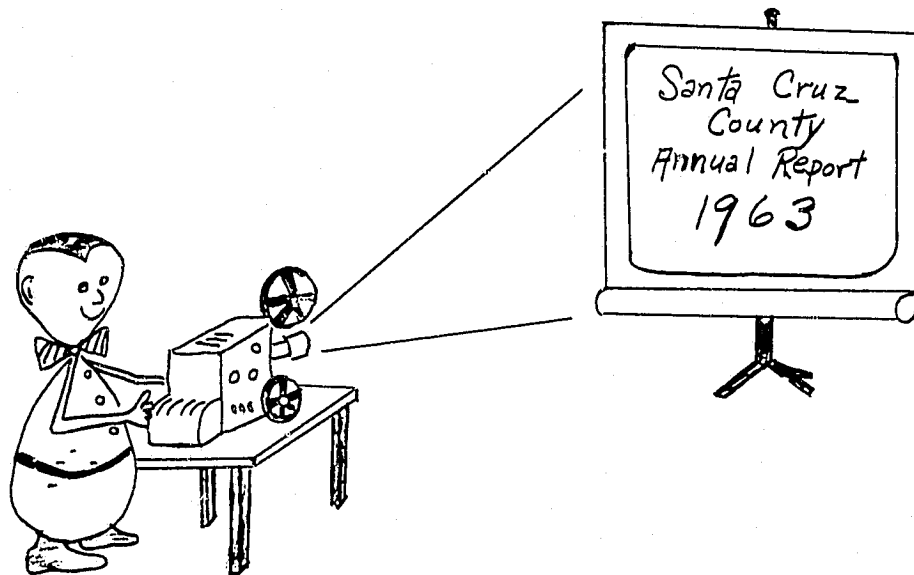
ANNUAL REPORT



1963

**County of
SANTA CRUZ**

AGRICULTURAL COMMISSIONER



REPORT OF SANTA CRUZ COUNTY
DEPARTMENT OF AGRICULTURE

TO

CHARLES PAUL, DIRECTOR

CALIFORNIA DEPARTMENT OF AGRICULTURE

AND

THE SANTA CRUZ COUNTY BOARD OF SUPERVISORS

RUSS MCCALLIE, CHAIRMAN

(Seaside)

| | | |
|-------------------|---|---------------|
| FRANCIS SILLIMAN | - | (Pajaro) |
| LEWIS NELSON | - | (Soquel) |
| VINCENT LOCATELLI | - | (San Lorenzo) |
| ROBERT E. BURTON | - | (Branciforte) |

SANTA CRUZ COUNTY
DEPARTMENT OF AGRICULTURE PERSONNEL

AGRICULTURAL COMMISSIONER

MATT MELLO

ASSISTANT COMMISSIONER

ROBERT J. HOFF

CLERKS

Sarah R. Odom
Mary Boyle

AGRICULTURAL INSPECTORS

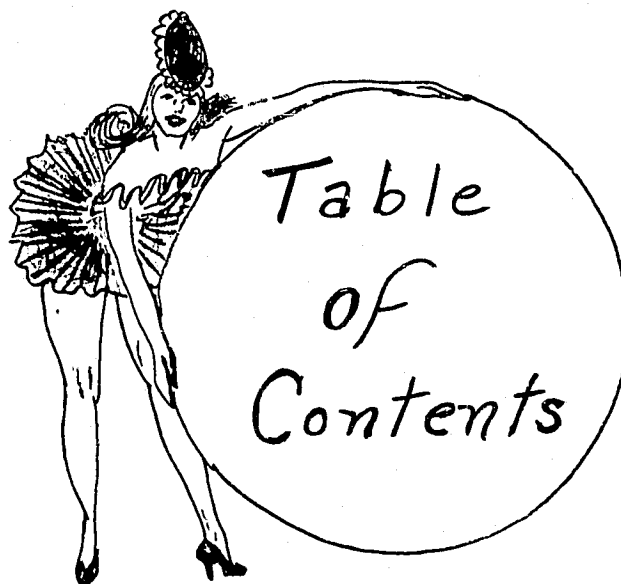
Kenneth Tweedy
Donald H. Shaw
Richard Nutter
Fred Hamisch
W. S. Jamison
Jerry Littleton

SEASONAL INSPECTOR

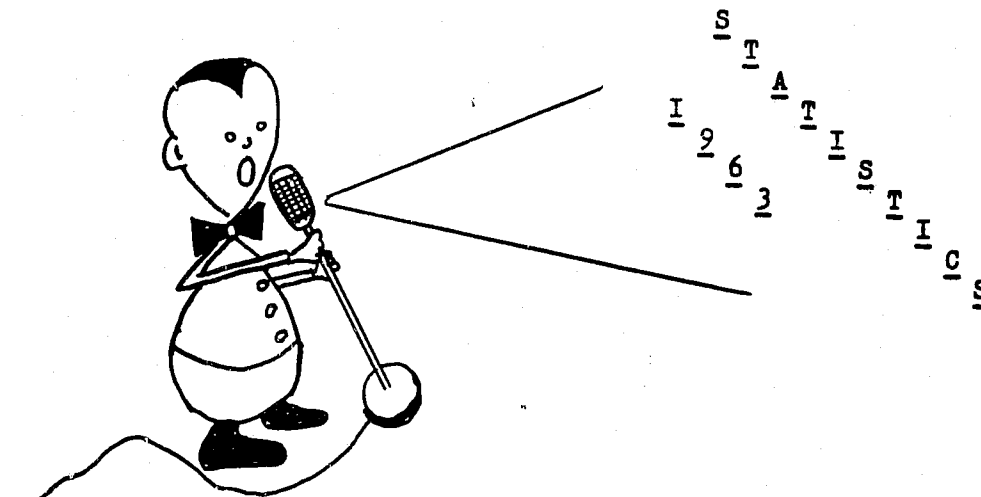
Joseph T. Brazil

ACKNOWLEDGEMENT

We are indebted to many individuals for their help and cooperation in making available to us their records and information with which to compile this Annual Report.



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Elevation Range - 0 to 2,715

1963 TEMPERATURE RANGE

Watsonville

73.96° F
92° F
38.76° F
24° F

Average Maximum
July 26th High
Average Minimum
January 13th Low

Santa Cruz

68.80° F
96° F
44.50° F
22° F

RAINFALL

Watsonville

34.26 inches
26.02 inches
19.34 inches

1963 Season (7-1-62 to 6-30-63)
1962 Season
Normal Averages (Last 20 yrs.)

Santa Cruz

33.86 inches
27.36 inches
32.50 inches

POPULATION & APPRAISAL

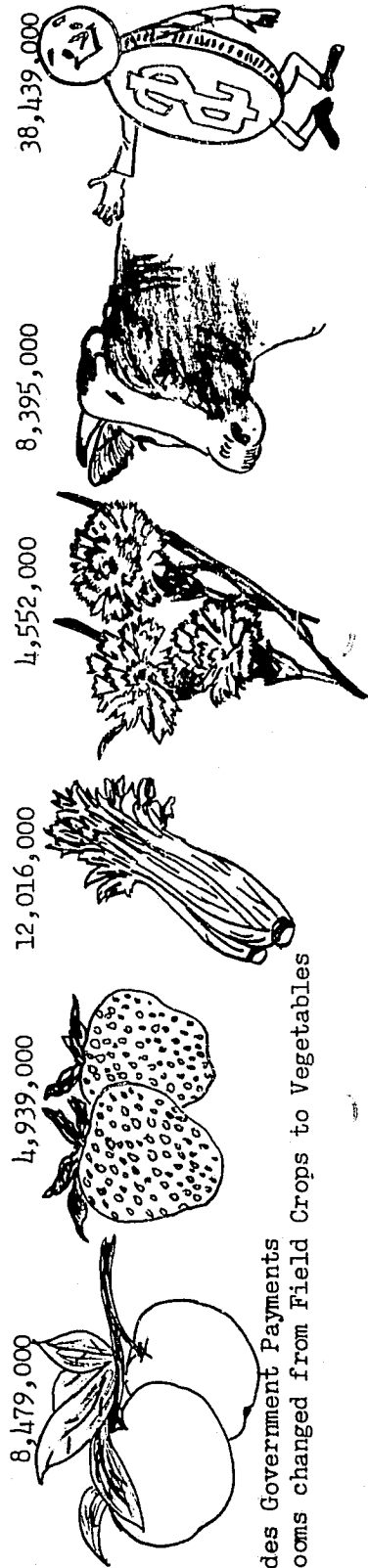
| | |
|--|-------------------|
| County Population (C.T.A. Estimate) | 105,200 |
| Total net assessed valuation of property (1963-64) | \$ 235,000,000.00 |
| Total area of County (439 sq. miles) | 280,960 acres |
| Total area of farm land (1959 Census) | 108,984 acres |
| (Not including forest land) | |

STATE PARKS AREA - 21,195 acres

| | | | |
|---------------------|--------------|--------------------|-----------|
| Big Basin Park | 11,553 acres | Natural Bridges | 47 acres |
| Capitola Beach | 6 acres | New Brighton | 63 acres |
| Henry Cowell | 1,737 acres | Seacliff | 84 acres |
| Manresa Beach | 21 acres | Sunset | 292 acres |
| Twin Lakes | 112 acres | Santa Cruz Mission | 1 acre |
| Nesine Marks Forest | 7,279 acres | | |

SANTA CRUZ COUNTY TREND OF VALUE IN PRODUCTION

| <u>Year</u> | <u>Fruit & Nut Crops</u> | <u>Berry Crops</u> | <u>Vegetable Crops**</u> | <u>Field Crops</u> | <u>Animal Industry</u> | <u>GRAND TOTAL*</u> |
|-------------|------------------------------|--------------------|--------------------------|--------------------|------------------------|---------------------|
| 1954 | \$ 7,682,000 | \$ 5,827,000 | \$ 9,299,000 | \$ 1,694,000 | \$ 6,109,000 | \$ 30,694,000 |
| 1955 | 7,051,000 | 8,019,000 | 9,374,000 | 1,690,000 | 6,556,000 | 32,730,000 |
| 1956 | 8,977,000 | 9,857,000 | 10,128,000 | 1,863,000 | 6,795,000 | 37,695,000 |
| 1957 | 6,458,000 | 6,562,000 | 8,805,000 | 1,932,000 | 6,838,000 | 30,643,000 |
| 1958 | 7,195,000 | 7,854,000 | 8,105,000 | 2,408,000 | 7,548,000 | 33,164,000 |
| 1959 | 8,858,400 | 7,364,000 | 10,213,800 | 2,951,600 | 6,183,500 | 35,637,500 |
| 1960 | 12,389,000 | 5,350,000 | 12,094,000 | 3,782,000 | 8,178,000 | 41,851,000 |
| 1961 | 13,888,000 | 4,586,000 | 13,273,000 | 3,802,000 | 7,498,000 | 43,100,000 |
| 1962 | 13,174,000 | 5,081,000 | 12,450,000 | 4,232,000 | 7,268,000 | 42,246,000 |
| 1963 | 8,479,000 | 4,939,000 | 12,016,000 | 4,552,000 | 8,395,000 | 38,439,000 |



* Includes Government Payments

** Mushrooms changed from Field Crops to Vegetables

ACREAGE, PRODUCTION and VALUE of AGRICULTURAL PRODUCTS

SANTA CRUZ COUNTY, CALIFORNIA

Compiled by MATT MELLO, Agricultural Commissioner

| | 1963 | | | | | | 1962 | | | | | |
|------------------------|---------------|----------|------------------|-----------|-----------------------|----------------|---------------|----------|------------------|-----------|-----------------------|----------------|
| | Bearing Acres | Per Acre | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit | Total | Bearing Acres | Per Acre | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit | Total |
| FRUIT CROPS | | | | | | | | | | | | |
| Apples | 7,488 | 14.66 | (109,790) | Tons | | (\$ 8,124,000) | 8,986 | 13.4 | (120,490) | Tons | | (\$12,355,000) |
| —Fresh | | | 33,220 | Tons | \$ 112.72 | 3,745,000 | | | 52,090 | Tons | \$ 153.76 | 8,009,000 |
| —Dryer | | | 12,115 | Tons | 59.50 | 721,000 | | | 19,985 | Tons | 64.48 | 1,289,000 |
| —Processing | | | 45,480 | Tons | 61.59 | 2,801,000 | | | 34,505 | Tons | 72.36 | 2,497,000 |
| —Juice | | | 18,975 | Tons | 45.17 | 857,000 | | | 13,910 | Tons | 40.25 | 560,000 |
| Apricots | | | | | | | | | | | | |
| —Fresh | 154 | 3.46 | 205 | Tons | 161.00 | 33,000 | 235 | 1.1 | 150 | Tons | 260.00 | 39,000 |
| —Dry* | | | 57 | Tons* | 1,100.00 | 63,000 | | | 22 | Tons* | 1,360.00 | 30,000 |
| —Processing | | | 45 | Tons | 77.00 | 3,000 | | | — | | — | — |
| Cherries | 46 | .04 | 2 | Tons | 650.00 | 1,000 | 89 | 1.66 | 150 | Tons | 786.00 | 118,000 |
| Grapes | 107 | .71 | 75 | Tons | 109.00 | 8,000 | 104 | 1. | 105 | Tons | 152.00 | 16,000 |
| Pears | 514 | 2.26 | 1,160 | Tons | 110.00 | 128,000 | 741 | 4.65 | 3,445 | Tons | 78.95 | 272,000 |
| Persimmons | 21 | 3.37 | 70 | Tons | 111.00 | 8,000 | 18 | 6. | 108 | Tons | 230.00 | 25,000 |
| Plums | 440 | 1.24 | 545 | Tons | 124.00 | 68,000 | 541 | .87 | 470 | Tons | 260.00 | 122,000 |
| Prunes—Dry* | 364 | .88 | 160 | Tons* | 230.00 | 37,000 | 502 | 2.27 | 570 | Tons* | 320.00 | 182,000 |
| Walnuts | 48 | .03 | 1 | Tons | 624.00 | 1,000 | 55 | .26 | 15 | Tons | 600.00 | 9,000 |
| Miscellaneous | 66 | | | | | 5,000 | 66 | | | | | 6,000 |
| | 9,248 | | | | | \$ 8,479,000 | 11,337 | | | | | \$13,174,000 |
| BERRY CROPS | | | | | | | | | | | | |
| Blackberries | 265 | 5.8 | 1,540 | Tons | \$238.00 | \$ 366,000 | 305 | 7.25 | 2,180 | Tons | \$ 213.75 | \$ 466,000 |
| Boysenberries | 140 | 3.0 | 420 | Tons | 286.00 | 120,000 | 170 | 3.3 | 560 | Tons | 260.00 | 146,000 |
| Loganberries | 70 | 2.5 | 175 | Tons | 241.00 | 42,000 | 75 | 2.7 | 205 | Tons | 230.00 | 47,000 |
| Raspberries | 60 | 1,154.0 | 69,200 | Trays 9# | 3.35 | 232,000 | 60 | 1,287. | 77,200 | Trays 9# | 3.36 | 259,000 |
| Blue and Misc. | 30 | 305.0 | 9,150 | Trays 10# | 4.00 | 37,000 | 25 | 480. | 12,000 | Trays 10# | 3.75 | 45,000 |
| Strawberries | | | | | | | | | | | | |
| —Fresh | 820 | | 1,685,000 | Trays 12# | 2.20 | 3,708,000 | 940 | | 1,709,000 | Trays 12# | 2.16 | 3,688,000 |
| —Processing | | 14.6 | 1,810 | Tons | 240.00 | 434,000 | | 12.8 | 1,660 | Tons | 260.00 | 430,000 |
| | 1,385 | | | | | \$ 4,939,000 | 1,575 | | | | | \$ 5,081,000 |
| FIELD CROPS | | | | | | | | | | | | |
| Beans, dry | 385 | 17. | 6,545 | cwt. | \$ 9.40 | \$ 62,000 | 740 | 16.12 | 11,930 | cwt. | \$ 10.94 | \$ 131,000 |
| Grain | 630 | 1.26 | 790 | Tons | 44.90 | 35,000 | 650 | 1.34 | 875 | Tons | 44.81 | 39,000 |
| Hay | 4,240 | 2.44 | 10,345 | Tons | 35.30 | 365,000 | 4,500 | 2.37 | 10,650 | Tons | 34.10 | 363,000 |
| Corn Silage | 205 | 14.25 | 2,920 | Tons | 15.00 | 44,000 | 160 | 14.5 | 2,345 | Tons | 15.00 | 35,000 |
| Pasture, Irrig. | 3,050 | | | Acres | 15.00 | 107,000 | 2,850 | | | Acres | 35.00 | 100,000 |
| Pasture, Other | 49,715 | | | Acres | 2.75 | 137,000 | 49,850 | | | Acres | 2.75 | 137,000 |
| Sugar Beets | 545 | 33. | 17,985 | Tons | 11.50 | 207,000 | 210 | 26. | 5,460 | Tons | 11.00 | 60,000 |
| Veg. & Flower Seed | 5 | | 210 | Lbs. | | 56,000 | 25 | | 3,000 | Lbs. | | 86,000 |
| Nursery Stock | 595 | | 4,704,000 | Plants | | 1,506,000 | 595 | | 10,512,000 | Plants | | 1,441,000 |
| —Bulbs | | | 4,869,000 | Bulbs | | 461,000 | | | 5,456,000 | Bulbs | | 667,000 |
| —Cut Flowers | | | 41,744,000 | Blooms | | 1,572,000 | | | 26,515,000 | Blooms | | 1,173,000 |
| | 59,370 | | | | | \$ 4,552,000 | 59,580 | | | | | \$ 4,232,000 |
| VEGETABLE CROPS | | | | | | | | | | | | |
| Artichokes | 380 | 257.2 | 97,700 | bx. 21# | \$ 2.00 | \$ 195,000 | 390 | 270. | 105,000 | bx. 21# | \$ 1.85 | \$ 194,000 |
| Beans, Green | 1,380 | 8.4 | 11,590 | Tons | 144.75 | 1,678,000 | 2,170 | 7.7 | 16,710 | Tons | 126.75 | 2,118,000 |
| Broccoli | 375 | 2.02 | 755 | Tons | 184.40 | 139,000 | 410 | 2.3 | 945 | Tons | 175.24 | 166,000 |
| Brussels Sprouts | 2,930 | 7.34 | 21,505 | Tons | 215.00 | 4,624,000 | 2,750 | 7.1 | 19,595 | Tons | 212.50 | 4,160,000 |
| Cabbage | 140 | 128.9 | 18,045 | cwt. | 3.70 | 67,000 | 65 | 234. | 14,725 | cwt. | 2.00 | 30,000 |
| Cauliflower | 870 | 73.1 | 63,590 | cwt. | 7.25 | 461,000 | 690 | 96. | 66,470 | cwt. | 7.37 | 490,000 |
| Celery | 220 | 541. | 119,000 | crt. | 2.15 | 256,000 | 190 | 701. | 133,200 | crt. | 2.13 | 284,000 |
| Corn, sweet | 25 | 800. | 20,000 | doz. | .55 | 11,000 | 80 | 720. | 57,600 | Doz. | .40 | 23,000 |
| Cucumbers | 150 | 8.3 | 1,245 | Tons | 71.00 | 88,000 | 60 | 7.6 | 455 | Tons | 67.56 | 31,000 |
| Lettuce | 3,220 | 440.7 | 1,419,000 | ctns. | 1.74 | 2,469,000 | 3,595 | 494. | 1,776,000 | ctns. | 1.64 | 2,913,000 |
| Mushrooms | | | 2,739,000 | Lbs. | .50 | 1,369,000 | | | 2,990,000 | Lbs. | .55 | 1,643,000 |
| Peas | 30 | 51. | 1,530 | cwt. | 14.00 | 21,000 | 70 | 65. | 4,500 | cwt. | 12.60 | 57,000 |
| Squash | 485 | 118. | 57,230 | cwt. | 5.28 | 302,000 | 370 | 82. | 30,340 | cwt. | 4.79 | 145,000 |
| Tomatoes | 140 | 174. | 24,360 | cwt. | 4.07 | 99,000 | 150 | 73. | 19,950 | cwt. | 4.62 | 51,000 |
| Misc. Veg. | 305 | | | | | 237,000 | 330 | | | | | 145,000 |
| | 10,650 | | | | | \$ 12,016,000 | 11,320 | | | | | \$12,450,000 |
| PLANT INDUSTRY | 80,653 | | | | | \$ 29,986,000 | 83,812 | | | | | \$34,937,000 |

| | 1963 | | | | | 1962 | | | | |
|----------------------------|------------------|------------|------|--------------------------|--------------|------------------|------------|------|--------------------------|--------------|
| | PRODUCTION | Total | Unit | F.O.B. VALUE Per Unit | Total | PRODUCTION | Total | Unit | F.O.B. VALUE Per Unit | Total |
| APIARY | | | | | | | | | | |
| Honey | 2,500 colonies | 133,000 | Lbs. | \$ 0.14 | \$ 19,000 | 2,475 colonies | 198,000 | Lbs. | \$ 0.12 | \$ 24,000 |
| Wax | | 1,500 | Lbs. | 0.44 | 7,000 | | 1,855 | Lbs. | 0.48 | 1,000 |
| Pollination | 2,450 colonies | | | | 20,000 | 2,475 colonies | | | | 20,000 |
| MILK | | | | | | | | | | |
| Market | | 119,000 | cwt. | 4.60 | 547,000 | | 112,000 | cwt. | 4.70 | 526,000 |
| Manufacturing | | 39,800 | cwt. | 2.96 | 118,000 | | 53,400 | cwt. | 2.98 | 159,000 |
| LIVESTOCK | | | | | | | | | | |
| Cattle & Calves | 8,690 head | 62,050 | cwt. | 21.66 | 1,344,000 | 5,535 head | 47,700 | cwt. | 21.96 | 1,047,000 |
| Breeders | 350 head | | | | 92,000 | 135 head | | | | 53,000 |
| Swine | 815 head | 1,615 | cwt. | 16.62 | 27,000 | 765 head | 1,450 | cwt. | 18.38 | 27,000 |
| Sheep & Lambs | 2,740 head | 2,835 | cwt. | 18.08 | 51,000 | 2,480 head | 2,570 | cwt. | 17.62 | 45,000 |
| —Wool | | 16,670 | Lbs. | 0.43 | 7,000 | | 17,580 | Lbs. | .43 | 8,000 |
| EGGS | | | | | | | | | | |
| —Market | | 4,280,000 | doz. | 0.342 | 1,464,000 | | 4,560,430 | Doz. | .35 | 1,597,000 |
| —Hatching | | 451,670 | doz. | | 482,000 | | 280,280 | Doz. | | 303,000 |
| CHICKENS | 4,634,700 fryers | 18,631,500 | Lbs. | 0.177 | 3,298,000 | 3,970,000 fryers | 15,942,000 | Lbs. | .144 | 2,296,000 |
| POULTRY, Other | | | | | 395,000 | | | | | 585,000 |
| TURKEYS | 101,210 birds | 2,132,300 | Lbs. | 0.224 | 478,000 | 86,400 birds | 1,810,800 | Lbs. | .216 | 394,000 |
| RABBITS | 35,320 head | 159,000 | Lbs. | 0.291 | 46,000 | 59,360 head | 258,000 | Lbs. | .295 | 76,000 |
| FUR ANIMALS | | | | | | 3,220 head | | | | 107,000 |
| ANIMAL INDUSTRY | | | | | \$ 8,395,000 | | | | | \$ 7,268,000 |
| GRAND TOTAL—All Production | | | | | \$38,381,000 | | | | | \$42,205,000 |
| GOVERNMENT PAYMENTS | | | | | \$ 58,000 | | | | | \$ 41,000 |

CROP SUMMARY - 1963

The total gross value of agricultural production reflected a decline with fruit crops hardest hit.

The F.O.B. value represents the gross value of the product when sold and does not mean net income to the producer.

Many factors influenced the figures indicated in this report. Shrinking acreage in production reduced by subdivisions and economic conditions of high costs and low returns. Adverse weather severely affected most fruit crops. Frost, hail and late heavy spring rains affected fruit set and caused poor quality and disease conditions.

A Federal-State tree census completed during the year changed the recorded fruit acreage in the County.

Mushroom production and value is changed in this report from Field Crops to Vegetable Crops to conform with Statewide reporting procedure.

APPLES - Adverse weather affected production and quality. Severe russetting was general and presented marketing problems. Other Western States had large apple crops and swamped the markets in California, giving local producers unusually heavy competition at low prices. Fresh market prices were weak from the start and did not improve. Processing demand helped the apple movement extensively during the early season period. Heavy importation of cheaper processing apples from other states by local processors had a depressing influence on demand and price in late season.

CHERRIES - A crop failure due to weather and bird damage.

PEARS - Good market price and demand but light crop due to weather, decline and acreage removal.

PLUMS - Light crop, severe hail injury and heavy shipments from competitive producing areas resulted in low market returns.

BUSHBERRIES - Production lower but market demand and returns considerably better.

STRAWBERRIES - Some acreage reduction but production and fresh market prices improved.

NURSERY STOCK - Substantial increase in cut flowers production. Economics shifting production of ornamental plants.

LETTUCE - Marketing program not in effect this season. Heavy spring rains affected spring crop with weak market. Summer crop good with improved market. Weak market demand and growing conditions affected the fall crop.

BRUSSELS SPROUTS - Continued to increase in importance as a major crop here. With imminent harvest labor problems, growers are directing their attention to new varieties that may be mechanically harvested.

LIVESTOCK - Marketings of cattle reflected sizeable increase with sheep and hogs also on upswing.

TREND OF PERMANENT CROPS IN SANTA CRUZ COUNTY

| | <u>Bearing Acres</u> | | | <u>Non-bearing Acreage</u> | <u>Total Acreage 1 9 6 3</u> |
|-------------------|----------------------|-------------|-------------|--------------------------------|--------------------------------------|
| <u>APPLES -</u> | <u>1954</u> | <u>1958</u> | <u>1963</u> | | |
| Newtown Pippin | 4,918 | 4,373 | 3,762 | 413 | 4,175 |
| Delicious - Red | 1,781 | 1,779 | 2,363 | 1,551 | 3,914 |
| Delicious - Std | 528 | 536 | 396 | 5 | 401 |
| Bellefleur | 846 | 480 | 284 | 1 | 285 |
| Winter Banana | 214 | 202 | 151 | 27 | 178 |
| W.W.Pearmain | 193 | 160 | 106 | 0 | 106 |
| Gravenstein | 156 | 103 | 89 | 10 | 99 |
| Golden Delicious | 39 | 43 | 72 | 40 | 112 |
| McIntosh | 6 | 6 | 11 | 205 | 216 |
| Other Varieties | 474 | 292 | 254 | 196 | 450 |
| TOTAL | 9,155 | 7,974 | 7,488 | 2,448 | 9,936 |
| <u>APRICOTS -</u> | | | | | |
| All Varieties | 378 | 257 | 154 | 32 | 186 |
| <u>CHERRIES</u> | | | | | |
| Royal Ann | 106 | 46 | 13 | 0 | 13 |
| Bing | 67 | 43 | 19 | 1 | 20 |
| Other Varieties | 96 | 26 | 14 | 0 | 14 |
| TOTAL | 269 | 115 | 46 | 1 | 47 |
| <u>GRAPES</u> | | | | | |
| Wine Varieties | 500 | 217 | 87 | 2 | 89 |
| Table Varieties | 50 | 28 | 20 | 2 | 22 |
| TOTAL | 550 | 245 | 107 | 4 | 111 |
| <u>PEARS</u> | | | | | |
| Bartlett | 627 | 575 | 399 | 50 | 449 |
| Beurre Hardy | 192 | 172 | 104 | 17 | 121 |
| Comice | 46 | 26 | 9 | 0 | 9 |
| Other Varieties | 55 | 38 | 2 | 1 | 3 |
| TOTAL | 920 | 811 | 514 | 68 | 582 |
| <u>PLUMS</u> | | | | | |
| Santa Rosa | 299 | 368 | 391 | 58 | 449 |
| Other Varieties | 106 | 32 | 50 | 3 | 53 |
| TOTAL | 405 | 400 | 441 | 61 | 502 |
| <u>PRUNES -</u> | | | | | |
| French | 541 | 416 | 292 | 1 | 293 |
| Other Varieties | 126 | 52 | 72 | 6 | 78 |
| TOTAL | 667 | 503 | 364 | 7 | 371 |

ALL FRUIT & NUT CROPS -

| | | | | |
|---------------------|--------|--------|--|--------|
| GRAND TOTAL (Acres) | 12,344 | 10,305 | | 11,735 |
|---------------------|--------|--------|--|--------|

T R E N D O F O T H E R C R O P S
I N S A N T A C R U Z C O U N T Y
Total Acres Grown (Includes New Plantings)

| | <u>1959</u> | <u>1960</u> | <u>1961</u> | <u>1962</u> | <u>1963</u> |
|-------------------|-------------|-------------|-------------|-------------|-------------|
| Bushberries | 940 | 865 | 815 | 715 | 655 |
| Blackberry | 435 | 415 | 375 | 340 | 340 |
| Blueberry + Misc. | 20 | 25 | 25 | 25 | 30 |
| Boysenberry | 285 | 225 | 235 | 205 | 155 |
| Loganberry | 125 | 120 | 90 | 85 | 70 |
| Raspberry | 75 | 80 | 90 | 60 | 60 |
| Strawberries | 1,850 | 1,070 | 925 | 940 | 820 |
| Artichokes | 410 | 395 | 390 | 390 | 380 |
| Beans, green | 945 | 1,290 | 1,770 | 2,170 | 1,380 |
| Broccoli | 1,145 | 680 | 650 | 410 | 375 |
| Brussels sprouts | 2,725 | 2,635 | 2,760 | 2,750 | 2,930 |
| Cabbage | 90 | 140 | 45 | 65 | 140 |
| Cauliflower | 685 | 1,325 | 1,175 | 690 | 870 |
| Celery | 190 | 230 | 250 | 190 | 220 |
| Corn, sweet | 200 | 215 | 75 | 80 | 25 |
| Lettuce, spring | 1,050 | 535 | 445 | 340 | 250 |
| Lettuce, summer | 2,115 | 2,480 | 2,310 | 2,100 | 2,105 |
| Lettuce, fall | 985 | 1,220 | 1,180 | 1,155 | 865 |
| Potatoes | 50 | 170 | 70 | 125 | 65 |
| Squash | 220 | 505 | 325 | 370 | 485 |
| Tomatoes | 230 | 230 | 140 | 150 | 140 |
| Beans, dry | 575 | 360 | 300 | 740 | 385 |
| Grain | 315 | 450 | 605 | 650 | 630 |
| Hay | 2,600 | 4,870 | 4,720 | 4,500 | 4,240 |
| Sugar beets | 425 | 520 | 630 | 210 | 545 |
| Nursery Stock | 620 | 690 | 530 | 595 | 595 |

PLANT QUARANTINE

Restricting the movement of commodities or appliances that may introduce or spread insect pests, noxious weeds or seeds and plant diseases has long been an effective tool in protecting agriculture in California.

In many cases treatment can be applied insuring cleanliness and the commodities may be released.

Clearance of farm equipment leaving the Club Root quarantine area of the County was handled smoothly and effectively with good cooperation from growers in the area. Considerable man time was required to service this required program during the year.

The usual interceptions of incoming quarantine shipments in violation were noted with citrus whitefly and chestnut bark disease predominating.

| <u>SUMMARY OF INCOMING SHIPMENTS</u> | <u>Interstate</u> | <u>Intrastate</u> | <u>Total Shipments</u> |
|--------------------------------------|-------------------|-------------------|------------------------|
| Shipments Inspected | 2,064 | 767 | 2,831 |
| Shipments Rejected | 14 | 0 | 14 |
| Plants Inspected | 6,120,252 | 8,159,662 | 14,279,914 |
| Plants Rejected | 76 | 0 | 76 |
| Bulk Inspected (Tons) | 7,394 | 0 | 7,394 |

Export Certificates - 323 shipments - 1,517,832 plants - 14,152 pkgs. produce
Club Root Disease Certificates of Treatment issued - 223
Postentry Shipments - 4 (80 plants)

* * * * *

NURSERY INSPECTION

Plant nurseries are required by State law to maintain proper labeling and standards of pest cleanliness.

A marked improvement in labeling by local nurseries was noted during the year. Over five times as many plants were required to be held for pest cleanup this year.

New firms engaged in floriculture continue to locate here from other areas.

SUMMARY OF NURSERY INSPECTION

| | | | | | |
|---------------------------|---|-----|---------------------|---|---------|
| No. Plant Nurseries | - | 117 | Pinto Tag Nurseries | - | 30 |
| No. Nursery Inspections | - | 120 | Inspection man days | - | 134 |
| Non-Compliance violations | - | 30 | No. Plants held | - | 171,222 |
| No. Cut Flower Nurseries | - | 18 | | | |

* * * * *

SEED INSPECTION

Inspection and sampling of agricultural and vegetable seed lots made in wholesale and retail sales places for proper labeling as to germination and weed seeds increased over the previous year.

SUMMARY OF SEED INSPECTION

| | <u>1963</u> | <u>1962</u> |
|------------------------------|-------------|-------------|
| No. of seed houses in County | 62 | 57 |
| Seed inspection, man hours | 120 | 76 |
| Stop Sales issued | 81 | 41 |
| Official samples drawn | 16 | 10 |

STANDARDIZATION

This function relates to inspection of fruits, vegetables, nuts, eggs, poultry meat, and honey for compliance with standards of quality, packing arrangement, containers and marking requirements when these products are prepared and offered for sale.

Inspections are made in the fields, packing houses and truck terminals on out-going shipments as well as in the retail and wholesale markets affecting local consumer levels.

Work load on marketing order programs was lighter due to short crops but more effort was required on egg inspection to correct problem areas.

Cold storage reports of apple holdings from the 24 storages here were assembled monthly for growers information.

Apple maturity tests reflected low soluble solids levels due to a late cool season.

LETTUCE INSPECTION

| | | <u>1963</u> | <u>1962</u> |
|-------------------------|---|-------------|-------------|
| No. certificates issued | - | 1,602 | 1,794 |
| No. man hours | - | 1,471 | 1,683 |
| No. pkgs. certified | - | 1,392,989 | 1,782,160 |
| No. inspections | - | 3,494 | 4,237 |

PRODUCE CERTIFICATION

| | | | |
|-------------------------|---|---------|---------|
| No. certificates issued | - | 718 | 609 |
| No. man hours | - | 379 | 403 |
| No. pkgs. certified | - | 179,430 | 189,486 |
| No. inspections | - | 718 | 618 |

MARKETING ORDER CERTIFICATION

| | | | |
|------------------------|---|------------------|--------|
| No. inspections | - | 82 | 225 |
| No. man hours | - | 63 $\frac{1}{2}$ | 145 |
| Fresh Plums (Pkgs.) | - | 9,973 | 16,710 |
| Other Marketing Orders | - | 938 | 9,844 |

MARKET INSPECTION

| | | | |
|---------------------------|---|---------|---------|
| No. produce inspections | - | 3,789 | 4,205 |
| No. egg inspections | - | 702 | 571 |
| Eggs inspected (doz) | - | 115,096 | 127,724 |
| Eggs rejected (doz) | - | 11,560 | 2,815 |
| No. egg violations | - | 214 | 50 |
| Poultry inspected (pkgs.) | - | 33,287 | 41,042 |
| Honey inspected | - | 67,564 | 78,243 |

SUMMARY - STANDARDIZATION

| | | | |
|--------------------------|---|-----------|-----------|
| Man days - total | - | 687 | 635 |
| Total inspections | - | 10,371 | 10,972 |
| Total pkgs. inspected | - | 2,637,042 | 3,338,193 |
| Total pkgs. certified | - | 1,572,419 | 1,998,200 |
| Total pkgs. rejected | - | 20,915 | 12,262 |
| No. violations issued | - | 392 | 234 |
| Total certif. fees rec'd | - | \$ 6,920. | \$ 9,085. |

PEST SURVEYS AND PEST CONTROL

PEST DETECTION SURVEYS - 1963

| <u>PEST</u> | <u>HOST</u> | <u>PROPERTIES</u> | <u>INSPECTED</u> | <u>CALLS</u> | <u>PROPERTIES INFESTED</u> |
|--------------------------|--------------|-------------------|------------------|--------------|----------------------------|
| Fruit Flies | Fruit | 110 | 110 Traps | 1173 | 0 |
| Japanese Beetle | Lawns-Ornam. | 17 | 17 " | 218 | 0 |
| Burrowing Nematode | Anthurium | 1 | 50 Plants | 1 | 0 |
| Citrus Wh.Fly & Ol.Scale | Ornamentals | 148 | 27 Acres | 148 | 0 |
| Cucurbit Insects | Cucurbits | 12 | 53 Acres | 2 | 0 |
| Corn Insects | Corn | 8 | 41 Acres | 8 | 0 |
| Grape Insects | Grape | 1 | 17 Acres | 5 | 0 |
| Spruce Needle Miner | Spruce Trees | 4 | 6 Acres | 4 | 0 |
| Khapra Beetle | Grain | 18 | | 18 | 0 |
| Club Root | Crucifers | 34 | 516 Acres | 34 | 1 |
| Maple Bladder Gall Mite | Maple | 1 | 500 Trees | 1 | 0 |
| Fuchsia Leaf Rust | Fuchsias | 3 | 14,000 Plants | 3 | 0 |
| Tree Fern Mite | Ferns | 6 | 100 Plants | 6 | 0 |
| | | 363 | | 1621 | 1 |

SUMMARY - 1963

PEST SURVEYS AND CONTROL - 3,749 Man Hours - 3,464 Calls.

LABORATORY IDENTIFICATION SAMPLES - Plant Diseases 183 - Insects 155.

PERMITS ISSUED FOR USE OF INJURIOUS MATERIALS - 251.

EXPERIMENTAL PEST CONTROL INFORMATION PLOTS - 19

NON-COMMERCIAL PEST CONTROL - 117½ Man Hours - 186 Properties - 297 Calls.

PEST ABATEMENTS - 38 Properties - 88.3 Acres Apples/Pears - Noxious Weeds - Treated or removed.

Major pest control problems involved the following:

EUROPEAN RED MITE - Severe on apples during late summer and fall. Control with most miticides ineffective or short duration. Early season Karathane applications for mildew gave suppression control. Oil in combination with Ethion W.P. tried and was satisfactory in most cases. Other oil miticide combinations gave variable results. Tepp dusts used by air as temporary controls and last ditch effort.

TWO SPOT MITE - Troublesome on strawberries, beans and cucumbers.

CABBAGE MAGGOT - Severe in Brussels Sprouts.

CABBAGE WORM & CABBAGE BUTTERFLY - Damaging in Cauliflower plantings.

WALNUT HUSK FLY - Becoming wide spread in County generally.

PEACH TWIG BORER - Unusual infestations affecting prune fruit.

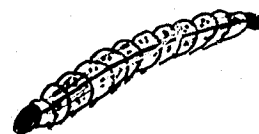
CALIFORNIA OAK MOTH - Extensive infestations on Oak trees.

CLUB ROOT - Reduced production in some Cauliflower fields.

ANGULAR LEAF SPOT - Not common here - found affecting cucumbers.

FUSARIUM oxysporium - Causing trouble in asparagus.

APPLE SCAB - Fairly widespread on foliage.



PEST CONTROL OPERATORS

Pest control operators are licensed by the State Department of Agriculture and must register with the Commissioner of the County in which work is to be done.

State regulations specify conditions of workmanship and precautions in applications under direction of the Agricultural Commissioner.

There were forty-three (43) Pest Control Operators registered in Santa Cruz County in 1963. Five of these were aerial applicators.

SUMMARY OF WORK BY PEST CONTROL OPERATORS

| <u>Application By</u> | <u>Type Crop</u> | <u>Area Treated</u> | |
|-----------------------|------------------|---------------------|-------------|
| | | <u>1963</u> | <u>1962</u> |
| Aircraft | Orchards | 4,104 | 4,563 |
| Ground Rig | " | 1,448 | 1,466 |
| Aircraft | Berries | 2,652 | 3,200 |
| Ground Rig | " | 129 | 679 |
| Aircraft | Vegetables | 10,408 | 9,906 |
| Ground Rig | " | 10,010 | 6,222 |
| Aircraft | Ornam & Misc | 181 | 582 |
| Ground Rig | " " | 742 | 257 |

* * * * *

APIARY 1963

During 1963, 2509 colonies of bees were registered in this County. This registered colony population is only a small portion of the total number of hives present during late winter and spring months. Migratory bee keepers move their bees into this County principally to pollinate our tree fruits, thus increasing the hive count to an estimated 5,000 colonies.

Because of the hazard of bee losses due to insecticide poisoning, we maintain a map recording all locations of Apiaries. This information is valuable to all parties concerned, Beekeepers, Pest Control Operators and Farmers and has proved to be effective with no loss occurring. Most Beekeepers cooperated promptly reporting all movement of bees.

One of the duties of this office is the inspection of Apiaries for bee diseases. Inspection emphasis was based upon field experience and the detection incidence of diseased colonies.

| <u>SUMMARY OF APIARY INSPECTION</u> | <u>1963</u> | <u>1962</u> | <u>1961</u> |
|-------------------------------------|-------------|-------------|-------------|
| Number of Apiaries | 115 | 114 | 112 |
| Total Number of Colonies | 3,097 | 3,089 | 2,907 |
| Apiaries Inspected | 42 | 22 | 33 |
| Colonies Inspected | 827 | 343 | 1,995 |
| Colonies Infected A.F.B. | 6 | 1 | 13 |
| Apiaries Infected A.F.B. | 5 | 1 | 5 |

ANNUAL REPORT 1963
RODENT & PEST ANIMAL CONTROL

GROUND SQUIRRELS: Soil moisture conditions were favorable for burrow fumigation, although the numerous spring rains caused some delays in our gassing program. Experiments in cooperation with the State Department of Agriculture using anhydrous ammonia as a fumigant were carried out but this method did not prove as effective as had been hoped. Extended periods of rain split the breeding season into two distinct parts. Our poisoning program was delayed because of this fact and also a noted lack of acceptance in early prebait trials. Squirrels in urban areas are still a control problem. Cage feeding trials using several coagulant poisons were also carried out with the State. Improvement in trapping techniques are making control in these areas more economical. Moving of our bait materials, supplies and our new poison mixing machine into larger quarters at the Holohan Yard was completed this year.

| | <u>1955-1959 Average</u> | <u>1963</u> |
|-----------------|--------------------------|-------------|
| Man Days | 175 Days | 150 Days |
| CS ₂ | 1,262 Lbs | 870 Lbs |
| Grain | 243 Lbs | 237 Lbs |

OTHER RODENTS: Anti-coagulant treated rolled wheat prepared and sold by our Department is our chief method of control for commensal rodent population. Sewer rat control is maintained by the use of wax block anti-coagulants. The heaviest rat population is to be found at the County dump. These rats are poisoned every year but the results are poor due mainly to large amounts of exposed food and harborage.

| | <u>1955-1959 Average</u> | <u>1963</u> |
|----------------------|--------------------------|-------------|
| Anti-Coagulant Grain | 1,851 Lbs | 2,110 Lbs |

Meadow mice populations were high this year as indicated by the amount of Zinc Phosphide treated grain that was sold, in addition to chemical treatments.

| | <u>1962</u> | <u>1963</u> |
|--------------------------|-------------|-------------|
| Zinc treated grains sold | 520 Lbs | 545 Lbs |

The Pocket Gopher causes more damage to crops and gardens than all other rodents. Trapping is still the primary method of control for small acreage. The use of the mechanical gopher baiting machine has been found to be very effective in orchards and pastures. The amount of use of this machine is reflected by the amount of gopher bait sold. The bait is used at approximately 4# per acre.

| | <u>1955-1959 Average</u> | <u>1963</u> |
|------------------|--------------------------|-------------|
| Strychnine-grain | 0 | 2,695 Lbs |
| Ozs. Strychnine | 109 Ozs. | 132 Ozs |

BIRD CONTROL: Damage to strawberries by Linnets and Crowned Sparrows was normal. Baiting trials indicated that good control could be obtained if enough care was taken during pre-baiting.

| | <u>1955-1959 Average</u> | <u>1963</u> |
|------------------|--------------------------|-------------|
| Lbs treated bait | 303 Lbs | 400 Lbs |

Wild Pigeons were not as plentiful as they have been in the past but some damage was caused to bushberries. Cedar Wax Wings caused some heavy damage over a long period of time.



WEED CONTROL - 1963

Biological control of Puncture Vine started in late summer of 1962 with the release of two small colonies of the weevil Microlarinus lareynii survived the winter in excellent condition and five more colonies were started this season.

With the regulations placed on Sodium Arsenite, the normal complaints from the use of Herbicides were eliminated this year.

In order to check local results with many of the new Herbicides coming on the market, twenty-three (23) test plots were established this year.

In cooperation with the U. S. Department of Agriculture, Agricultural Conservation Program, five properties consisting of 1 1/2 acres were treated to control Johnson Grass infestations in orchard land. This program was effective in giving good control and will be repeated next season also.

156 Injurious Herbicide permits were issued for weed control this year.

SUMMARY OF NOXIOUS WEED INFESTATIONS - 1963

| <u>Infested Area (Acres)</u> | <u>Crops & Roadsides</u> | | <u>TOTAL</u> | <u>Nc. Infestations</u> | | | <u>Type of Program</u> |
|------------------------------|------------------------------|------------------|--------------|-------------------------|------------|--------------|------------------------|
| | <u>Pasture</u> | <u>Wasteland</u> | | <u>Old</u> | <u>New</u> | <u>Total</u> | |
| Italian Thistle | 2,200.00 | 340.00 | 2,540.00 | 24 | 0 | 24 | Control |
| Purple Star Thistle | 351.00 | 0.25 | 351.25 | 4 | 0 | 4 | Eradicate |
| Klamath Weed | 0.10 | 11,218.00 | 11,218.10 | 3 | 0 | 3 | Eradicate |
| Johnson Grass | 45.55 | 6.65 | 52.20 | 85 | 5 | 90 | Control |
| Yellow Star Thistle | 39.00 | 62.30 | 101.30 | 19 | 1 | 20 | Eradicate |
| Hoary Cress | 750.25 | 5.25 | 755.50 | 73 | 1 | 74 | Control |
| Quack Grass | 0.50 | 3.70 | 4.20 | 15 | 0 | 15 | Eradicate |
| Russian Knapweed | 2.50 | 0.25 | 2.75 | 3 | 0 | 3 | Eradicate |
| Wavy Leaved Gaura | | 0.10 | 0.10 | 1 | 0 | 1 | Eradicate |
| Alkali Mallow | 117.00 | 13.00 | 130.00 | 12 | 0 | 12 | Control |
| Poverty Weed | | 1.00 | 1.00 | 1 | 0 | 1 | Eradicate |
| White Horsenettle | | 0.21 | 0.21 | 1 | 0 | 1 | Eradicate |
| Scented Gaura | 2.00 | | 2.00 | 1 | 0 | 1 | Eradicate |
| Puncture Vine | 10.56 | 16.01 | 26.57 | 29 | 2 | 31 | Eradicate |
| Gorse | 2.50 | | 2.50 | 2 | 0 | 2 | Eradicate |
| Russian Thistle | | 0.04 | 0.04 | 2 | 1 | 3 | Eradicate |
| | 3,520.96 | 11,666.76 | 15,187.72 | 275 | 10 | 283 | |



THE

END

1964

ACREAGE, PRODUCTION and VALUE of AGRICULTURAL PRODUCTS SANTA CRUZ COUNTY, CALIFORNIA

Compiled by MATT MELLO, Agricultural Commissioner

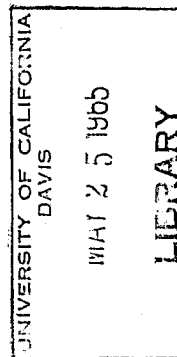
| | 1964 | | | | | | 1963 | | | | | |
|------------------------|---------------|----------|------------------|-----------|-----------------------|----------------|---------------|----------|------------------|-----------|-----------------------|---------------|
| | Bearing Acres | Per Acre | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit | Total | Bearing Acres | Per Acre | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit | Total |
| FRUIT CROPS | | | | | | | | | | | | |
| Apples | 7,800 | 17.4 | (135,750) | Tons | | (\$ 9,122,000) | 7,488 | 14.66 | (109,790) | Tons | (\$ 8,124,000) | |
| —Fresh | | | 58,310 | Tons | \$ 109.47 | 6,383,000 | | | 33,220 | Tons | \$ 112.72 | 3,745,000 |
| —Dryer | | | 8,900 | Tons | 39.40 | 351,000 | | | 12,115 | Tons | 59.50 | 721,000 |
| —Processing | | | 42,150 | Tons | 41.23 | 1,738,000 | | | 45,480 | Tons | 61.59 | 2,801,000 |
| —Juice | | | 26,390 | Tons | 24.62 | 650,000 | | | 18,975 | Tons | 45.17 | 857,000 |
| Apricots | | | | | | | | | | | | |
| —Fresh | 158 | 4.12 | 260 | Tons | 240.00 | 62,000 | 154 | 3.46 | 205 | Tons | 161.00 | 33,000 |
| —Dry* | | | 76 | Tons* | 800.00 | 61,000 | | | 57 | Tons* | 1,100.00 | 63,000 |
| —Processing | | | 11 | Tons | 90.00 | 1,000 | | | 45 | Tons | 77.00 | 3,000 |
| Cherries | 46 | .86 | 40 | Tons | 372.00 | 15,000 | 46 | .04 | 2 | Tons | 650.00 | 1,000 |
| Grapes | 109 | 1.01 | 110 | Tons | 145.00 | 16,000 | 107 | .71 | 75 | Tons | 109.00 | 8,000 |
| Pears | 520 | 3.47 | 1,805 | Tons | 93.00 | 168,000 | 514 | 2.26 | 1,160 | Tons | 110.00 | 128,000 |
| Persimmons | 21 | 4.4 | 92 | Tons | 200.00 | 18,000 | 21 | 3.37 | 70 | Tons | 111.00 | 8,000 |
| Plums | 510 | 3.11 | 1,585 | Tons | 192.00 | 304,000 | 440 | 1.24 | 545 | Tons | 124.00 | 68,000 |
| Prunes—Dry* | 346 | .81 | 140 | Tons* | 180.00 | 25,000 | 364 | .88 | 160 | Tons* | 230.00 | 37,000 |
| Walnuts | 68 | .18 | 12 | Tons | 606.00 | 7,000 | 48 | .03 | 1 | Tons | 624.00 | 1,000 |
| Miscellaneous | 77 | | | | | 5,000 | 66 | | | | | 5,000 |
| | 9,655 | | | | | \$ 9,804,000 | 9,248 | | | | | \$ 8,479,000 |
| BERRY CROPS | | | | | | | | | | | | |
| Blackberries | 350 | 5.2 | 1,820 | Tons | \$ 329.00 | \$ 599,000 | 265 | 5.8 | 1,540 | Tons | \$ 238.00 | \$ 366,000 |
| Boysenberries | 110 | 2.4 | 265 | Tons | 377.00 | 100,000 | 140 | 3.0 | 420 | Tons | 286.00 | 120,000 |
| Loganberries | 50 | 2.4 | 120 | Tons | 340.00 | 41,000 | 70 | 2.5 | 175 | Tons | 241.00 | 42,000 |
| Raspberries | 70 | 1,052. | 73,640 | Trays 9# | 3.70 | 272,000 | 1,154.0 | 69,200 | Trays 9# | 3.35 | 232,000 | |
| Blue and Misc. | 30 | 365. | 10,950 | Trays 10# | 3.80 | 42,000 | 30 | 305.0 | 9,150 | Trays 10# | 4.00 | 37,000 |
| Strawberries | | | | | | | | | | | | |
| —Fresh | 775 | | 1,800,000 | Trays 12# | 2.41 | 4,338,000 | 820 | | 1,685,000 | Trays 12# | 2.20 | 3,708,000 |
| —Processing | | 15.6 | 1,280 | Tons | 235.00 | 301,000 | | 14.6 | 1,810 | Tons | 240.00 | 434,000 |
| | 1,385 | | | | | \$ 5,693,000 | 1,385 | | | | | \$ 4,939,000 |
| FIELD CROPS | | | | | | | | | | | | |
| Beans, dry | 320 | 17. | 5,440 | Cwt. | \$ 11.00 | \$ 60,000 | | 17. | 6,545 | cwt. | \$ 9.40 | \$ 62,000 |
| Grain | 500 | 1.11 | 555 | Tons | 44.60 | 25,000 | 630 | 1.26 | 790 | Tons | 44.90 | 35,000 |
| Hay | 4,015 | 1.84 | 7,390 | Tons | 33.20 | 245,000 | 4,240 | 2.44 | 10,345 | Tons | 35.30 | 365,000 |
| Corn Silage | 145 | 21.75 | 3,155 | Tons | 15.00 | 47,000 | 205 | 14.25 | 2,920 | Tons | 15.00 | 44,000 |
| Pasture, Irrig. | 3,070 | | | Acres | 35.00 | 107,000 | 3,050 | | | Acres | 35.00 | 107,000 |
| Pasture, Other | 49,715 | | | Acres | 2.75 | 137,000 | 49,715 | | | Acres | 2.75 | 137,000 |
| Sugar Beets | 585 | 32. | 18,720 | Tons | 12.30 | 230,000 | 545 | 33. | 17,985 | Tons | 11.50 | 207,000 |
| Veg. & Flower Seed | 10 | | 915 | Lbs. | | 46,000 | 5 | | 210 | Lbs. | | 56,000 |
| Nursery Stock | 695 | | 5,455,000 | Plants | | 1,618,000 | 595 | | 4,704,000 | Plants | | 1,506,000 |
| —Bulbs | | | 3,528,000 | Bulbs | | 436,000 | | | 4,869,000 | Bulbs | | 461,000 |
| —Cut Flowers | | | 41,008,000 | Blooms | | 1,696,000 | | | 41,744,000 | Blooms | | 1,572,000 |
| | 59,055 | | | | | \$ 4,647,000 | 59,370 | | | | | \$ 4,552,000 |
| VEGETABLE CROPS | | | | | | | | | | | | |
| Artichokes | 430 | 229. | 98,470 | Bxs. 21# | \$ 1.70 | \$ 167,000 | 380 | 257.2 | 97,700 | bxs. 21# | \$ 2.00 | \$ 195,000 |
| Beans, Green | 1,365 | 9.23 | 12,600 | Tons | 145.70 | 1,836,000 | 1,380 | 8.4 | 11,590 | Tons | 144.75 | 1,678,000 |
| Broccoli | 205 | 2.29 | 470 | Tons | 153.45 | 72,000 | 375 | 2.02 | 755 | Tons | 184.40 | 139,000 |
| Brussels Sprouts | 3,015 | 7.00 | 21,105 | Tons | 192.40 | 4,061,000 | 2,930 | 7.34 | 21,505 | Tons | 215.00 | 4,624,000 |
| Cabbage | 80 | 231. | 18,480 | Cwt. | 3.15 | 58,000 | 140 | 128.9 | 18,045 | cwt. | 3.70 | 67,000 |
| Cauliflower | 780 | 71.4 | 55,690 | Cwt. | 6.95 | 387,000 | 870 | 73.1 | 63,590 | cwt. | 7.25 | 461,000 |
| Celery | 240 | 630. | 151,200 | Crts. | 2.38 | 360,000 | 220 | 541. | 119,000 | crts. | 2.15 | 256,000 |
| Corn, sweet | 30 | 815. | 24,500 | Doz. | .55 | 13,000 | 25 | 800. | 20,000 | doz. | .55 | 11,000 |
| Lettuce | 3,125 | 556. | 1,737,000 | Ctns. | 1.45 | 2,519,000 | 3,220 | 440.7 | 1,419,000 | ctns. | 1.74 | 2,469,000 |
| Mushrooms | | | 2,893,000 | Lbs. | .55 | 1,591,000 | | | 2,739,000 | Lbs. | .50 | 1,369,000 |
| Squash | 520 | 107. | 55,640 | Cwt. | 7.40 | 412,000 | 485 | 118. | 57,230 | cwt. | 5.28 | 302,000 |
| Tomatoes | 115 | 180. | 20,700 | Cwt. | 7.60 | 157,000 | 140 | 174. | 24,360 | cwt. | 4.07 | 99,000 |
| Misc. Veg. | 420 | | | | | 292,000 | 485 | | | | | 346,000 |
| | 10,325 | | | | | \$ 11,925,000 | 10,650 | | | | | \$ 12,016,000 |
| PLANT INDUSTRY | 80,420 | | | | | \$ 32,069,000 | 80,653 | | | | | \$ 29,986,000 |

| | 1964 | | | 1963 | | |
|-----------------------------------|---------------------|-----------------|--------------------------|---------------------|-----------------|--------------------------|
| | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit | PRODUCTION Total | Unit | F.O.B. VALUE Per Unit |
| APIARY | | | | | | |
| Honey | 3,660 colonies | 179,000 Lbs. | \$.145 | 2,500 colonies | 133,000 Lbs. | \$.4 |
| Wax | | 2,000 Lbs. | .42 | | 1,500 Lbs. | 0.44 |
| Pollination | 2,980 colonies | | | 2,450 colonies | | |
| MILK | | | | | | |
| Market | 119,000 | Cwt. | 4.55 | 119,000 | cwt. | 4.60 |
| Manufacturin' | 36,000 | Cwt. | 3.22 | 39,800 | cwt. | 2.96 |
| LIVESTOCK | | | | | | |
| Cattle & Calves | 8,830 head | 63,755 Cwt. | 18.40 | 8,690 head | 62,050 cwt. | 21.66 |
| Breeders | 290 head | | | 350 head | | |
| Swine | 735 head | 1,305 Cwt. | 17.66 | 815 head | 1,615 cwt. | 16.62 |
| Sheep & Lambs | 2,510 head | 2,600 Cwt. | 18.15 | 2,740 head | 2,835 cwt. | 18.08 |
| —Wool | 14,700 | Lbs. | .47 | 16,670 | Lbs. | 0.43 |
| EGGS | | | | | | |
| —Market | 3,130,000 | Doz. | .362 | 4,280,000 | doz. | 0.342 |
| —Hatching | 122,500 | Doz. | | 451,670 | doz. | |
| CHICKENS | 2,886,700 fryers | 11,546,800 Lbs. | .173 | 4,634,700 fryers | 18,631,500 Lbs. | 0.177 |
| POULTRY, Other | | | | | | |
| POULTRY, Other | 54,500 birds | 1,275,300 Lbs. | .221 | 101,210 birds | 2,132,300 Lbs. | 0.224 |
| TURKEYS | 34,350 head | 155,000 Lbs. | .268 | 35,320 head | 159,000 Lbs. | 0.291 |
| RABBITS | | | | | | |
| ANIMAL INDUSTRY | | | \$ 6,269,000 | | | \$ 8,389,000 |
| GRAND TOTAL—All Production | | | \$ 38,338,000 | | | \$38,375,000 |
| GOVERNMENT PAYMENTS | | | \$ 62,000 | | | \$ 58,000 |

County of Santa Cruz

1964

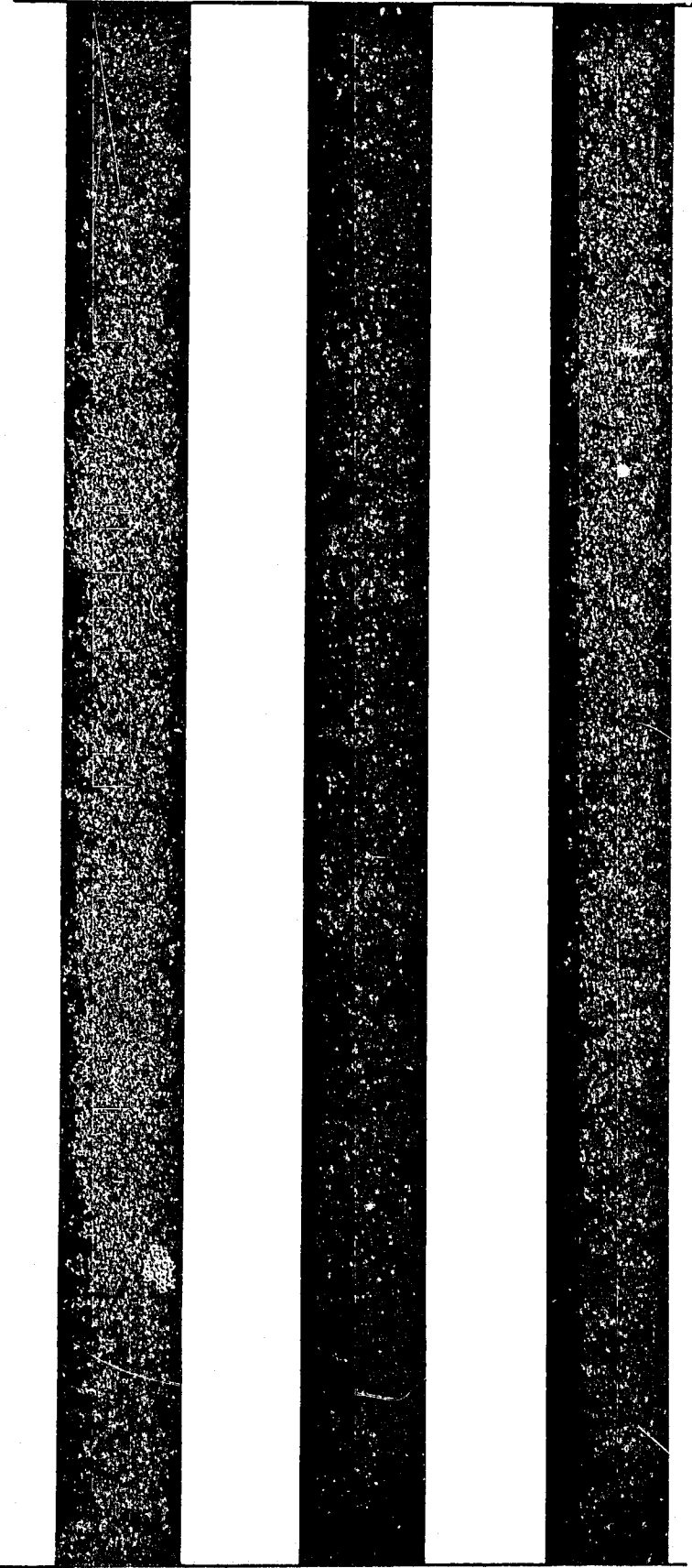
CROP REPORT



AGRICULTURAL COMMISSIONER

P. O. Box 590

WATSONVILLE, CALIFORNIA

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CROP REPORT

County of Santa Cruz

1965



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ACREAGE, PRODUCTION and VALUE of AGRICULTURAL PRODUCTS

SANTA CRUZ COUNTY, CALIFORNIA

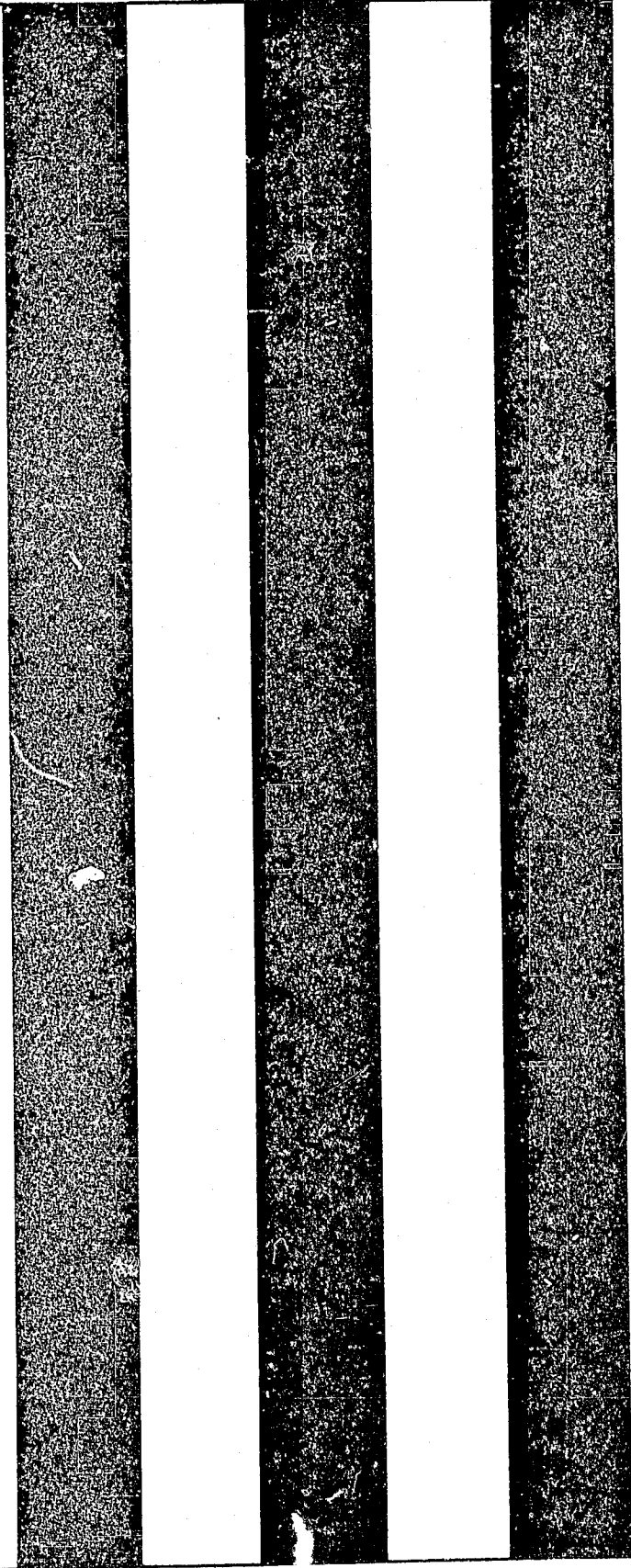
Compiled by MATT MELLO, Agricultural Commissioner

1965

1964

| FRUIT CROPS | PRODUCTION | | | | | F.O.B. VALUE | | PRODUCTION | | | | | F.O.B. VALUE | |
|-----------------------|---------------|----------|------------|-----------|----------|----------------|---------------|------------|------------|------------|----------|---------------|--------------|--|
| | Bearing Acres | Per Acre | Total | Unit | Per Unit | Total | Bearing Acres | Per Acre | Total | Unit | Per Unit | Total | | |
| Apples | 7,486 | 16.93 | (126,780) | Tons | | (\$12,773,000) | 7,800 | 17.4 | (135,750) | Tons | | (\$9,122,000) | | |
| -Fresh | | | 53,200 | Tons | \$150.22 | 7,992,000 | | | 58,310 | Tons | \$107.47 | 6,383,000 | | |
| -Dryer | | | 15,295 | Tons | 63.96 | 978,000 | | | 8,900 | Tons | 39.40 | 351,000 | | |
| -Processing | | | 40,735 | Tons | 71.76 | 2,923,000 | | | 42,150 | Tons | 41.23 | 1,738,000 | | |
| -Juice | | | 17,550 | Tons | 50.12 | 880,000 | | | 26,390 | Tons | 24.62 | 650,000 | | |
| Apricots | 165 | 4.55 | (750) | Tons | | (146,000) | 158 | 4.12 | (650) | Tons | | | | |
| -Fresh | | | 540 | Tons | 200.00 | 108,000 | | | 260 | Tons | 240.00 | 62,000 | | |
| -Dry* | | | 36 | Tons* | 1,000.00 | 36,000 | | | 76 | Tons* | 800.00 | 61,000 | | |
| -Processing | | | 30 | Tons | 60.00 | 2,000 | | | 11 | Tons | 90.00 | 1,000 | | |
| Cherries | 30 | .17 | 5 | Tons | 700.00 | 4,000 | 46 | .86 | 40 | Tons | 372.00 | 15,000 | | |
| Grapes | 102 | 1.47 | 150 | Tons | 168.00 | 25,000 | 109 | 1.01 | 110 | Tons | 145.00 | 16,000 | | |
| Pears | 444 | 3.33 | 1,480 | Tons | 138.00 | 204,000 | 520 | 3.47 | 1,805 | Tons | 93.00 | 168,000 | | |
| Persimmons | 21 | 2.86 | 60 | Tons | 240.00 | 14,000 | 21 | 4.4 | 92 | Tons | 200.00 | 18,000 | | |
| Plums | 439 | 1.77 | 775 | Tons | 97.00 | 75,000 | 510 | 3.11 | 1,585 | Tons | 192.00 | 304,000 | | |
| Prunes-Dry* | 293 | 1.37 | 200 | Tons* | 200.00 | 40,000 | 346 | .81 | 140 | Tons* | 180.00 | 25,000 | | |
| Walnuts | 44 | .18 | 8 | Tons | 505.00 | 4,000 | 68 | .18 | 12 | Tons | 606.00 | 7,000 | | |
| Miscellaneous | 25 | | | | | 14,000 | 77 | | | | | 5,000 | | |
| | 9,049 | | | | | \$13,299,000 | 9,655 | | | | | \$9,804,000 | | |
| BERRY CROPS | | | | | | | | | | | | | | |
| Blackberries | 375 | 5.01 | 1,880 | Tons | \$386.00 | \$ 726,000 | 350 | 5.2 | 1,820 | Tons | \$329.00 | \$ 599,000 | | |
| Boysenberries | 95 | 2.9 | 275 | Tons | 432.00 | 119,000 | 110 | 2.4 | 265 | Tons | 377.00 | 100,000 | | |
| Loganberries | 35 | 1.9 | 65 | Tons | 440.00 | 29,000 | 1 | 2.4 | 120 | Tons | 340.00 | 41,000 | | |
| Raspberries | 55 | 889.00 | 48,900 | Trays9 # | 3.80 | 186,000 | 70 | 1,052. | 73,640 | Trays 9 # | 3.70 | 272,000 | | |
| Blue & Misc. | 25 | 285.00 | 7,100 | Trays10 # | 3.40 | 24,000 | 30 | 365. | 10,950 | Trays 10 # | 3.80 | 42,000 | | |
| Strawberries | 810 | 14.75 | (11,944) | Tons | | (5,113,000) | 775 | 15.6 | (12,070) | Tons | | | | |
| -Fresh | | | 1,719,000 | Trays12 # | 2.64 | 4,538,000 | | | 1,800,000 | Trays 12 # | 2.41 | 4,338,000 | | |
| -Processing | | | 1,630 | Tons | 353.00 | 575,000 | | | 1,280 | Tons | 235.00 | 301,000 | | |
| | 1,395 | | | | | \$ 6,197,000 | 1,38 | | | | | \$5,693,000 | | |
| FIELD CROPS | | | | | | | | | | | | | | |
| Beans, Dry | 500 | 16.8 | 8,400 | Cwt. | \$ 12.50 | \$ 105,000 | 320 | 17. | 5,440 | Cwt. | \$ 11.00 | \$ 60,000 | | |
| Grain | 745 | 1.08 | 805 | Tons | 49.25 | 40,000 | 500 | 1.11 | 555 | Tons | 44.60 | 25,000 | | |
| Hay | 5,380 | 2.62 | 14,100 | Tons | 30.35 | 428,000 | 4,015 | 1.84 | 7,390 | Tons | 33.20 | 245,000 | | |
| Corn Silage | 155 | 19.82 | 3,070 | Tons | 15.00 | 46,000 | 145 | 21.75 | 3,155 | Tons | 15.00 | 47,000 | | |
| Pasture, Irrig. | 3,070 | | | Acres | 35.00 | 107,000 | 3,070 | | | Acres | 35.00 | 107,000 | | |
| Pasture, Other | 49,700 | | | Acres | 2.75 | 137,000 | 49,715 | | | Acres | 2.75 | 137,000 | | |
| Sugar Beets | 335 | 26.00 | 8,710 | Tons | 12.00 | 105,000 | 585 | 32. | 18,720 | Tons | 12.30 | 230,000 | | |
| Veg. & Flower Seed | 10 | | 1,830 | Lbs | | 63,000 | 10 | | 915 | Lbs. | | 46,000 | | |
| Nursery Stock | 745 | | 6,368,000 | Plants | | 1,747,000 | 695 | | 5,455,000 | Plants | | 1,618,000 | | |
| -Bulbs | | | 4,009,000 | Bulbs | | 591,000 | | | 3,528,000 | Bulbs | | 436,000 | | |
| -Cut Flowers | | | 36,525,000 | Blooms | | 2,056,000 | | | 41,008,000 | Blooms | | 1,696,000 | | |
| | 60,640 | | | | | \$ 5,425,000 | 59,055 | | | | | \$4,647,000 | | |
| VEGETABLE CROPS | | | | | | | | | | | | | | |
| Artichokes | 430 | 56.5 | 24,300 | Cwt. | \$ 8.15 | \$ 198,000 | 430 | 229. | 98,470 | Bxs.21 # | 1.70 | \$ 167,000 | | |
| Beans, Green | 815 | 4.48 | 3,650 | Tons | 136.85 | 500,000 | 1,365 | 9.23 | 12,600 | Tons | 145.70 | 1,836,000 | | |
| Broccoli (Misc. Veg.) | | | | | | | 205 | 2.29 | 470 | Tons | 153.45 | 72,000 | | |
| Brussels Sprouts | 2,930 | 6.09 | 17,845 | Tons | 240. | 4,283,000 | 3,015 | 7.00 | 21,105 | Tons | 192.40 | 4,061,000 | | |
| Cabbage | 270 | 200. | 54,000 | Cwt. | 3.17 | 171,000 | 80 | 231. | 18,480 | Cwt. | 3.15 | 58,000 | | |
| Cauliflower | 745 | 58.9 | 43,900 | Cwt. | 9.10 | 399,000 | 780 | 71.4 | 55,690 | Cwt. | 6.95 | 387,000 | | |
| Celery | 250 | 448. | 112,000 | Cwt. | 5.16 | 578,000 | 240 | 630. | 151,200 | Crts 60 # | 2.38 | 360,000 | | |
| Corn, Sweet | 40 | 540. | 21,600 | Doz. | .62 | 13,000 | 30 | 815. | 24,500 | Doz | .55 | 13,000 | | |
| Lettuce | 3,465 | 563. | 1,951,000 | Ctns. | 2.07 | 4,038,000 | 3,125 | 556. | 1,737,000 | Ctns. | 1.45 | 2,519,000 | | |
| Mushrooms | | | 2,905,000 | Lbs. | .543 | 1,577,000 | | | 2,893,000 | Lbs. | .55 | 1,591,000 | | |
| Squash | 445 | 111. | 49,400 | Cwt. | 5.75 | 284,000 | 520 | 107. | 55,640 | Cwt. | 7.40 | 412,000 | | |
| Tomatoes | 120 | 257.5 | 30,900 | Cwt. | 5.63 | 174,000 | 115 | 180. | 20,700 | Cwt. | 7.60 | 157,000 | | |
| Misc. Veg. | 420 | | | | | 282,000 | 420 | | | | | 292,000 | | |
| | 9,930 | | | | | \$12,497,000 | 10,325 | | | | | \$11,925,000 | | |
| PLANT INDUSTRY | 81,014 | | | | | \$37,418,000 | 80,420 | | | | | \$32,069,000 | | |

| 1965 | | | | | 1964 | | | | | |
|------------------------------|------------------|----------------|----------------|--------------|--------------|--|------------------|-----------------|--------------|--------------|
| | | PRODUCTION | | F.O.B. VALUE | | | PRODUCTION | | F.O.B. VALUE | |
| | | Total | Unit | Per Unit | Total | | Total | Unit | Per Unit | Total |
| APIARY | | | | | | | | | | |
| | Honey | 3,650 colonies | 155,000 Lbs. | \$.14 | \$ 22,000 | | 3,660 colonies | 179,000 Lbs. | \$.145 | \$ 26,000 |
| | Wax | | 1,700 Lbs. | .46 | 1,000 | | | 2,000 Lbs. | .42 | 1,000 |
| | Pollination | 2,990 colonies | | | 21,000 | | 2,980 colonies | | | 20,000 |
| MILK | | | | | | | | | | |
| | Market | | 129,000 Cwt. | 4.48 | 578,000 | | | 119,000 Cwt. | 4.55 | 541,000 |
| | Manufacturing | | 39,600 Cwt. | 3.26 | 129,000 | | | 36,000 Cwt. | 3.22 | 116,000 |
| LIVESTOCK | | | | | | | | | | |
| | Cattle & Calves | 8,350 head | 57,000 Cwt. | 21.00 | 1,197,000 | | 8,830 head | 63,755 Cwt. | 18.40 | 1,173,000 |
| | Breeders | 470 head | | | 139,000 | | 290 head | | | 114,000 |
| | Swine | 515 head | 1,210 Cwt. | 21.50 | 26,000 | | 735 head | 1,305 Cwt. | 17.66 | 23,000 |
| | Sheep & Lambs | 2,490 head | 2,600 Cwt. | 20.10 | 52,000 | | 2,510 head | 2,600 Cwt. | 18.15 | 47,000 |
| | -Wool | | 17,100 Lbs. | .49 | 8,000 | | | 14,700 Lbs. | .47 | 7,000 |
| EGGS | | | | | | | | | | |
| | -Market | | 3,096,000 Doz. | .358 | 1,108,000 | | | 3,130,000 Doz. | .362 | 1,133,000 |
| | -Hatching | | 87,700 Doz. | | 223,000 | | | 122,500 Doz. | | 247,000 |
| CHICKENS | 1,305,000 fryers | 5,222,000 Lbs. | | .172 | 898,000 | | 2,886,700 fryers | 11,546,800 Lbs. | .173 | 1,998,000 |
| POULTRY, Other | | | | | 710,000 | | | | | 499,000 |
| TURKEYS | 49,000 birds | 1,029,000 Lbs. | | .223 | 229,000 | | 54,500 birds | 1,275,300 Lbs. | .221 | 282,000 |
| RABBITS | 36,800 head | 166,000 Lbs. | | .294 | 49,000 | | 34,350 head | 155,000 Lbs. | .268 | 42,000 |
| ANIMAL INDUSTRY | | | | | \$5,390,000 | | | | | \$6,269,000 |
| GRAND TOTAL - All Production | | | | | \$42,808,000 | | | | | \$38,338,000 |
| GOVERNMENT PAYMENTS | | | | | \$ 35,000 | | | | | \$ 62,000 |

Three vertical black bars of varying widths are positioned on the left side of the page. The bars are solid black and run from near the top to near the bottom of the page. The middle bar is the widest, flanked by two narrower bars.

1966

Calif. Santa Cruz County. Agricultural
Commissioner.
≡ Report (annual). 1966.

County of Santa Cruz

1966

CROP REPORT



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AGRICULTURAL COMMISSIONER

P. O. Box 590

WATSONVILLE, CALIFORNIA

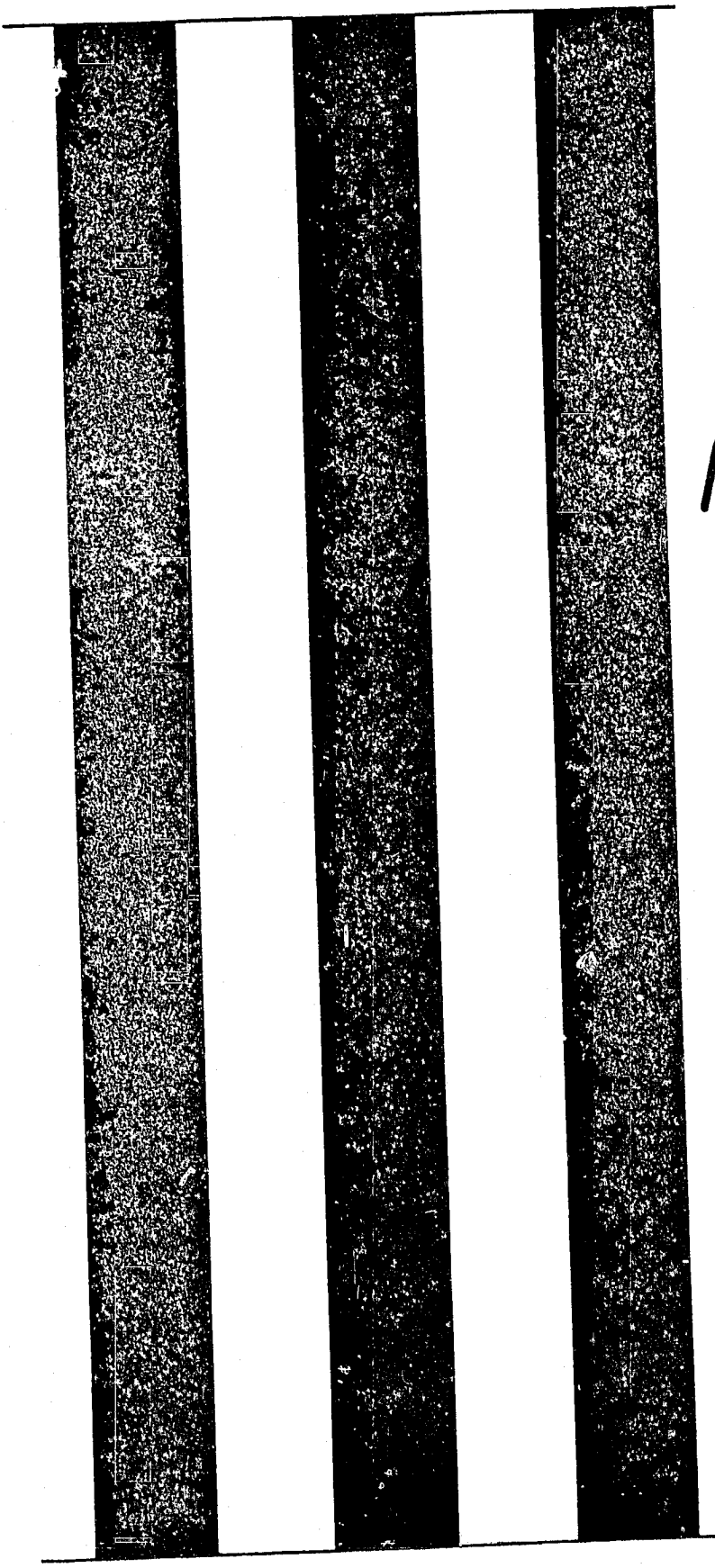
ACREAGE, PRODUCTION and VALUE of AGRICULTURAL PRODUCTS

SANTA CRUZ COUNTY - 1966

Compiled by MATT MELLO, Agricultural Commissioner

| | 1966 | | | | | | 1965 | | | | | |
|------------------------|---------------|----------|------------------|-----------|----------|---------------------|---------------|----------|------------------|-----------|----------|--------------------|
| | Bearing Acres | Per Acre | PRODUCTION Total | Unit | Per Unit | F.O.B. VALUE Total | Bearing Acres | Per Acre | PRODUCTION Total | Unit | Per Unit | F.O.B. VALUE Total |
| FRUIT CROPS | | | | | | | | | | | | |
| Apples | 7,575 | 16.45 | (124,635) | Tons | | (\$11,800,000) | 7,486 | 16.93 | (126,780) | Tons | | (\$12,773,000) |
| Fresh | | | 54,235 | Tons | \$140.50 | 7,620,000 | | | 53,200 | Tons | \$150.22 | 7,992,000 |
| Dryer | | | 16,040 | Tons | 62.50 | 1,002,000 | | | 15,295 | Tons | 63.96 | 978,000 |
| Processing | | | 36,520 | Tons | 67.00 | 2,447,000 | | | 40,735 | Tons | 71.76 | 2,923,000 |
| Juice | | | 17,840 | Tons | 41.00 | 731,000 | | | 17,550 | Tons | 50.12 | 880,000 |
| Apricots | 157 | 5.26 | (825) | Tons | | (163,000) | 165 | 4.55 | (750) | Tons | | (146,000) |
| Fresh | | | 400 | Tons | 195.00 | 78,000 | | | 540 | Tons | 200.00 | 108,000 |
| Dry* | | | 80 | Tons* | 1,040.00 | 83,000 | | | 36 | Tons* | 1,000.00 | 36,000 |
| Processing | | | 25 | Tons | 84.00 | 2,000 | | | 30 | Tons | 60.00 | 2,000 |
| Cherries | 29 | 1.21 | 35 | Tons | 600.00 | 21,000 | 30 | .17 | 5 | Tons | 700.00 | 4,000 |
| Grapes | 102 | 1.2 | 120 | Tons | 205.00 | 25,000 | 102 | 1.47 | 150 | Tons | 168.00 | 25,000 |
| Pears | 435 | 3.4 | 1,480 | Tons | 76.00 | 112,000 | 444 | 3.33 | 1,480 | Tons | 138.00 | 204,000 |
| Persimmons | 23 | 5.9 | 135 | Tons | 200.00 | 27,000 | 21 | 2.86 | 60 | Tons | 240.00 | 14,000 |
| Plums | 441 | 2.35 | 1,035 | Tons | 174.00 | 180,000 | 439 | 1.77 | 775 | Tons | 97.00 | 75,000 |
| Prunes-Dry* | 272 | .81 | 220 | Tons* | 280.00 | 62,000 | 293 | .682 | 200 | Tons* | 200.00 | 40,000 |
| Walnuts | 44 | .21 | 9 | Tons | 501.00 | 5,000 | 44 | .18 | 8 | Tons | 505.00 | 4,000 |
| Miscellaneous | 24 | | | | | 9,000 | 25 | | | | | 14,000 |
| | 9,102 | | | | | \$12,404,000 | 9,049 | | | | | \$13,299,000 |
| BERRY CROPS | | | | | | | | | | | | |
| Blackberries | 475 | 5.6 | 2,600 | Tons | \$280.00 | \$ 745,000 | 375 | 5.01 | 1,880 | Tons | \$386.00 | \$ 726,000 |
| Boysenberries | 70 | 2.4 | 168 | Tons | 360.00 | 60,000 | 95 | 19.9 | 275 | Tons | 432.00 | 119,000 |
| Loganberries | 25 | 1.8 | 45 | Tons | 380.00 | 17,000 | 35 | .9 | 65 | Tons | 440.00 | 29,000 |
| Raspberries | 45 | 918. | 41,300 | Trays 9# | 4.38 | 181,000 | 55 | 889.00 | 48,900 | Trays 9# | 3.80 | 186,000 |
| Blue & Misc. | 25 | 114. | 2,850 | Trays 10# | 3.50 | 10,000 | 25 | 285.00 | 7,100 | Trays 10# | 3.40 | 24,000 |
| Strawberries | 720 | 17.72 | (12,755) | Tons | | (5,529,000) | 810 | 14.75 | (11,944) | Tons | | (5,113,000) |
| Fresh | | | 1,679,400 | Trays 12# | 2.75 | 4,618,000 | | | 1,719,000 | Trays 12# | 2.64 | 4,538,000 |
| Processing | | | 2,680 | Tons | 340.00 | 911,000 | | | 1,630 | Tons | 353.00 | 575,000 |
| | 1,360 | | | | | \$ 6,542,000 | 1,395 | | | | | \$ 6,197,000 |
| FIELD CROPS | | | | | | | | | | | | |
| Beans, Dry | 635 | 22.33 | 14,180 | Cwt | \$ 11.30 | \$ 160,000 | 500 | 16.8 | 8,400 | Cwt. | \$ 12.50 | \$ 105,000 |
| Grain | 170 | .9 | 155 | Tons | 50.40 | 8,000 | 745 | 1.08 | 805 | Tons | 49.25 | 40,000 |
| Hay | 4,775 | 1.24 | 5,920 | Tons | 33.80 | 200,000 | 5,380 | 2.62 | 14,100 | Tons | 30.35 | 428,000 |
| Corn Silage | 135 | 13.8 | 1,860 | Tons | 18.40 | 34,000 | 155 | 19.82 | 3,070 | Tons | 15.00 | 46,000 |
| Pasture, Irrig. | 3,155 | | | Acres | 35.00 | 110,000 | 3,070 | | | Acres | 35.00 | 107,000 |
| Pasture, Other | 49,780 | | | Acres | 2.75 | 137,000 | 49,700 | | | Acres | 2.75 | 137,000 |
| Sugar Beets | 165 | 27.45 | 4,530 | Tons | 12.90 | 58,300 | 335 | 26.00 | 8,710 | Tons | 12.00 | 105,000 |
| Veg. & Flower Seed | 15 | | 10,580 | Lbs. | | 84,000 | 10 | | 1,830 | Lbs | | 63,000 |
| Nursery Stock | 640 | | 6,668,000 | Plants | | 1,831,000 | 745 | | 6,368,000 | Plants | | 1,747,000 |
| Bulbs | | | 3,375,000 | Bulbs | | 556,000 | | | 4,009,000 | Bulbs | | 591,000 |
| Cut Flowers | | | 37,849,000 | Blooms | | 1,664,000 | | | 36,525,000 | Blooms | | 2,056,000 |
| | 59,470 | | | | | \$ 4,842,000 | 60,640 | | | | | \$ 5,425,000 |
| VEGETABLE CROPS | | | | | | | | | | | | |
| Artichokes | 430 | 60. | 25,800 | Cwt | \$ 8.02 | \$ 207,000 | 430 | 56.5 | 24,300 | Cwt. | \$ 8.15 | \$ 198,000 |
| Beans, Green | 450 | 7.11 | 3,200 | Tons | 180.40 | 577,000 | 815 | 4.48 | 3,650 | Tons | 136.85 | 500,000 |
| Broccoli | 155 | 3.17 | 491 | Tons | 180.25 | 89,000 (Misc. Veg.) | | | | | | |
| Brussels Sprouts | 3,180 | 6.18 | 19,655 | Tons | 245.00 | 4,815,000 | 2,930 | 6.09 | 17,845 | Tons | 240. | 4,283,000 |
| Cabbage | 300 | 264. | 79,200 | Cwt | 4.48 | 355,000 | 270 | 200. | 54,000 | Cwt. | 3.17 | 171,000 |
| Cauliflower | 800 | 76.31 | 61,050 | Cwt | 7.39 | 451,000 | 745 | 58.9 | 43,900 | Cwt. | 9.10 | 399,000 |
| Celery | 255 | 488. | 124,500 | Cwt | 4.34 | 540,000 | 250 | 448. | 112,000 | Cwt. | 5.16 | 578,000 |
| Corn, Sweet | 55 | 484. | 26,600 | Doz. | .59 | 16,000 | 40 | 540. | 21,600 | Doz. | .62 | 13,000 |
| Lettuce | 4,390 | 600. | 2,634,000 | Ctns. | 2.20 | 5,795,000 | 3,465 | 563. | 1,951,000 | Ctns. | 2.07 | 4,038,000 |
| Mushrooms | | | 3,516,000 | Lbs. | .547 | 1,923,000 | | | 2,905,000 | Lbs. | .543 | 1,577,000 |
| Squash | 310 | 168. | 52,080 | Cwt | 8.62 | 449,000 | 445 | 111. | 49,400 | Cwt. | 5.75 | 284,000 |
| Tomatoes | 105 | 199. | 20,900 | Cwt | 8.14 | 170,000 | 120 | 257.5 | 30,900 | Cwt. | 5.63 | 174,000 |
| Misc. Veg. | 380 | | | | | 376,000 | 420 | | | | | 282,000 |
| | 10,810 | | | | | \$15,763,000 | 9,930 | | | | | \$12,497,000 |
| PLANT INDUSTRY | 80,742 | | | | | \$39,551,000 | 81,014 | | | | | \$37,418,000 |

| 1966 | | | | | 1965 | | | | |
|------------------------------|------------------|----------------|--------------|--------------|------------------|----------------|--------|--------------|-------|
| | PRODUCTION | | F.O.B. VALUE | | | PRODUCTION | | F.O.B. VALUE | |
| | Total | Unit | Per Unit | Total | | Total | Unit | Per Unit | Total |
| APIARY | | | | | | | | | |
| Honey | 4,830 Colonies | 106,000 Lbs. | \$.145 | \$ 15,000 | 3,650 colonies | 155,000 Lbs. | \$.14 | \$ 22,000 | |
| Wax | | 1,200 Lbs. | .47 | 1,000 | | 1,700 Lbs. | .46 | 1,000 | |
| Pollination | 2,140 Colonies | | | 11,000 | 2,990 colonies | | | 21,000 | |
| MILK | | | | | | | | | |
| Market | | 150,000 Cwt | 4.52 | 678,000 | | 129,000 Cwt. | 4.48 | 578,000 | |
| Manufacturing | | 27,900 Cwt | 3.73 | 104,000 | | 39,600 Cwt. | 3.26 | 129,000 | |
| LIVESTOCK | | | | | | | | | |
| Cattle & Calves | 8,245 Head | 55,160 Cwt | 20.63 | 1,138,000 | 8,350 head | 57,000 Cwt. | 21.00 | 1,197,000 | |
| Breeders | 150 Head | | | 58,000 | 470 head | | | 139,000 | |
| Swine | 610 Head | 1,240 Cwt | 25.85 | 32,000 | 515 head | 1,210 Cwt. | 21.50 | 26,000 | |
| Sheep & Lambs | 2,285 Head | 2,400 Cwt | 19.90 | 48,000 | 2,490 head | 2,600 Cwt. | 20.10 | 52,000 | |
| Goats | | 16,050 Lbs. | .49 | 8,000 | | 17,100 Lbs. | .49 | 8,000 | |
| EGGS | | | | | | | | | |
| Market | | 2,554,000 Doz. | .415 | 1,060,000 | | 3,096,000 Doz. | .358 | 1,108,000 | |
| Hatching | | 110,800 Doz. | | 285,000 | | 87,700 Doz. | | 223,000 | |
| CHICKENS | 1,139,200 Fryers | 4,557,000 Lbs. | .175 | 797,000 | 1,305,000 fryers | 5,222,000 Lbs. | .172 | 898,000 | |
| POULTRY, Other | | | | 833,000 | | | | 710,000 | |
| TURKEYS | 69,100 Birds | 1,431,600 Lbs. | .246 | 352,000 | 49,000 birds | 1,029,000 Lbs. | .223 | 229,000 | |
| RABBITS | 44,100 Head | 198,500 Lbs. | .292 | 58,000 | 36,800 head | 166,000 Lbs. | .294 | 49,000 | |
| ANIMAL INDUSTRY | | | | \$ 5,478,000 | | | | \$5,390,000 | |
| GRAND TOTAL - All Production | | | | \$45,029,000 | | | | \$42,808,000 | |
| GOVERNMENT PAYMENTS | | | | \$ 31,000 | | | | \$ 35,000 | |



1967

Calif. Santa Cruz Co. Agr. Commissioner.

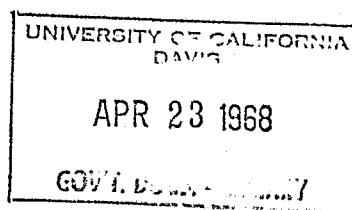
1967

ANNUAL REPORT



1967

**County of
SANTA CRUZ**



AGRICULTURAL COMMISSIONER



REPORT OF SANTA CRUZ COUNTY
DEPARTMENT OF AGRICULTURE

TO

EARL COKE, DIRECTOR

CALIFORNIA DEPARTMENT OF AGRICULTURE

AND

THE SANTA CRUZ COUNTY BOARD OF SUPERVISORS

| | | |
|-------------------|---|-----------------|
| THOMAS A. BLACK | - | Soquel District |
| RUSS McCALLIE | - | Seaside " |
| VINCENT LOCATELLI | - | San Lorenzo " |
| ROBERT E. BURTON | - | Branciforte " |
| HENRY MELLO | - | Pajaro " |

COUNTY ADMINISTRATIVE OFFICER
CARLYLE MILLAR

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S A N T A C R U Z C O U N T Y
DEPARTMENT OF AGRICULTURE PERSONNEL

AGRICULTURAL COMMISSIONER

M A T T M E L L O

ASSISTANT COMMISSIONER

ROBERT J. HOFF

DEPUTY AGRICULTURAL COMMISSIONER

RICHARD NUTTER

C L E R K S

Sarah R. Odom
Aleene L. Howe

AGRICULTURAL INSPECTORS

Kenneth Tweedy
Donald H. Shaw
Fred Hamisch
W. S. Jamison
Jay Bauer

SEASONAL INSPECTOR

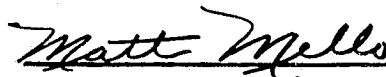
Joseph T. Brazil

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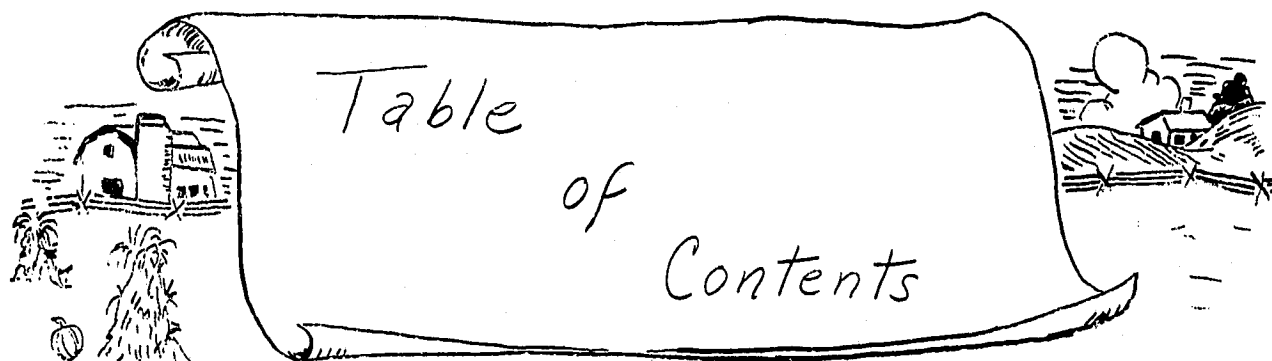
Our sincere appreciation is extended to all the individuals and organizations who provided us with information which helped make this report possible.



MATT MELLO
Agricultural Commissioner

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Elevation Range - 0 to 3,214

1967 Temperature Range

Watsonville

| | | | |
|----------|-----------|-----------------|-----------|
| 74.71° F | | Average Maximum | |
| 101° F | Oct. 16th | High | Oct. 16th |
| 38.83° F | | Average Minimum | |
| 27° F | Dec. 15th | Low | Dec. 16th |

Santa Cruz

| |
|----------|
| 76.10° F |
| 96° F |
| 45.00° F |
| 28° F |

RAINFALL

Watsonville

| | |
|--------------|---------------------------------|
| 33.81 inches | 1967 Season (7-1-66 to 6-30-67) |
| 16.57 inches | 1966 Season |
| 19.84 inches | Normal Average (Last 20 years) |

Santa Cruz

| |
|--------------|
| 40.57 inches |
| 20.15 inches |
| 31.72 inches |

POPULATION & APPRAISAL

| | |
|---|-----------------|
| Santa Cruz County Population (State Dept of Finance est.) | 112,700 |
| Total assessed valuation of property (1967-68) | \$ 289,154,500. |
| Total area of County (439 sq. miles) | 280,960 acres |

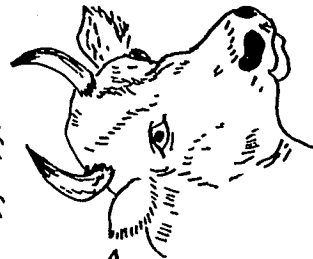
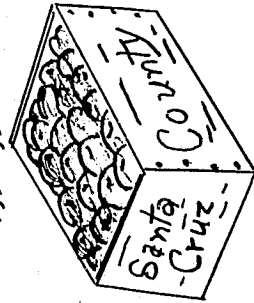
STATE PARKS AREA - 21,195 acres

| | | | |
|----------------|--------------|--------------------|-----------|
| Big Basin Park | 11,553 acres | Natural Bridges | 47 acres |
| Capitola Beach | 6 acres | New Brighton | 63 acres |
| Henry Cowell | 1,737 acres | Seacliff | 84 acres |
| Manresa Beach | 21 acres | Sunset | 292 acres |
| Twin Lakes | 112 acres | Santa Cruz Mission | 1 acre |

Nesine Marks Forest - 7,279 acres

SANTA CRUZ COUNTY TREND OF VALUE IN PRODUCTION

| <u>Year</u> | <u>Fruit & Nut Crops</u> | <u>Berry Crops</u> | <u>Vegetable Crops</u> | <u>Field Crops</u> | <u>Animal Industry</u> | <u>GRAND TOTAL *</u> |
|-------------|------------------------------|--------------------|------------------------|--------------------|------------------------|----------------------|
| 1958 | \$ 7,195,000 | \$ 7,854,000 | \$ 8,105,000 | \$ 2,408,000 | \$ 7,548,000 | \$ 33,164,000 |
| 1959 | 8,858,400 | 7,364,000 | 10,213,800 | 2,951,600 | 6,183,500 | 35,637,500 |
| 1960 | 12,389,000 | 5,350,000 | 12,094,000 | 3,782,000 | 8,178,000 | 41,851,000 |
| 1961 | 13,888,000 | 4,586,000 | 13,273,000 | 3,802,000 | 7,498,000 | 43,100,000 |
| 1962 | 13,174,000 | 5,081,000 | 12,450,000 | 4,232,000 | 7,268,000 | 42,246,000 |
| 1963 | 8,479,000 | 4,939,000 | 12,016,000 | 4,552,000 | 8,389,000 | 38,433,000 |
| 1964 | 9,804,000 | 5,693,000 | 11,925,000 | 4,647,000 | 6,269,000 | 38,400,000 |
| 1965 | 13,299,000 | 6,197,000 | 12,497,000 | 5,425,000 | 5,390,000 | 42,843,000 |
| 1966 | 12,404,000 | 6,542,000 | 15,763,000 | 4,842,000 | 5,478,000 | 45,060,000 |
| 1967 | 9,516,500 | 4,930,700 | 13,513,200 | 5,104,700 | 5,205,900 | 38,311,000 |



* Includes Government Payments

ACREAGE, PRODUCTION and VALUE of AGRICULTURAL PRODUCTS

SANTA CRUZ COUNTY - 1967

Compiled by MATT MELLO, Agricultural Commissioner

| 1967 | | | | | | | 1966 | | | | | | |
|----------------------|---------------|------------|------------|-----------|--------------|----------------|---------------|------------|------------|-----------|--------------|----------------|--|
| FRUIT CROPS | Bearing Acres | PRODUCTION | | Unit | F.O.B. VALUE | | Bearing Acres | PRODUCTION | | Unit | F.O.B. VALUE | | |
| | Per Acre | Total | Per Unit | | Total | Per Acre | | Total | Per Unit | | Total | | |
| Apples | 7,586 | 12.97 | (98,400) | Tons | | (\$ 9,086,000) | 7,575 | 16.45 | (124,635) | Tons | | (\$11,800,000) | |
| -Fresh | | | 25,700 | Tons | \$175.00 | 4,498,000 | | | 54,235 | Tons | \$140.50 | 7,620,000 | |
| -Dryer | | | 10,900 | Tons | 65.00 | 708,000 | | | 16,040 | Tons | 62.50 | 1,002,000 | |
| -Processing | | | 40,800 | Tons | 74.10 | 3,023,000 | | | 36,529 | Tons | 67.00 | 2,447,000 | |
| -Juice | | | 21,000 | Tons | 40.80 | 857,000 | | | 17,840 | Tons | 41.00 | 731,000 | |
| Apricots | 129 | 5.08 | (655) | Tons | | (150,000) | 157 | 5.26 | (825) | Tons | | (163,000) | |
| -Fresh | | | 300 | Tons | 270.00 | 81,000 | | | 400 | Tons | 195.00 | 78,000 | |
| -Dry* | | | 60 | Tons* | 1,100.00 | 66,000 | | | 80 | Tons* | 1,040.00 | 83,000 | |
| -Processing | | | 25 | Tons | 120.00 | 3,000 | | | 25 | Tons | 84.00 | 2,000 | |
| Cherries | (Misc. Fruit) | | | | | | 29 | 1.21 | 35 | Tons | 600.00 | 21,000 | |
| Grapes | 102 | 1.08 | 110 | Tons | 230.00 | 25,300 | 102 | 1.2 | 120 | Tons | 205.00 | 25,000 | |
| Pears | 395 | 2.34 | 925 | Tons | 173.00 | 160,000 | 435 | 3.4 | 1,480 | Tons | 76.00 | 112,000 | |
| Persimmons | 26 | 2.32 | 60 | Tons | 240.00 | 14,400 | 23 | 5.9 | 135 | Tons | 200.00 | 27,000 | |
| Plums | 389 | 2.98 | 1,160 | Tons | 59.00 | 68,400 | 441 | 2.35 | 1,035 | Tons | 174.00 | 180,000 | |
| Prunes-Dry* | 254 | .04 | 10 | Tons* | 240.00 | 2,400 | 272 | .81 | 220 | Tons* | 280.00 | 62,000 | |
| Walnuts | 21 | .14 | 3 | Tons | 570.00 | 1,700 | 44 | .21 | 9 | Tons | 501.00 | 5,000 | |
| Miscellaneous | 45 | | | | | 8,300 | 24 | | | | | 9,000 | |
| | 8,947 | | | | | \$ 9,516,500 | 9,102 | | | | | \$12,404,000 | |
| BERRY CROPS | | | | | | | | | | | | | |
| Blackberries | 440 | 4.89 | 2,150 | Tons | \$137.00 | \$ 295,000 | 475 | 5.6 | 2,600 | Tons | \$280.00 | \$ 745,000 | |
| Boysenberries | 55 | 2.64 | 145 | Tons | 184.00 | 26,700 | 70 | 2.4 | 168 | Tons | 360.00 | 60,000 | |
| Loganberries & Misc. | 15 | 1.67 | 25 | Tons | 480.00 | 12,000 | 50 | 1.2 | 60 | Tons | 450.00 | 27,000 | |
| Raspberries | 55 | 618. | 34,000 | Trays 9# | 3.85 | 131,000 | 45 | 918. | 41,300 | Trays 9# | 4.38 | 181,000 | |
| Strawberries | 750 | 16.80 | (12,600) | Tons | | (4,466,000) | 720 | 17.72 | (12,755) | Tons | | (5,529,000) | |
| -Fresh | | | 1,712,000 | Trays 12# | 2.25 | 3,852,000 | | | 1,679,400 | Trays 12# | 2.75 | 4,618,000 | |
| -Processing | | | 2,360 | Tons | 260.00 | 614,000 | | | 2,680 | Tons | 340.00 | 911,000 | |
| | 1,315 | | | | | \$ 4,930,700 | 1,360 | | | | | \$ 6,542,000 | |
| FIELD CROPS | | | | | | | | | | | | | |
| Beans, Dry | 215 | 19.8 | 4,260 | Cwt | \$ 14.70 | \$ 62,600 | 635 | 22.33 | 14,180 | Cwt | \$ 11.30 | \$ 160,000 | |
| Grain | 165 | 1.06 | 175 | Tons | 57.30 | 10,000 | 170 | .9 | 155 | Tons | 50.40 | 8,000 | |
| Hay | 5,150 | 1.6 | 8,250 | Tons | 33.20 | 274,000 | 4,775 | 1.24 | 5,920 | Tons | 33.80 | 200,000 | |
| Corn Silage | 90 | 12. | 1,080 | Tons | 19.90 | 21,500 | 135 | 13.8 | 1,860 | Tons | 18.40 | 34,000 | |
| Pasture, Irrig. | 3,290 | | | Acres | 35.00 | 115,000 | 3,155 | | | Acres | 35.00 | 110,000 | |
| Pasture, Other | 49,700 | | | Acres | 2.77 | 138,000 | 49,780 | | | Acres | 2.75 | 137,000 | |
| Sugar Beets | 215 | 23. | 4,940 | Tons | 14.00 | 69,200 | 165 | 27.45 | 4,530 | Tons | 12.90 | 58,000 | |
| & Flower Seed | 35 | | 32,000 | Lbs. | | 99,400 | 15 | | 10,580 | Lbs. | | 84,000 | |
| Nursery Stock | 640 | | 5,981,000 | Plants | | 1,683,000 | 640 | | 6,668,000 | Plants | | 1,831,000 | |
| -Bulbs | | | 3,292,000 | Bulbs | | 538,000 | | | 3,375,000 | Bulbs | | 556,000 | |
| -Cut Flowers | | | 43,597,000 | Blooms | | 2,094,000 | | | 37,849,000 | Blooms | | 1,664,000 | |
| | 59,500 | | | | | \$ 5,104,700 | 59,470 | | | | | \$ 4,842,000 | |
| VEGETABLE CROPS | | | | | | | | | | | | | |
| Artichokes | 430 | 53.5 | 23,000 | Cwt | \$ 8.00 | \$ 184,000 | 430 | 60. | 25,800 | Cwt | \$ 8.02 | \$ 207,000 | |
| Beans, Green | 480 | 6.4 | 3,070 | Tons | 170.00 | 522,000 | 450 | 7.11 | 3,200 | Tons | 180.40 | 577,000 | |
| Broccoli | 165 | 2.61 | 430 | Tons | 128.00 | 55,000 | 155 | 3.17 | 491 | Tons | 180.25 | 89,000 | |
| Brussels Sprouts | 3,460 | 6.16 | 21,300 | Tons | 198.00 | 4,217,000 | 3,180 | 6.18 | 19,655 | Tons | 245.00 | 4,815,000 | |
| Cabbage | 310 | 241. | 74,700 | Cwt | 3.24 | 242,000 | 300 | 264. | 79,200 | Cwt | 4.48 | 355,000 | |
| Cauliflower | 515 | 68.2 | 35,100 | Cwt | 8.20 | 288,000 | 800 | 76.31 | 61,050 | Cwt | 7.39 | 451,000 | |
| Celery | 245 | 498. | 122,000 | Cwt | 5.35 | 653,000 | 255 | 488. | 124,500 | Cwt | 4.34 | 540,000 | |
| Corn, Sweet | 25 | 904. | 22,600 | Doz. | .68 | 15,400 | 55 | 484. | 26,600 | Doz. | .59 | 16,000 | |
| Cucumbers | 105 | 145. | 15,200 | Cwt | 4.33 | 65,800 | (Misc. Veg.) | | | | | | |
| Lettuce | 4,060 | 484. | 1,965,000 | Ctns | 2.40 | 4,716,000 | 4,390 | 600. | 2,634,000 | Ctns. | 2.20 | 5,795,000 | |
| Mushrooms | | | 3,668,000 | Lbs. | .516 | 1,893,000 | | | 3,516,000 | Lbs. | .547 | 1,923,000 | |
| Squash | 270 | 142. | 38,300 | Cwt | 7.47 | 286,000 | 310 | 168. | 52,080 | Cwt | 8.62 | 449,000 | |
| Tomatoes | 85 | 117. | 9,940 | Cwt | 10.20 | 101,000 | 105 | 199. | 20,900 | Cwt | 8.14 | 170,000 | |
| Misc. Veg. | 230 | | | | | 275,000 | 380 | | | | | 376,000 | |
| | 10,380 | | | | | \$13,513,200 | 10,810 | | | | | \$15,763,000 | |
| PLANT INDUSTRY | | | | | | | | | | | | | |
| | 80,142 | | | | | \$33,065,100 | 80,742 | | | | | \$39,551,000 | |

OVER

| 1967 | | | | | | 1966 | | | | | |
|------------------------------|------------------|-----------|------|--------------|--------------|------------------|------------|------|---------|--------------|-------|
| | PRODUCTION | | Unit | F.O.B. VALUE | | | PRODUCTION | | Unit | F.O.B. VALUE | |
| | Total | | | Per Unit | Total | | Total | | | Per Unit | Total |
| APIARY | | | | | | | | | | | |
| Honey | 4,850 Colonies | 112,000 | Lbs. | \$.13 | \$ 14,600 | 4,830 Colonies | 106,000 | Lbs. | \$.145 | \$ 15,000 | |
| Wax | | 1,300 | Lbs. | .63 | 800 | | 1,200 | Lbs. | .47 | 1,000 | |
| Pollination | | | | | 14,800 | 2,140 Colonies | | | | 11,000 | |
| MILK | | | | | | | | | | | |
| Market | | 138,000 | Cwt | 4.61 | 636,000 | | 150,000 | Cwt | 4.52 | 678,000 | |
| Manufacturing | | 34,400 | Cwt | 3.83 | 132,000 | | 27,900 | Cwt | 3.73 | 104,000 | |
| LIVESTOCK | | | | | | | | | | | |
| Cattle & Calves | 8,380 Head | 55,200 | Cwt | 20.80 | 1,148,000 | 8,245 Head | 55,160 | Cwt | 20.63 | 1,138,000 | |
| Breeders | 360 Head | | | | 119,000 | 150 Head | | | | 58,000 | |
| Swine | 460 Head | 930 | Cwt | 18.80 | 17,500 | 610 Head | 1,240 | Cwt | 25.85 | 32,000 | |
| Sheep & Lambs | 2,340 Head | 2,470 | Cwt | 19.00 | 46,900 | 2,285 Head | 2,400 | Cwt | 19.90 | 48,000 | |
| Wool | | 17,000 | Lbs. | .43 | 7,300 | | 16,050 | Lbs. | .49 | 8,000 | |
| EGGS | | | | | | | | | | | |
| Market | | 2,598,000 | Doz. | .35 | 909,000 | | 2,554,000 | Doz. | .415 | 1,060,000 | |
| Hatching | | 161,000 | Doz. | | 384,000 | | 110,800 | Doz. | | 285,000 | |
| CHICKENS | 1,000,000 Fryers | 3,998,000 | Lbs. | .169 | 676,000 | 1,139,200 Fryers | 4,557,000 | Lbs. | .175 | 797,000 | |
| POULTRY, Other | | | | | 768,000 | | | | | 833,000 | |
| TURKEYS | 74,700 | 1,500,000 | Lbs. | .18 | 270,000 | 69,100 Birds | 1,431,000 | Lbs. | .246 | 352,000 | |
| RABBITS | 46,700 | 210,000 | Lbs. | .295 | 62,000 | 44,100 Head | 198,500 | Lbs. | .292 | 58,000 | |
| ANIMAL INDUSTRY | | | | | \$ 5,205,900 | | | | | \$ 5,470,000 | |
| GRAND TOTAL - All Production | | | | | \$38,271,000 | | | | | \$45,029,000 | |
| GOVERNMENT PAYMENTS | | | | | \$ 40,000 | | | | | \$ 31,000 | |

SANTA CRUZ COUNTY CROP SUMMARY - 1967

Adverse weather during this year was a major factor affecting acreage, production and value of principal crops produced in this County. Economic conditions in marketing contributed to the decline in gross value of many important agricultural products.

In combination this resulted in a total gross value of \$ 38,271,000. a decrease of \$ 6,758,000. from the year 1966. The F. O. B. value represents the gross value of the product when sold and is not net income to the producer.

APPLES - Growers experienced an extremely difficult season. Disease was rampant in the trees during the early growing season from rains and with poor pollination, both affected crop set. Delicious variety was most seriously affected and heavy russetting on Newtowns eliminated a high percentage of the fruit from fresh market shipments.

Fresh market prices were good most of the season due to light supplies. Early price offering by processors was low, but as the season progressed, prices advanced when short supply became evident and processor needs were not being filled. Reduced tonnage resulted in a decline exceeding 2.7 million dollars in total gross returns for this crop.

APRICOTS - Rain and hail in bloom and jacket stages affected crop and reduced yield. The market price received on fresh shipments was considered very good but growers were dissatisfied with returns on dried apricots.

PEARS - Bloom and fruit set severely affected by rain and hail caused substantial crop reduction. Canning price abnormally high since crop condition was short state wide and demand was strong. All sold for processing.

PLUMS - Bulk of production severely hail damaged, utilized by processing in larger quantity than any previous year and growers salvaged this crop at low value level.

BUSHBERRIES - Low market prices and fruit spoilage from rain contributed to a very poor season with much fruit left unharvested.

STRAWBERRIES - Production reduced by weather and with lower market returns, a substantial decline in gross value of this crop occurred.

LETTUCE - Heavy rains prevented normal spring plantings reducing total acreage planted and lower overall production. During a period when market supplies nationally were light, prices reached an unprecedented \$8.00 per carton for a brief period, then returned to normal levels.

CUT FLOWERS - A sizeable increase is noted in area, production and gross returns which is largely from hot house grown carnations and mums. New ranges currently under construction indicates the flower industry will continue to expand and become increasingly important in the local economy.

A total of 1,886,245 sq. ft. of production area reflects an increase of 1/3 more square footage than last year.

ANIMAL INDUSTRY - Slight increase in number and value of cattle marketed but other livestock in downward trend. Hog prices dropped sharply and sheep and wool slightly down. Egg, poultry and turkey producers received much lower returns with several going out of production.

TREND OF PERMANENT CROPS IN SANTA CRUZ COUNTY - 10 years

MAJOR VARIETIES

| <u>APPLES</u> | Total | Non-bearing Acreage | <u>Bearing Acres</u> | | |
|----------------------------|--------------------|------------------------|----------------------|---------------|---------------|
| | Acreage 1 9 6 7 | | 1967 | 1962 | 1958 |
| Newtown Pippin | 4,110 | 585 | 3,525 | 4,577 | 4,573 |
| Delicious - Red | 3,798 | 1,008 | 2,790 | 2,710 | 1,979 |
| Delicious - Std | 345 | 2 | 343 | 488 | 536 |
| Bellefleur | 201 | 0 | 201 | 421 | 480 |
| Winter Banana | 138 | 13 | 125 | 208 | 202 |
| W. W. Pearmain | 87 | 1 | 86 | 124 | 160 |
| Gravenstein | 65 | 3 | 62 | 101 | 103 |
| Golden Delicious | 103 | 17 | 86 | 65 | 43 |
| McIntosh | 356 | 284 | 72 | 10 | 6 |
| Other Varieties | 391 | 95 | 296 | 282 | 292 |
| TOTAL | 9,594 | 2,008 | 7,586 | 8,986 | 8,374 |
| <u>APRICOTS</u> | | | | | |
| All Varieties | 135 | 6 | 129 | 235 | 257 |
| <u>CHERRIES</u> | | | | | |
| Bing | 12 | 0 | 12 | 34 | 43 |
| Other Varieties | 14 | 0 | 14 | 55 | 72 |
| TOTAL | 26 | 0 | 26 | 89 | 115 |
| <u>GRAPES</u> | | | | | |
| Wine Varieties | 97 | 8 | 89 | 86 | 154 |
| Table Varieties | 13 | 0 | 13 | 18 | 31 |
| TOTAL | 110 | 8 | 102 | 104 | 185 |
| <u>PEARS</u> | | | | | |
| Bartlett | 330 | 5 | 325 | 565 | 575 |
| Hardy | 72 | 6 | 66 | 139 | 172 |
| Other Varieties | 4 | 0 | 4 | 37 | 64 |
| TOTAL | 406 | 11 | 395 | 741 | 811 |
| <u>PLUMS</u> | | | | | |
| Santa Rosa | 319 | 1 | 318 | 490 | 368 |
| Other Varieties | 71 | 0 | 71 | 51 | 32 |
| TOTAL | 390 | 1 | 389 | 541 | 400 |
| <u>PRUNES</u> | | | | | |
| French | 214 | 0 | 214 | 398 | 416 |
| Other Varieties | 42 | 2 | 40 | 104 | 98 |
| TOTAL | 256 | 2 | 254 | 502 | 514 |
| OTHER FRUITS-NUTS | 87 | 21 | 60 | 143 | 137 |
| GRAND TOTAL (Acres) | 11,004 | 2,057 | 8,947 | 11,341 | 10,793 |

T R E N D O F O T H E R C R O P S
I N S A N T A C R U Z C O U N T Y
Total Acres Grown (Includes New Plantings)

| | <u>1967</u> | <u>1966</u> | <u>1965</u> | <u>1964</u> | <u>1963</u> |
|------------------|-------------|-------------|-------------|-------------|-------------|
| Bushberries | 580 | 735 | 745 | 695 | 655 |
| Blackberry | 440 | 540 | 520 | 425 | 340 |
| Boysenberry | 60 | 90 | 100 | 120 | 155 |
| Logan & Misc. | 15 | 55 | 60 | 80 | 100 |
| Raspberry | 65 | 50 | 65 | 70 | 60 |
| Strawberries | 750 | 720 | 810 | 775 | 820 |
| Asparagus | 65 | 120 | 175 | 175 | 165 |
| Artichokes | 430 | 430 | 430 | 430 | 380 |
| Beans, green | 480 | 450 | 815 | 1,365 | 1,380 |
| Broccoli | 165 | 155 | 15 | 205 | 375 |
| Brussels Sprouts | 3,460 | 3,180 | 2,930 | 3,015 | 2,930 |
| Cabbage | 310 | 300 | 270 | 80 | 140 |
| Cauliflower | 515 | 800 | 745 | 780 | 870 |
| Celery | 245 | 255 | 250 | 240 | 220 |
| Corn, sweet | 25 | 55 | 40 | 30 | 25 |
| Lettuce, spring | 340 | 695 | 480 | 215 | 250 |
| Lettuce, summer | 2,390 | 2,345 | 2,170 | 2,035 | 2,105 |
| Lettuce, fall | 1,330 | 1,350 | 815 | 875 | 865 |
| Potatoes | 80 | 60 | 85 | 85 | 65 |
| Squash | 270 | 310 | 445 | 520 | 485 |
| Tomatoes | 85 | 105 | 120 | 115 | 140 |
| Beans, dry | 215 | 635 | 500 | 320 | 385 |
| Grain | 165 | 170 | 745 | 500 | 630 |
| Hay | 5,150 | 4,775 | 5,380 | 4,015 | 4,240 |
| Sugar beets | 215 | 165 | 335 | 585 | 545 |
| Nursery | 640 | 640 | 745 | 695 | 595 |

STANDARDIZATION

Standardization refers to State laws initiated by the agricultural industry to provide for enforcement of quality, packing, standard containers and markings on fruits, nuts, vegetables, eggs, honey and poultry meat marketed or shipped.

The purpose is to provide protection to the public and the industry from fraud and deception in the marketing process and to maintain the outstanding level of California products in the competitive markets.

This concept is believed to have its origin with the apple act of 1915 which was initiated through efforts of farsighted leaders of the industry from this area.

This year the apple grades and standards were legislatively revised and streamlined with progressive changes to improve the marketability of California apples.

Adverse weather conditions through the growing season delayed maturity of fruit and vegetable crops generally. Quality level was also affected but did not result in an unusual amount of substandard interceptions.

Inspection service programs continued on Early Apples, Fresh Peach and Bartlett Pear marketing orders in addition to the lettuce certification ordinance and produce clearances.

SUMMARY - 1967

LETTUCE INSPECTION & CERTIFICATION

No. Certificates Issued 1,804

No. Packages Certified 1,938,562

No. Man Hours 1,901

No. Inspections 3,551

OTHER PRODUCE CERTIFICATION

No. Certificates Issued 364

No. Packages Certified 60,330

No. Man Hours 224

No. Inspections 231

MARKET INSPECTION

No. Produce Inspections 3,560

Honey Inspected (Pkgs) 39,771

No. Egg Inspections 681

Eggs Inspected (Dozs) 187,216

No. Egg Lots in Violation 136

Eggs Rejected (Dozs) 8,923

Poultry Meat Inspected (Pkgs) 21,280

SUMMARY - TOTAL STANDARDIZATION

Man Hours 5,393

No. Inspections 8,774

Packages Inspected 3,260,807

Packages Rejected 15,703

Packages Certified 1,998,892

No. Violations Issued 240

Certification Fees Collected \$ 8,376.60

SEED INSPECTION

All lots of agricultural and vegetable seed are required to be labeled to establish identity, purity and germination for protection to the buyer.
Inspection and official samples are made to determine if the seed and labels comply.

SUMMARY OF SEED INSPECTION

| | <u>1967</u> | <u>1966</u> |
|---------------------------------|-------------|-------------|
| Number of Seed Houses in County | 60 | 58 |
| Seed Inspection, Man Hours | 148 | 157 |
| Stop Sales Issued | 42 | 38 |
| Official Samples Drawn | 13 | 16 |

*** ** NURSERY INSPECTION ** ***

A regular systematic inspection program is followed in checking all plant nurseries in the county periodically to maintain standards of pest cleanliness, proper labeling and quality. This also facilitates shipping nurseries to move most types of nursery stock by intracounty certificate without the inconvenience of destination inspection.

Two nurseries were found with "B" rated pests requiring eradication or treatment of nursery stock.

The modern plant nursery business today is a highly specialized industry supplying the fruit trees, vines and plants for commercial farming or the ornamental stock to beautify the landscape of commercial areas and parks or the gardens of the home owner.

SUMMARY OF NURSERY INSPECTION

| | | | |
|-----------------------------|-----|-------------------------------|-------|
| Licensed Plant Nurseries | 109 | Number of Nursery Inspections | 190 |
| Fee Exempt Nurseries | 7 | Inspection Man Hours | 1,032 |
| Number Cut Flower Nurseries | 31 | Non-Compliance Violations | 18 |
| Christmas Tree Growers | 30 | Number of Plants Held | 2,531 |

*** ** APIARY ** ***

Inspection of colonies for disease detection, advisory assistance to beekeepers and orchardists who are in need of pollination for their fruit crops, issuance of certificates for movement of bees and queens are among the services rendered by this department.

The migratory movement of honey bees into this county continues to be heavy, due to favorable overwintering conditions here and all increasing demand for honey bees to pollinate our fruit crops.

The wet cold spring this year caused many colonies to run very low on supplies, with the producer of package bees being hit very hard.

Due to excellent cooperation with the beekeeper - farmer and pest control operators, we had no reported losses due to the improper application of pesticides this year.

SUMMARY OF APIARY INSPECTION

| | <u>1967</u> | <u>1966</u> | <u>1965</u> |
|--------------------------|-------------|-------------|-------------|
| Number of Apiaries | 149 | 149 | 141 |
| Total Number of Colonies | 4,849 | 4,831 | 3,646 |
| Apiaries Inspected | 66 | 40 | 42 |
| Colonies Inspected | 2,316 | 988 | 760 |
| Colonies Infected AFB | 5 | 109 | 16 |
| Apiaries Infected AFB | 2 | 5 | 5 |

PLANT QUARANTINE

This function is intended to prevent the introduction or spread of serious insect pests, plant diseases and noxious weeds or seeds not commonly found in California.

It is the legal means of restricting the movement of plants, plant products or appliances which may serve as hosts or carriers of certain pests and prescribes the treatment or conditions of admission.

Four Notice of Warning violations were issued for shipments not reported for inspection.

Restricted material in violation was intercepted twenty-six (26) times. The number of incoming shipments inspected increased 12% and the volume of plant material was up 15%.

Export Certificates issued - 476 (477,242 plants - 1,550 pkgs. of produce)

Club Root Disease Certificates of Treatment issued 228

Misc. Origin Certificates issued - 44

| <u>SUMMARY OF QUARANTINE - 1967</u> | <u>Interstate</u> | <u>Intrastate</u> | <u>Total</u> |
|-------------------------------------|-------------------|-------------------|--------------|
| Shipments Inspected | 3,751 | 612 | 4,363 |
| Shipments Rejected | 26 | 0 | 26 |
| Plants Inspected | 9,970,022 | 3,728,798 | 13,698,820 |
| Plants Rejected | 2,580 | 0 | 2,580 |
| Bulk Inspected (Tons) | 7,239 | 530 | 7,769 |

*** ** INSECT AND DISEASE DETECTION SURVEYS ** ***

Increasing emphasis is directed toward planned survey programs coordinated with State and Federal agencies to find new pest infestations and implement eradication efforts when found before serious economic losses occur.

New techniques and methods are continually needed and tried to improve the effectiveness of this program.

PEST DETECTION SURVEYS - 1967

| <u>PEST</u> | <u>HOST</u> | <u>PROPERTIES</u> | <u>UNITS</u> | <u>INSPECTIONS</u> | <u>PROPERTIES INFESTED</u> |
|------------------------------|---------------|-------------------|--------------|--------------------|----------------------------|
| Fruit Flies | Fruit | 55 | 55 traps | 471 | 0 |
| Japanese Beetle | Lawns-Orn. | 13 | 13 traps | 99 | 0 |
| Citrus White Fly | Ornamentals | 116 | 553 hosts | 116 | 0 |
| Tulip Tree Scale | Tulip Tree | 1 | 1 host | 1 | 0 |
| Residential Grid | Various | 87 | 1,711 hosts | 87 | 0 |
| Khapra Beetle | Grain | 13 | 96 traps | 26 | 0 |
| Cereal Leaf Beetle | Native weeds | 15 | 582 acres | 23 | 0 |
| Plum Curculio | Fruit | 13 | 265 hosts | 13 | 0 |
| Spruce Needle Miner | Spruce | 26 | 96 hosts | 26 | 0 |
| European Pine Shoot Moth | Pine | 7 | 63 hosts | 7 | 0 |
| White Fringed Beetle | Various | 8 | 1,267 hosts | 8 | 0 |
| New Pests (transp.terminals) | Weedy areas | 3 | 12 acres | 3 | 0 |
| Mexican Bean Beetle | Beans | 7 | 72 acres | 5 | 0 |
| Gypsy Moth | Vehicles | 30 | 30 hosts | 30 | 0 |
| Crucifer Insects | Crucifers | 3 | 35 acres | 3 | 0 |
| Grape Leaf Skeletonizer | Grapes | 3 | 100 hosts | 3 | 0 |
| Club Root | Crucifers | 4 | 50 acres | 4 | 0 |
| Bushberry | Olallie Berry | 11 | 143 acres | 11 | 0 |
| Angular Leaf Spot | Strawberry | 5 | 48 acres | 5 | 0 |
| Geranium Leaf Rust | Geranium | 8 | 75 hosts | 8 | 3 |
| | | 428 | | 949 | 3 |

PEST CONTROL AND ABATEMENT

Prolonged spring rains contributed to severe pest control problems in various crops. Fifteen investigations involving crop damage or improper use of pesticides were processed. One incident involved cows in a plastic greenhouse enjoying a diet of carnations. Two instances involved youngsters accidentally drinking toxic phosphate chemicals, fortunately both recovered after hospital treatment.

SUMMARY - 1967

PEST CONTROL - 2,391 hours - 2,097 Inspections - PEST CONTROL FIELD TESTS - 30

LABORATORY IDENTIFICATION SAMPLES - Plant Diseases 104 - Insects 173

PEST ABATEMENTS - 10 properties - Total 177 acres - INJURIOUS PERMITS ISSUED - 320

APPLE SCAB - Widespread and severest damage on record here. Nearly caused complete defoliation and fruit loss in many orchards. Weather conditions favorable to scab and continuous spraying failed to control infections where early critical timing was missed. Every fungicide available was tried in an effort to stop the disease. Trial tests with Dupont 1991 looked promising under these conditions.

RUSSETTING - Cause unknown, but prevalent on Newtown apples in all orchards, severely affecting fruit finish.

SCLEROTINIA SCLEROTIUM - Caused losses in lettuce fields early season as expected with prevailing conditions.

RED STELE - Affected localized areas in strawberry fields severely where drainage problems existed.

POWDERY MILDEW - Troublesome to apples and bushberries.

EUROPEAN RED MITE - Were not a serious problem this year.

ORANGE TORTRIX - Affected some apple orchards in late season and caused fruit damage.

WOOLLY APHIS - Became fairly prevalent in some apple orchards by late season.

OAK MOTH - A very minor problem this year contrasted with epidemic populations of 1966. Test of microbial insecticide looked favorable for control.

*** ** PEST CONTROL OPERATORS ** ***

Forty-seven (47) operators were registered in the County of which six were aircraft. An increase in acreage treated is noted for this year.

Seven (7) Notice of Warning violations were issued, principally involving drift of materials. One aircraft operator was cited to office hearing on four violation counts. Continuance of operation was placed on a probationary basis.

Enforcement of pest control operator regulations is the responsibility of the Agricultural Commissioner.

SUMMARY OF WORK BY PEST CONTROL OPERATORS

| <u>Application By</u> | <u>Type of Crop</u> | <u>Acres Treated</u> | |
|-----------------------|---------------------|----------------------|---------------|
| | | <u>1967</u> | <u>1966</u> |
| Aircraft | Orchards | 4,486 | 3,390 |
| Ground Rig | " | 1,926 | 2,662 |
| Aircraft | Berries | 4,028 | 4,346 |
| Ground Rig | " | 349 | 333 |
| Aircraft | Vegetables | 14,804 | 16,781 |
| Ground Rig | " | 19,688 | 15,099 |
| Aircraft | Ornam. & Misc. | 124 | 596 |
| Ground Rig | " " | 334 | 1,838 |
| | | <u>45,739</u> | <u>45,045</u> |

VERTEBRATE PEST CONTROL

Our repertory of pest control material for sale remained the same this year. We did consider adding wax blocks of Pival bait and a bait for moles but because of technical difficulties these were not made available for sale.

GROUND SQUIRRELS (*Citellus beecheyi*) This year because of a very long wet spring there were two distinct peaks in the breeding season. The average litter was 13.4. This is considerably higher than our five year average of 9.0. We treated 104 separate properties for squirrel control using fumigants, baits and traps, as the situation called for. The use of fumigants was very successful this year because the ground moisture was retained for a long period. Bait acceptance seemed to be a little poorer. Use of anti-coagulants is increasing and trapping is becoming a prominent part of the program.

Materials used in 1967:

| | | | |
|----------------|------------|----------------------------|---------|
| 1080 Grain | 87 3/4 lbs | Anticoagulant Grain | 48 lbs |
| Zinc Phosphide | 32 lbs | Carbon Bisulphide Fumigant | 923 lbs |

MEADOW MICE (*Microtus* sp) Serious outbreaks in artichoke and brussels sprouts are reflected in our zinc phosphide treated crimped oat sales. In 1967 we sold 8,533 lbs. This amount is more than double the amount sold in 1964 which was the highest year we had. Part of the cause of this problem are changes in the cultural practice of the artichoke growers.

POCKET GOPHERS (*Thomomys* sp) The peak month for use of grain bait was June which was greater than the four year average. This also is a reflection of the abnormal wet spring. Total sales of strychnine treated grain bait was 3,855 lbs. A slight increase from 1966 sales. Strychnine for treatment of fresh bait was well below the five year average. Small packages of treated grain are gradually taking the place of fresh baits.

RATS (*Rattus* & *Neotoma* sp) and HOUSE MICE (*Mus*) Sales of anticoagulant treated baits in 1967 was well below the seven year average. The particular reason for this lacks logical explanation. Making of wax blocks of this material is being suggested when control of wood rats is desired. We sold 1,575 lbs of pival treated grain.

BIRD CONTROL - Institution of more effective supervision in the use of bird control materials that was started several years ago is still noticed because of the lesser amounts of material issued but better control obtained. Fewer people are interested in the program when they find they cannot expose baits at random. Two new materials were tested for linnet control this year. Neither proved to be better than the standard strychnine formula. One grower used electronic sound equipment in strawberries and was very satisfied with the results.

A study was made on feral pigeon control. Bandtailed pigeons were not the problem this year that they were in the past. Low value of the bushberry crop also made growers less interested in the damage. Starlings have established resident nesting populations in the County but no damage from them has been reported by growers.

WEED CONTROL

This has been a prolific year in the spread of noxious weeds. Vehicular traffic and trans-
 portion of feed stuffs, manure etc. from San Joaquin valley areas has caused an excessive
 number of new infestations of Johnson Grass and Puncture Vine to show up along our roads and
 highways.

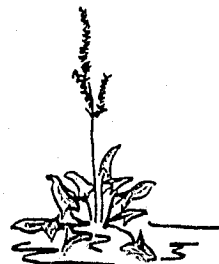
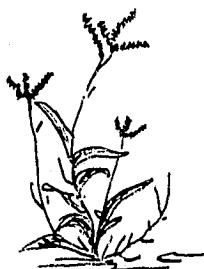
The A. J. P. program has been very helpful in our continued effort to bring Johnson Grass
 under control in our agricultural areas. Now it is our hope to broaden this program to in-
 clude more noxious weeds.

Service Agreements with the California State Department of Highways has financially
 assisted in the eradication of new infestations along State routes before they become
 established and move into agricultural areas.

In our continued determinations in the use of herbicides, this office in cooperation
 with various formulators of these chemicals established fifty-eight (58) field test plots
 to check results locally this year. Two Hundred and Three (203) permits were issued for
 the use of Injurious Herbicides this year.

SUMMARY OF NOXIOUS WEED INFESTATIONS

| Infested Area (Acres) | Crops & Pasture | Roadsides Other | TOTAL | No. Infestations | | | Type of Program |
|-----------------------|--------------------|--------------------|-----------|------------------|-----|-------|--------------------|
| | | | | Old | New | Total | |
| Klamath Weed | 0.10 | 5,010.00 | 5,010.10 | 3 | 0 | 3 | Eradicate |
| Italian Thistle | 4,200.00 | 425.00 | 4,625.00 | 30 | 0 | 30 | Control |
| Hoary Cress | 730.25 | 4.50 | 734.75 | 74 | 0 | 74 | Control |
| Purple Star Thistle | 300.25 | - | 300.25 | 2 | 0 | 2 | Eradicate |
| Alkali Mallow | 45.00 | 13.00 | 58.00 | 12 | 0 | 12 | Control |
| Yellow Star Thistle | 40.00 | 63.98 | 103.98 | 22 | 2 | 24 | Eradicate |
| Johnson Grass | 73.82 | 11.27 | 85.09 | 98 | 22 | 120 | Eradicate |
| Puncture Vine | 10.81 | 55.88 | 66.69 | 68 | 34 | 102 | Eradicate |
| Quack Grass | 0.56 | 3.72 | 4.28 | 17 | 1 | 18 | Eradicate |
| Russian Knapweed | 2.50 | - | 2.50 | 1 | 0 | 1 | Eradicate |
| Gorse | 0.50 | - | 0.50 | 1 | 0 | 1 | Eradicate |
| Scented Gaura | 2.00 | - | 2.00 | 1 | 0 | 1 | Eradicate |
| Russian Thistle | 0.50 | - | 0.50 | 6 | 0 | 6 | Eradicate |
| White Horsenettle | 0.50 | - | 0.50 | 1 | 0 | 1 | Eradicate |
| | 5,406.79 | 5,587.35 | 10,994.14 | 336 | 59 | 395 | |



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1968

AGRICULTURAL CROP REPORT

COUNTY OF SANTA CRUZ

1968



Agricultural Commissioner

P. O. Box 590
WATSONVILLE, CALIFORNIA

NOTICE

Agricultural Commissioner
Santa Cruz County
P O Box 590
Watsonville, California 95076

Please keep my name on the mailing list to receive the Annual Crop Report of Santa Cruz County. Your name will be removed from the mailing list unless this notice is returned within 30 days.

NAME: _____

FIRM: _____

ADDRESS: _____ CITY _____ STATE _____ ZIP _____

OFFICE OF
AGRICULTURAL COMMISSIONER
MATT MELLO, COMMISSIONER

COUNTY OF SANTA CRUZ

WATSONVILLE, CALIFORNIA

MAIN OFFICE
P. O. BOX 560
1430 FREEDOM BLVD.
WATSONVILLE, CALIFORNIA
BRANCH OFFICE
SANTA CRUZ, CALIFORNIA

Director, California Department of Agriculture
and
Santa Cruz County Board of Supervisors

J. Russ McCallie Ralph C. Sanson Jr.
D. Dan Forbus George L. Cress
Henry Mello, Chairman

Gentlemen:

This Agricultural Crop Report is submitted in accordance with
Section 2279 of the California Agricultural Code.

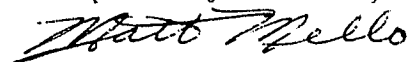
The gross value of agricultural products produced in Santa Cruz
County for 1968 totaled \$ 54,762,000 which is an increase of \$ 16,746,000
over the year 1967.

The F. O. B. value represents the gross value of the product when
sold and is not net income to the producer.

In addition to the comparative 1968 and 1967 acreage, production and
value of all products, are data information indicating trend of value and trend
of plantings for the past 5 years, a crop summary analysis for 1968, and tempera-
ture, rainfall information, intended to enhance the interest and understanding
of this report in its total perspective.

I wish to express my sincere appreciation for the cooperation and
assistance of all individuals and organizations who cooperated with this
department in providing the information that helped make this report possible.

Respectfully submitted,



MATT MELLO
Agricultural Commissioner

MM:so



Elevation Range - 0 to 3,214 feet

1968 Temperature Range

Watsonville

| | | | | | |
|--------|---|-----------|-----------------|-----------|--|
| 78.30° | F | | Average Maximum | | |
| 105° | F | Aug. 29th | High | Aug. 29th | |
| 41.26° | F | | Average Minimum | | |
| 26° | F | Dec. 21st | Low | Dec. 21st | |

Santa Cruz

| | |
|--------|---|
| 69.75° | F |
| 99° | F |
| 44.77° | F |
| 24° | F |

RAINFALL

Watsonville

| | |
|--------------|---------------------------------|
| 19.84 inches | 1968 Season (7-1-67 to 6-30-68) |
| 33.81 inches | 1967 Season |
| 19.83 inches | Normal Average (Last 20 years) |

Santa Cruz

| |
|--------------|
| 20.91 inches |
| 40.57 inches |
| 28.91 inches |

POPULATION & APPRAISAL

| | |
|--|-----------------|
| Santa Cruz County Population (State Department of Finance est.) | 113,800 |
| Total assessed valuation of property (1968-69) | \$ 306,342,210. |
| Total area of County (439 sq. miles) | 280,960 acres |

STATE PARKS AREA - 21,195 acres

| | | | |
|-------------------|--------------|-----------------------|-----------|
| Big Basin Park | 11,553 acres | Natural Bridges Beach | 47 acres |
| Capitola Beach | 6 acres | New Brighton Beach | 63 acres |
| Henry Cowell Park | 1,737 acres | Seacliff Beach | 84 acres |
| Manresa Beach | 21 acres | Sunset Beach | 292 acres |
| Twin Lakes | 112 acres | Santa Cruz Mission | 1 acre |

Nesine Marks Forest - 7,279 acres

SANTA CRUZ COUNTY CROP SUMMARY - 1968

Growing conditions generally were very favorable for agriculture and contributed to the highest gross return for agricultural production on record in this county. This was in direct contrast with the conditions that prevailed in 1967 when almost every segment of agriculture sustained severe losses.

APPLES - The major crop in the county had good fruit set with exceptional quality. Short crops in other competing States helped to firm market demand that remained steady all season at favorable prices. A strong demand for prepack of small sizes in poly bags provided a good outlet.

Low price offerings for processing apples in early season were replaced by higher levels as strong fresh market demand competition limited supplies available to meet processing needs.

This was the first operating season of the new marketing order for sales promotion of California apples. With this organization providing an industry program, and the adoption of improved standards of quality, color and sizing with other favorable factors, combined to make this an outstanding successful season.

APRICOTS - Heavy bloom followed by rain and high temperature affected fruit set and resulted in reduced tonnage, but higher market returns for fresh and dried apricots reflected a gross increase of \$ 47,000 above last year.

PEARS - Tonnage produced showed a fairly substantial increase altho a heavy June drop was noted throughout the district. Prices were lower so the gross overall value indicates a slight increase. Most of the tonnage used for processing.

PLUMS - Reduced acreage and lower production but much higher returns increased total gross value.

BUSHBERRIES - Experienced some frost damage in the spring but production turned out better than expected. Bulk of the tonnage goes for processing and is being machine harvested on the blacks. Returns were more favorable than 1967 season which was very poor and resulted in acreage reduction.

STRAWBERRIES - A good production year with improved returns although some growers felt prices should have been higher in relation to costs. Some reduction in acreage is noted but gross returns were up \$ 1,625,000 above the previous year.

LETTUCE - As a whole the season considered fairly good on the average although weak market prices prevailed at peak periods. High yields due to favorable growing conditions and increased acreage with a lower average season price reflected a moderate gross increase of \$218,000 over the 1967 crop year.

NURSERY & CUT FLOWER CROPS - Have been separated from Field Crops in this report because of the increasing importance of this industry and to provide greater recognition and information on its economic significance. A substantial increase in gross value is indicated for the 1968 year.

ANIMAL INDUSTRY - A substantial downward revision in milk production and total value figures supplied by California Crop Reporting Service is indicated and materially affected our industry total. Livestock generally showed higher levels but egg production and values declined, chicken fryer production substantially reduced and a slight up trend in turkeys.

SANTA CRUZ COUNTY TREND OF VALUE IN PRODUCTION

- 1 -

| <u>CROPS</u> | <u>1 9 6 8</u> | <u>1 9 6 7</u> | <u>1 9 6 6</u> | <u>1 9 6 5</u> | <u>1 9 6 4</u> |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fruit & Nut | \$ 21,873,000 | \$ 9,516,500 | \$ 12,404,000 | \$ 13,299,000 | \$ 9,804,000 |
| Berries | 6,793,000 | 4,930,700 | 6,542,000 | 6,197,000 | 5,693,000 |
| Vegetables | 15,458,000 | 13,513,200 | 15,763,000 | 12,497,000 | 11,925,000 |
| Field * | 1,021,000 | 789,700 | 791,000 | 1,031,000 | 897,000 |
| Nursery * | 4,853,000 | 4,315,000 | 4,051,000 | 4,394,000 | 3,750,000 |
| <hr/> | | | | | |
| TOTAL PLANT INDUSTRY | \$ 49,998,000 | \$ 33,065,100 | \$ 39,551,000 | \$ 37,418,000 | \$ 32,069,000 |
| Harvested Acres | (82,118) | (80,142) | (80,742) | (81,014) | (80,420) |
| ANIMAL INDUSTRY | \$ 4,764,000 | \$ 4,950,900 | \$ 5,478,000 | \$ 5,390,000 | \$ 6,269,000 |
| <hr/> | | | | | |
| TOTAL ALL PRODUCTION | \$ 54,762,000 | \$ 38,016,000 | \$ 45,029,000 | \$ 42,808,000 | \$ 38,338,000 |

GOVERNMENT PAYMENT PROGRAMS

(Not included in above)

(By Agricultural Stabilization Conservation Service, USDA)

| | | | | | |
|-------------|-----------|-----------|-----------|-----------|-----------|
| A. C. P. | \$ 9,000 | \$ 27,000 | \$ 17,000 | \$ 14,000 | \$ 21,000 |
| Sugar Beets | 14,000 | 12,000 | 10,000 | 17,500 | 38,500 |
| Wool | 1,000 | 1,000 | 4,000 | 3,000 | 2,000 |
| Feed Grain | 0 | 0 | 0 | 500 | 500 |
| Soil Bank | 0 | 0 | 0 | 0 | 0 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$ 24,000 | \$ 40,000 | \$ 31,000 | \$ 35,000 | \$ 62,000 |

* Revised Classification
 ** Revised Value

FRUIT & NUT CROPS - ACREAGE, PRODUCTION & VALUE 1968

| Crop | Year | Bearing Acreage | PRODUCTION | | Unit | F. O. B. VALUE | |
|-------------|------|--------------------|------------|-----------|-------|----------------|---------------|
| | | | Per Acre | Total | | Per Unit | Total |
| Apples | 1968 | 8,024 | 16.46 | (132,100) | Tons | | (21,160,000) |
| | 1967 | 7,586 | 12.97 | (98,400) | | | (9,086,000) |
| Fresh | 1968 | | | 61,300 | Tons | \$ 260.00 | 15,938,000 |
| | 1967 | | | 25,700 | | 175.00 | 4,498,000 |
| Dryer | 1968 | | | 12,600 | Tons | 73.70 | 929,000 |
| | 1967 | | | 10,900 | | 65.00 | 708,000 |
| Processing | 1968 | | | 42,000 | Tons | 83.00 | 3,486,000 |
| | 1967 | | | 40,800 | | 74.10 | 3,023,000 |
| Juice | 1968 | | | 16,200 | Tons | 49.80 | 807,000 |
| | 1967 | | | 21,000 | | 40.80 | 857,000 |
| Apricots | 1968 | 127 | 4.88 | (620) | Tons | | (197,000) |
| | 1967 | 129 | 5.08 | (655) | | | (150,000) |
| Fresh | 1968 | | | 280 | Tons | 400.00 | 112,000 |
| | 1967 | | | 300 | | 270.00 | 81,000 |
| Dry* | 1968 | | | 60 | Tons* | 1,400.00 | 84,000 |
| | 1967 | | | 60 | | 1,100.00 | 66,000 |
| Processing | 1968 | | | 10 | Tons | 110.00 | 1,000 |
| | 1967 | | | 25 | | 120.00 | 3,000 |
| Cherries | 1968 | 16 | .38 | 6 | Tons | 700.00 | 4,000 |
| | 1967 | (Misc Fruit) | | | | | |
| Grapes | 1968 | 99 | 1.16 | 115 | Tons | 240.00 | 28,000 |
| | 1967 | 102 | 1.08 | 110 | | 230.00 | 25,300 |
| Pears | 1968 | 392 | 3.78 | 1,480 | Tons | 119.00 | 176,000 |
| | 1967 | 395 | 2.34 | 925 | | 173.00 | 160,000 |
| Persimmons | 1968 | 19 | 5.26 | 100 | Tons | 254.00 | 25,000 |
| | 1967 | 26 | 2.32 | 60 | | 240.00 | 14,400 |
| Plums | 1968 | 369 | 1.76 | 650 | Tons | 324.00 | 211,000 |
| | 1967 | 389 | 2.98 | 1,160 | | 59.00 | 68,400 |
| Prunes-Dry* | 1968 | 250 | 1.02 | 251 | Tons* | 250.00 | 64,000 |
| | 1967 | 254 | .04 | 10 | | 240.00 | 2,400 |
| Walnuts | 1968 | 17 | .24 | 4 | Tons | 600.00 | 2,000 |
| | 1967 | 21 | .14 | 3 | | 570.00 | 1,700 |
| Misc. | 1968 | 15 | | | | | 6,000 |
| | 1967 | 45 | | | | | 8,300 |
| Total | 1968 | 9,328 | | | | | \$ 21,873,000 |
| | 1967 | 8,947 | | | | | \$ 9,516,500 |

BERRY CROPS

- 3 -

| Crop | Year | Harvested Acreage | PRODUCTION | | | F. O. B. VALUE | |
|---------------|------|----------------------|------------|-----------|-----------|----------------|--------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Blackberries | 1968 | 420 | 4.88 | 2,050 | Tons | \$ 238.00 | \$ 488,000 |
| | 1967 | 440 | 4.89 | 2,150 | | 137.00 | 295,000 |
| Boysenberries | 1968 | 45 | 2.27 | 102 | Tons | 305.00 | 31,000 |
| | 1967 | 55 | 2.64 | 145 | | 184.00 | 26,700 |
| Logan & Misc. | 1968 | 10 | 2.00 | 20 | Tons | 610.00 | 12,000 |
| | 1967 | 15 | 1.67 | 25 | | 480.00 | 12,000 |
| Raspberries | 1968 | 40 | 1,175.00 | 47,000 | Trays 9# | 3.64 | 171,000 |
| | 1967 | 55 | 618.00 | 34,000 | | 3.85 | 131,000 |
| Strawberries | 1968 | 700 | 21.09 | (14,760) | Tons | | (6,091,000) |
| | 1967 | 750 | 16.80 | (12,600) | | | (4,466,000) |
| Fresh | 1968 | | | 1,997,000 | Trays 12# | 2.62 | 5,232,000 |
| | 1967 | | | 1,712,000 | | 2.25 | 3,852,000 |
| Processing | 1968 | | | 2,780 | Tons | 309.00 | 859,000 |
| | 1967 | | | 2,360 | | | 614,000 |
| Total | 1968 | 1,215 | | | | | \$ 6,793,000 |
| | 1967 | 1,315 | | | | | \$ 4,930,000 |

FIELD CROPS

| | | | | | | | |
|-----------------|------|--------|-------|--------|-------|-------|--------------|
| Beans, Dry | 1968 | 470 | 21.91 | 10,300 | Cwt | 11.00 | 113,000 |
| | 1967 | 215 | 19.8 | 4,260 | | 14.70 | 62,600 |
| Grain | 1968 | 270 | 1.04 | 280 | Tons | 80.00 | 22,000 |
| | 1967 | 165 | 1.06 | 175 | | 57.30 | 10,000 |
| Hay | 1968 | 5,160 | 1.53 | 7,910 | Tons | 32.35 | 256,000 |
| | 1967 | 5,150 | 1.6 | 8,250 | | 33.20 | 274,000 |
| Corn Silage | 1968 | 290 | 17.90 | 5,190 | Tons | 17.00 | 88,000 |
| | 1967 | 90 | 12. | 1,080 | | 19.90 | 21,500 |
| Pasture, Irrig. | 1968 | 4,020 | | | Acres | 35.00 | 141,000 |
| | 1967 | 3,290 | | | | 35.00 | 115,000 |
| Pasture, Other | 1968 | 49,100 | | | Acres | 5.00 | 246,000 |
| | 1967 | 49,700 | | | | 2.77 | 138,000 |
| Sugar Beets | 1968 | 180 | 36.22 | 6,520 | Tons | 14.20 | 93,000 |
| | 1967 | 215 | 23. | 4,940 | | 14.00 | 69,200 |
| Veg & Flwr Seed | 1968 | 35 | | 35,000 | Lbs | | 62,000 |
| | 1967 | 35 | | 32,000 | | | 99,400 |
| Total | 1968 | 59,525 | | | | | \$ 1,021,000 |
| | 1967 | 58,860 | | | | | 789,700 |

NURSERY CROPS

| | Year | Acres | Production Sold | F. O. B. Value |
|---------------------|------|-------|-------------------|----------------|
| Ornamentals & Other | 1968 | 475 | 6,123,000 plants | \$ 1,697,000 |
| | 1967 | 376 | 5,981,000 | 1,683,000 |
| Bulbs | 1968 | 59 | 2,785,000 bulbs | 496,000 |
| | 1967 | 70 | 3,292,000 | 538,000 |
| * Cut Flowers | 1968 | 191 | 47,907,000 blooms | 2,660,000 |
| | 1967 | 194 | 43,597,000 | 2,094,000 |
| Total | 1968 | 725 | | \$ 4,853,000 |
| | 1967 | 640 | | 4,315,000 |

FIELD GROWN

* CUT FLOWERS - 1968

| Item | Production Area | Production Sold | F. O. B. Value | |
|---|-----------------|-------------------|----------------|------------|
| | | | Per Unit (av) | Total |
| Daisies | 32.00 acres | 3,106,200 blooms | .06 | \$ 186,201 |
| Iris | 35.00 acres | 2,842,800 blooms | .054 | 153,354 |
| Misc. (Including Daffodils, Glads, Fern, Agapanthus, Heather, Strawflowers) | 75.25 acres | 12,728,920 blooms | (various) | 265,274 |
| Calendula, Corn Flower | | | | |
| Candytuft, Ranunculus, | | | | |
| Mums, Begonias) | | | | |
| | 142.25 acres | 18,677,920 blooms | | \$ 604,829 |

INDOOR - GLASS or PLASTIC

| | | | | |
|---|-----------------------------------|-------------------|------|--------------|
| Carnations | 1,183,540 sq.ft. | 20,720,736 blooms | .062 | \$ 1,292,329 |
| Chrysanthemums (stds) | 216,700 sq.ft. | 1,875,595 blooms | .13 | 243,498 |
| Orchids | 163,820 sq.ft. | 179,550 blooms | .559 | 100,366 |
| Roses | 274,000 sq.ft. | 3,312,000 blooms | .089 | 293,850 |
| Misc. (including Fern, Min. Carnations, Freesia, Daisy, Iris, Snapdragons, Stephanotis) | 297,380 sq.ft. | 3,141,500 blooms | .04 | 125,475 |
| | 2,135,440 sq.ft. (49.02 acres) | 29,229,381 blooms | | \$ 2,055,518 |

Bulb acres not included

VEGETABLE CROPS - 1968

- 5 -

| Crop | Year | Harvested Acreage | PRODUCTION | | | F. O. B. VALUE | |
|---------------------|------|----------------------|------------|-----------|------|----------------|------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Artichokes | 1968 | 430 | 59.53 | 25,600 | Cwt | \$ 7.94 | \$ 203,000 |
| | 1967 | 430 | 53.50 | 23,000 | | 8.00 | 184,000 |
| Beans, Green | 1968 | 460 | 6.09 | 2,800 | Tons | 197.00 | 552,000 |
| | 1967 | 480 | 6.40 | 3,070 | | 170.00 | 522,000 |
| Broccoli | 1968 | Misc. Veg. | | | | | |
| | 1967 | 165 | 2.61 | 430 | Tons | 128.00 | 55,000 |
| Brussels Sprouts | 1968 | 3,270 | 6.02 | 19,700 | Tons | 242.20 | 4,771,000 |
| | 1967 | 3,460 | 6.16 | 21,300 | | 198.00 | 4,217,000 |
| Cabbage | 1968 | 375 | 258.40 | 96,900 | Cwt | 4.10 | 397,000 |
| | 1967 | 310 | 241.00 | 74,700 | | 3.24 | 242,000 |
| Cauliflower | 1968 | 800 | 67.75 | 54,200 | Cwt | 9.78 | 530,000 |
| | 1967 | 515 | 68.20 | 35,100 | | 8.20 | 288,000 |
| Celery | 1968 | 325 | 548.00 | 178,000 | Cwt | 5.37 | 956,000 |
| | 1967 | 245 | 498.00 | 122,000 | | 5.35 | 653,000 |
| Corn-Sweet | 1968 | 25 | 960.00 | 24,000 | Doz | .75 | 18,000 |
| | 1967 | 25 | 904.00 | 22,600 | | .68 | 15,400 |
| Cucumbers | 1968 | 165 | 227.00 | 37,500 | Cwt | 4.53 | 170,000 |
| | 1967 | 105 | 145.00 | 15,200 | | 4.33 | 65,800 |
| Lettuce | 1968 | 4,670 | 553.00 | 2,583,000 | Ctns | 1.91 | 4,934,000 |
| | 1967 | 4,060 | 484.00 | 1,965,000 | | 2.40 | 4,716,000 |
| Mushrooms | 1968 | | | 3,630,000 | Lbs | .526 | 1,909,000 |
| | 1967 | | | 3,668,000 | | .516 | 1,893,000 |
| Squash | 1968 | 305 | 141.00 | 43,000 | Cwt | 8.60 | 370,000 |
| | 1967 | 270 | 142.00 | 38,300 | | 7.47 | 286,000 |
| Tomatoes | 1968 | 115 | 345.20 | 39,700 | Cwt | 5.82 | 231,000 |
| | 1967 | 85 | 117.00 | 9,940 | | 10.20 | 101,000 |
| Misc. Veg. | 1968 | 385 | | | | | 417,000 |
| | 1967 | 230 | | | | | 275,000 |
| TOTAL | 1968 | 11,325 | | | | \$ 15,458,000 | |
| | 1967 | 10,380 | | | | 13,513,200 | |
| PLANT INDUSTRY | 1968 | 82,118 | | | | \$ 49,998,000 | |
| | 1967 | 80,142 | | | | 33,065,100 | |

ANIMAL INDUSTRY

| | Year | | PRODUCTION | | F. O. B. VALUE | | |
|-----------------|------|----------------|------------|------|----------------|----------------|--|
| | | | Total | Unit | Per Unit | Total | |
| APIARY | | | | | | | |
| Honey | 1968 | 4,890 Colonies | 112,000 | Lbs | \$.14 | \$ 16,000 | |
| | 1967 | 4,850 | 112,000 | | .13 | 14,600 | |
| Wax | 1968 | | 1,300 | Lbs | .60 | 1,000 | |
| | 1967 | | 1,300 | | .63 | 800 | |
| Pollination | 1968 | | | | | 18,000 | |
| | 1967 | | | | | 14,800 | |
| MILK - Market | 1968 | | 51,100 | Cwt | 4.85 | 248,000 | |
| | 1967 | | * 83,200 | | 4.57 | 380,000 | |
| Manufacturing | 1968 | | 38,900 | Cwt | 4.08 | 159,000 | |
| | 1967 | | * 35,100 | | 3.78 | 133,000 | |
| LIVESTOCK | | | | | | | |
| Cattle & Calves | 1968 | 9,740 Head | 60,900 | Cwt | 21.80 | 1,328,000 | |
| | 1967 | 8,380 | 55,200 | | 20.80 | 1,148,000 | |
| Breeders | 1968 | 425 Head | | | | 161,000 | |
| | 1967 | 360 | | | | 119,000 | |
| Swine | 1968 | 500 Head | 875 | Cwt | 21.40 | 19,000 | |
| | 1967 | 460 | 930 | | 18.80 | 17,500 | |
| Sheep & Lambs | 1968 | 2,630 Head | 2,780 | Cwt | 20.60 | 57,000 | |
| | 1967 | 2,340 | 2,470 | | 19.00 | 46,900 | |
| Wool | 1968 | | 18,500 | Lbs | .39 | 7,000 | |
| | 1967 | | 17,000 | | .43 | 7,300 | |
| EGGS - Market | 1968 | | 2,364,000 | Doz | .328 | 775,000 | |
| | 1967 | | 2,598,000 | | .35 | 909,000 | |
| Hatching | 1968 | | 189,000 | Doz | | 309,000 | |
| | 1967 | | 161,000 | | | 384,000 | |
| CHICKENS | 1968 | 322,000 Fryers | 1,286,000 | Lbs | .181 | 233,000 | |
| | 1967 | 1,000,000 | 3,998,000 | | .169 | 676,000 | |
| POULTRY, Other | 1968 | | | | | 1,069,000 | |
| | 1967 | | | | | 768,000 | |
| TURKEYS | 1968 | 76,800 Birds | 1,435,000 | Lbs | .205 | 294,000 | |
| | 1967 | 74,700 | 1,500,000 | | .18 | 270,000 | |
| RABBITS | 1968 | 51,500 | 232,000 | Lbs | .30 | 70,000 | |
| | 1967 | 46,700 | 210,000 | | .295 | 62,000 | |
| TOTAL | 1968 | | | | | \$ 4,764,000 | |
| | 1967 | | | | | * \$ 4,950,900 | |

* Revised Crop Reporting Service figures

TREND OF PERMANENT CROPS IN SANTA CRUZ COUNTY - 10 years

- 7 -

MAJOR VARIETIES

| <u>APPLES</u> | Total Acreage | Non-bearing Acreage | Bearing Acres | | |
|-------------------------|------------------|------------------------|---------------|--------|--------|
| | 1 9 6 8 | | 1968 | 1963 | 1959 |
| Newtown Pippin | 4,142 | 597 | 3,545 | 3,762 | 4,572 |
| Delicious - Red | 3,798 | 623 | 3,175 | 2,363 | 2,127 |
| Delicious - Std | 333 | 2 | 331 | 396 | 529 |
| Bellefleur | 195 | 0 | 195 | 284 | 471 |
| Winter Banana | 142 | 19 | 123 | 151 | 202 |
| W. W. Pearmain | 87 | 1 | 86 | 106 | 134 |
| Gravenstein | 65 | 3 | 62 | 89 | 98 |
| Golden Delicious | 114 | 22 | 92 | 72 | 42 |
| McIntosh | 331 | 235 | 96 | 11 | 6 |
| Other Varieties | 399 | 80 | 319 | 254 | 292 |
| TOTAL | 9,606 | 1,582 | 8,024 | 7,488 | 8,473 |
| <u>APRICOTS</u> | | | | | |
| All Varieties | 133 | 6 | 127 | 154 | 255 |
| <u>CHERRIES</u> | | | | | |
| Bing | 10 | 0 | 10 | 19 | 45 |
| Other Varieties | 6 | 0 | 6 | 27 | 70 |
| TOTAL | 16 | 0 | 16 | 46 | 115 |
| <u>GRAPES</u> | | | | | |
| Wine Varieties | 94 | 8 | 86 | 87 | 111 |
| Table Varieties | 13 | 0 | 13 | 20 | 31 |
| TOTAL | 107 | 8 | 99 | 107 | 142 |
| <u>PEARS</u> | | | | | |
| Bartlett | 327 | 2 | 325 | 399 | 551 |
| Hardy | 69 | 6 | 63 | 104 | 167 |
| Other Varieties | 4 | 0 | 4 | 11 | 65 |
| TOTAL | 400 | 8 | 392 | 514 | 783 |
| <u>PLUMS</u> | | | | | |
| Santa Rosa | 305 | 1 | 304 | 391 | 435 |
| Other Varieties | 65 | 0 | 65 | 50 | 41 |
| TOTAL | 370 | 1 | 369 | 441 | 476 |
| <u>PRUNES</u> | | | | | |
| French | 210 | 0 | 210 | 292 | 415 |
| Other Varieties | 42 | 2 | 40 | 72 | 98 |
| TOTAL | 252 | 2 | 250 | 364 | 513 |
| OTHER FRUITS-NUTS | 87 | 36 | 51 | 134 | 142 |
| Total Bearing Acres | | | 9,328 | 9,248 | 10,899 |
| Total Non-Bearing Acres | | | 1,643 | 2,670 | 2,269 |
| GRAND TOTAL ALL | | | 10,971 | 11,918 | 13,168 |

T R E N D O F O T H E R C R O P S
I N S A N T A C R U Z C O U N T Y

Total Acres Grown (Includes New-Plantings)

| | <u>1968</u> | <u>1967</u> | <u>1966</u> | <u>1965</u> | <u>1964</u> |
|------------------|-------------|-------------|-------------|-------------|-------------|
| Bushberries | 530 | 580 | 735 | 745 | 695 |
| Blackberry | 420 | 440 | 540 | 520 | 425 |
| Boysenberry | 50 | 60 | 90 | 100 | 120 |
| Logan & Misc | 10 | 15 | 55 | 60 | 80 |
| Raspberry | 50 | 65 | 50 | 65 | 70 |
| Strawberries | 700 | 750 | 720 | 810 | 775 |
| Asparagus | 50 | 65 | 120 | 175 | 175 |
| Artichokes | 430 | 430 | 430 | 430 | 430 |
| Beans, green | 460 | 480 | 450 | 815 | 1,365 |
| Broccoli | 180 | 165 | 155 | 15 | 205 |
| Brussels Sprouts | 3,270 | 3,460 | 3,180 | 2,930 | 3,015 |
| Cabbage | 375 | 310 | 300 | 270 | 80 |
| Cauliflower | 800 | 515 | 800 | 745 | 780 |
| Celery | 325 | 245 | 255 | 250 | 240 |
| Cucumbers | 165 | 105 | 50 | 45 | 65 |
| Lettuce, spring | 750 | 340 | 695 | 480 | 215 |
| Lettuce, summer | 2,530 | 2,390 | 2,345 | 2,170 | 2,035 |
| Lettuce, fall | 1,390 | 1,330 | 1,350 | 815 | 875 |
| Potatoes | 60 | 80 | 60 | 85 | 85 |
| Squash | 305 | 270 | 310 | 445 | 520 |
| Tomatoes | 115 | 85 | 105 | 120 | 115 |
| Beans, dry | 470 | 215 | 635 | 500 | 320 |
| Grain | 270 | 165 | 170 | 745 | 500 |
| Hay | 5,160 | 5,150 | 4,775 | 5,380 | 4,015 |
| Sugar beets | 180 | 215 | 165 | 335 | 585 |
| Nursery | 725 | 640 | 640 | 745 | 695 |

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1969

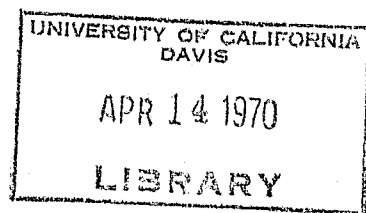
University of California Davis

Report (Annual) 1969

AGRICULTURAL CROP REPORT

COUNTY OF SANTA CRUZ

1969



Agricultural Commissioner

P. O. Box 590
WATSONVILLE, CALIFORNIA

AGRICULTURAL
COMMISSIONER



COUNTY OF SANTA CRUZ

COURTHOUSE ANNEX

P. O. BOX 590 WATSONVILLE, CALIFORNIA 95076

(408) 724-1149

MATT MELLO
AGRICULTURAL COMMISSIONER

Jerry W. Fielder, Director
California Department of Agriculture
and
Santa Cruz County Board of Supervisors

Henry Mello Ralph C. Sanson Jr.
J. Russ McCallie George L. Cress
D. Dan Forbus, Chairman

Gentlemen:

As provided by Section 2279 of the California Agricultural Code, this Agricultural Crop Report is submitted for your information on the acreage, production and value for Santa Cruz County.

The year 1969 for many of our major crop producers was an economic dilemma with labor shortages, increasing costs of production and substantial declines in market price returns for their products.

The gross value of agricultural products produced in Santa Cruz County for 1969 totaled \$42,738,000 which is a decrease of \$12,314,000 below the gross receipts of the year 1968.

The F. O. B. value represents the gross value of the product when sold and is not net income to the producer.

To all the individuals and organizations who cooperated in providing information to help make this report possible, we extend our sincere appreciation.

Respectfully submitted,

MATT MELLO
Agricultural Commissioner

MM:bl



Elevation Range - 0 to 3,214 feet

1969 Temperature Range

Watsonville

76.02° F
92° F
43.03° F
30° F

Aug. 24th

Jan. 9th

Average Maximum

High

Average Minimum

Low

Aug. 5th

Jan. 5th

Santa Cruz

68.02° F
89° F
44.57° F
28° F

RAINFALL

Watsonville

41.30 inches
19.84 inches
21.14 inches

1969 Season (7-1-68 to 6-30-69)

1968 Season

Normal Average (Last 20 years)

Santa Cruz

45.44 inches
20.91 inches
31.72 inches

POPULATION & APPRAISAL

Santa Cruz County Population (State Dept. of Finance est.)

Total Assessed Valuation of Property (1969-70)

Total Area of County (439 sq. miles)

119,300

\$ 302,038,375

280,960 acres

STATE PARKS AREA - 21,195 Acres

Big Basin Park

11,553 acres

Capitola Beach

6 acres

Henry Cowell Park

1,737 acres

Manresa Beach

21 acres

Twin Lakes

112 acres

Natural Bridges Beach

47 acres

New Brighton Beach

63 acres

Seacliff Beach

84 acres

Sunset Beach

292 acres

Santa Cruz Mission

1 acre

Nesine Marks Forest - 7,279 acres

SANTA CRUZ COUNTY CROP SUMMARY - 1969

Growing conditions generally were favorable and a few crops reflected favorable demand and returns, while many others were seriously affected by weather, low market returns, labor shortages and increased costs. The F.O.B. value represents the gross value of the product when sold and is not net income to the producer.

APPLES - With an unprecedented national crop production of apples, the impact on this major crop of the county caused local growers and shippers considerable anxiety this season. All the major terminal markets were flooded with shipments from other Western States which sent prices tumbling at the start of the season. Most growers delayed harvesting as long as possible for better market stability and firmer prices. With the benefit of cold storage facilities and nearly all fresh market shipments waxed to provide superior quality and appearance, gradual movement of supplies was achieved despite heavy competition with other areas. Promotional efforts stimulated good movement of prepacked consumer poly bags for supermarket chains. Federal institutional purchase programs helped move many carloads to relieve the surplus pressure.

APRICOTS - Bloom was about ten days later than normal. The rains let up by late February which reflected an increase in production over the 1968 crop. Returns were lower this season, although they started off good. Other areas were also shipping heavily, which flooded the markets.

PEARS - Total tons increased slightly over the 1968 crop. The price per ton was much lower this year.

PLUMS - Some reduction in acreage, but total gross value increased due to higher fresh market value. Adjusted average price indicates lower value because 39% of the total tonnage went processing @ \$30 per ton due to size and quality of fruit.

BUSHBERRIES - Most of the berries went to processing due to the exceptionally good price. Machines were used to harvest the larger acreages of Olallieberries. Production was also good and reflects an increase over past years' tonnages and values despite reduced acreage.

STRAWBERRIES - Production hit its peak early this year with a very heavy production, then dropped very low for an extended period. Prices were fair but labor was a serious problem during the peak period and total result was a substantial reduction in tonnage marketed and gross value.

BRUSSELS SPROUTS - Production per acre declined and freezer price was much lower. Fresh market price slightly above last year. Total acreage was the same as 1968. Growers still have problems due to labor shortage. Generally considered a poor year, total value substantially lower.

LETTUCE - As a whole, the growers did not have a good year. A number of factors were responsible, but the chief one was poor price. Late spring rains resulted in a small spring crop. This resulted in an exceptionally heavy summer crop at a period of over-supply on the market.

ANIMAL INDUSTRY - Hog and sheep prices increased, but wool price dropped. Returns for cattle were much better. Eggs, poultry and turkeys had improved market prices and demand.

CUT FLOWERS - Prices nearly the same as 1968. Demand was steady. Total gross value increased over 1968. Upward trend in rose production and some reduction in carnations were noted.

SANTA CRUZ COUNTY TREND OF VALUE IN PRODUCTION

| <u>CROPS</u> | <u>1 9 6 9</u> | <u>1 9 6 8</u> | <u>1 9 6 7</u> | <u>1 9 6 6</u> | <u>1 9 6 5</u> |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fruit & Nut | \$ 9,964,000 | \$ 21,873,000 | \$ 9,516,500 | \$ 12,404,000 | \$ 13,299,000 |
| Berries | 6,366,000 | 6,793,000 | 4,930,700 | 6,542,000 | 6,197,000 |
| Vegetables | 14,238,000 | 15,458,000 | 13,513,200 | 15,763,000 | 12,497,000 |
| Field | 925,000 | 1,021,000 | 789,700 | 791,000 | 1,031,000 |
| Nursery | 5,285,000 | 4,853,000 | 4,315,000 | 4,051,000 | 4,394,000 |
| <hr/> | | | | | |
| TOTAL PLANT INDUSTRY | \$ 36,778,000 | \$ 49,998,000 | \$ 33,065,100 | \$ 39,551,000 | \$ 37,418,000 |
| Harvested Acres | (82,114) | (82,118) | (80,142) | (80,742) | (81,014) |
| ANIMAL INDUSTRY | \$ 5,960,000 | *\$ 5,054,000 | \$ 4,950,900 | \$ 5,478,000 | \$ 5,390,000 |
| <hr/> | | | | | |
| TOTAL ALL PRODUCTION | \$ 42,738,000 | *\$ 55,052,000 | \$ 38,016,000 | \$ 45,029,000 | \$ 42,808,000 |

GOVERNMENT PAYMENT PROGRAMS

(Not included in above)

(By Agricultural Stabilization Conservation Service, USDA)

| | | | | | |
|-------------|-----------|-----------|-----------|-----------|-----------|
| A. C. P. | \$ 13,000 | \$ 9,000 | \$ 27,000 | \$ 17,000 | \$ 14,000 |
| Sugar Beets | 7,000 | 14,000 | 12,000 | 10,000 | 17,500 |
| Wool | 1,000 | 1,000 | 1,000 | 4,000 | 3,000 |
| Feed Grain | 0 | 0 | 0 | 0 | 500 |
| Soil Bank | 0 | 0 | 0 | 0 | 0 |
| <hr/> | | | | | |
| | \$ 21,000 | \$ 24,000 | \$ 40,000 | \$ 31,000 | \$ 35,000 |

*Revised Value

FRUIT & NUT CROPS - ACREAGE, PRODUCTION & VALUE 1969

| Crop | Year | Bearing Acreage | PRODUCTION | | Unit | F. O. B. VALUE | |
|-------------|------|--------------------|------------|-----------|-------|----------------|----------------|
| | | | Per Acre | Total | | Per Unit | Total |
| Apples | 1969 | 8,138 | 14.73 | (119,900) | Tons | | (\$ 9,361,000) |
| | 1968 | 8,024 | 16.46 | (132,100) | | | (21,160,000) |
| Fresh | 1969 | | | 35,100 | Tons | 139.00 | 4,879,000 |
| | 1968 | | | 61,300 | | 260.00 | 15,938,000 |
| Dryer | 1969 | | | 19,000 | Tons | 55.00 | 1,045,000 |
| | 1968 | | | 12,600 | | 73.70 | 929,000 |
| Processing | 1969 | | | 38,600 | Tons | 60.00 | 2,316,000 |
| | 1968 | | | 42,000 | | 83.00 | 3,486,000 |
| Juice | 1969 | | | 27,200 | Tons | 41.20 | 1,121,000 |
| | 1968 | | | 16,200 | | 49.80 | 807,000 |
| Apricots | 1969 | 127 | 5.08 | (645) | Tons | | (129,000) |
| | 1968 | 127 | 4.88 | (620) | | | (197,000) |
| Fresh | 1969 | | | 300 | Tons | 250.00 | 75,000 |
| | 1968 | | | 280 | | 400.00 | 112,000 |
| Dry* | 1969 | | | 30 | Tons* | 1,300.00 | 39,000 |
| | 1968 | | | 60 | | 1,400.00 | 84,000 |
| Processing | 1969 | | | 165 | Tons | 90.00 | 15,000 |
| | 1968 | | | 10 | | 110.00 | 1,000 |
| Cherries | 1969 | 20 | .75 | 15 | Tons | 700.00 | 11,000 |
| | 1968 | 16 | .38 | 6 | | 700.00 | 4,000 |
| Grapes | 1969 | 98 | 1.48 | 145 | Tons | 288.00 | 42,000 |
| | 1968 | 99 | 1.16 | 115 | | 240.00 | 28,000 |
| Pears | 1969 | 424 | 3.57 | 1,515 | Tons | 89.00 | 135,000 |
| | 1968 | 392 | 3.78 | 1,480 | | 119.00 | 176,000 |
| Persimmons | 1969 | 29 | 5.17 | 150 | Tons | 208.00 | 31,000 |
| | 1968 | 19 | 5.26 | 100 | | 254.00 | 25,000 |
| Plums | 1969 | 310 | 2.50 | 775 | Tons | 282.00 | 219,000 |
| | 1968 | 369 | 1.76 | 650 | | 324.00 | 211,000 |
| Prunes-Dry* | 1969 | 285 | .35 | 100 | Tons* | 250.00 | 25,000 |
| | 1968 | 250 | 1.02 | 255 | | 250.00 | 64,000 |
| Walnuts | 1969 | 30 | .27 | 8 | Tons | 400.00 | 3,000 |
| | 1968 | 17 | .24 | 4 | | 600.00 | 2,000 |
| Misc. | 1969 | 18 | | | | | 8,000 |
| | 1968 | 15 | | | | | 6,000 |
| TOTAL | 1969 | 9,479 | | | | | \$ 9,964,000 |
| | 1968 | 9,328 | | | | | 21,873,000 |

BERRY CROPS

| Crop | Year | Harvested Acreage | PRODUCTION | | | F. O. B. VALUE | |
|---------------|------|----------------------|------------|-----------|-----------|----------------|--------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Blackberries | 1969 | 355 | 6.70 | 2,380 | Tons | \$ 390.00 | \$ 928,000 |
| | 1968 | 420 | 4.88 | 2,050 | | 238.00 | 488,000 |
| Boysenberries | 1969 | 35 | 2.86 | 100 | Tons | 420.00 | 42,000 |
| | 1968 | 45 | 2.27 | 102 | | 305.00 | 31,000 |
| Logan & Misc. | 1969 | 5 | 4.00 | 20 | Tons | 556.00 | 11,000 |
| | 1968 | 10 | 2.00 | 20 | | 610.00 | 12,000 |
| Raspberries | 1969 | 55 | 960.00 | 52,800 | Trays 7# | 4.00 | 211,000 |
| | 1968 | 40 | 1,175.00 | 47,000 | | 3.64 | 171,000 |
| Strawberries | 1969 | 725 | 15.81 | (11,460) | Tons | | (5,174,000) |
| | 1968 | 700 | 21.09 | (14,760) | | | (6,091,000) |
| Fresh | 1969 | | | 1,713,000 | Trays 12# | 2.80 | 4,796,000 |
| | 1968 | | | 1,997,000 | | 2.62 | 5,232,000 |
| Processing | 1969 | | | 1,180 | Tons | 320.00 | 378,000 |
| | 1968 | | | 2,780 | | 309.00 | 859,000 |
| Total | 1969 | 1,175 | | | | | \$ 6,366,000 |
| | 1968 | 1,215 | | | | | 6,793,000 |

FIELD CROPS

| | | | | | | | |
|-----------------|------|--------|-------|--------|-------|-------|------------|
| Beans, Dry | 1969 | 465 | 21.29 | 9,900 | Cwt | 10.36 | \$ 103,000 |
| | 1968 | 470 | 21.91 | 10,300 | | 11.00 | 113,000 |
| Grain | 1969 | 60 | .75 | 45 | Tons | 50.00 | 2,000 |
| | 1968 | 270 | 1.04 | 280 | | 80.00 | 22,000 |
| Hay | 1969 | 5,090 | 1.68 | 8,530 | Tons | 36.50 | 311,000 |
| | 1968 | 5,160 | 1.53 | 7,910 | | 32.35 | 256,000 |
| Corn Silage | 1969 | 85 | 17.30 | 1,470 | Tons | 17.40 | 26,000 |
| | 1968 | 290 | 17.90 | 5,190 | | 17.00 | 88,000 |
| Pasture, Irrig. | 1969 | 4,270 | | | Acres | 35.00 | 149,000 |
| | 1968 | 4,020 | | | | 35.00 | 141,000 |
| Pasture, Other | 1969 | 49,100 | | | Acres | 5.00 | 246,000 |
| | 1968 | 49,100 | | | | 5.00 | 246,000 |
| Sugar Beets | 1969 | 100 | 31.50 | 3,150 | Tons | 13.90 | 44,000 |
| | 1968 | 180 | 36.22 | 6,520 | | 14.20 | 93,000 |
| Veg & Flwr Seed | 1969 | 15 | | 24,000 | Lbs | | 44,000 |
| | 1968 | 35 | | 35,000 | | | 62,000 |
| Total | 1969 | 59,185 | | | | | \$ 925,000 |
| | 1968 | 59,525 | | | | | 1,021,000 |

NURSERY CROPS

| | Year | Acres | Production Sold | F. O. B. Value |
|---------------------|------|-------|-------------------|----------------|
| Ornamentals & Other | 1969 | 575 | 6,857,000 plants | \$ 2,121,000 |
| | 1968 | 475 | 6,123,000 | 1,697,000 |
| Bulbs | 1969 | 47 | 2,210,000 bulbs | 414,000 |
| | 1968 | 59 | 2,785,000 | 496,000 |
| *Cut Flowers | 1969 | 213 | 48,123,000 blooms | 2,750,000 |
| | 1968 | 191 | 47,907,000 | 2,660,000 |
| Total | 1969 | 835 | | \$ 5,285,000 |
| | 1968 | 725 | | 4,853,000 |

FIELD GROWN

*CUT FLOWERS - 1969

| Item | Production | | F. O. B. Value | |
|---|--------------|----------------------------|----------------|------------|
| | Area | Sold | Per Unit (av) | Total |
| Daisies | 27.75 acres | 2,628,600 blooms | .0458 | \$ 120,390 |
| Iris | 42.50 acres | 3,124,440 blooms | .0673 | 210,419 |
| *Misc. (Including Begonias, Scilla, Daffodils, Ranunculus, Fern, Agapanthus, Heather, Asters, Calendula, Candytuft, Holly, Strawflowers, Corn Flowers, Glads, Soars, Mums, Stock) | 88.25 acres | 7,936,185 blooms (Various) | | 172,471 |
| | 158.50 acres | 13,689,225 blooms | | \$ 503,280 |

INDOOR - GLASS or PLASTIC

| | | | | |
|---|-----------------------------------|----------------------------|-------|--------------|
| Carnations | 1,067,990 sq.ft. | 19,676,600 blooms | .0606 | \$ 1,191,986 |
| Orchids | 206,320 sq.ft. | 272,395 blooms | .5307 | 144,562 |
| Roses | 334,000 sq.ft. | 5,908,500 blooms | .0780 | 460,845 |
| *Misc. (Including Snapdragons, Fern, Chrysanthemums Std. and Min., Stephanotis, Freesia, Daisy, Iris) | 729,030 sq.ft. | 8,575,966 blooms (Various) | | 449,339 |
| | 2,337,340 sq.ft. (53.66 acres) | 34,433,461 blooms | | \$ 2,246,732 |

Bulb acres not included

*Misc. - Three or less growers

VEGETABLE CROPS - 1969

| Crop | Year | Harvested Acreage | Production | | Unit | F. O. B. VALUE | |
|---------------------|------|----------------------|------------|-----------|------|----------------|------------|
| | | | Per Acre | Total | | Per Unit | Total |
| Artichokes | 1969 | 420 | 59.29 | 24,900 | Cwt | \$ 8.65 | \$ 215,000 |
| | 1968 | 430 | 59.53 | 25,600 | | 7.94 | 203,000 |
| Beans, Green | 1969 | 440 | 4.89 | 2,150 | Tons | 247.00 | 531,000 |
| | 1968 | 460 | 6.09 | 2,800 | | 197.00 | 552,000 |
| Broccoli | 1969 | 375 | 3.28 | 1,230 | Tons | 191.00 | 235,000 |
| | 1968 | Misc. Veg. | | | | | |
| Brussels Sprouts | 1969 | 3,270 | 5.63 | 18,400 | Tons | 216.40 | 3,982,000 |
| | 1968 | 3,270 | 6.02 | 19,700 | | 242.20 | 4,771,000 |
| Cabbage | 1969 | 375 | 285.00 | 107,000 | Cwt | 3.24 | 347,000 |
| | 1968 | 375 | 258.40 | 96,900 | | 4.10 | 397,000 |
| Cauliflower | 1969 | 620 | 85.97 | 53,300 | Cwt | 9.27 | 494,000 |
| | 1968 | 800 | 67.75 | 54,200 | | 9.78 | 530,000 |
| Celery | 1969 | 310 | 377.00 | 117,000 | Cwt | 6.21 | 727,000 |
| | 1968 | 325 | 548.00 | 178,000 | | 5.37 | 956,000 |
| Corn, Sweet | 1969 | 40 | 798.00 | 31,900 | Doz | .70 | 22,000 |
| | 1968 | 25 | 960.00 | 24,000 | | .75 | 18,000 |
| Cucumbers | 1969 | 160 | 265.00 | 42,400 | Cwt | 4.63 | 196,000 |
| | 1968 | 165 | 227.00 | 37,500 | | 4.53 | 170,000 |
| Lettuce | 1969 | 4,640 | 529.00 | 2,455,000 | Ctns | 1.69 | 4,149,000 |
| | 1968 | 4,670 | 553.00 | 2,583,000 | | 1.91 | 4,934,000 |
| Mushrooms | 1969 | | | 3,726,000 | Lbs | .525 | 1,956,000 |
| | 1968 | | | 3,630,000 | | .526 | 1,909,000 |
| Squash | 1969 | 450 | 154.00 | 69,300 | Cwt | 8.15 | 565,000 |
| | 1968 | 305 | 141.00 | 43,000 | | 8.60 | 370,000 |
| Tomatoes | 1969 | 110 | 252.73 | 27,800 | Cwt | 14.88 | 414,000 |
| | 1968 | 115 | 345.20 | 39,700 | | 5.82 | 231,000 |
| Misc. Veg. | 1969 | 230 | | | | | 405,000 |
| | 1968 | 385 | | | | | 417,000 |
| <hr/> | | | | | | | |
| TOTAL | 1969 | 11,440 | | | | \$ 14,238,000 | |
| | 1968 | 11,325 | | | | 15,458,000 | |
| <hr/> | | | | | | | |
| PLANT INDUSTRY | 1969 | 82,114 | | | | \$ 36,778,000 | |
| | 1968 | 82,118 | | | | 49,998,000 | |

ANIMAL INDUSTRY

| | Year | | PRODUCTION | | F. O. B. VALUE | | |
|-----------------|------|----------------|------------|------|----------------|--------------|--|
| | | | Total | Unit | Per Unit | Total | |
| APIARY | | | | | | | |
| Honey | 1969 | 4,280 Colonies | 139,000 | Lbs | \$.14 | \$ 19,000 | |
| | 1968 | 4,890 | 112,000 | | .14 | 16,000 | |
| Wax | 1969 | | 1,500 | Lbs | .58 | 1,000 | |
| | 1968 | | 1,300 | | .60 | 1,000 | |
| Pollination | 1969 | | | | | 26,000 | |
| | 1968 | | | | | 18,000 | |
| MILK | | | | | | | |
| Market | 1969 | | 113,000 | Cwt | 5.13 | 580,000 | |
| | 1968 | | *112,000 | | 4.86 | 544,000 | |
| Manufacturing | 1969 | | 35,200 | Cwt | 4.14 | 146,000 | |
| | 1968 | | * 37,700 | | 4.07 | 153,000 | |
| LIVESTOCK | | | | | | | |
| Cattle & Calves | 1969 | 7,920 Head | 54,100 | Cwt | 26.40 | 1,428,000 | |
| | 1968 | 9,740 | 60,900 | | 21.80 | 1,328,000 | |
| Breeders | 1969 | 340 Head | | | | 135,000 | |
| | 1968 | 425 | | | | 161,000 | |
| Swine | 1969 | 570 Head | 903 | Cwt | 26.05 | 24,000 | |
| | 1968 | 500 | 875 | | 21.40 | 19,000 | |
| Sheep & Lambs | 1969 | 2,320 Head | 2,430 | Cwt | 23.60 | 57,000 | |
| | 1968 | 2,630 | 2,780 | | 20.60 | 57,000 | |
| Wool | 1969 | | 14,800 | Lbs | .34 | 5,000 | |
| | 1968 | | 18,500 | | .39 | 7,000 | |
| EGGS | | | | | | | |
| Market | 1969 | | 2,240,000 | Doz | .454 | 1,017,000 | |
| | 1968 | | 2,364,000 | | .328 | 775,000 | |
| Hatching | 1969 | | 205,000 | Doz | | 309,000 | |
| | 1968 | | 189,000 | | | 309,000 | |
| CHICKENS | 1969 | 434,000 Fryers | 1,736,000 | Lbs | .186 | 323,000 | |
| | 1968 | 322,000 | 1,286,000 | | .181 | 233,000 | |
| POULTRY, Other | 1969 | | | | | 1,384,000 | |
| | 1968 | | | | | 1,069,000 | |
| TURKEYS | 1969 | 70,500 Birds | 1,674,000 | Lbs | .249 | 417,000 | |
| | 1968 | 76,800 | 1,435,000 | | .205 | 294,000 | |
| RABBITS | 1969 | 57,100 | 257,000 | Lbs | .347 | 89,000 | |
| | 1968 | 51,500 | 232,000 | | .30 | 70,000 | |
| TOTAL | | | | | | | |
| | 1969 | | | | | \$ 5,960,000 | |
| | 1968 | | | | | * 5,054,000 | |

*Revised Crop Reporting Service figures -6-

TREND OF PERMANENT CROPS IN SANTA CRUZ COUNTY - 10 Years

MAJOR VARIETIES

| | Total | Non-bearing | Bearing Acres | | |
|--------------------------|----------------|----------------|---------------|--------|--------|
| | Acreage | | 1969 | 1964 | 1960 |
| <u>APPLES</u> | <u>1 9 6 9</u> | <u>Acreage</u> | | | |
| Newtown Pippin | 4,170 | 583 | 3,587 | 3,864 | 4,539 |
| Delicious - Red | 3,803 | 360 | 3,443 | 2,522 | 2,285 |
| Delicious - Std | 5 | 0 | 305 | 396 | 494 |
| Bellefleur | 193 | 1 | 192 | 282 | 451 |
| Winter Banana | 144 | 18 | 126 | 162 | 203 |
| W. W. Pearmain | 84 | 0 | 84 | 102 | 131 |
| Gravenstein | 55 | 2 | 53 | 89 | 97 |
| Golden Delicious | 114 | 18 | 96 | 85 | 50 |
| McIntosh | 325 | 176 | 149 | 22 | 6 |
| Other Varieties | 144 | 41 | 103 | 276 | 293 |
| TOTAL | 9,337 | 1,199 | 8,138 | 7,800 | 8,549 |
| <u>APRICOTS</u> | | | | | |
| All Varieties | 132 | 5 | 127 | 158 | 245 |
| <u>CHERRIES</u> | | | | | |
| Bing | 12 | 0 | 12 | 19 | 42 |
| Other Varieties | 8 | 0 | 8 | 27 | 65 |
| TOTAL | 20 | 0 | 20 | 46 | 107 |
| <u>GRAPES</u> | | | | | |
| Wine Varieties | 93 | 8 | 85 | 93 | 107 |
| Table Varieties | 13 | 0 | 13 | 22 | 31 |
| TOTAL | 106 | 8 | 98 | 115 | 138 |
| <u>PEARS</u> | | | | | |
| Bartlett | 366 | 2 | 364 | 409 | 558 |
| Hardy | 53 | 2 | 51 | 99 | 128 |
| Other Varieties | 9 | 0 | 9 | 12 | 55 |
| TOTAL | 428 | 4 | 424 | 520 | 741 |
| <u>PLUMS</u> | | | | | |
| Santa Rosa | 278 | 0 | 278 | 426 | 515 |
| Other Varieties | 33 | 1 | 32 | 86 | 44 |
| TOTAL | 311 | 1 | 310 | 512 | 559 |
| <u>PRUNES</u> | | | | | |
| French | 251 | 0 | 251 | 292 | 416 |
| Other Varieties | 38 | 4 | 34 | 54 | 98 |
| TOTAL | 289 | 4 | 285 | 346 | 514 |
| <u>OTHER FRUITS-NUTS</u> | | | | | |
| | 119 | 42 | 77 | 151 | 141 |
| Total Bearing Acres | | | 9,479 | 9,648 | 10,994 |
| Total Non-Bearing Acres | | | 1,263 | 2,567 | 2,349 |
| GRAND TOTAL ALL | | | 10,742 | 12,215 | 13,343 |

T R E N D O F O T H E R C R O P S
I N S A N T A C R U Z C O U N T Y
Total Acres Grown (Includes New Plantings)

| | <u>1969</u> | <u>1968</u> | <u>1967</u> | <u>1966</u> | <u>1965</u> |
|------------------|-------------|-------------|-------------|-------------|-------------|
| Bushberries | 450 | 530 | 580 | 735 | 745 |
| Blackberry | 355 | 420 | 440 | 540 | 520 |
| Boysenberry | 35 | 50 | 60 | 90 | 100 |
| Logan & Misc | 5 | 10 | 15 | 55 | 60 |
| Raspberry | 55 | 50 | 65 | 50 | 65 |
| Strawberries | 725 | 700 | 750 | 720 | 810 |
| Asparagus | 0 | 50 | 65 | 120 | 175 |
| Artichokes | 420 | 430 | 430 | 430 | 430 |
| Beans, Green | 440 | 460 | 480 | 450 | 815 |
| Broccoli | 375 | 180 | 165 | 155 | 15 |
| Brussels Sprouts | 3,270 | 3,270 | 3,460 | 3,180 | 2,930 |
| Cabbage | 375 | 375 | 310 | 300 | 270 |
| Cauliflower | 620 | 800 | 515 | 800 | 745 |
| Celery | 310 | 325 | 245 | 255 | 250 |
| Corn, Sweet | 40 | 25 | 25 | 55 | 40 |
| Cucumbers | 160 | 165 | 105 | 50 | 45 |
| Lettuce, spring | 300 | 750 | 340 | 695 | 480 |
| Lettuce, summer | 2,790 | 2,530 | 2,390 | 2,345 | 2,170 |
| Lettuce, fall | 1,550 | 1,390 | 1,330 | 1,350 | 815 |
| Potatoes | 25 | 60 | 80 | 60 | 85 |
| Squash | 450 | 305 | 270 | 310 | 445 |
| Tomatoes | 110 | 115 | 85 | 105 | 120 |
| Beans, dry | 465 | 470 | 215 | 635 | 500 |
| Grain | 60 | 270 | 165 | 170 | 745 |
| Hay | 5,090 | 5,160 | 5,150 | 4,775 | 5,380 |
| Sugar Beets | 100 | 180 | 215 | 165 | 335 |
| Nursery | 835 | 725 | 640 | 640 | 745 |

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