

1955 AGRICULTURAL REPORT



COUNTY
OF
SAN JOAQUIN

DEPARTMENT OF AGRICULTURE

SAN JOAQUIN COUNTY

Department of Agriculture

1868 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA

AUSTIN E. MAHONEY
AGRICULTURE COMMISSIONER

POST OFFICE BOX 1809
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TO THE STATE DIRECTOR OF AGRICULTURE AND
THE HONORABLE BOARD OF SUPERVISORS

Section 65.5 of the California Agricultural Code requires that the Agricultural Commissioner compile a report covering conditions, acreage, production, and value of the agricultural products of his county. This is the twenty-second annual report published by this department.

Approximately one hundred commercial crops are covered in this report, and, for your easy reference, they are segregated as to their commercial use wherever possible.

Acreages of permanent crops are reported in actual bearing acreage only, and other crops are reported in actual harvested acreage. Production is reported in units commonly used in the marketing of crops commercially in this county. Prices are reported on an F.O.B. basis. Cost of production, harvesting, packing, and other handling costs should be deducted to arrive at a true farm value.

Copies of this report are sent to a number of persons in other states, to federal, state, and county agencies throughout the United States, and to an increasing number of organizations and individuals within the state. The members of this department have made every effort to make this report as accurate as possible by checking our figures with every known source of reliable information.

I wish to express my sincere appreciation to all who have assisted my inspectors and deputies by furnishing necessary information to them, which has made the compilation of this report possible.

Respectfully submitted,



AGRICULTURAL COMMISSIONER

PERSONNEL

Stockton Office Hazelton and B Streets Stockton HO 6-6806

Austin E. Mahoney	Agricultural Commissioner
Allen L. Bugbee	Supervising Inspector
Mark A. Huberty	Deputy Commissioner
Kenneth W. Jones	Linden District
John Odelberg	Stockton District
Elmer T. Pahl	Standardization
John R. Solari	Roberts Island District
James K. Mahoney	Quarantine and Photographer
R. Dale Odneal	Seed Inspection
Marvin Switzenberg	Weed Control Supervisor
Johannes Joos	Entomologist
D. V. Widney	Warehouse
Elna Benjamin	Bookkeeper and Stenographer
Geraldine Hodge	Stenographer Clerk

Lodi Office 210 North Sacramento Street Lodi 8-1432

George Stipe	Deputy Commissioner
Paul Switzenberg	Thornton District
Leslie Todd	Victor District
Richard DeVol	Terminus District
Frank Newhall	Lockeford-Clements District
Doris Storz	Typist Clerk

Manteca Office 392 South 99 Highway Manteca 797

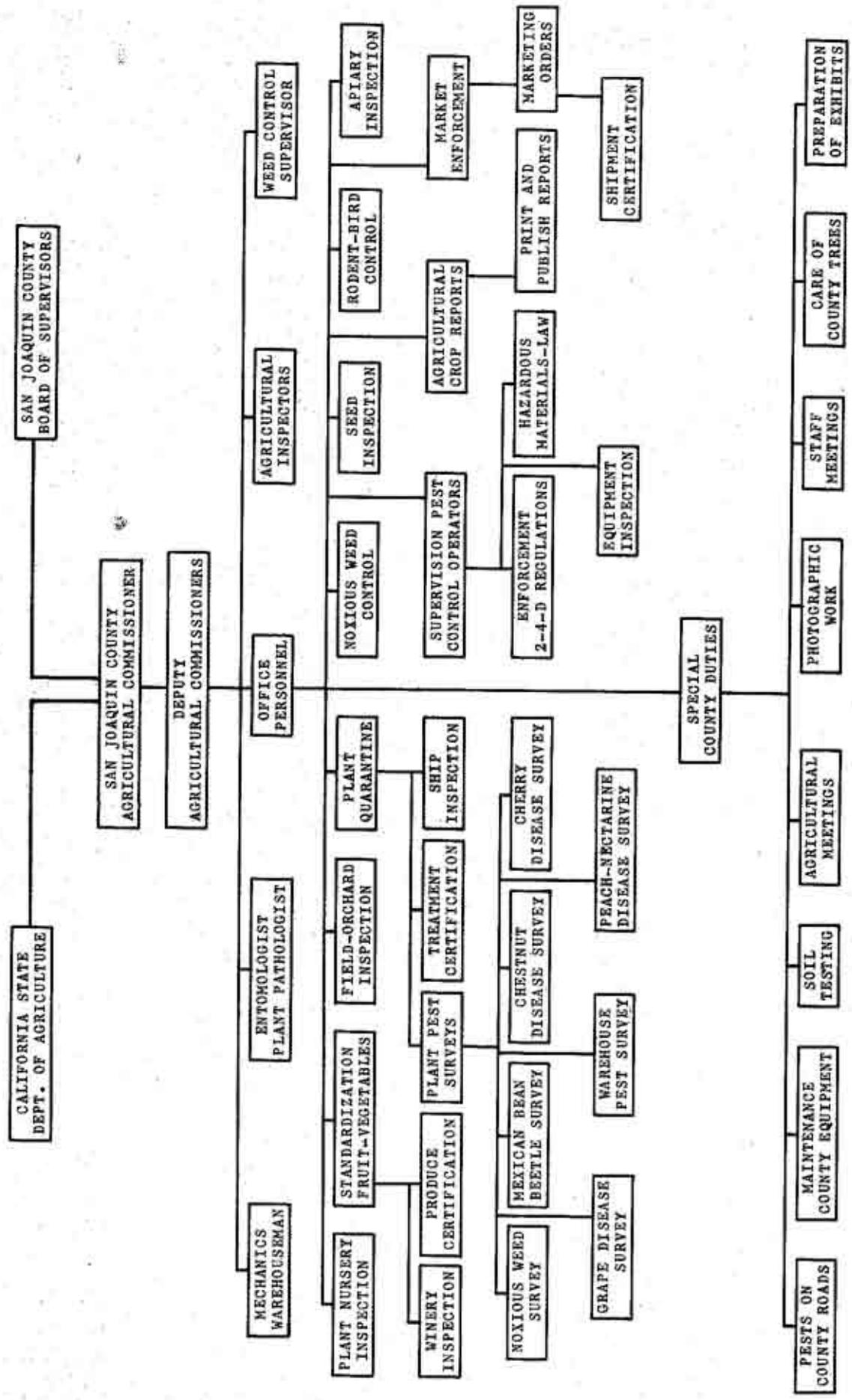
Nick J. Wolter	Supervising Inspector
Walton Bauer	French Camp District and Manteca
Jess Grisham	Ripon District
Joseph F. Silva	Escalon District

Tracy Office Tracy City Hall Terminal 5-2211
Ex.10

Aage R. Tugel	Deputy Commissioner
Wilfred McDaniel	South Tracy District

Richard R. Raney	Weed Control Foreman
Walter Beck	Mechanic
Edward Braghetta	Mechanic

FUNCTIONS OF THE SAN JOAQUIN COUNTY DEPARTMENT OF AGRICULTURE



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The San Joaquin County Department of Agriculture was one of the very first county offices established in this county excepting only the legislative and judicial offices required by law. The Board of Supervisors of San Joaquin County in the year 1881 appointed three local citizens to act as the Board of Horticulture. As a law enforcing agency, their duties were, as now, to "Protect and promote the agricultural interests of the county." In the year 1910, the San Joaquin County Board of Supervisors appointed the first person to act as their Horticultural Commissioner.

The Agricultural Code was amended in 1937 to read as follows: "There shall be the office of County Agricultural Commissioner in each county. Such commissioner shall be in charge of the County Department of Agriculture. The function of the department is to enforce agricultural laws; the purpose of which are to protect the welfare and agricultural interests of the county."

Since the initial appointment of the County Board of Horticulture, the duties of this department have been greatly expanded. Some of these duties are plant quarantine; nursery inspection; field and orchard inspection; fruit, nut, vegetable, egg and honey standardization inspection; rodent and pest animal control; weed control; seed inspection; and apiary inspection. These various duties are outlined very briefly as follows:

PLANT QUARANTINE

Foremost in the mechanics to prevent the introduction or spread of noxious weeds, plant diseases, insects or other animal pests injurious or detrimental to the agricultural industry of California is plant quarantine. When you consider the many insects and plant diseases found in other parts of the United States or in foreign countries, the quarantine laws are paramount in the protection of California agriculture.

The high diversification of crops in San Joaquin County makes this area correspondingly vulnerable to a large array of insects and plant diseases. By the enforcement of state and federal plant quarantine laws through continuous inspection of all plant material destined for propagation either entering or leaving the county, maximum protection is provided by the County Agricultural Department. This involves the inspection at all post-offices, freight lines, express companies, vessels, and transportation lines of all plant material and conveyances which may carry injurious plant disease, insect pests, noxious weeds or animal pests. Whenever shipments are found in violation, disposition of such plant material is either by treatment, destruction under the supervision of the inspector, or return to place of origin.

PLANT CERTIFICATION

Many times other states or foreign countries require certification as to pest conditions of plant material from the point of origin. Such necessary certificates are issued by this office after a thorough inspection. To accommodate persons wishing to ship plant material to foreign ports, many sanitary and fumigation certificates were issued throughout the year. In addition to certification of shipments, shipping permits and certificates of inspection of nursery stock, after thorough inspection, were placed on all interstate shipments.

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POSTENTRY INSPECTION

Certain foreign plant materials are permitted entry into the United States under the Federal Nursery Stock, Plant and Seed Quarantine Number 37, with certain restrictions, including an approved growing ground for postentry inspections. These postentry properties are inspected by our office personnel prior to federal release of plants to ascertain if the proper exclusion facilities are available to protect existing plants.

PLANT DISEASES AND INSECT SURVEY

During the year, a number of surveys of crops, properties, and miscellaneous plant materials were conducted for any new pests that may have been introduced into this area. To prevent the further spread of a potentially serious pest that may be found, immediate eradication or control measures are taken. By survey work, trapping and visual inspection, the extent of spread of these insects or plant diseases may be determined. Examples of plant disease survey carried out in this county are Chestnut Blight, Yellow Leaf Roll of Peach, and Grape Mosaic. Insects under survey are Japanese Beetle, Cherry Fruit Fly, Khapra Beetle, Walnut Husk Fly and Spotted Alfalfa Aphids.

NURSERY INSPECTION

Various types of nursery stock, which includes trees and plants used for the production of our food crops or to decorate our gardens, may carry serious agricultural pests. Thus, it becomes the duty of the Agricultural Commissioner to inspect all nursery stock and premises where such stock is grown or sold to prevent the spread of such pests.

At frequent intervals, all nurseries in the county are inspected for the presence of plant pests. This work involves the careful examination of large numbers of each variety of plants and the premises where the plants are grown.

ORCHARD AND FIELD INSPECTION

Insects and plant diseases which are pests to agriculture are controlled by the methodical enforcement by this office as provided by the provisions of the Agricultural Code. Many inspections are made of various orchards, vegetable and field crops throughout the county to determine the extent of damage by these established pests, and the methods of control used. This information gives comparative value of materials used and methods of application; thus new insecticides and fungicides may be properly evaluated. These records of degrees of control of the various operations in the county are the basis for recommendations for the most efficacious methods of control in this area from this office.

PEST CONTROL OPERATIONS

According to the regulations of Chapter 1a of the California Agricultural Code, commercial pest control operations are carried out in San Joaquin County. A commercial operator must register with this office to

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carry on work in this county, and report monthly all work performed in this county. By this method and through field inspection, complete records of all commercial pest control operations are maintained throughout the year by this department. There were 27 aircraft and 41 ground-rig operators registered during 1955 in San Joaquin County.

As defined by the Director of the California Department of Agriculture, injurious insecticides are arsenic, TEPP, Parathion, Methyl Parathion, EPN, OMPA and Systox.

Before the application of any of these materials is made, a permit must be obtained according to law from the Agricultural Commissioner's Office in Stockton. The application for a permit will be refused if there is any danger either to neighboring crops, livestock, bees, or humans, or to the operator himself. The regulations and safety precautions are fully explained to the person applying for the permit. By these methods, protection to the applicant and his neighbors is provided. Many times the applicant is not aware of the hazards involved in the use of these poisonous materials. In San Joaquin County during the year, 180 permits covering 8,498 acres were issued for the use of injurious insecticides.

Farmers using 2,4-D and related injurious herbicides must obtain a permit from this department prior to application. During the year, 370 permits were issued which represented 61,785 acres sprayed with 2,4-D.

The equipment to be used for spraying is checked by our inspectors to be sure that such equipment meets rules and regulations of this county and the State Department of Agriculture. To minimize the possibility of damage by drift, there are regulations on wind velocity and other requirements on nozzle size, pressure, and gallons per acre. Crops adjacent to the field to be sprayed must be listed on the permit by the applicant.

STANDARDIZATION OF FRUITS, NUTS, VEGETABLES, EGGS AND HONEY

Under Chapter 2, Division 5, of the Agricultural Code, activity of standardization work is authorized. Covered under standardization is the inspection of eggs, honey, walnuts and thirty-two different fruits and vegetables. These must comply with standards specified in the code. Also included is a general regulation on mold, decay and insect damage on all other fresh fruits and vegetables having no specific minimum quality standards.

The enforcement of these standardization laws are the responsibility of this office. Furthermore, all fruit, nuts, vegetables, eggs, and honey, when being packed or offered for sale, must be inspected to maintain standardization requirements. Inspectors visit packing houses, wholesale and distributing establishments and retail stores and markets daily to examine representative samples to determine that all provisions of the law as to quality, condition, pack and markings are complied with. Whenever produce is found in violation, a notice of violation is issued to persons concerned by the inspector, and instruction for reconditioning of the commodity is given. When the produce has been reconditioned to meet standardization requirements, it is released for sale by the inspector.

In addition to standardization laws, this office inspects certain fruit to see that they conform to the requirements of the fresh Peach and

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Plum Advisory Board. A total of 57,247 packages of peaches and 12,411 packages of plums were inspected and certified during the season under the marketing Order.

Wineries purchasing grapes on a sugar content basis shall have an official test made on each load delivered as provided in Section 771 of the Agricultural Code. This year four wineries had official tests made by our department.

To facilitate the movement of produce past state inspection stations, 2957 Standardization Certificates were issued this year. This insures the recipient at destination produce that conforms at least with the minimum California Standardization Law requirements. The issuance of these certificates represents a major activity of this department imparting an important service to growers and shippers of this county alike since San Joaquin County is a heavy exporter of fruits and vegetables.

RODENT CONTROL

Due to the destructive habits of ground squirrels, field mice, gophers, voles, and muskrats, serious agricultural losses may be sustained by rural areas. Furthermore, some of these rodents may carry certain diseases transmissible to humans, such as plague and relapsing fever. Thus, under the California Agricultural Code, the Agricultural Commissioner is charged with the responsibility to control or eradicate these animals. The control of these pests is required by this department and, if necessary, abatement procedure is carried out to protect other properties. To further facilitate the controlling of these rodents, this office maintains a service to all farmers in the mixing, handling, and selling of poison baits, rodenticide gases, and rodent field equipment. All poison baits are prepared by the Agricultural Department and are sold virtually at cost.

BIRD CONTROL

During the year, many requests for information on control of birds detrimental to agriculture were received by this office. After inspection of fields concerned, control recommendations for various species of birds are made. The poison baits and methods of control used by this department are those recommended by the U. S. Department of Agriculture, Fish and Wildlife Service and the California Department of Agriculture.

WEED CONTROL

A number of plants, due to vigorous growing habits, resist normal methods of cultivation. Such plants under the Agricultural Code are therefore declared to be noxious weeds and are subject to abatement or special control measures. The authority is given the Agricultural Commissioner to prevent the spread of these noxious weeds by seed or otherwise, and also require the control or eradication of established weed pests. Inspections are made of ranches, roadways, ditch banks, railroad rights-of-way, for the presence of noxious weeds. When found, this department is instrumental in contacting parties concerned and in initiating measures of control.

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A special weed program has been in progress for the last eight years to control or eradicate perennial noxious weeds on public and private property. To further assist the farmer in this program, the county, through this department, has made available free of charge powered spray rigs to apply herbicidal materials. This has greatly facilitated the control of noxious weeds for farmers that do not have the necessary equipment.

SEED AND GRAIN INSPECTION

Since noxious weed seed may be readily disseminated in the planting of crop seed, this department inspects the seed sold in this county for the presence of noxious weed seed. At the same time, the labels are examined for proper label information required by the California Seed Law. All seed subject to certification is sampled and tagged under the supervision of this department in cooperation with the California Crop Improvement Association.

Numerous lots of grain and hay are transported into this county for livestock feed. These lots are inspected for the presence of noxious weed seeds, and all other quarantine regulations affecting such shipments. Whenever a shipment is found in violation, it is disposed of according to law.

Seed screenings which accumulate from all lots of seed are either destroyed or disposed of in a manner satisfactory to the Agricultural Commissioner.

APIARY INSPECTION

To prevent the introduction and spread of diseases injurious to bees within the county, colonies are inspected periodically. This year an intensive inspection of all apiaries within the county was carried out. Colonies infested with American Foulbrood were treated to kill the bees and then burned according to prescribed methods as outlined in the California Agricultural Code. In order to have a complete file on all bees located in the county, a registration list of apiaries is maintained, certificates of inspection issued, and records of apiary movement permits are administered by this office.

AGRICULTURAL STATISTICS

Throughout the year, statistics are gathered by this department as required by Section 65.5 of the Agricultural Code. Thus, a comprehensive report covering conditions, acreages, production and value of agricultural products of this county may be formed. These statistics give the farmer a current economic picture of farm crops which is useful for future planning. Such information can readily be utilized by all connected with the agricultural industry.

MARKET ENFORCEMENT

The bureau of Market Enforcement is concerned with the settlement of controversies arising over unpaid claims between growers and buyers. Every possible effort is extended by the County Agricultural Commissioner's

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office to collect evidence to aid the Bureau of Market Enforcement. A comprehensive collection of facts enables the Bureau to make a fair re-adjustment to all concerned.

Investigations, hearings, and procedures set forth under the Produce Dealers' Act, The Processors' Law and the Milk Control Law resulted in a net remittance of \$30,378.74 to producers of this county.

PUBLIC SERVICE

Although enforcement of the California Agricultural Code is the primary function of this department, considerable work of an educational nature is done which may be classified as a public service.

Home owners with garden problems, a majority of which are located in city residential areas, are frequent callers seeking information to rid their plants of insect pests or plant diseases. In order to identify and make proper recommendations of control, many requests are followed by personal calls. Not only is the community further served by this department, but this also serves as a convenient way of watching for the introduction of agricultural pests that may be of a highly serious nature.

During the year numerous telephone calls are received requesting information pertaining to other public agencies. This department endeavors to keep current with the activities of these various agricultural and public agencies in order to offer greater service to individuals requesting this information.

Requests are occasionally made by various clubs or groups for talks on work activities of this department or some phase of agriculture. Such talks are given by members of this department which gives the public a better understanding of the work of this office.

MISCELLANEOUS DEPARTMENTAL DUTIES

A number of activities are carried out each year by this department which are additional to our regular duties. These activities are designed to facilitate the operation of this Department and extend to agriculturalists a more complete service.

Identification of Insects, Diseases and Plants

An important function of this office is the identification of insects, plant diseases and plants. This function is closely related to quarantine, nursery inspection, field and orchard inspection, plant pest control and weed control. It is only after identification that proper control of a pest can be recommended. If a positive identification cannot be made, the specimen is sent to an insect taxonomist, plant pathologist, or plant taxonomist of the State Department of Agriculture. Thus, a serious agricultural pest new to this area may be recognized and positive control measures initiated.

Farm Meetings

In order to keep closer contact with problems and needs of the farmers of the county, inspectors from this department attend many of the farm meetings. These meetings also provide excellent opportunities to introduce educational programs on the work of this office.

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Photographic Work

As a method of recording agricultural information for later reference, numerous photographs are taken of local agricultural activities. Colored and black and white photographs are taken by our personnel and developed in our own darkroom. By this method costs are kept to a minimum. In cases where departmental enforcement of agricultural law is required, photographs are occasionally submitted as evidence. However, the main purpose of photographs is for visual education.

Soil Tests

Since soil defects that are detrimental to plant growth are not always apparent, samples of soil are often tested in our laboratory. These tests are of valuable aid to the inspectors in determining some of the common deficiencies or the presence of too much alkali or salt. Such information is very helpful in making recommendations to correct adverse soil conditions.

Spraying of County Shade Trees

Once again, this department sprayed county sycamore trees for sycamore scale in order to prevent losses. This year, 555 sycamore trees were treated with 8,400 gallons of light medium oil spray mixture.

Shop Work

Maintenance of trucks and weed control spray rigs of the Department is a major activity of our work shop. Many pieces of equipment are assembled and some designed by our shop personnel which provides a more economical operation.

Staff Meetings

Once a month the inspectors of this office hold a meeting. This gives the inspectors a chance to discuss problems of the department, changes in the law, and keep abreast of events in other portions of the county. These meetings are valuable in formulating uniform departmental policies and activities.

Weather Reports

Weather reports are sent to the United States Weather Bureau once each week during the summer months and once each month during the winter. Progress of crop growth in this county is reported with comments on the weather effect.

Publications

In addition to this annual crop report, each year this department issues numerous news articles and a comprehensive pest control guide. These publications and articles are sent to radio stations, newspapers, local farm papers and persons interested in agriculture to give them a better knowledge of the agricultural situation in this area.

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Crop Summary

Adverse weather during some periods of 1955 caused unfavorable growing conditions for some crops. With weather conditions playing such an important part in agriculture, a brief review is in order.

January was a typical winter month with some fog, overcast days and occasional rains beneficial to all crops.

February was crisp and clear with occasional rains which stimulated growth in all crops. This month ended with a cold snap that caused some smudging of early almond varieties.

March warmed up to promote blooming of Almond, Apricots and Peaches which were damaged by frosts occurring the latter half of the month. The shortage of spring rains was detrimental to some pasture and non-irrigated lands.

A cool cycle started in April and carried on through most of the spring and summer with intermittent windy days. There was some rain the last of April and the first part of June, which caused damage to the early cherries.

The summer was very mild with exceptions of a few hot days in July, August and September. September's hot weather caused some damage to Walnuts, Beans and Tomatoes.

The best description of this year's weather would be to say that most crops were set back by the cool weather and harvests were as much as two weeks late. However, we had a late mild fall with the first major rains coming on November 13th. This allowed most all crops to be harvested under ideal conditions, and yields in most cases were near normal.

The year ended with a week of rain, starting December 17th, 1955, which melted snow, filling streams and low lands. Extensive flooding throughout the county as a result of this excess rain caused considerable damage. Many of the major waterways of the county overflowed their banks inundating some 38,000 acres of agricultural land. A levee broke on Empire Tract, one of the Delta Islands, putting the 3600 acre tract under 15 feet of water.

FRUIT AND NUT CROPS

Almonds

There was some frost damage from March 17 to 22 of this year, especially in orchards that did not have frost protection. Yields this year in the large almond growing areas of this county were above normal and the prices paid to growers were considerably higher than last year. Total tonnage for our county this year is nearly double the 1954 crop, or one of the largest tonnages yet produced.

Apricots

With a little more acreage and better production, the apricot yield exceeded last year's production by 2,200 tons. The biggest portion of this year's crop went to the canneries with prices a little lower.

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Cherries

With the increased planting of cherries in this area, the production was up 1,600 tons over last season for Black varieties shipped. The increased yield also produced small fruit in early varieties and spring rains ruined a small percentage of early cherries. A larger percentage of the cherries went to the fresh market this year due to the drop in cannery prices. However, processed Royal Anns produced a higher tonnage than last year by 800 tons.

Chestnuts

The yield for this year was normal; however, small sizes still prevail again this year with prices somewhat lower.

Figs

A larger percentage of our crop was shipped fresh this year. However, trees are still being removed, so we now harvest a very small acreage.

Olives

The price received for olives this year was very good considering the small sizes harvested. However, the very poor yield nullified any reasonable return to the growers.

Grapes

With the exception of one shower early in the harvest season, Tokay producers, as well as other grape growers, were able to complete harvesting of all varieties without loss. Tokays increased 152,000 packages for shipment and 46,000 tons for wineries over last season. Eastern shipments of juice grapes dropped 9,000 tons while the local winery shipments increased 21,000 tons. Shipping and winery prices were down some from last year. Due to the cool summer and fall, grapes were slow in ripening and the sugar content was not as high as the growers would have liked.

Peaches (Cling)

The harvest started a little late this year due to cool growing weather. The quality and size was not the best. The growers were again plagued with brown rot and mildew due to adverse weather, but our processed tonnage this year was 1,300 tons over the 1954 crop. There was no green drop this year. Some growers were damaged by frost during blooming season, which accounts for our small increase in production. A substantial increase in processed prices benefited the growers this year.

Peaches (Freestone)

The freestone peach growers experienced the same problems as the cling growers. Fresh and processed shipments were similar to 1954 with an increase in monetary returns.

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Pears

The pear yields and prices have held up very well this year. The growers experienced no trouble from fire blight but did have some leaf-miner troubles. The biggest share of our small acreage went to the processors.

Plums

There was considerable fluctuation in price between varieties this year and the over-all price was down from the previous year. However, the number of packages shipped this year was up approximately 40,000 over 1954.

Walnuts

The walnut industry progressed to a higher plane this year with an increase in yield of 1,150 tons over last year and an increase in receipts of approximately 11 cents a pound. This year still had the usual sunburn damage and off-colored meats, but not too much greater than in the past.

FIELD CROPS

Alfalfa

The growers experienced another cool growing year and some rain damage was suffered during the month of April. Alfalfa acreage increased 973 acres this year, with a substantial increase in price of approximately \$7.00 a ton. The growers had an active market throughout the season. The new pest, spotted alfalfa aphid, did not hit our county until late in the season and no damage was caused or spraying necessary.

Beans

The growers had excellent weather in which to harvest their crop this season. The yield was down slightly this year, due to a few hot days while pods were filling. The receipts to farmers were down some, especially on certain varieties, with overall acreage about the same.

Field Corn

The corn acreage increased this year by approximately 10,000 acres over last season. The yield was about the same as the previous year, but the receipts to the farmer were lower.

Potatoes

The potato acreage this year was only slightly higher than the 1954 season. However, the quality and yields were lower, with a decrease in farmer receipts. The market was very poor this season, with the exception of an upward spurt in the latter part of the year.

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Rice

The average yield of rice per acre increased four sacks this season, but the county acreage dropped 38%. Again cool weather during the summer slowed up the development of the plants; however, a dry fall provided farmers with ample time to harvest their crops.

Sugar Beets

Due to Federal acreage allotment, the county acreage dropped a substantial 4,358 acres under the previous year, representing a 25% decrease. Again favorable growing conditions resulted in a good tonnage.

Sunflowers

Growers enjoyed a better yield this year even though some crops were hit by fall rains and harvested late. The 1,379 acre drop under the previous year represented a 30% decrease.

Sweet Potatoes

Both yield and quality dropped for this crop as compared with the previous year. The average price was the same, although there was nearly a 12% decrease in the county acreage.

VEGETABLE CROPS

Asparagus

Growers had a very successful season considering the slow start due to cold weather. However, after the fresh shipments got under way, they exceeded last year by 77,381 crates. The excellent price paid by processors cut the fresh shipments off as soon as prices were comparable. Quality of fresh shipments was poor for a short time due to wind damage, but it soon recovered and carried on well throughout the processing season. Price was up for both fresh and processed asparagus, with an increase of 9,570 tons for processed asparagus over last year. The bearing acreage increased this year over last by nearly 4,600 acres.

Carrots

The county acreage made a small jump of 90 acres this year. Farmers also enjoyed a higher tonnage; however, the average price per ton decreased \$2.50 per ton.

Celery

The celery acreage and yield remained approximately the same, compared with the year before. Quality was good but the harvesting was hampered some by wet weather. A fair price was received on the celery first harvested, but deteriorated as the season progressed. This resulted in an average price lower than the low price of the previous year.

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Melons

The yields remained about the same on the various melon crops with the exception of cantaloupes, which jumped nearly 67% over the previous year. Price stayed about the same on the low side. There was slightly over a 100 acre decrease in the county of all melons. Casaba melons dropped sharply over 200 acres, with small gains in some of the other types. Our largest melon acreage, watermelons, remains about the same.

Onions

The acreage of this crop declined 1,034 acres under the previous year, or, approximately, a third less than the previous year. This reduction probably resulted from the poor prices of the year before. This year the market demand was very good with yields about even for early and late shipments. Prices were slightly higher than the previous year.

Peas

Virtually all the pea crop went to the processors. Both yield and price declined as compared with the year before. The county acreage increased 1,019 acres, which represented a 137% jump over 1954.

Spinach

For the third successive year, the spinach crop remained at the record yield of seven tons per acre. Price remained the same; however, the acreage increased nearly 36% over the previous year. Mildew was discovered in a small acreage, but no appreciable damage resulted.

Strawberries

There was an additional acreage increase in strawberries again this year of 252 acres over the 1,020 acres of 1954. The yield was a little lower this year, due to the early frosts and the poor growing season. Processors received the bulk of this year's crop, due to the quality. The price received by growers this year was slightly higher.

Tomatoes

The round tomato acreage of 34,429 acres represented an increase of 9,569 acres over 1954. There was approximately a half-ton increase in the yield of round tomatoes to the cannery; also, the price increased by \$2.50 per ton. Pear tomato acreage stayed about the same with nearly a ton increase in yield. Also, the price increased \$3.50 per ton. Some acreage had to be replanted due to poor stands; however, damage due to worms and disease was not great during the growing season. The size of the fruit was almost normal for such a cool growing season. The growers were very fortunate in having such a long harvest season of good weather. Quality even at the end of the season was very good.

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FRUIT AND NUT CROPS

CROP	BEARING ACREAGE	PRODUCTION			F.O.B. VALUE						
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL					
Almonds	8,445	.75	6,334	Ton	\$ 750.00	\$4,750,500					
Apricots	1,018	4.37	4,450	28#	1.50	6,675					
				Ship. Proc.			7.05	7,180	Ton	87.50	628,250
				Dried			.06	61	Ton	550.00	33,550
Cherries	1,026	4.09	4,197	Ton	200.00	839,400					
Other		2.09	5,545	Ton	445.00	2,467,525					
Cherries	2,649	.86	2,279	Ton	200.00	455,800					
Chestnuts	78	1.00	78	Ton	240.00	18,720					
Figs	85	.32	27	Ship.	140.00	3,780					
				Proc.			.80	68	Ton	102.00	6,936
Grapes		1.03	27,916	Ton	90.00	2,512,440					
Juice	27,085	4.14	112,190	Ton	28.90	3,242,291					
Grapes	21,724	228.60	4,966,093	28#	1.50	7,449,140					
				Ship. Wine			6.10	132,535	Ton	22.75	3,015,171
				Tokay					28#		
Grapes		24.39	31,653	Pkg	1.60	50,645					
All Other	1,298	6.33	8,221	Ton	26.65	219,090					
Misc'l Orchards	318			Acre	200.00	63,600					
Nectarines	90	367.78	33,100	28#	1.55	51,305					
				Ship. Proc.			2.61	235	Ton	85.00	19,975
Olives	338	.50	169	Ton	270.00	45,630					
Peaches	1,769	103.12	182,420	20#	1.40	255,388					
				Ship. Proc.			5.50	9,738	Ton	60.00	584,280
				Free Dried			.18	325	Ton	430.00	139,750
Peaches	4,838	8.63	41,775	Ton	80.50	3,362,887					
				Cling Pickles	.19	939	Ton	40.00	37,560		
Pears	74	30.62	2,266	40#	1.90	4,305					
				Ship. Proc.			13.65	1,010	Ton	75.00	75,750
									28#		
Plums	720	200.51	144,368	Pkg	2.45	353,701					
				Ship. Proc.			.13	94	Ton	60.00	5,640
Prunes	93	214.83	19,980	28#	2.45	48,951					
				Ship. Dried			.55	51	Ton	210.00	10,710
Walnuts	12,652	.74	9,335	Ton	590.00	5,507,650					
TOTAL						36,266,995					

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FIELD CROPS

CROP	BEARING ACREAGE	PRODUCTION			F.O.B. VALUE	
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Alfalfa Hay	68,333	6.50	444,164	Ton	\$ 26.70	\$11,859,179
Barley	66,095	19.50	1,288,852	CWT	2.10	2,706,589
Beans, Dry	14,617	14.00	204,638	CWT	8.10	1,657,568
Corn, Grain	23,065	1.70	39,210	Ton	57.65	2,260,456
Corn, Husks			75	Ton	500.00	37,500
Grain, Sorghum	8,441	29.00	244,789	CWT	2.25	550,775
Hay, Grain	4,790	1.40	6,706	Ton	21.00	140,826
Hay, Wild	6,615	1.00	6,615	Ton	21.00	138,915
Oats	9,943	9.00	89,487	CWT	2.10	187,923
Pasture	Range	197,426		Acre	4.00	789,704
	Clover	93,996		Acre	42.50	3,994,830
	Sudan Grass	1,863		Acre	30.00	55,890
	Stubble	98,790		Acre	1.25	123,487
Potatoes	6,861	295.00	2,023,995	CWT	1.70	3,440,791
Pumpkin	Canning		2,570	Ton	8.90	22,873
	Stock	300	3,430	Ton	3.00	10,290
Rice	10,490	31.00	325,190	CWT	4.40	1,430,836
Silage, Corn	3,779	16.50	62,353	Ton	7.25	452,059
Sugar Beets*	12,678	20.43	259,011	Ton	11.59	3,001,937
Sunflowers	3,216	12.50	40,200	CWT	7.00	281,400
Sweet Potatoes	1,080	175.00	189,000	Bskt.	3.00	567,000
Wheat	9,929	12.50	124,112	CWT	3.35	415,775
TOTAL						\$34,126,603

*Including Federal Subsidy

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AGRICULTURAL COMMISSIONER'S REPORT

VEGETABLE CROPS

CROP	BEARING ACREAGE	PRODUCTION			F.O.B. VALUE	
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Asparagus	59,112	15.22	900,026	30# Pkg	\$ 5.00	\$ 4,500,130
Asparagus	59,112	.87	51,343	Ton	243.67	12,510,748
Beets, Table	134	18.00	2,412	Ton	25.00	60,300
Broccoli	241	1.60	386	Ton	140.00	54,040
Cabbage	100	300.00	30,000	Pkg	1.95	58,500
Cauliflower	20	300.00	6,000	Pkg	1.25	7,500
Carrots	665	17.00	11,305	Ton	27.50	310,887
Celery	1,920	500.00	960,000	Pkg	1.95	1,872,000
Corn, Sweet	755	160.00	120,800	Pkg	1.65	199,320
Cucumbers	174	6.50	1,131	Ton	54.85	62,035
Garlic	3	56.00	168	CWT	17.30	2,906
Lettuce	102	270.00	27,540	Pkg	2.10	57,834
Cranshaw	174	10.00	1,740	Ton	40.00	69,600
Cantaloupe	108	200.00	21,600	Pkg	1.75	37,800
Melons Casaba	358	7.00	2,506	Ton	20.00	50,120
Honeydew	277	7.25	2,008	Ton	23.50	47,188
Persian	20	7.75	155	Ton	24.00	3,720
Watermelon	1,715	12.50	21,438	Ton	20.00	428,760
Onions	1,333	580.00	773,140	50# Sk.	1.10	850,454
Onions	653	610.00	398,330	Sk.	1.45	577,578
Peas	1,754	1.50	2,631	Ton	62.85	165,358
Peppers	385	10.00	3,850	Ton	72.50	279,125
Spinach	888	7.00	6,216	Ton	22.50	139,860
Squash	225	12.00	2,700	Ton	17.45	47,115
Boysenberries Proc.	35	3.14	110	Ton	204.00	22,440
Strawberries	1,272	860.00	1,093,920	Crate	2.05	2,242,536
Tomatoes	34,429	46.48	1,600,374	Pkg	2.25	3,600,841
Round	34,429	17.40	599,065	Ton	22.50	13,478,962
Pear	1,055	14.85	15,667	Ton	27.50	430,842
Truck Garden Misc'l Vegetables	940			Acre	250.00	235,000
TOTAL						\$42,403,499

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SEED CROPS

CROP	BEARING ACREAGE	PRODUCTION			F.O.B. VALUE	
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
<u>Alfalfa Seed</u>	<u>2,115</u>	<u>465.00</u>	<u>983,475</u>	<u>LB</u>	<u>\$.22</u>	<u>\$ 216,365</u>
<u>Asparagus Roots</u>	<u>540</u>			<u>Acre</u>	<u>600.00</u>	<u>324,000</u>
<u>Asparagus Seed</u>			<u>3,000</u>	<u>LB</u>	<u>2.50</u>	<u>7,500</u>
Beans						
Certified Seed: *						
Light Red Kidney	6,373					1,290,000
Dark Red Kidney	818					164,033
White Kidney	54					15,300
Cranberry	43					15,552
Black Eye	209					15,995
Others	78					8,838
<u>Cantaloupe Seed</u>	<u>10</u>	<u>140.00</u>	<u>1,400</u>	<u>LB</u>	<u>.40</u>	<u>560</u>
<u>Ladino Clover Seed</u>	<u>2,120</u>	<u>195.00</u>	<u>413,400</u>	<u>LB</u>	<u>.555</u>	<u>229,437</u>
<u>Millet Seed</u>	<u>148</u>	<u>1,400.00</u>	<u>207,200</u>	<u>LB</u>	<u>.04</u>	<u>8,288</u>
Grape Vines						
Nursery and						
Trees						248,000
<u>Nursery Other</u>						<u>130,000</u>
<u>Onion Seed</u>	<u>28</u>	<u>400.00</u>	<u>11,200</u>	<u>LB</u>	<u>.90</u>	<u>10,080</u>
<u>Popcorn Seed</u>	<u>28</u>	<u>2,000.00</u>	<u>56,000</u>	<u>LB</u>	<u>.06</u>	<u>3,360</u>
<u>Potato Seed</u>	<u>461</u>	<u>265.00</u>	<u>122,165</u>	<u>CWT</u>	<u>2.95</u>	<u>360,387</u>
<u>Pumpkin Seed</u>	<u>4</u>	<u>325.00</u>	<u>1,300</u>	<u>LB</u>	<u>.24</u>	<u>312</u>
<u>Safflower Seed</u>	<u>450</u>	<u>550.00</u>	<u>247,500</u>	<u>LB</u>	<u>.037</u>	<u>9,158</u>
<u>Squash Seed</u>	<u>25</u>	<u>190.00</u>	<u>4,750</u>	<u>LB</u>	<u>.26</u>	<u>1,235</u>
<u>Sudan Grass Seed</u>	<u>1,183</u>	<u>1,450.00</u>	<u>1,715,350</u>	<u>LB</u>	<u>.045</u>	<u>77,190</u>
<u>Watermelon Seed</u>	<u>40</u>	<u>157.00</u>	<u>6,280</u>	<u>LB</u>	<u>.30</u>	<u>1,884</u>
<u>Other Seed Crops</u>						<u>15,000</u>
					TOTAL	\$3,152,474

*Accurate prices and production figures are not available at this time. Total income for these crops are estimated.

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AGRICULTURAL COMMISSIONER'S REPORT

*PERMANENT CROPS

<u>CROP & VARIETY</u>	<u>NON BEARING ACREAGE</u>	<u>BEARING ACREAGE</u>	<u>CROP & VARIETY</u>	<u>NON BEARING ACREAGE</u>	<u>BEARING ACREAGE</u>
ALMOND			GRAPES (Raisin)		
Drake	11	230	Muscat	2	145
I X L	0	71	Thompson Seedless	105	569
Jordanola	137	603	Zante Currant	<u>0</u>	<u>11</u>
Mission	324	3,034	Total	107	725
Ne Plus Ultra	62	486	GRAPES (Table)		
Non Pareil	849	3,692	Cardinal	6	33
Peerless	24	294	Concord	0	7
Other	<u>103</u>	<u>35</u>	Emperor	0	122
Total	1,510	8,445	Malaga	0	67
APPLES			Ribier	3	124
Astrachan	1	10	Tokay	506	21,724
Golden Delicious	0	1	Other	<u>1</u>	<u>220</u>
Other	<u>0</u>	<u>2</u>	Total	516	22,297
Total	1	13	GRAPES (Wine)		
APRICOTS			Alicante	8	3,780
Blenheim & Royal	35	651	Burger	0	822
Moorpark & Hemskirk	0	8	Carignane	231	6,798
Tilton	92	355	Colombar	0	20
Other	<u>0</u>	<u>4</u>	F. Reising	0	16
Total	127	1,018	Golden Chasselas	0	77
CHERRIES			Grenache	53	918
Bing	1,069	1,686	Mataro	0	35
Black Republican	4	25	Mission	36	1,483
Chapman	8	140	Palomino	0	997
Lambert	75	225	Petite Sirah	0	384
Royal Ann	284	1,026	Sauvignon Blanc	0	23
Tartarian	88	505	Zinfandel	51	10,881
Other	<u>111</u>	<u>68</u>	Other White	0	140
Total	1,639	3,675	Other Dark	<u>124</u>	<u>711</u>
CHESTNUTS (All)			Total	503	27,085
	0	78	NECTARINES		
FIGS			John Rivers	52	38
Black	0	20	Other	<u>107</u>	<u>52</u>
Kadota	<u>0</u>	<u>65</u>	Total	159	90
Total	0	85	OLIVES		
			Ascolano	0	32
			Manzanillo	65	151
			Mission	0	120
			Other	<u>5</u>	<u>35</u>
			Total	70	338

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<u>CROP & VARIETY</u>	<u>NON BEARING ACREAGE</u>	<u>BEARING ACREAGE</u>	<u>CROP & VARIETY</u>	<u>NON BEARING ACREAGE</u>	<u>BEARING ACREAGE</u>
PEACHES (Cling)			PEARS		
Andora	30	124	Bartlett	148	72
Carolyn	115	91	Beurre Hardy	0	1
Corona	69	39	Winter Nelis	<u>0</u>	<u>1</u>
Cortez	221	95			
Fortuna	67	116	Total	148	74
Gaume	276	849	PERSIMMONS (All)		
Gomes (Stuart)	154	444		0	3
Halford	444	1,235	PLUMS		
Hauss	0	10	Beauty	0	2
Johnson	0	103	Burbank	0	7
Libee	0	49	Duarte	26	104
Palora	395	928	Grand Duke	0	1
Peak	35	179	Kelsey	0	3
Petersen	18	38	President	7	51
Phillips	0	132	Santa Rosa	46	236
Shasta	12	43	Tragedy	11	215
Sims	0	38	Other	<u>58</u>	<u>101</u>
Stanford	27	132			
Sutter	21	31	Total	148	720
Vivian	92	0	PRUNES		
Walton	9	44	French	0	8
Other	<u>109</u>	<u>118</u>	Robe De Sergeant	0	5
Total	2,094	4,838	Sugar	0	76
			Other	<u>0</u>	<u>4</u>
			Total	0	93
PEACHES (Free)			QUINCES (All)		
Babcock	3	3		0	11
Early Elberta	1	2	WALNUTS		
Elberta	198	828	Concord	0	43
Fay Elberta	336	93	Eureka	518	3,165
J. H. Hale	4	128	Franquette	162	3,298
Kim Elberta	7	37	Hartley	622	504
Late Hale	14	63	Mayette	1	615
Lovell	0	204	Payne	472	4,668
Muir	0	105	Placentia	0	86
Nector	18	8	Other	369	263
Red Haven	12	17	Seedling	<u>41</u>	<u>10</u>
Rio Oso Gem	76	152			
Salway	0	7	Total	2,185	12,652
Other	<u>20</u>	<u>122</u>	BLACK WALNUTS		
Total	689	1,769		797	291
			ASPARAGUS		
				2,290	60,290
			STRAWBERRIES		
				386	1,272

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 AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF FRUIT & NUT CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1940	YEAR 1945	YEAR 1950	YEAR 1955
Almonds	4,221	6,502	8,225	8,445
Apples	32	36	12	13
Apricots	1,621	1,876	1,081	1,018
Cherries	4,355	4,102	3,527	3,675
Chestnuts	245	182	130	78
Figs	458	510	406	85
Grapes, Juice	33,893	32,400	32,878	26,809
Grapes, Raisin	979	1,003	846	714
Grapes, Table	1,499	1,276	966	533
Grapes, Tokay	17,925	18,110	22,530	21,724
Olives	364	351	353	338
Nectarines	126	195	83	90
Peaches, Cling	3,273	4,124	5,519	4,838
Peaches, Free	2,781	3,181	2,111	1,769
Pears	285	141	90	74
Persimmons	5	13	1	3
Plums	1,572	1,280	1,091	720
Prunes	1,244	822	101	93
Walnuts	9,084	9,229	11,707	12,652

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THE TREND OF FIELD CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1940	YEAR 1945	YEAR 1950	YEAR 1955
Alfalfa hay	47,822	50,505	65,655	68,333
Barley	92,483	91,199	97,382	66,095
Beans, All	25,090	11,469	16,729	16,456
Corn, Grain	16,583	14,564	9,046	23,065
Flax Seed	1,276	520	0	0
Grain, sorghum	14,057	4,187	3,144	8,441
Hay, grain	22,966	22,101	8,159	6,207
Hay, wild	10,839	24,573	7,093	6,615
Oats	10,043	7,480	12,469	9,943
Pasture, Range	238,381	219,625	212,805	197,426
Pasture, Ladino clover	17,898	30,313	67,831	93,996
Pasture, Sudan Grass	2,807	2,804	938	1,863
Potatoes, All	9,404	7,491	4,465	6,645
Pumpkins	540	617	301	300
Rice	2,507	3,168	6,240	10,490
Silage corn	1,698	1,463	640	3,639
Sugar beets	20,485	4,597	13,128	12,678
Sunflowers	3,182	3,175	1,654	3,216
Sweet Potatoes	2,186	1,330	1,852	1,080
Wheat	38,392	21,661	13,319	9,929

SAN JOAQUIN COUNTY 1955
AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF VEGETABLE CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1940	YEAR 1945	YEAR 1950	YEAR 1955
Asparagus	31,499	43,681	55,022	60,290
Beets, table	22	63	38	134
Broccoli	125	10	50	241
Cabbage	11	26	60	100
Cauliflower	15	20	27	20
Carrots	786	1,386	442	665
Celery	5,885	5,482	3,379	1,877
Corn, sweet	345	432	442	755
Garlic	5	27	17	3
Lettuce	308	63	220	102
Melons, All	3,161	1,907	3,359	2,636
Onions	1,280	2,464	3,353	1,787
Peas	2,310	5,365	1,265	1,754
Peppers	43	29	133	385
Spinach	534	1,365	805	888
Squash	320	351	305	205
Strawberries	156	15	197	1,272
Tomatoes, round	5,036	18,595	21,382	34,429
Tomatoes, pear	10,557	7,507	1,873	1,055

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 AGRICULTURAL COMMISSIONER'S REPORT

APIARY PRODUCTS

Honey	702,200	Lbs.	@	.116	\$	81,455.00
Bees Wax	11,350	Lbs.	@	.51		5,788.00
Queen Bees	5,000	Queens	@	1.00		5,000.00
Pollenization	8,340	Colonies	@	2.65		<u>22,101.00</u>
Total						\$ 114,344.00

DAIRY PRODUCTS

Milk and Milk Products \$ 14,840,000.00

LIVESTOCK

Beef Cattle and Calves	\$ 11,091,525.00
Hogs	1,232,926.00
Sheep and Wool	<u>2,081,455.00</u>
Total	\$ 14,405,906.00

POULTRY

Chickens	\$ 1,490,112.00
Eggs	2,384,031.00
Turkeys	<u>994,776.00</u>
Total	\$ 4,868,919.00

SUMMARY

Fruit and Nut Crops	\$ 36,266,995.00
Field Crops	34,126,603.00
Vegetable Crops	42,403,499.00
Seed Crops	3,152,474.00
Apiary Products	114,344.00
Dairy Products	14,840,000.00
Livestock	14,405,906.00
Poultry Products	<u>4,868,919.00</u>
Total	\$150,178,740.00

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 AGRICULTURAL COMMISSIONER'S REPORT

Administration	\$32,721.11	
Plant Quarantine	21,051.63	
Fruit, Nut, Vegetable, Honey and Egg Standardization	20,410.37	
Field and Orchard Inspection	19,825.73	
Nursery Inspection	1,362.77	
Seed Inspection	2,464.49	
Rodent Control	15,101.89	
Weed Control	21,517.60	
Apiary Inspection	1,911.34	
Crop Statistics	12,045.63	
Gardener & Janitor	<u>6,348.00</u>	
		\$154,760.56
Capital Outlay		<u>206.00</u>
Total		\$154,966.56

SPECIAL WEED CONTROL

Salaries and Wages	35,744.40	
Maintenance and Operation	19,632.02	
Capital Outlay	<u>1,047.20</u>	
Total		\$ 56,423.62

