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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

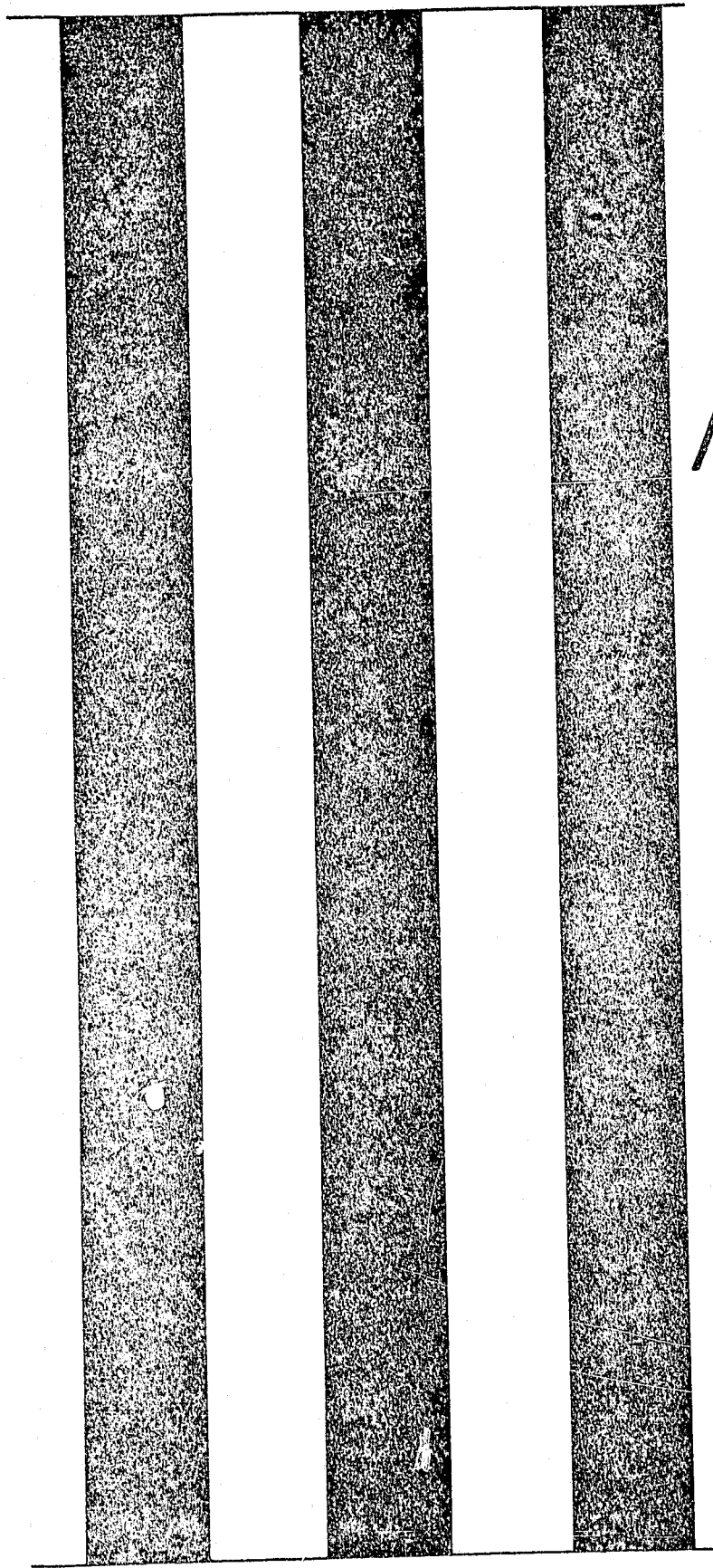
San Joaquin County

1956-1959

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.

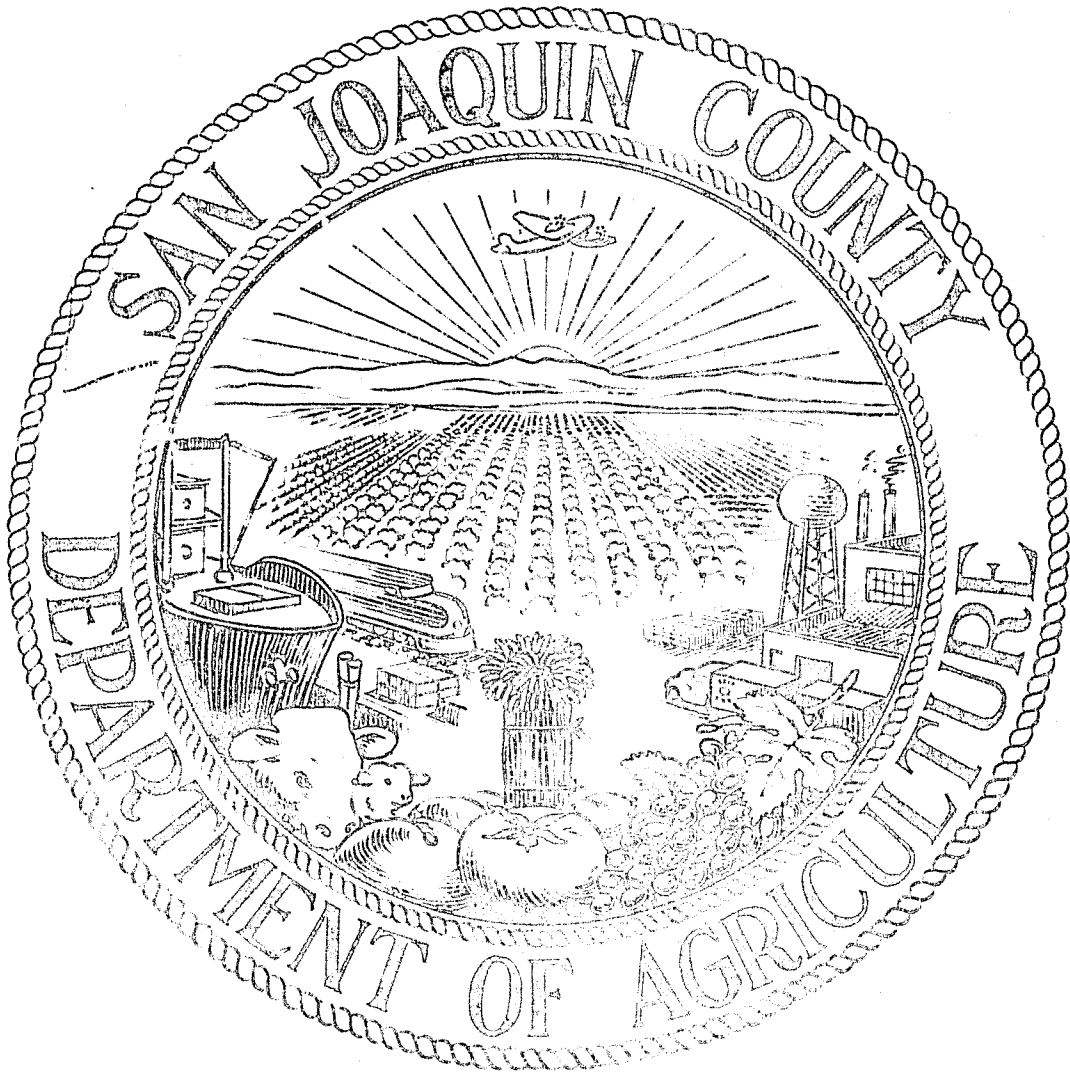
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1956

1956



AGRICULTURAL
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REPORT

STIN E. MAHONEY - AGRICULTURAL COMMISSIONER

LODI OFFICE
210 N. SACRAMENTO STREET

MANTECA OFFICE
392 S. 99 HIGHWAY

TRACY OFFICE
CITY HALL

SAN JOAQUIN COUNTY

Department of Agriculture

AUSTIN E. MAHONEY
AGRICULTURE COMMISSIONER

1868 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA

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-third annual report published by this department.

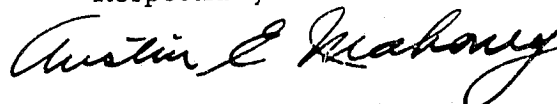
Approximately one hundred commercial crops are covered in this report, and, for your easy reference, they are segregated as to their commercial use wherever possible.

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. The 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.

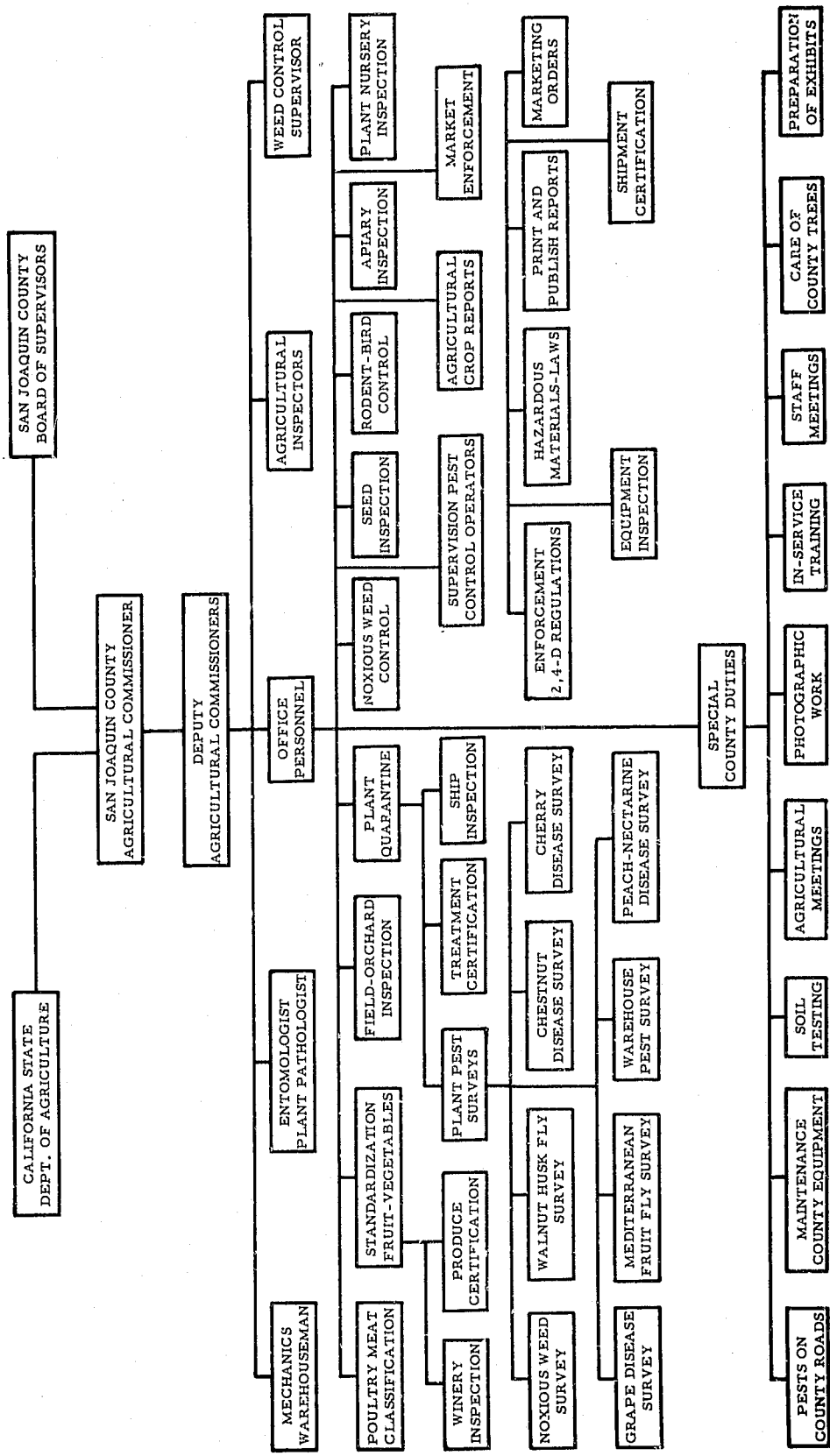
I wish to express my sincere appreciation to all who have assisted my inspectors and deputies by furnishing necessary information to them, which has made the compilation of this report possible.

Respectfully submitted,



AGRICULTURAL COMMISSIONER

FUNCTIONS OF THE SAN JOAQUIN COUNTY DEPARTMENT OF AGRICULTURE



PERSONNEL

STOCKTON

Hazelton and B Streets

Stockton HO 6-6806

Austin E. Mahoney
Allen L. Bugbee
Mark A. Huberty
Kenneth W. Jones
John Odelberg
R. Dale Odneal
John R. Solari
James K. Mahoney
Lee La Plant
Marvin Switzenberg
Johannes Joos
D. V. Widney
Elna Benjamin
Geraldine Hodge
Dorothy Parks

Agricultural Commissioner
Supervising Inspector
Calaveras District
Linden District
Stockton District
Standardization
Roberts Island District
Quarantine and In-Service Trainer
Seed Inspection
Weed Control Supervisor
Entomologist
Warehouse
Bookkeeper and Stenographer
Stenographer Clerk
Typist Clerk

LODI OFFICE

210 North Sacramento Street

Lodi 8-2757

George Stipe
Paul Switzenberg
Leslie Todd
Richard DeVol
Frank Newhall
Ethel Kenny

Deputy Commissioner
Thornton District
Victor District
Terminus District
Lockeford-Clements District
Typist Clerk

MANTECA OFFICE

392 South 99 Highway

Manteca 797

Nick J. Wolter
Walton Bauer
Jess Grisham
Joseph F. Silva

Supervising Inspector
French Camp District and Manteca
Ripon District
Escalon District

TRACY OFFICE

Tracy City Hall

Terminal 5-2211
Ex. 10

Aage R. Tugel
Wilfred McDaniel

Deputy Commissioner
South Tracy District

Richard R. Raney
Walter Beck
Edward Braghetta

Weed Control Foreman
Mechanic
Mechanic

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With the exception of the legislative and the judicial offices, the San Joaquin County Department of Agriculture was one of the first county offices to be established in this county. In 1881 the Board of Supervisors of San Joaquin County appointed three local citizens to serve as the County Board of Horticulture. Their duties, as now, were those of law enforcement - "To protect and promote the welfare and agricultural interests of the county." In 1910 the Board of Supervisors of this county appointed the first person to act as their Horticultural Commissioner.

In 1937 the newly adopted Agricultural Code was amended to read: "There shall be the office of 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 the agricultural laws; the purposes of which are to protect the welfare and agricultural interests of the county."

The duties of the department have been greatly expanded since the initial appointment of the County Board of Horticulture. Some of these duties are plant quarantine; nursery inspection; field and orchard inspection; rodent and pest animal control; fruit, nut, vegetable, egg and honey standardization inspection; poultry meat classification; weed control; seed inspection and apiary inspection. The following is a brief outline of the various duties:

PLANT QUARANTINE

The purpose of Plant Quarantine is to prevent the introduction into or the spread within an area of pests - noxious weeds, plant diseases, insects or other animal pests detrimental to the agricultural industry of California. The plant quarantine laws are indispensable when you consider the many insects and other plant pests found in other parts of the United States which have not yet been introduced into California.

San Joaquin County, since it is so highly diversified in its crop production, is particularly vulnerable to a great number of these plant pests. For this reason, plant quarantine is probably more important to this county than any other county in the state.

Maximum protection is provided by the County Department of Agriculture 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. This involves inspection at all post offices, freight lines, express companies, ships and transportation lines and inspection of all plant material and conveyances which may carry plant pests. Whenever shipments are found in violation, disposition of such plant material is either by treatment or destruction under the supervision of the inspector or return to the place of origin.

PLANT CERTIFICATION

Many times other states or foreign countries require certification as to pest

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conditions of plant material from the point of origin. After a thorough inspection of the material in such shipments, this office issues the required certificates. Throughout the year, many phytosanitary and fumigation certificates were issued to accommodate persons wishing to ship plant material to foreign countries. In addition to this, all interstate shipments were inspected and, if found free of serious pests, the shipments were certified.

POSTENTRY INSPECTION

Certain foreign plant materials are permitted entry into the United States under the Federal Nursery Stock, Plant and Seed Quarantine, No. 37, with certain restrictions, including an approved growing ground for postentry inspection. These postentry properties are inspected by our office personnel prior to federal releases of plants to ascertain if the proper exclusion facilities are available to protect existing plants.

PLANT DISEASE AND INSECT SURVEYS

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 future 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 insect and plant disease pests may be determined. Some of the plant disease pest surveys conducted by the department this year were for Chestnut Blight, Yellow Leaf Roll and Grape diseases. Some insects under survey were the Cherry Fruit Fly, Mediterranean Fruit Fly, Khapra Beetle, Walnut Husk Fly and the Spotted Alfalfa Aphid.

NURSERY INSPECTION

Nursery stock, including trees and plants used for the production of our food crops or to decorate our gardens may carry serious agricultural pests. It, therefore, 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.

All nurseries are inspected at frequent intervals for the presence of plant pests. Involved in this work is the careful examination of large numbers of each variety of plants and the premises where the plants are grown.

ORCHARD AND FIELD

Under the provisions of the Agricultural Code, this office makes inspections of various orchards, vineyards, vegetable and field crops throughout the county to determine the extent of damage of established pests and the methods used for their control. The information gathered from such inspections enables this office to properly evaluate the new pesticide materials and to make accurate recommendations for the control of pests found.

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PEST CONTROL OPERATIONS

Commercial pest control operations are carried out in San Joaquin County in accordance with the provisions of the Agricultural Code. Commercial pest control operators must register with this office before they can carry on work in this county and report monthly all work performed in this county. Complete records of such operations are maintained throughout the year by this department. There were 21 aircraft and 60 ground rig operators registered during 1956 in San Joaquin County.

The Administrative Code lists several chemicals as injurious insecticides. These materials are arsenic, TEPP, parathion, Methyl parathion, EPN, OMPA (Schradan), Systox (Demeton) and Phosdrin. According to the law, before these materials may be purchased or applied, a permit must be obtained from the Department. The application for a permit will be refused if there is any danger to any persons or animals in the area. The regulations and safety precautions are fully explained to the person applying for the permit. By this method, the applicant and the neighbors are provided protection.

In San Joaquin County during 1956, 732 permits covering 38,391 acres were issued for the use of injurious insecticides. This is an increase of 406% in the number of permits and 451% in the acres covered over 1955.

Farmers using 2,4-D and related injurious herbicides must obtain a permit from this department prior to purchase or application of the material. During 1956, 429 permits were issued covering 56,081 acres in San Joaquin County.

Equipment to be used for applying this injurious herbicide is checked by our inspectors for compliance with State and County regulations. Wind velocity, nozzle size, pressure and gallons per acre must meet certain requirements before the materials can be applied.

STANDARDIZATION

Standardization of eggs, honey, nuts, poultry and rabbit meat and thirty-two different fruits and vegetables is authorized under Chapter 2, Division 5, of the Agricultural Code. The commodities must comply with the standards specified in the code. Also included is a general regulation on mold, decay and insect damage on all fresh fruits and vegetables.

The enforcement of these standardization laws is the responsibility of this office. Inspectors visit packing houses, wholesale and distributing establishments and retail stores and markets daily to examine representative samples to determine if all of the provisions of the Code are complied with as to quality and condition. Whenever produce is found in violation, a notice of violation is issued to persons concerned by the inspector and instructions for reconditioning the commodity are given. When the produce has been properly reconditioned, it is released for sale by the inspector.

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This office, in addition to the enforcement of the standardization laws, inspects certain fruit to see that it conforms to the requirements of the Fresh Peach and Plum Advisory Board. A total of 65,311 packages of peaches and 24,951 packages of plums were inspected and certified during 1956 under this marketing order.

Section 771 of the Agricultural Code requires that wineries purchasing grapes on a sugar content basis must have an official test made on each load of grapes delivered to the winery. This year five wineries had official tests made by the department.

To facilitate the movement of produce past state inspection stations, 3815 Standardization Inspection Certificates were issued this year. This insures the recipient at destination produce that conforms at least with the minimum California Standardization law requirements at time of inspection. The issuance of these certificates represents 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

Certain rodents, such as ground squirrels, field mice, gophers, voles and muskrats can cause serious damage to agriculture. Furthermore, some of these animals may carry certain diseases that are transmissible to humans, such as bubonic plague or relapsing fever. Therefore, the California Agricultural Code charges the Agricultural Commissioner with the responsibility to control or eradicate these pests. The control of these animals is required of the property owner by this department and, if necessary, abatement procedure is carried out to protect other properties and persons. To further facilitate the controlling of these rodents, this office maintains a service to all farmers in mixing, handling and selling of poison baits, rodenticide gases and rodent control field equipment. All poison baits are prepared by the department and are sold virtually at cost.

BIRD CONTROL

This year seemed to be an especially bad one for bird damage. Many calls for information on bird control were received by this office. After inspections are made, control measures are recommended, if control seems practical and justified. State personnel are often called in on bird control problems. The poison baits and methods of control used by this office are those recommended by the U. S. Department of Agriculture, the Fish and Wildlife Service and the California Department of Agriculture.

WEED CONTROL

Certain weed pests resist normal cultural methods of control due to their vigorous growth habits. Such plants are declared to be noxious weeds in the Agricultural Code and are subject to abatement or special control measures. The

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Agricultural Commissioner is given the authority to prevent the spread of these noxious weeds by seed or otherwise, and also to require the control or eradication of established weed pests. Inspections are made of ranches, roadways, ditch banks and railroad rights-of-way for the presence of noxious weeds. When found, this department is instrumental in contacting parties concerned and in initiating control measures.

A special weed program has been in progress for the past nine 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

Noxious weed seeds may be readily disseminated in the planting of crop seed. This department, therefore, inspects the seed sold in this county for the presence of noxious weed seeds. 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.

A great number of 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 for compliance with all other quarantine regulations affecting such shipments. Whenever a shipment is found in violation, it is disposed of in accordance with the law.

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

APIARY INSPECTION

Apiary colonies are inspected periodically, to prevent the introduction and spread of diseases injurious to bees. This year an intensive inspection of all apiaries within the county was carried out. Colonies infected with American Foulbrood were treated to kill the bees and then burned in accordance with the 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 are issued and records of apiary movement permits are administered by this office.

AGRICULTURAL STATISTICS

Statistics are gathered by this department throughout the year as required by Section 65.5 of the California Agricultural Code. Through these statistics, a comprehensive report covering conditions, acreages, production and value of agricultural products of this county may be formed. These statistics give the farmer the

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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 office to collect evidence to aid the Bureau in their work. A comprehensive collection of facts enables the Bureau to make a fair readjustment 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 \$15,232.44 to producers of this county.

PUBLIC SERVICE

Even though the 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 in urban areas are frequent callers seeking information to rid their plants of insect pests and plant disease. In order to identify the pest and to make proper recommendations for control, many requests are followed by personal calls. In addition to serving the community better, this service allows the department to watch more carefully for the possible introduction of new plant pests into this area.

During the year, a great many telephone calls are received requesting information pertaining to other public agencies. This department endeavors to keep up 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 in addition to our regular duties. The activities are designed to facilitate the operation of this department and to extend to agriculturalists a more complete service.

In-Service Training

During 1956 a formal In-Service Training Program was initiated by this

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department. Instructions for all inspectors are held at regular intervals covering the current problems and procedures in the rapidly changing subjects with which the department is concerned. Written training programs supplementing the class work are printed by the department. Programs this year included Plant Quarantine, Nursery Inspection, Field and Orchard, Apiary, Pest Control and Administration and Supervision.

Identification of Insects, Diseases and Plants

Identification of plants and plant pests is an important function of this office. This function is closely related to plant quarantine, nursery inspection, field and orchard inspection, plant pest control and weed control. It is only after proper identification of plant pests that controls can be recommended. At times, if proper identification cannot be made, the specimen is sent to a taxonomist of the State Department of Agriculture.

Farm Meetings

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

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, 561 sycamore trees were treated with 12,100 gallons of light medium oil spray mixture.

Shop Work

Maintenance of trucks and weed control spray rigs of the Department is a

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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.

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. 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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1956 WEATHER

Weather conditions play an important part in our county's agriculture; therefore, a summary of our weather in 1956 is in order.

The December floods of 1955 destroyed some river bottom crops by prolonged submersion. Other lands were not planted to the crops planned due to the inability to prepare land at the proper time. We were fortunate in this county not to lose more orchard trees than we did.

Empire Island, containing 3,700 acres, was flooded, with most of the asparagus lost. When the levee was replaced and the water pumped out, a crop of corn was planted and the yield at harvest time was very good.

January and February were normal winter months with cool crisp weather and occasional rains. Mid-February realized some heavy frosts which held up fresh asparagus shipments temporarily and caused some almond smudging on early varieties.

The month of March had a few cold days in the first two weeks which required smudging in orchards for three mornings. March turned out to be a dry month which was detrimental to some crops. However, this weather was beneficial for the tree crops, such as: almonds, apricots and peaches that were blooming at this time. Some peach trees had an abnormal bud drop; however, the overall crop was larger than in 1955.

The balance of spring weather was very nice with a few showers in April and May. These showers were necessary for most crops, but there is always the exception where the rain caused damage to the first picking of strawberries and the early cherries.

The last of May and the month of June had excellent growing weather with warm days and balmy evenings. July and August had a few scattered hot days which caused a little sunburn to walnuts and grapes. By this time a majority of crops were as much as two weeks ahead of the 1955 season.

Our late summer and fall was very mild, allowing harvests to be completed under ideal conditions. This accounts for some of the excellent crop yields produced in San Joaquin County.

Our first rains came on September 19th, but very little damage was noted. The next two showers came the last of October.

The year ended fairly dry with November having no rain and December having less than one-half inch. This was not conducive to good pasture or grain growth, but we are hoping for rains after the first of the year.

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CROP SUMMARY

FRUIT AND NUT CROPS

Almonds

Yields this year will equal the 1955 crop even though we had some frost on February 17th and 27th and March 6th, 7th and 8th. Most of the growers have frost protection which makes for a more uniform yearly production in most cases. Sizes were small on some varieties, but this did not affect the overall tonnage. Some growers were hit with almond blast this year which caused some concern. Price wise, almonds have been an excellent crop the last two years.

Apricots

The crop was a little lighter this year for our county. However, there was a slight increase in price paid farmers, so this helped some in equalizing the returns. Except for a few tons that were dried, most of this year's crop again went to canneries.

Cherries

Acreage is still on the increase in this area for 1956. Our fresh shipments and processed tonnage have exceeded the totals of the last several years. Our early varieties suffered some rain damage from the shower we had on May 3rd. Shipping and processing prices were up slightly over 1955 with a larger percentage being processed. The first fresh shipment of cherries was made on May 30th. The overall quality for the season was very good.

Chestnuts

Quality of this year's crop was very good; however, some small sizes prevail. Returns to the farmers are up a little from the 1955 season.

Figs

The fig acreage in this county has become very small. Most of the fruit was shipped fresh this season to local and city markets.

Grapes

The harvest date was approximately two weeks ahead of 1955 with the Tokay shipments starting around August 24th in the Lodi area. There was a spotted yield in some areas but the overall yield was good and the price paid farmers was equal to 1955 or above. We had a fairly cool growing season which created quite a problem in mildew control. The sugar content was very good with the exception of a few early cases where they tried to rush the season. There was a small drop in juice grape acreage due to the removal of marginal vineyards.

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Olives

The returns to growers for 1956 was as good as last year, with a more normal production. This justifies a better year for the olive grower.

Peaches (Cling)

The harvest started earlier this season due to the ideal growing weather. The growers were troubled with a limited amount of brown rot and mildew plus an abnormal bud drop prior to blooming. The tonnage was up due to no green drop required by the Marketing Order. The quality and size was very good, but growers received much less for their peaches than was expected. The \$70.00 per ton advertised price was much higher than that actually received.

Peaches (Freestone)

The freestone growers realized better production this year with about similar prices paid in most cases. Their disease problems are similar to the cling growers.

Pears

There has been new interest shown in the growing of pears and it looks like some new acreage will be planted this year. The yields and prices were both good again this year. Nearly all the pears grown in this area are shipped to canneries.

Plums

The fresh plum shipments this year exceeded 1955. This was attributed to an exceedingly good crop. However, there was an excess of small sizes that were not marketable.

Walnuts

The prices paid by independent buyers this year was considerably lower than those paid in 1955. However, from all indications it looks as though the growers that belong to the Walnut Association will receive more per pound for their walnuts than those selling independently. The growers were plagued with aphids throughout most of the season. The quality fluctuated from excellent to poor depending on the condition of the trees and the care they received.

FIELD CROPS

Alfalfa

The growers had a mild growing season for their alfalfa, but were certainly plagued with insects. Early in the season the pea aphid was quite heavy; then,

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later on the striped army worm came along. Our biggest problem this season was the spotted alfalfa aphid which really started to take hold in August and continued until late fall. In quite a few areas it was necessary to spray to control the aphid; in others, cutting in time kept them in check. With all our pests, the yield was about the same for the season due to the long dry fall.

Beans

The spider mite problem this year was about the same as usual with some spraying and dusting needed. The late dry fall allowed all beans to be harvested. The yield will be up slightly and the price down, so, all in all, it will equalize with the 1955 season.

Field Corn

The corn acreage in this county is still on the increase. This was an excellent growing year, as can be seen by the increase in yields. There was also a slight boost in price.

Potatoes

The potato growers this year had an excellent market. The price started high and held well until late in the season. The yield was about the same as 1955 and the quality was very good.

Rice

With the long dry fall, farmers were able to harvest all their rice acreage, which made for an increase in yields. The demand for rice wasn't as good this season, which accounts for the drop in price.

Sugar Beets

The receipts by growers was a little higher this year. In some cases the sugar content was low, but the yield stayed about the same. There was an increase in acreage over the 1955 plantings.

Sunflowers

A quality of 80% Large was produced in some areas, which gives us a little better price this year. However, there was some moth damage and it was necessary to spray in some cases.

Sweet Potatoes

Due to the cool growing weather, sweets did not size too well, accounting for not too large a yield. Price was about the same as the 1955 crop.

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VEGETABLE CROPS

Asparagus

Growers shipped more fresh asparagus this season than in 1955. The season started quite slow with the frosts interrupting cutting. This put the peak of asparagus shipments near the end of March. There was a drop in process tonnage and prices paid for processed and fresh asparagus was slightly lower. Fresh asparagus shipments stopped the last of April with the balance of the seasons supply going to the processors.

Carrots

The acreage and yields were up this season. The larger yields were due to a decline in price and growers were waiting for a price increase before digging. The price received by growers this season was lower than last year.

Celery

There was another drop in celery acreage this year. The early shipments realized a poor price; however, as the season progressed, the prices increased. The year ended with good prices being received, so the final average will be better than 1955. The growers were plagued with frosts during the month of December, accounting for the small heads of celery being packed.

Melons

The melons had a tough time becoming established this season, but as the season progressed, the harvest time was near normal. The yields were fair this year, with the prices paid slightly higher on most varieties. However, watermelons fell down a little. The only melons that fell below last year's acreage were honeydews and watermelons.

Onions

There was another decline in onion acreage this year, due to excessive moisture at planting time. This was more than compensated for by the good yields and the excellent prices received for the early plantings. The later plantings unfortunately did not bring the high prices the early plantings enjoyed. The excellent demands on the early onions was due to a shortage in the United States market.

Peas

Except for a few peas planted for seed, the bulk went to processors again this season. Yield, price and acreage made a slight increase again this year.

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Spinach

The yields were down some from our record year due to the inability of processors to remove all foreign materials. The acreage was also down some because of a small percentage of spinach being flooded out.

Strawberries

There was another increase of 300 acres, bringing our bearing acreage to a new high of 1572 acres. The growers were plagued during the first picking by rain which caused some loss by rot. Processors received the bulk of the berries produced again this season. The discouraging factor confronting the growers was the drop in price.

Tomatoes

One of our largest acreages in the history of the county was planted this year. Although there were the usual problems in growing tomatoes, such as insects and diseases, the overall yield was good. The reason for such good yields was the long mild fall and most all harvesting was complete before the frosts came. The quality stood up very well throughout the season. Prices paid for round and pear tomatoes was the same as for the 1955 season.

SAN JOAQUIN COUNTY 1956
AGRICULTURAL COMMISSIONER'S REPORT

FRUIT AND NUT CROPS

CROP	BEARING ACREAGE	PRODUCTION			F. O. B. VALUE	
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Almonds	8,694	.80	6,955	Ton	\$ 780.00	\$ 5,424,900
Almond Hulls		1.00	8,694	Ton	10.00	86,940
Apricots	1,109	5.31	5,888	Pkg.	1.50	8,832
Ship. Proc.		5.69	6,321	Ton	109.30	690,885
Dried		.04	47	Ton	840.00	39,690
Cherries	1,051	6.31	6,628	Ton	220.00	1,458,160
Other Cherries		2.25	6,239	Ton	498.00	3,107,022
Cherries	2,764	1.08	2,995	Ton	220.00	658,900
Chestnuts	78	.97	76	Ton	280.00	21,280
Figs	85	126.40	10,750	Flats	2.04	21,930
Grapes	26,203	1.19	31,224	Ton	105.00	3,278,520
Juice		5.30	138,876	Ton	35.00	4,860,660
Grapes Tokay	21,783	207.66	4,523,657	Pkg.	1.70	7,690,217
Ship. Wine		5.17	112,618	Ton	30.00	3,378,540
Grapes All other	1,292	42.80	55,289	Pkg.	1.80	99,520
Ship. Wine		6.16	8,734	Ton	35.00	305,690
Misc'l Orchards	292			Acre	250.00	73,000
Nectarines	126	532.00	67,032	Pkg.	1.40	93,845
Olives	377	1.85	699	Ton	206.15	143,893
Peaches Free	1,756	146.00	257,120	Pkg.	1.25	321,400
Ship. Proc.		9.88	17,349	Ton	63.50	1,101,662
Dried		.26	,464	Ton	480.00	222,720
Peaches Cling	5,272	11.50	60,602	Ton	70.00	4,242,140
Proc. Pickles		.42	2,223	Ton	35.00	77,805
Pears	74	46.2	3,424	Pkg.	1.75	5,992
Ship. Proc.		13.4	991	Ton	78.25	77,546
Plums	758	260.00	197,415	Pkg.	2.20	434,313
Ship. Proc.		.05	38	Ton	200.00	7,600
Prunes	93	191.00	17,816	Pkg.	2.20	39,195
Ship. Proc.		.80	75	Ton	200.00	15,000
Walnuts	12,908	.78	10,068	Ton	437.00	\$ 4,399,712
TOTAL						\$42,387,509

SAN JOAQUIN COUNTY 1956
AGRICULTURAL COMMISSIONER'S REPORT

FIELD CROPS

CROP	BEARING ACREAGE	PRODUCTION			F. O. B. VALUE	
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Alfalfa Hay	68,802	6.40	440,333	Ton	\$ 25.90	\$11,404,625
Barley	49,979	23.60	1,179,504	Cwt.	2.47	2,913,375
Beans, Dry	14,030	17.26	242,158	Cwt.	7.75	1,876,725
Corn, Grain	26,020	2.52	65,570	Ton	59.30	3,888,301
Corn, Husks			160	Ton	900.00	144,000
Grain, Sorghum	7,460	2.58	19,247	Ton	53.75	1,034,526
Hay, Grain	8,251	1.65	13,614	Ton	20.50	279,087
Hay, Wild	6,187	1.15	7,115	Ton	20.00	142,300
Oats	9,840	8.26	81,278	Cwt.	2.80	227,578
Range	192,524			Acre	4.00	770,096
Clover	87,098			Acre	45.00	3,919,410
Pasture Sudan grass	1,923			Acre	30.00	57,690
Stubble	75,658			Acre	1.25	94,573
Potatoes	7,070	314.00	2,219,980	Cwt.	3.45	7,658,931
Pumpkin - Canning	467	18.23	8,513	Ton	8.50	72,360
Rice	9,186	39.30	361,009	Cwt.	4.10	1,480,137
Silage, Corn	5,470	20.75	113,503	Ton	6.75	766,145
Sugar Beets *	14,048	20.80	292,198	Ton	13.50	3,944,673
Sunflowers	3,065	14.50	44,442	Cwt.	7.25	322,205
Sweet Potatoes	1,206	180.00	217,080	Bskt.	3.25	705,510
Wheat	7,351	18.44	135,552	Cwt.	3.53	478,499

TOTAL \$42,180,746

*Includes Federal Subsidy

SAN JOAQUIN COUNTY 1956
AGRICULTURAL COMMISSIONER'S REPORT

VEGETABLE CROPS

CROP	BEARING ACREAGE	PRODUCTION			F. O. B. VALUE			
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL		
Asparagus	Ship. Proc.	58,135	20.05	1,166,062	30#			
			.83	48,226	Pkg. Ton	\$ 4.73 209.69	\$ 5,515,473 10,112,510	
Beets, Table		95	20.20	1,919	Ton	24.25 46,536		
Broccoli		261	1.90	496	Ton	150.00 74,400		
Cabbage		142	284.00	40,328	Pkg.	1.70 68,558		
Cauliflower		11	308.00	3,388	Pkg.	1.37 4,642		
Carrots		878	20.30	17,823	Ton	22.50 401,018		
Celery		1,488	625.00	930,000	Pkg.	2.35 2,185,500		
Corn, Sweet		586	215.00	125,990	Pkg.	1.80 226,782		
Cucumbers		371	9.20	3,412	Ton	51.15 174,575		
Garlic		3	100.00	300	Cwt.	18.00 5,400		
Lettuce		197	275.00	54,175	Pkg.	2.15 116,476		
Melons			183	14.00	2,562	Ton	55.45 142,063	
			Cranshaw	135	190.00	25,650	Pkg.	2.25 57,713
			Casaba	353	8.10	2,859	Ton	20.10 57,466
			Honeydew	170	6.50	1,105	Ton	33.55 37,073
			Persian	20	7.15	143	Ton	43.35 6,199
Watermelon	1,406	12.30	17,294	Ton	18.95 327,721			
Onions	Early Late	930 425	810.00	753,300	50# Sk.	3.35 2,523,555		
			750.00	318,750	Sk.	1.40 446,250		
Peas	Proc.	1,840	1.62	2,981	Ton	75.00 223,575		
Peppers		426	9.00	3,834	Ton	59.80 229,273		
Spinach		684	5.26	3,598	Ton	22.50 80,955		
Squash		749	9.20	6,891	Ton	14.90 102,676		
Strawberries		1,572	985.00	1,548,420	Crate	1.70 2,632,314		
Boysenberries		78	5.55	433	Ton	200.00 86,600		
Tomatoes	Ship Round Pear	48,520 1,323	27.22	1,320,600	Pkg.	2.35 3,103,410		
			20.95	1,016,494	Ton	22.50 22,871,115		
			18.20	24,079	Ton	27.50 662,173		
Truck Garden Misc'l Vegetables		1,055			Acre	500.00 527,500		
TOTAL						\$ 53,049,501		

SAN JOAQUIN COUNTY 1956
 AGRICULTURAL COMMISSIONER'S REPORT
 SEED CROPS

CROP	BEARING ACREAGE	PRODUCTION			F. O. B. VALUE	
		PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Alfalfa Seed	1,575	395	622,125	Lb.	\$.283	\$ 176,061
Asparagus Roots	573			Acre	600.00	343,800
Asparagus Seed			3,000	Lb.	2.00	6,000
Beans:						
Certified Seed: *						
Light Red Kidney	5,239					729,413
Dark Red Kidney	1,012					141,680
Other	258					37,452
Cantaloupe Seed	15	295	4,425	Lb.	.32	1,416
Cucumber Seed	14	296	4,144	Lb.	.33	1,368
Ladino Clover Seed	1,720	191	328,520	Lb.	.466	153,090
Nursery, Trees and Vines						300,500
Nursery other						165,500
Onion Seed	42	635	26,670	Lb.	.90	24,003
Popcorn Seed	18	3,000	54,000	Lb.	.06	3,240
Potato Seed	240	314	75,360	Cwt.	3.45	259,992
Pea Seed	475	2,500	1,187,500	Lb.	.04	47,500
Safflower Seed	245	700	171,500	Lb.	.035	6,003
Sudan Grass Seed	805	1,500	1,207,500	Lb.	.065	78,488
Table Beet Seed	18	555	9,990	Lb.	.17	1,698
Watermelon Seed	20	300	6,000	Lb.	.34	2,040
Other Seed Crops						15,500

TOTAL \$2,494,744

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

SAN JOAQUIN COUNTY 1956
AGRICULTURAL COMMISSIONER'S REPORT

PERMANENT CROPS

CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE	CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE
ALMOND			GRAPES (Raisin)		
Drake	10	230	Muscat	2	145
I X L	0	70	Thompson Seedless	96	593
Jordanola	70	675	Zante Currant	<u>0</u>	<u>11</u>
Mission	377	3,045	Total	98	749
Ne Plus Ultra	40	509	GRAPES (Table)		
Non Pareil	1,245	3,835	Cardinal	0	39
Peerless	26	298	Concord	0	7
Other	<u>279</u>	<u>32</u>	Emperor	0	119
Total	2,047	8,694	Malaga	0	67
APPLES			Ribier	0	125
Astrachan	1	10	Tokay	319	21,783
Golden Delicious	0	1	Other	<u>12</u>	<u>186</u>
Other	<u>0</u>	<u>2</u>	Total	331	22,326
Total	1	13	GRAPES (Wine)		
APRICOTS			Alicante	8	3,550
Blenheim & Royal	262	681	Burger	0	814
Moorpark & Hemskirk	0	8	Carignane	154	6,499
Tilton	385	416	Colombar	0	20
Other	<u>25</u>	<u>4</u>	F. Reisling	0	16
Total	672	1,109	Golden Chasselas	0	77
CHERRIES			Grenache	159	936
Bing	1,176	1,771	Mataro	0	35
B Republican	4	25	Mission	47	1,428
Chapman	4	144	Palomino	0	947
Lambert	84	225	Petite Sirah	0	353
Royal Ann	296	1,051	Sauvignon Blanc	0	23
Tartarian	90	523	Zinfandel	23	10,596
Other	<u>165</u>	<u>80</u>	Other White	0	140
Total	1,819	3,819	Other Dark	<u>68</u>	<u>759</u>
CHESTNUTS (All)			Total	459	26,193
FIGS	0	78	331 98 3288		
Black	0	20	NECTARINES		
Kadota	<u>0</u>	<u>65</u>	John Rivers	112	58
Total	0	85	Other	<u>112</u>	<u>68</u>
OLIVES			Total	144	126
Ascolano	0	32	NECTARINES		
Manzanillo	23	194	John Rivers	112	58
Mission	0	116	Other	<u>112</u>	<u>68</u>
Other	<u>5</u>	<u>35</u>	Total	144	126
Total	28	377	OLIVES		

SAN JOAQUIN COUNTY 1956
AGRICULTURAL COMMISSIONER'S REPORT

<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	22	132	Bartlett	156	72
Carolyn	155	98	Beurre Hardy	0	1
Corona	80	54	Winter Nelis	0	1
Cortez	231	153			
Fortuna	69	134	Total	156	74
Gaume	227	950	PERSIMMONS (All)		
Gomes (Stuart)	190	485		0	3
Halford	629	1,337	PLUMS		
Hauss	0	10	Beauty	0	2
Johnson	0	102	Burbank	0	7
Libee	0	49	Duarte	34	105
Palora	327	1,000	Grand Duke	0	1
Peak	21	155	Kelsey	0	3
Petersen	19	37	President	14	51
Phillips	0	133	Santa Rosa	65	244
Shasta	28	51	Santa Rosa	14	223
Sims	1	17	Tragedy	139	122
Stanford	25	146	Other		
Sutter	18	34			
Vivian	174	9	Total	266	758
Walton	0	53	PRUNES		
Other	195	133	French	0	8
Total	2,411	5,272	Robe De Sergeant	0	5
PEACHES (Free)			Sugar	0	76
Babcock	3	3	Other	0	4
Early Elberta	1	0	Total	0	93
Elberta	202	843	QUINCES (All)		
Fay Elberta	534	131		0	1
J. H. Hale	7	110	WALNUTS		
Kim Elberta	12	37	Concord	7	43
Late Hale	5	65	Eureka	483	3,189
Lovell	0	202	Franquette	144	3,325
Muir	0	99	Hartley	534	660
Nector	18	8	Mayette	1	674
Red Haven	20	18	Payne	553	4,682
Rio Oso Gem	72	145	Placentia	0	86
Salway	0	6	Other	352	290
Other	43	89	Seedling	426	10
Total	917	1,756	Total	2,500	12,908
			BLACK WALNUTS		
				927	265
			ASPARAGUS		
				2,290	58,135
			STRAWBERRIES		
				267	1,572

SAN JOAQUIN COUNTY 1956
 AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF FRUIT AND NUT CROPS AT FIVE-YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1941	YEAR 1946	YEAR 1951	YEAR 1956
Almonds	4,354	6,976	8,801	8,694
Apples	33	36	12	13
Apricots	1,572	1,958	1,161	1,110
Cherries	4,113	3,987	3,589	3,815
Chestnuts	164	150	116	78
Figs	520	510	410	85
Grapes, Juice	31,707	31,764	32,992	26,203
Grapes, Raisin	991	988	847	749
Grapes, Table	1,386	1,231	911	543
Grapes, Tokay	17,198	18,471	22,613	21,783
Olives	129	186	86	377
Nectarines	350	351	348	126
Peaches, Cling	3,205	5,133	5,634	5,272
Peaches, Free	2,922	3,239	2,185	1,756
Pears	127	142	90	74
Persimmons	13	14	8	3
Plums	1,287	1,134	1,088	758
Prunes	880	725	101	93
Walnuts	9,197	9,591	11,745	12,908

SAN JOAQUIN COUNTY 1956
 AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF FIELD CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1941	YEAR 1946	YEAR 1951	YEAR 1956
Alfalfa hay	44,756	47,632	54,376	68,802
Barley	54,683	86,116	69,915	49,979
Beans, All	30,165	18,128	19,780	14,030
Corn, Grain	26,418	14,373	11,555	26,020
Flax Seed	0	55	0	0
Grain, sorghum	13,173	4,220	4,091	7,460
Hay, grain	14,043	20,355	7,243	8,251
Hay wild	33,341	23,892	14,009	6,187
Oats	2,526	10,432	8,053	9,840
Pasture, Range	240,000	229,358	210,638	192,524
Pasture, Ladino clover	18,211	37,585	76,559	87,098
Pasture, Sudan grass	3,693	2,638	1,597	1,923
Potatoes, All	7,978	4,661	4,935	7,070
Pumpkins	763	1,147	918	467
Rice	3,086	3,242	8,194	9,186
Silage Corn	2,357	836	1,156	5,470
Sugar Beets	14,671	6,894	10,961	14,048
Sunflowers	5,467	2,440	1,897	3,065
Sweet Potatoes	2,055	1,760	1,281	1,206
Wheat	29,101	18,642	5,188	7,351

SAN JOAQUIN COUNTY 1956
AGRICULTURE COMMISSIONER'S REPORT

THE TREND OF VEGETABLE CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1941	YEAR 1946	YEAR 1951	YEAR 1956
Asparagus	34,192	45,521	53,572	58,135
Beets, table	0	56	43	95
Broccoli	153	21	29	261
Cabbage	100	92	71	142
Cauliflower	100	42	33	11
Carrots	533	1,029	379	878
Celery	5,286	6,687	3,727	1,488
Corn, sweet	428	246	531	586
Cucumbers	0	412	133	371
Garlic	20	5	3	3
Lettuce	134	97	137	197
Melons, All	2,279	3,152	3,489	2,267
Onions	1,449	2,413	2,330	1,455
Peas	2,304	3,336	1,055	1,840
Peppers	43	43	180	426
Spinach	734	1,270	898	684
Squash	178	326	293	749
Strawberries	166	67	408	1,572
Tomatoes, round	5,982	28,664	41,549	48,520
Tomatoes, pear	11,727	2,204	2,037	1,323

SAN JOAQUIN COUNTY 1956
 AGRICULTURAL COMMISSIONER'S REPORT

APIARY PRODUCTS

Honey	770,880	Lbs.	@	.125		\$ 96,360.00
Bees Wax	12,490	Lbs.	@	.58		7,244.00
Queen Bees	3,200	Queens	@	1.00		3,200.00
Pollenization	10,580	Colonies	@	2.15		<u>22,747.00</u>
Total						\$ 129,551.00

DAIRY PRODUCTS

Milk and Milk Products		Total		\$ 16,874,000.00
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LIVESTOCK

Beef Cattle and Calves		\$ 15,275,565.00
Hogs		1,342,947.00
Sheep and Wool		<u>2,647,025.00</u>
Total		\$ 19,265,537.00

POULTRY

Chickens		\$ 1,334,311.00
Eggs		2,286,992.00
Turkeys		<u>854,518.00</u>
Total		\$ 4,475,821.00

SUMMARY

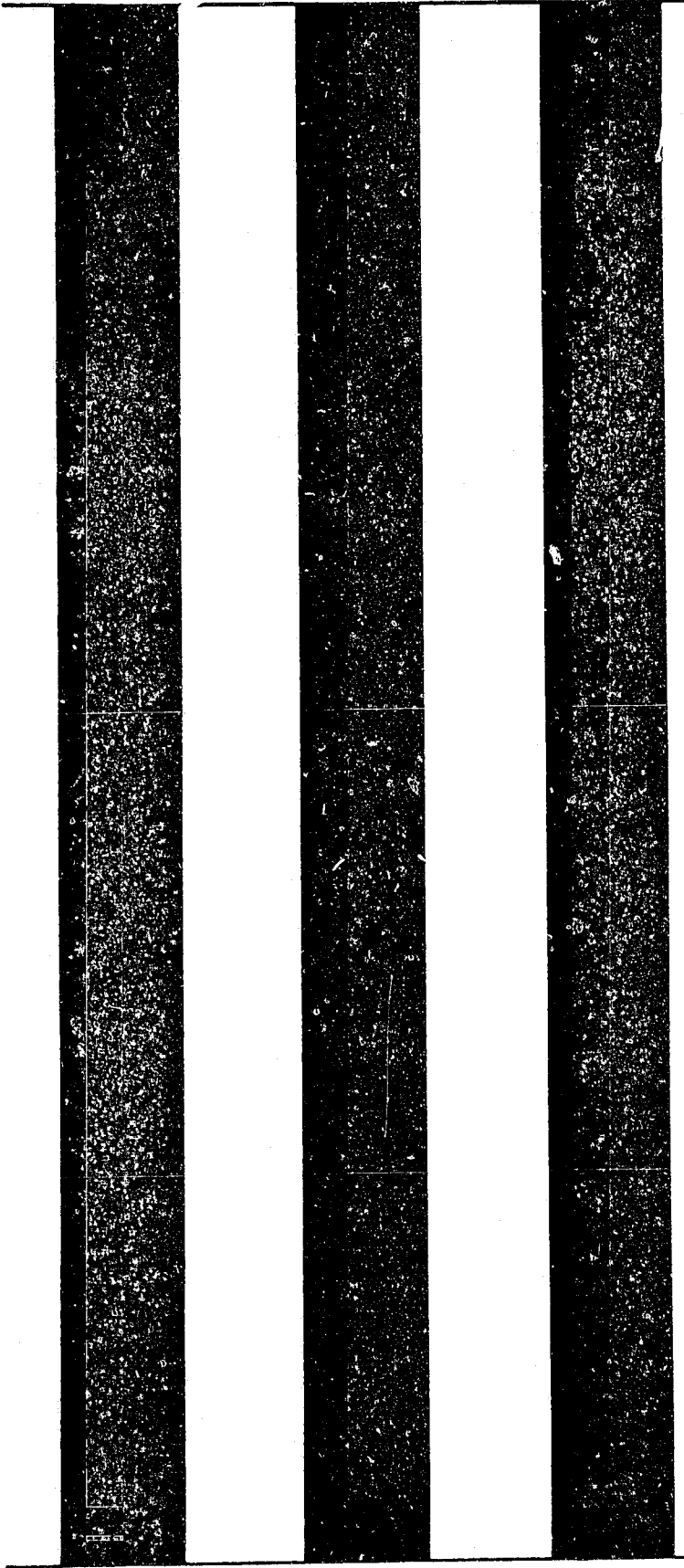
Fruit and Nut Crops		\$ 42,387,509.00
Field Crops		42,180,746.00
Vegetable Crops		53,049,501.00
Seed Crops		2,494,744.00
Apiary Products		129,551.00
Dairy Products		16,874,000.00
Livestock		19,265,537.00
Poultry Products		<u>4,475,821.00</u>
Grand Total		\$ 180,857,409.00

SAN JOAQUIN COUNTY 1956
 AGRICULTURAL COMMISSIONER'S REPORT
 ANNUAL EXPENDITURES

Administration	\$ 29,503.12
Plant Quarantine	21,412.05
Fruit, Nut, Vegetable, Honey and Egg Standardization	22,361.09
Field and Orchard Inspection	21,226.31
Nursery Inspection	2,272.26
Seed Inspection	3,536.78
Rodent Control	19,455.71
Weed Control	28,888.72
Apiary Inspection	967.43
Crop Statistics	12,934.62
Gardener & Janitor	<u>6,684.00</u>
	\$169,242.09
Capital Outlay	<u>9,426.91</u>
Total	\$178,669.00

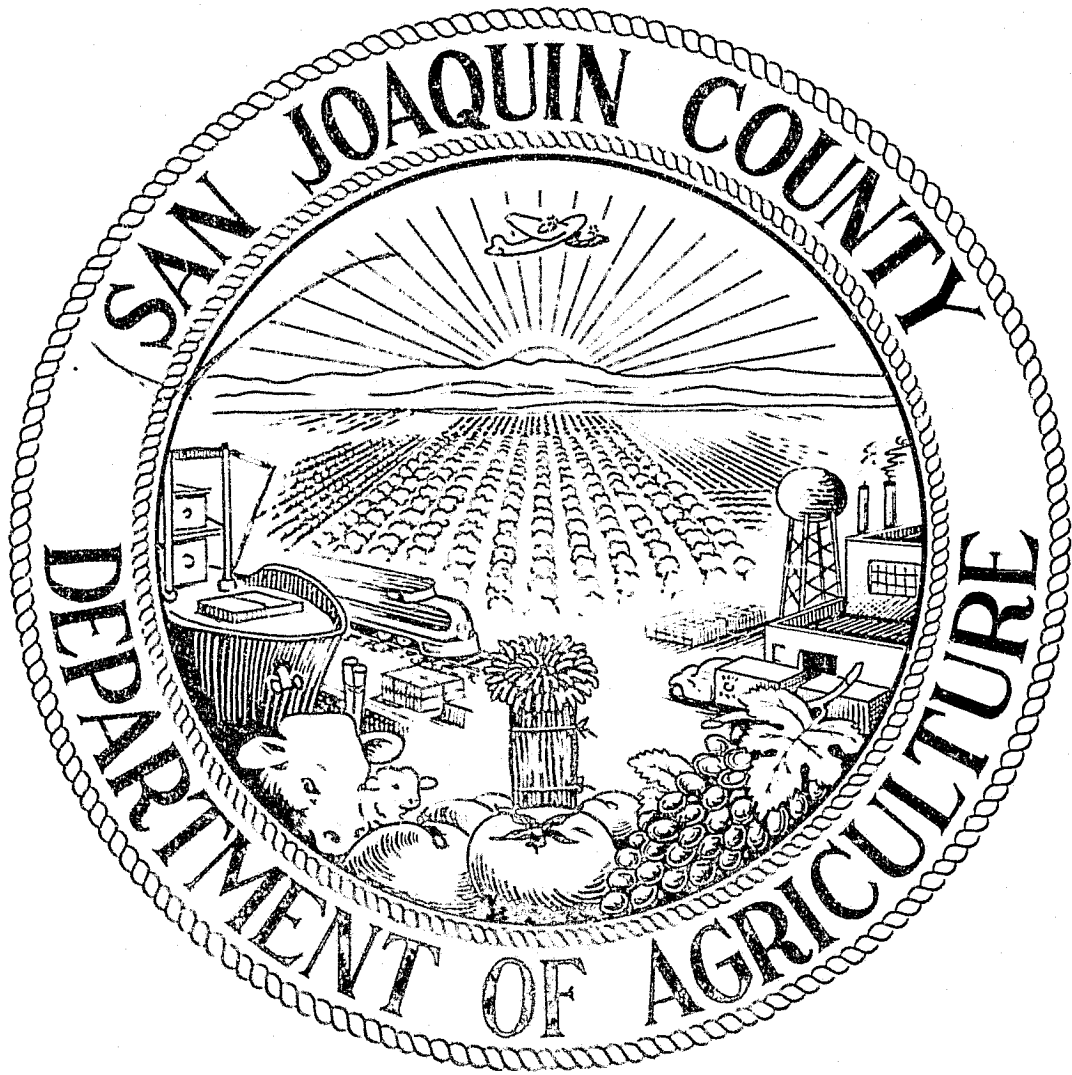
SPECIAL WEED CONTROL

Salaries and Wages	\$ 33,718.13
Maintenance and Operation	18,528.43
Capital Outlay	<u>1,950.13</u>
	\$ 54,196.69

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1957

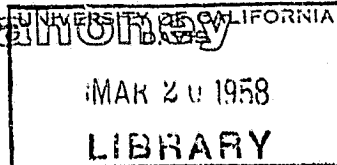
1957



Agricultural Report

Agricultural Commissioner

Austin E. Mahoney



LODI OFFICE
210 N. SACRAMENTO STREET

MANTECA OFFICE
392 S. 99 HIGHWAY

TRACY OFFICE
CITY HALL

SAN JOAQUIN COUNTY

Department of Agriculture

AUSTIN E. MAHONEY
AGRICULTURE COMMISSIONER

1868 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA

POST OFFICE BOX 1809
TELEPHONE HO 6-6806

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-fourth 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. The 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,

Austin E. Mahoney
AGRICULTURAL COMMISSIONER

PERSONNEL

STOCKTON OFFICE 1868 East Hazelton Street HOward 6-6806

Austin E. Mahoney	Agricultural Commissioner
Allen L. Bugbee	Deputy Commissioner
Mark A. Huberty	Deputy - Calaveras District
Kenneth W. Jones	Deputy - Linden District
John U. Odelberg	Stockton District
John R. Solari	Roberts Island District
R. Dale Odneal	Standardization
James K. Mahoney	Deputy - In-Service Trainer
Richard E. DeVol	Deputy - Grain and Seed Inspection
David A. Thompson	Grain and Seed Inspection
Mark G. Huffaker	Grain and Seed Inspection
Marvin J. Switzenberg	Weed Control Supervisor
Johannes L. Joos	Entomologist
D. V. Widney	Warehouse
Elna Benjamin	Bookkeeper and Stenographer
Geraldine Hodge	Stenographer Clerk
Dorothy Parks	Typist Clerk

LODI OFFICE 210 North Sacramento Street ENdicott 8-2757

George J. Stipe	Deputy Commissioner
Paul Switzenberg	Thornton District
Leslie G. Todd	Deputy - Victor District
Franklin H. Newhall	Lockeford-Clements District
Jack B. Gianelli	Terminus District
Ethel Kenny	Typist Clerk

MANTECA OFFICE 392 South 99 Highway TALbot 3-3221

Nicholas J. Wolter	Supervising Inspector
Walton A. Bauer	Deputy - French Camp District and Manteca District
Joseph F. Silva	Deputy - Escalon District

TRACY OFFICE Tracy City Hall TERminal 5-2211

Aage R. Tugel	Deputy Commissioner
Wilfred A. McDaniel	Deputy - South Tracy District

STOCKTON REPAIR SHOP

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

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AGRICULTURAL COMMISSIONER'S REPORT

The San Joaquin County Department of Agriculture was the first county office established in this county with the exception of the legislative and judicial offices required by law. The Board of Supervisors of San Joaquin County in 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 the Horticultural Commissioner of San Joaquin County.

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 purposes 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; apiary inspection and poultry meat classification. These various duties are outlined very briefly as follows:

PLANT QUARANTINE

The purpose of Plant Quarantine is to prevent the introduction into or the spread within an area of pests -- noxious weeds, plant diseases, insects or other animal pests detrimental to the agricultural industry of California. The plant quarantine laws are indispensable when you consider the many insects and other plant pests found in other parts of the United States which have not yet been introduced into California.

San Joaquin County, since it is so highly diversified in its crop production, is particularly vulnerable to a great number of these plant pests. For this reason, plant quarantine is probably more important to this county than any other county in the state.

Maximum protection is provided by the County Department of Agriculture 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. This involves inspection at all post offices, freight lines, express companies, ships and transportation lines and inspection of all plant material and conveyances which may carry plant pests. Whenever shipments are found in violation, disposition of such plant material is either by treatment or destruction under the supervision of the inspector or return to the place of origin.

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PLANT CERTIFICATION

Many times other states or foreign countries require certification as to pest conditions of plant material from the point of origin. After a thorough inspection of the material in such shipments, this office issues the required certificates. Throughout the year, many phytosanitary and fumigation certificates were issued to accommodate persons wishing to ship plant material to foreign countries. In addition to this, all interstate shipments were inspected and, if found free of serious pests, the shipments were certified.

POSTENTRY INSPECTION

Certain foreign plant materials are permitted entry into the United States under the Federal Nursery Stock, Plant and Seed Quarantine, No. 37, with certain restrictions, including an approved growing ground for postentry inspection. These postentry properties are inspected by our office personnel prior to federal releases of plants to ascertain if the proper exclusion facilities are available to protect existing plants.

PLANT DISEASE AND INSECT SURVEYS

During the year, a number of formal 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 future 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 insect and plant disease pests may be determined. One of the plant disease pest surveys conducted by the department this year was for Chestnut Blight. Some insects under survey were the Cherry Fruit Fly, Mediterranean Fruit Fly, Khapra Beetle, Walnut Husk Fly, Spotted Alfalfa Aphid, Melon Fly, Japanese Beetle and Oriental Fruit Fly.

Detection surveys for all new plant disease and insect pests are carried on constantly by all of our inspectors and deputies. This eliminates the need for many formal surveys.

NURSERY INSPECTION

Nursery stock, including trees and plants used for the production of our food crops or to decorate our gardens, may carry serious agricultural pests. It, therefore, 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.

All nurseries are inspected at frequent intervals for the presence of plant pests. Involved in this work is the careful examination of large numbers of each variety of plants and the premises where the plants are grown.

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ORCHARD AND FIELD

Under the provisions of the Agricultural Code, this office makes inspections of various orchards, vineyards, vegetable and field crops throughout the county to determine the extent of damage of established pests and the methods used for their control. The information gathered from such inspections enables this office to properly evaluate the new pesticide materials and to make accurate recommendations for the control of pests found.

PEST CONTROL OPERATIONS

Commercial pest control operations are carried out in San Joaquin County in accordance with the provisions of the Agricultural Code. Commercial pest control operators must register with this office before they can carry on work in this county and report monthly all work performed in this county. Complete records of such operations are maintained throughout the year by this department. There were 22 aircraft and 61 ground rig operators registered during 1957 in San Joaquin County.

The Administrative Code lists several chemicals as injurious insecticides. These materials are arsenic, TEPP, parathion, Methyl parathion, EPN, OMPA (Schradan), Systox, (Demeton), Guthion, Chipman 6199 and Phosdrin. According to the law, before these materials may be purchased or applied, a permit must be obtained from the Department. The regulations and safety precautions are fully explained to the person applying for the permit. By this method, the applicant and the neighbors are provided protection. In San Joaquin County during 1957, 796 permits covering 45,916 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 purchase or application of the material. During 1957, 493 permits were issued covering 63,525 acres in San Joaquin County.

Equipment to be used for applying this injurious herbicide is checked by our inspectors for compliance with State and County regulations. Wind velocity, nozzle size, pressure and gallons per acre must meet certain requirements before the materials can be applied.

STANDARDIZATION

Standardization of eggs, honey, nuts, poultry and rabbit meat and thirty-two different fruits and vegetables is authorized under Chapter 2, Division 5, of the Agricultural Code. The commodities must comply with the standards specified in the Code. Also included is a general regulation on mold, decay and insect damage on all fresh fruits and vegetables.

The enforcement of these standardization laws is the responsibility of

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this office. Inspectors visit packing houses, wholesale and distributing establishments and retail stores and markets daily to examine representative samples to determine if all of the provisions of the Code are complied with as to quality and condition. Whenever produce is found in violation, a notice of violation is issued to persons concerned by the inspector and instructions for reconditioning the commodity are given. When the produce has been properly reconditioned, it is released for sale by the inspector.

To facilitate the movement of produce past state inspection stations, 3262 Standardization Inspection Certificates were issued this year. This insures the recipient at destination produce that conforms at least with the minimum California Standardization law requirements at time of inspection. Since San Joaquin County is a heavy exporter of fruits and vegetables, the issuance of these certificates represents an important service to growers and shippers of this county alike.

This office, in addition to the enforcement of the standardization laws, inspects certain fruit to see that it conforms to the requirements of the Fresh Peach and Plum Advisory Board. A total of 63,165 packages of peaches and 16,364 packages of plums were inspected and certified during 1957 under this marketing order.

Section 771 of the Agricultural Code requires that wineries purchasing grapes on a sugar content basis must have an official test made on each load of grapes delivered to the winery. This year three wineries had official tests made by the department.

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 of property owners by this department and, if necessary, abatement procedure is carried out to protect other properties. To further facilitate the control 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 prepared by the Agricultural Department 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.

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WEED CONTROL

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

Whenever the seed of a noxious weed may be carried from a field in which a crop is being grown, when that crop is harvested a hold notice is placed on that field. This notice requires the owner to abate the pest or to handle the infested material only with special precautions.

A special weed program has been in progress for the past ten 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

Noxious weed seeds may be readily disseminated in the planting of crop seed. This department, therefore, inspects the seed sold in this county for the presence of noxious weed seeds. 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.

A great number of lots of grain and hay are transported into this county for livestock feed, export and other uses other than planting. These lots are inspected for the presence of noxious weed seeds and for compliance with all other quarantine regulations affecting such shipments. Whenever a shipment is found in violation, it is disposed of in accordance with the law. Over 12,000 shipments of grain were inspected in 1957 for the presence of noxious weeds.

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

APIARY INSPECTION

Apiary colonies are inspected periodically to prevent the introduction and spread of diseases injurious to bees. This year an intensive inspection of

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all apiaries within the county was carried out. Colonies infected with American Foulbrood were treated to kill the bees and then burned in accordance with the 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 are issued and records of apiary movement permits are administered by this office.

AGRICULTURAL STATISTICS

Statistics are gathered by this department throughout the year as required by Section 65.5 of the California Agricultural Code. Through these statistics, a comprehensive report covering conditions, acreages, production and value of agricultural products of this county may be formed. These statistics give the farmer the 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 of the State Department of Agriculture 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 office to collect evidence to aid the Bureau in their work. A comprehensive collection of facts enables the Bureau to make a fair readjustment 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 \$21,124.27 to producers of this county.

PUBLIC SERVICE

Even though the 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 in urban areas are frequent callers seeking information to rid their plants of insect pests and plant disease. In order to identify the pest and to make proper recommendations for control, many requests are followed by personal calls. In addition to serving the community better, this service allows the department to watch more carefully for the possible introduction of new plant pests into this area.

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

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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 in addition to our regular duties. The activities are designed to facilitate the operation of this department and to extend to agriculturalists a more complete service.

In-Service Training

During 1956 a formal In-Service Training Program was initiated by this department. Instructions for all inspectors are held at regular intervals covering the current problems and procedures in the rapidly changing subjects with which the department is concerned. Written training programs supplementing the class work are printed by the department. Programs this year included Plant Quarantine, Nursery Inspection, Field and Orchard, Apiary, Pest Control, Standardization and Seed Inspection.

Identification of Insects, Diseases and Plants

Identification of plants and plant pests is an important function of this office. This function is closely related to plant quarantine, nursery inspection, field and orchard inspection, plant pest control and weed control. It is only after proper identification of plant pests that controls can be recommended. At times, if proper identification cannot be made, the specimen is sent to a taxonomist of the State Department of Agriculture.

Farm Meetings

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

Photographic Work

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

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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

This year, this department sprayed the county Modesto ash trees for the ash aphid in order to prevent losses. Seven hundred ash trees were treated with 1200 gallons of Malathion 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.

Weather Reports

Weather reports are sent to the United States Weather Bureau and the State Department of Agriculture 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. 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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1957 WEATHER

The weather picture as it affects agriculture is ever changing and the 1957 season was no exception. The winter rains finally made their appearance in January. They persisted throughout the spring and our last rains came in the first week of June. These rains were beneficial to a great number of our grain and dry land crops and was adequate to mature crops depending on Spring rains. However, these rains caused variable damage to almonds and fruit crops during their blooming period. Also, considerable damage was caused to the early varieties of cherries during their harvest, and then hit the Bings and Royal Ann cherries just prior to picking time.

The frost danger period on almonds during the month of March was no problem this year as only one morning was really cold enough to require some smudging.

Some scattered hot days during the early summer caused damage to the first tomato blooms and some first set tomato fields were very light on their first picking. There was some sunburn damage to walnuts and tomatoes this season, which is another factor that helped contribute to the lighter crops.

The feeling of fall weather came early this year with warm weather ending around mid-September. Our first fall rains came during the end of September and caused considerable damage to tomatoes, beans, alfalfa, etc., during or prior to their harvest. However, after taking its initial toll, the weather cleared up nicely giving the farmers sufficient time to complete their fall harvests.

The early fall rains were very beneficial to range grasses, as it gave them a good early start for cattle grazing. To summarize the weather, we feel that it was one of the big factors responsible for lowering the agricultural crop value of our county in 1957.

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Peaches (Clings)

Our harvested tonnage for the 1957 season is down from 1956 due to a 16% green drop ordered by the Cling Peach Marketing Order. Two other factors that helped to lower the yield this year were being plagued with brown rot brought on by the late rains and a more strict grade for the fruit sent to the cannery.

Peaches (Freestone)

The Freestone grower had a drop in yield from the previous year plus lower prices received from the canneries and for their dried fruit. Disease problems paralleled those of the Cling growers.

Pears

There is new interest being shown in pear growing with approximately a hundred acres of new plantings going in this spring. The yields were very good this year, but price received was down some.

Plums

The fresh plum shipments were normal this season and also realized a better price for the fruit that was marketed. Some tonnage was sold to processors for jams.

Walnuts

The walnut growers realized a lower yield this season due to a number of reasons. The weather, blight and insects all had a part in keeping the walnut production down. The price received by the farmer was as good or slightly better than 1956. The quality varied from very poor to excellent depending on care, variety and other problems. The control of insects, such as scale, aphids, codling moth, etc., kept the farmer constantly on his guard to produce a saleable crop.

FIELD CROPS

Alfalfa

The alfalfa acreage dropped considerably this season due mainly to the alfalfa aphid. The infestation in some areas became so heavy and difficult to control, the farmer either lost the crop or spent excessive amounts of money on attempted control. This prompted many farmers to plow their fields in the fall. Most new plantings are using the resistant variety with the hope of eliminating the necessity of spraying for alfalfa aphid. The yield this year was slightly less than 1956.

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CROP SUMMARY

FRUIT AND NUT CROPS

Almonds

New planting acreage is still on the increase. The yields have been very spotted this season due to rain during the pollenization period. Also brown rot set in during wet weather. Very little frost protection was necessary this year with only one morning requiring smudging. The price received per ton of in-shell nuts was considerably lower than during 1956 and a percentage of the crop is subject to control. Generally speaking, the almond growers had a very poor season.

Apricots

The yield was lower this season due to inclement weather during blooming time. The price received per ton was also down for the 1957 season. Most of the fruit went to the cannery with a small percentage being dried.

Cherries

Cherry picking was underway by the last of May this year. However, the rains came and considerable damage was done to the early cherries. There was a big crop of all varieties this year, so the yield was up for processing and down for fresh shipments. The canneries received a larger volume of cherries than normal this season for brining.

Chestnuts

The quality of this year's crop was very similar to the 1956 crop with a predominance of smaller sizes which keeps the gross income down. The yields for 1957 were better than the previous year, giving an increase in total income.

Grapes

The grape harvest this year started the last of August in the Lodi area. The quality was fairly good, but some growers were plagued with irregular sized berries for shipping. The rains came the latter part of the picking season which accounts for the increased number of tons going to the wineries. The price received per ton this year was up from the previous year, giving the farmers a nice increase in cash receipts. There was some sunburn reported, but the general control measures were about normal.

Olives

The receipts to growers this year were down due to the decrease in yields. Even with the average price paid per ton being up, it still did not compensate for the drop in yield.

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Peaches (Freestone)

The Freestone grower had a drop in yield from the previous year plus lower prices received from the canneries and for their dried fruit. Disease problems paralleled those of the Cling growers.

Pears

There is new interest being shown in pear growing with approximately a hundred acres of new plantings going in this spring. The yields were very good this year, but price received was down some.

Plums

The fresh plum shipments were normal this season and also realized a better price for the fruit that was marketed. Some tonnage was sold to processors for jams.

Walnuts

The walnut growers realized a lower yield this season due to a number of reasons. The weather, blight and insects all had a part in keeping the walnut production down. The price received by the farmer was as good or slightly better than 1956. The quality varied from very poor to excellent depending on care, variety and other problems. The control of insects, such as scale, aphids, codling moth, etc., kept the farmer constantly on his guard to produce a saleable crop.

FIELD CROPS

Alfalfa

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Beans

Most bean growers were unfortunate enough to still have their beans out when the early fall rains hit them. This lowered the quality and made for a heavier clean-out in the warehouse. The yield was down this season. Also, the average price received was lower. The growers carried on a normal dusting program for the control of insects.

Field Corn

The field corn acreage stayed about the same this year. The yield and price received per ton dropped below 1956 figures. We can say that the yield and quality was very good in 1957.

Potatoes

The growers did not have the high outstanding market this year that they had in 1956. However, the price and yield was fairly near normal. The acreage harvested in 1957 was very small in comparison with previous years.

Rice

The rice yield was very good this season for the acreage we had planted. Our acreage was considerably lower this season due to a good many acres going into the Soil Banks.

Sugar Beets

Our sugar beets produced an excellent crop this season, but the sugar content was a little low. Also, our acreage made a marked increase over 1956.

Sunflowers

The only appreciable change in the sunflower plantings for 1957 was the sharp decrease in acreage. The yield and value was similar to the 1956 crop.

Sweet Potatoes

Due to unfavorable conditions, the yield this season was below 1956. Prices received for the season were about the same as last year.

VEGETABLE CROPS

Asparagus

The marketing order was not in effect in 1957, so our fresh shipments

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again increased over the previous year. Our fresh market harvesting did not get under way until the 1st of March and the peak harvest was reached by the end of the month. The processors started to receive canning asparagus by the end of April. They did not pay as much for cannery asparagus as the year before and did not receive as much tonnage.

Carrots

Due to the smaller acreage of carrots this year the demand was very good. Better demands gave the farmer a higher overall price for the season. The yields for the acreage produced was very good.

Celery

The early shipments were again plagued with low prices and this situation carried on long enough to bring the season's average down from 1956. The acreage was larger this season with a little better yield reported. The quality was very good, due to the minimum amount of frost.

Melons

The melon growers realized a good year as the prices received started out very well and the quality was excellent. The yields were better than normal in most all types of melons raised. The only appreciable downward trend in acreage was watermelons.

Onions

There was an increase in both early and late onion plantings in 1957. However, the growers did not realize the excellent returns they had in 1956. The quality was good with yields holding about the same as usual.

Peas

There was an extremely large drop in acres planted in 1957. The yield and price received was about the same as 1956. Most all the peas went to the processors.

Spinach

The spinach acreage and yield was up this season with few problems to hamper harvest operations. The per ton receipts were the same as 1956.

Strawberries

The strawberry industry has gone through a drastic change in our county in 1957. The acreage made an extremely large drop over the previous year,

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the reason being the very poor prices paid by processors early in the season. The growers that had a good late picking survived the season because of the increase in revenue. There was some rain damage in the early picking.

Tomatoes

We did not have the extremely large acreage that we had in 1956. The problems were numerous, starting with the unfavorable weather during the fruit setting period which caused some areas to have a very poor early picking. There was some verticillium wilt that took its toll during the season. The final blow that cut down a good crop yield was the early rains that came during the harvest season. Prices paid for round and pear tomatoes was slightly lower than the previous season.

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FRUIT AND NUT CROPS

CROP	BEARING ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
		PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds	8,945	.61	5,457	Ton	\$480.00	\$ 2,619,360
Hulls		.75	6,709	Ton	10.00	67,090
Apricots	1,086	5.51	5,981	Pkg.	1.40	8,373
		4.44	4,822	Ton	90.00	433,980
		.04	41	Ton	610.00	25,010
			14	Ton	50.00	700
Cherries	Royal	5.05	5,604	Ton	240.00	1,344,960
	Other	1.30	3,892	Ton	505.00	1,965,460
Cherries	2,997	1.84	5,528	Ton	240.00	1,326,720
Chestnuts	76	1.45	110	Ton	280.00	30,800
Figs	81	171.36	13,880	Flats	1.96	27,205
Grapes	25,577	1.30	33,245	Ton	109.15	3,628,692
		5.10	130,442	Ton	53.60	6,991,691
Grapes	21,789	164.14	3,576,433	Pkg.	1.85	6,616,401
		6.39	139,276	Ton	43.00	5,988,868
Grapes	1,264	34.97	44,208	Pkg.	1.75	77,364
		7.77	9,823	Ton	48.10	472,486
Misc'l Orchards	374			Acre	250.00	93,500
Nectarines	161	414.71	66,768	Pkg.	2.05	136,874
Olives	376	.92	346	Ton	246.00	85,116
Peaches	1,919	137.23	263,342	Pkg.	1.35	355,512
		8.86	17,002	Ton	45.00	765,090
		.24	465	Ton	380.00	176,700
Peaches	6,017	8.57	51,565	Ton	62.50	3,222,813
		.23	1,367	Ton	30.00	41,010
Pears	74	21.89	1,620	Pkg.	1.67	2,705
		17.80	1,317	Ton	64.15	84,486
Plums	745	215.36	160,443	Pkg.	2.95	473,307
		.17	126	Ton	25.00	3,150
Prunes	93	182.58	16,980	Pkg.	2.95	50,091
		.32	30	Ton	160.00	4,800
Walnuts	13,090	.55	7,200	Ton	470.00	3,384,000

TOTAL \$ 40,504,314

SAN JOAQUIN COUNTY 1957
AGRICULTURAL COMMISSIONER'S REPORT

FIELD CROPS

CROP	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
		PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa Hay	55,332	6.22	344,165	Ton	\$ 25.52	\$ 8,783,091
Barley	66,130	24.96	1,650,605	Cwt.	2.06	3,400,246
Beans, Dry	13,071	15.45	201,947	Cwt.	7.10	1,433,824
Corn, Grain	26,852	2.26	60,686	Ton	49.87	3,026,411
Corn Husks			107	Ton	880.00	94,160
Grain, Sorghum	17,916	2.05	36,728	Ton	48.80	1,792,326
Hay, Grain	12,686	2.15	27,275	Ton	18.90	515,498
Hay, Wild	4,943	1.75	8,650	Ton	18.00	155,700
Oats	10,426	13.07	136,268	Cwt.	2.08	283,437
Range	180,572			Acre	4.00	722,288
Clover	84,432			Acre	45.00	3,799,440
Pasture Sudan Grass	880			Acre	25.00	22,000
Stubble	76,315			Acre	1.50	114,473
Potatoes	4,166	273.00	1,137,318	Cwt.	2.33	2,649,951
Pumpkin - Canning	408	20.80	8,486	Ton	8.50	72,131
Rice	5,064	38.72	196,078	Cwt.	4.50	882,351
Silage, Corn	5,233	18.00	94,194	Ion	6.50	612,261
Sugar Beets*	16,167	23.00	371,841	Ton	12.98	4,826,496
Sunflowers	1,615	14.60	23,579	Cwt.	7.40	174,485
Sweet Potatoes	1,170	125.00	146,250	Bskt.	3.15	460,688
Wheat	8,073	27.80	224,429	Cwt.	3.72	834,876
Soil Bank Payments						213,121
TOTAL						\$ 34,869,254

*Includes Federal Subsidy

SAN JOAQUIN COUNTY 1957
AGRICULTURAL COMMISSIONER'S REPORT

VEGETABLE CROPS

CROP	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE		
		PER ACRE	TOTAL		PER UNIT	TOTAL	
Asparagus	Ship. Proc.	55,695	25.94	1,444,529	30#		
			.80	44,788	Pkg.	\$ 4.23	\$ 6,110,358
				Ton	168.69	7,555,288	
Beets, Table		76	18.36	1,395	Ton	24.00	33,480
Cabbage		114	270.00	30,780	Pkg.	2.15	66,177
Cauliflower		16	341.00	5,456	Pkg.	1.56	8,511
Carrots		418	23.10	9,656	Ton	26.98	260,519
Celery		1,752	891.00	1,561,032	Pkg.	2.10	3,278,167
Corn, Sweet		1,030	191.00	196,730	Pkg.	1.88	369,852
Cucumbers		405	8.90	3,605	Ton	39.80	143,479
Garlic		7	80.00	560	Cwt.	19.00	10,640
Lettuce		360	285.00	102,600	Pkg.	1.92	196,992
Melons	Cranshaw Cantaloupe Casaba Honeydew Persian Watermelon	169 65 358 188 15 1,167	348.00	58,812	Pkg.	1.77	104,097
			279.00	18,135	Pkg.	2.55	46,244
			7.25	2,596	Ton	20.88	54,204
			5.50	1,034	Ton	40.00	41,360
			6.53	98	Ton	60.30	5,909
		13.00	15,171	Ton	20.93	317,529	
Onions	Early Late	1,466 530	715.00	1,048,190	50#		
			700.00	371,000	Sk.	2.10	2,201,199
				Sk.	1.20	445,200	
Peas	Proc.	624	1.64	1,023	Ton	74.00	75,702
Peppers		459	8.90	4,085	Ton	64.58	263,809
Spinach		873	6.77	5,910	Ton	22.50	132,975
Squash		754	7.60	5,730	Ton	18.45	105,718
Strawberries		589	1,030.00	606,670	Crate	1.35	819,004
Boysenberries		182	4.00	728	Ton	200.00	145,600
Tomatoes	Ship. Round Pear	43,050	30.86	1,328,665	Pkg.	2.27	3,016,070
			15.28	657,804	Ton	22.00	14,471,688
			15.75	31,185	Ton	26.50	826,403
Truck Garden Misc'l Vegetables		1,261			Acre	500.00	630,500

TOTAL \$ 41,736,674

SAN JOAQUIN COUNTY 1957
AGRICULTURAL COMMISSIONER'S REPORT

SEED CROPS

CROP	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
		PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa Seed, Common	755	538	406,190	Lb.	\$.19	\$ 77,176
Alfalfa Seed, Lahontan	485	440	213,400	Lb.	.40	85,360
Asparagus Roots	530			Acre	750.00	397,500
Asparagus Seed			3,200	Lb.	2.60	6,400
Beans:						
Certified Seed*						608,850
Light Red Kidney	1,400					120,439
Dark Red Kidney	811					99,426
Other	842					
Cantaloupe Seed	10	400	4,000	Lb.	.50	2,000
Cabbage Seed	15	835	12,525	Lb.	.50	6,263
Ladino Clover Seed	475	277	131,575	Lb.	.30	39,473
Nursery, Trees and Vines						308,000
Nursery, Other						192,500
Onion Seed	38	615	23,370	Lb.	.79	18,463
Popcorn Seed	12	2,500	30,000	Lb.	.065	1,950
Potato Seed	524	273	143,052	Cwt.	2.33	333,312
Pea Seed	207	1,500	310,500	Lb.	.05	15,525
Safflower Seed	210	900	189,000	Lb.	.035	6,615
Sudan Grass Seed	410	1,625	666,250	Lb.	.06	39,975
Other Seed Crops						16,700
TOTAL						\$ 2,375,927

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

SAN JOAQUIN COUNTY 1957
AGRICULTURAL COMMISSIONER'S REPORT

PERMANENT CROPS

CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE	CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE
ALMOND			GRAPES (Raisin)		
Davey	523	16	Muscat	2	137
Drake	7	230	Thompson Seedless	82	578
IXL	0	70	Zante Currant	0	11
Jordanola	47	701	Total	84	726
Mission	489	3,113	GRAPES (Table)		
Ne Plus Ultra	46	517	Cardinal	0	39
Non Pareil	1,841	3,981	Concord	0	6
Peerless	28	300	Emperor	0	117
Other	20	17	Malaga	0	67
Total	3,001	8,945	Ribier	0	129
APPLES			Tokay	197	21,789
Astrachan	1	10	Other	12	180
Golden Delicious	1	1	Total	209	22,327
Other	0	2	GRAPES (Wine)		
Total	2	13	Alicante	3	3,289
APRICOTS			Burger	0	793
Blenheim & Royal	492	675	Carignane	92	6,487
Moorpark & Hemskirk	0	2	Colombar	0	20
Tilton	512	409	F. Reising	0	16
Other	72	0	Golden Chasselas	0	77
Total	1,076	1,086	Grenache	267	969
CHERRIES			Mataro	0	32
Bing	1,502	1,990	Mission	20	1,346
Black Republican	4	25	Palomino	25	918
Chapman	4	136	Petite Sirah	0	322
Lambert	90	238	Sauvignon Blanc	0	23
Royal Ann	281	1,110	Zinfandel	4	10,321
Tartarian	103	526	Other White	0	140
Other	237	82	Other Dark	7	824
Total	2,221	4,107	Total	418	25,577
CHESTNUTS (All)			NECTARINES		
	0	76	John Rivers	6	81
			Other	129	80
			Total	135	161
FIGS			OLIVES		
Black	0	20	Ascolano	0	32
Kadota	0	61	Manzanillo	22	195
Total	0	81	Mission	0	114
			Other	5	35
			Total	27	376

SAN JOAQUIN COUNTY 1957
AGRICULTURAL COMMISSIONER'S REPORT

CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE	CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE
PEACHES (Cling)			PEARS		
Andora	13	141	Bartlett	245	72
Carolyn	141	141	Beurre Hardy	0	1
Corona	24	61	Winter Nelis	0	1
Cortez	232	246	Total	245	74
Dixon (Dix 6-6)	348	0	PERSIMMONS (All)		
Fortuna	94	141		0	3
Gaume	257	1,052	PLUMS		
Gomes (Stuart)	178	540	Beauty	0	2
Halford	718	1,480	Burbank	0	7
Hauss	0	10	Duarte	25	97
Johnson	0	101	Grand Duke	0	1
Libee	0	49	Kelsey	0	3
Palora	211	1,144	President	12	54
Peak	4	172	Santa Rosa	54	243
Petersen	1	55	Tragedy	37	217
Phillips	0	131	Other	165	121
Shasta	28	43	Total	293	745
Sims	1	14	PRUNES		
Stanford	15	157	French	37	8
Sutter	1	39	Robe De Sergeant	0	5
Vivian	230	52	Sugar	0	76
Walton	0	53	Other	0	4
Other	358	195	Total	37	93
Total	2,854	6,017	QUINCES (All)		
PEACHES (Free)				0	11
Babcock	3	3	WALNUTS		
Early Elberta	19	0	Concord	7	42
Elberta	152	910	Eureka	440	3,245
Fay Elberta	689	196	Franquette	84	3,379
J. H. Hale	7	105	Hartley	542	715
Kim Elberta	10	41	Mayette	1	612
Late Hale	5	61	Payne	609	4,682
Lovell	0	182	Placencia	0	86
Muir	0	99	Other	326	319
Nector	0	8	Seedling	37	10
Red Haven	20	21	Total	2,046	13,090
Rio Oso Gem	30	183	BLACK WALNUTS		
Salway	0	6		1,109	347
Other	22	104	ASPARAGUS		
Total	957	1,919		2,925	55,695
			STRAWBERRIES		
				60	589

SAN JOAQUIN COUNTY 1957
 AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF FRUIT AND NUT CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR	YEAR	YEAR	YEAR
	1942	1947	1952	1957
Almonds	4,760	7,264	8,943	8,945
Apples	31	36	12	13
Apricots	1,718	1,890	1,153	1,086
Cherries	4,173	4,134	3,779	4,107
Chestnuts	171	150	108	76
Figs	510	510	410	81
Grapes, Juice	31,792	31,937	32,217	25,577
Grapes, Raisin	991	863	855	726
Grapes, Table	1,381	1,205	892	538
Grapes, Tokay	17,350	18,960	22,759	21,789
Olives	351	351	373	376
Nectarines	157	185	79	161
Peaches, Cling	3,484	5,207	5,789	6,017
Peaches, Free	3,068	3,135	2,210	1,919
Pears	135	142	90	74
Persimmons	12	14	8	3
Plums	1,265	1,108	878	745
Prunes	883	714	283	93
Walnuts	9,355	9,548	11,935	13,090

SAN JOAQUIN COUNTY 1957
 AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF FIELD CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1942	YEAR 1947	YEAR 1952	YEAR 1957
Alfalfa hay	43,846	54,223	61,640	55,332
Barley	102,603	83,676	87,230	66,130
Beans, All	24,782	14,373	13,365	13,071
Corn, Grain	17,280	11,551	13,580	26,855
Flax Seed	285	286	0	0
Grain, Sorghum	7,078	2,811	2,165	17,916
Hay, Grain	17,357	21,821	8,000	12,686
Hay, Wild	15,683	15,009	12,470	4,943
Oats	13,135	9,051	9,510	10,426
Pasture, Range	210,000	225,748	203,180	180,572
Pasture, Ladino clover	23,831	44,078	86,116	84,432
Pasture, Sudan grass	2,992	2,217	1,850	880
Potatoes, All	7,783	5,539	5,214	4,166
Pumpkins	869	887	680	408
Rice	2,892	4,032	9,975	5,064
Silage Corn	1,966	1,019	1,585	5,233
Sugar Beets	18,769	6,250	11,891	16,167
Sunflowers	1,863	1,533	3,490	1,615
Sweet Potatoes	1,608	1,672	1,005	1,170
Wheat	24,193	16,970	11,985	8,073

SAN JOAQUIN COUNTY 1957
AGRICULTURE COMMISSIONER'S REPORT

THE TREND OF VEGETABLE CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR	YEAR	YEAR	YEAR
	1942	1947	1952	1957
Asparagus	34,742	43,759	53,798	55,695
Beets, table	88	20	100	76
Broccoli	101	12	410	8
Cabbage	250	71	50	114
Cauliflower	150	32	17	16
Carrots	1,028	480	590	418
Celery	5,831	4,453	3,580	1,752
Corn, sweet	542	368	600	1,030
Cucumbers	80	63	223	405
Garlic	30	16	4	7
Lettuce	88	102	120	360
Melons, All	1,338	2,960	2,990	1,962
Onions	2,206	2,517	2,752	1,996
Peas	2,308	1,471	980	624
Peppers	50	60	244	459
Spinach	1,638	931	903	873
Squash	150	232	405	754
Strawberries	45	73	510	589
Tomatoes, round	10,676	32,972	32,760	41,171
Tomatoes, pear	12,718	1,995	2,550	1,568

SAN JOAQUIN COUNTY 1957
AGRICULTURAL COMMISSIONER'S REPORT

APIARY PRODUCTS

Honey	927,800	Lbs.	@	.109	\$	101,130.00
Bees Wax	26,700	Lbs.	@	.528		14,098.00
Queen Bees	8,200	Queens	@	1.00		8,200.00
Pollenization	23,730	Colonies	@	2.20		52,206.00
					Total	\$ 175,634.00

DAIRY PRODUCTS

Milk and Milk Products	Total	\$ 19,790,000.00
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LIVESTOCK

Beef Cattle and Calves	\$ 15,156,439.00	
Hogs	2,194,479.00	
Sheep and Wool	3,083,652.00	
	Total	\$ 20,434,570.00

POULTRY

Chickens	\$ 1,087,298.00	
Eggs	2,506,816.00	
Turkeys	596,704.00	
	Total	\$ 4,190,818.00

SUMMARY

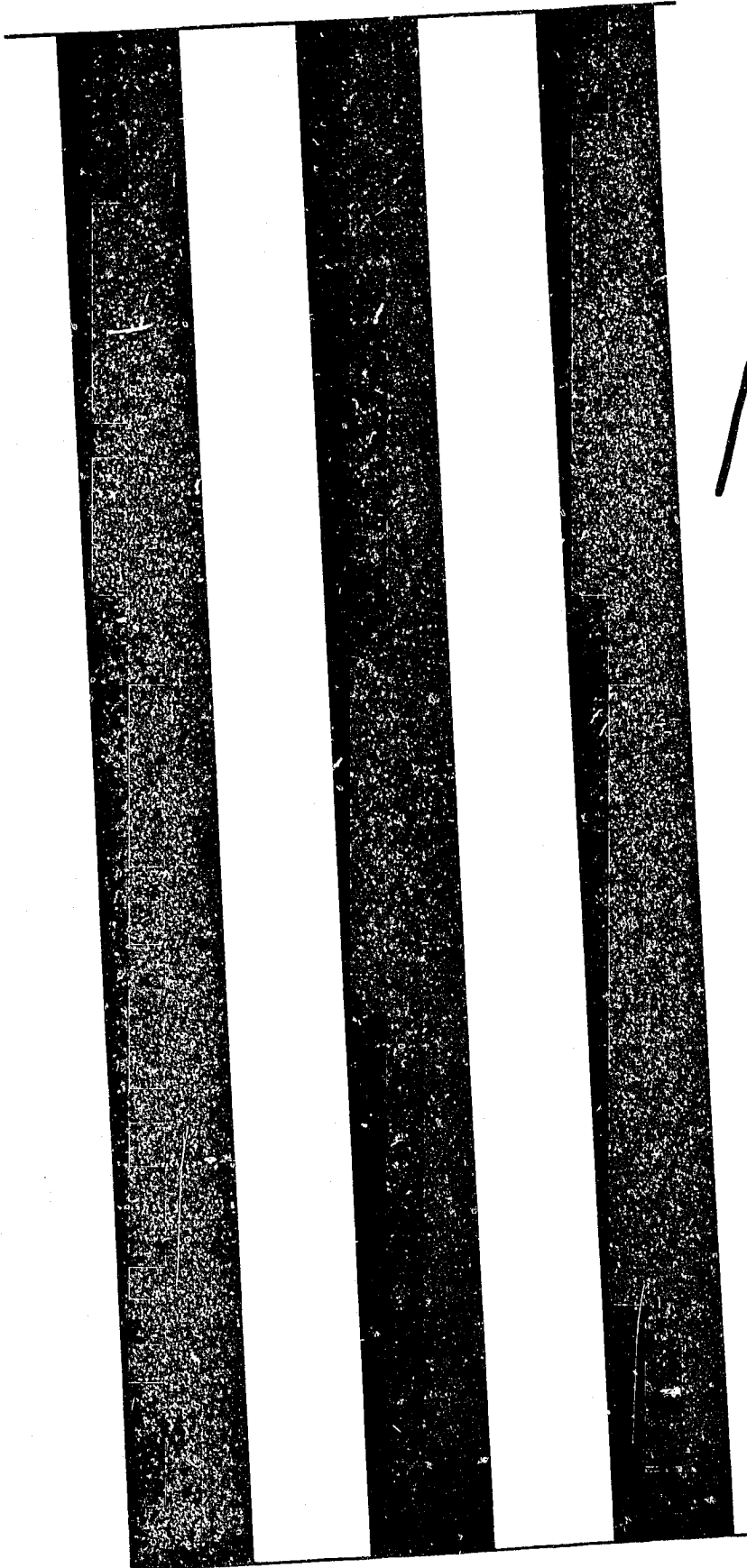
Fruit and Nut Crops	\$ 40,504,314.00	
Field Crops	34,869,254.00	
Vegetable Crops	41,736,674.00	
Seed Crops	2,375,927.00	
Apiary Products	175,634.00	
Dairy Products	19,790,000.00	
Livestock	20,434,570.00	
Poultry Products	4,190,818.00	
	Total	\$ 164,077,191.00

SAN JOAQUIN COUNTY 1957
 AGRICULTURAL COMMISSIONER'S REPORT
 ANNUAL EXPENDITURES

Administration		\$ 31,099.20
Plant Quarantine		34,032.10
Fruit, Nut, Vegetable, Honey and Egg Standardization		21,996.48
Field and Orchard Inspection		33,990.37
Nursery Inspection		2,888.20
Seed Inspection		5,325.66
Rodent Control		18,438.42
Weed Control		22,711.06
Apiary Inspection		2,188.14
Crop Statistics		11,408.36
Gardener & Janitor		6,974.00
		\$ 191,051.99
Capital Outlay		1,857.90
	Total	\$ 192,909.89

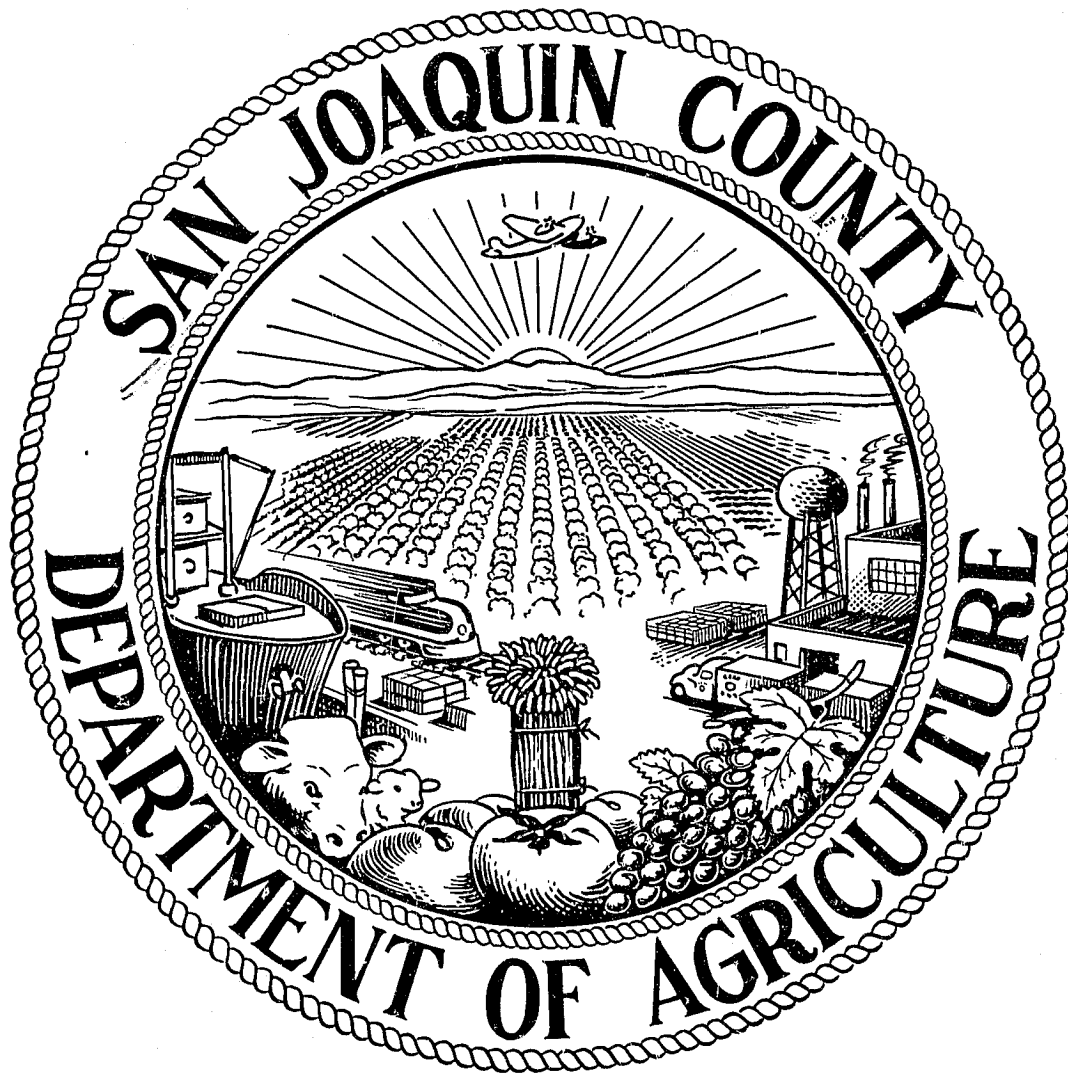
SPECIAL WEED CONTROL

Salaries and Wages		\$ 36,768.08
Maintenance and Operation		21,711.90
Capital Outlay		6,481.91
	Total	\$ 64,961.89



1958

1958



Agricultural Report

Agricultural Commissioner

Austin E. Mahoney

UNIVERSITY OF CALIFORNIA
DAVIS
APR 20 1959

LODI OFFICE
210 N. SACRAMENTO STREET

MANTECA OFFICE
392 E. 99 HIGHWAY

TRACY OFFICE
CITY HALL

SAN JOAQUIN COUNTY

Department of Agriculture

1860 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA

AUSTIN E. MAHONEY
AGRICULTURE COMMISSIONER

POST OFFICE BOX 1809
TELEPHONE HO 6-6806

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-fifth 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. The 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.

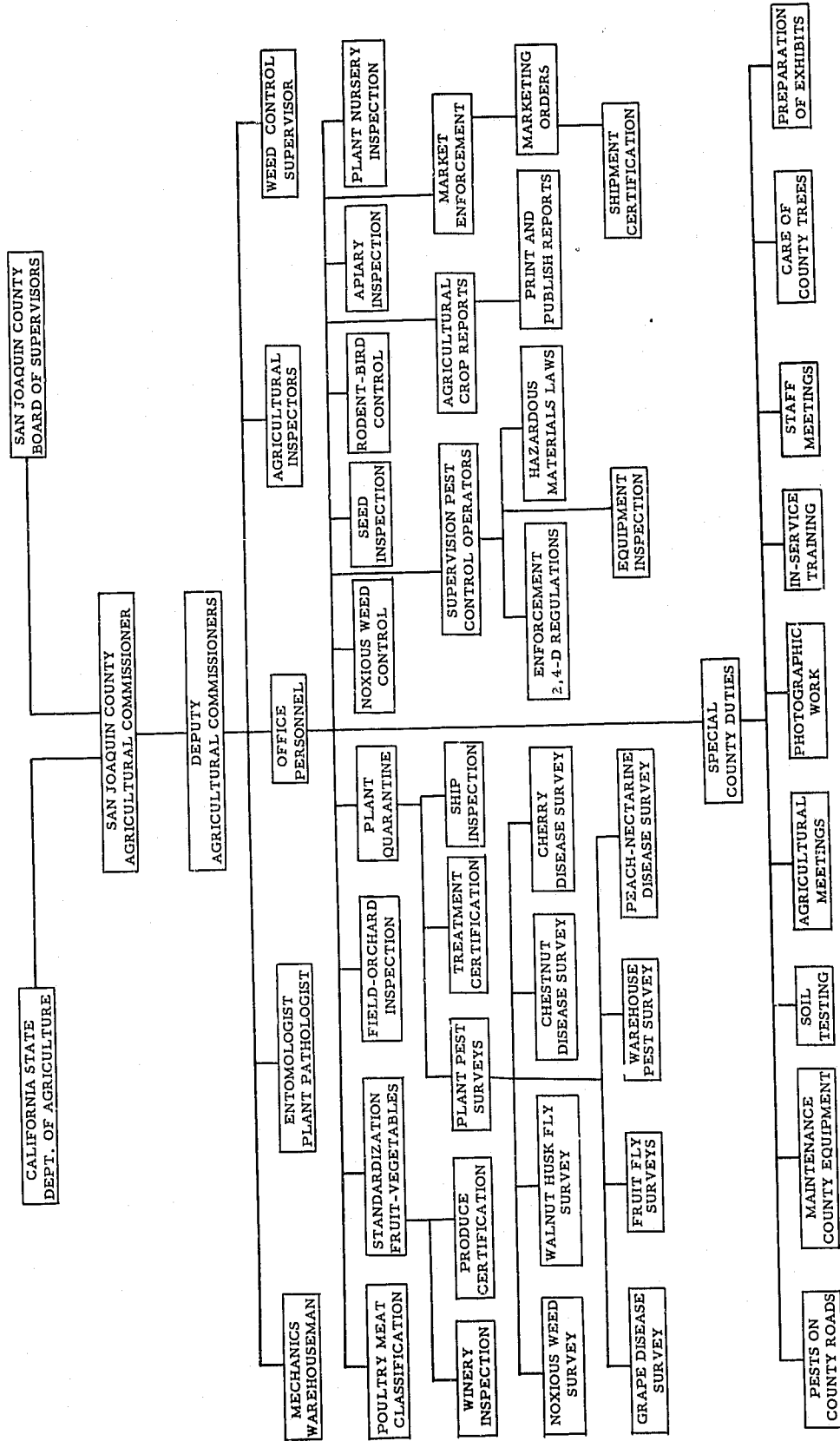
I wish to express my sincere appreciation to all who have assisted my inspectors and deputies by furnishing necessary information to them, which has made the compilation of this report possible.

Respectfully submitted,

Austin E. Mahoney

AGRICULTURAL COMMISSIONER

Functions of the San Joaquin County Department of Agriculture



PERSONNEL

STOCKTON OFFICE

1868 East Hazelton Street

HOWard 6-6806

Austin E. Mahoney
 George J. Stipe
 Mark A. Huberty
 Kenneth W. Jones
 William E. Long
 John R. Solari
 Dave A. Thompson
 R. Dale Odneal
 James K. Mahoney
 Richard E. DeVol
 Gary M. Shealor
 Marvin J. Switzenberg
 Johannes L. Joos
 Paul S. Jorgensen
 D. V. Widney
 Elna Benjamin
 Geraldine Hodge
 Dorothy Parks
 Mary Shaw
 Toni Boscacci

Agricultural Commissioner
 Deputy Commissioner
 Deputy - Laboratory Technician
 Deputy - Linden District
 Calaveras District
 Roberts Island District
 Stockton District
 Standardization
 Deputy - In-Service Trainer
 Deputy - Grain and Seed Inspection
 Grain and Seed Inspection
 Deputy - Weed Control Supervisor
 Entomologist
 Plant Pathologist
 Warehouseman
 Bookkeeper and Stenographer
 Stenographer Clerk
 Typist Clerk
 Typist Clerk
 Radio Communications Clerk

LODI OFFICE

210 North Sacramento Street

ENDicott 8-2757

Leslie G. Todd
 Paul Switzenberg
 Ronald Atmajian
 Franklin H. Newhall

 Jack B. Gianelli
 Ethel Kenney

Deputy Commissioner
 Thornton District
 Victor District
 Deputy - Lockeford-Clements
 District
 Terminous District
 Typist Clerk

MANTECA OFFICE

392 South 99 Highway

TALbot 3-3221

Nicholas J. Wolter
 Walton A. Bauer
 Allen L. Bugbee
 Joseph F. Silva

Deputy Commissioner
 Deputy - Manteca District
 Deputy - Ripon District
 Deputy - Escalon District

TRACY OFFICE

Tracy City Hall

TERminal 5-2211

Aage R. Tugel
 Wilfred A. McDaniel
 Mark A. Huffaker

Deputy Commissioner
 Deputy - South Tracy District
 Tracy District

STOCKTON REPAIR SHOP

R. Richard Raney
 Walter A. Beck
 Edward A. Braghetta
 Earl Dofflemyer

Building & Grounds Foreman
 Mechanic
 Mechanic
 Janitor

SAN JOAQUIN COUNTY 1958
AGRICULTURAL COMMISSIONER'S REPORT

The Department of Agriculture was the first county office established in San Joaquin County with the exception of the legislative and judicial offices required by law. In 1881, the Board of Supervisors of San Joaquin County 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." The first person to act as the Horticultural Commissioner of San Joaquin County was appointed by the Board of Supervisors in 1910.

The Agricultural Code was amended in 1937 to provide for the office of County Agricultural Commissioner in each county. The Commissioner was to be in charge of the County Department of Agriculture. The function of the department is to enforce agricultural laws, the purposes of which are to protect the welfare and agricultural interests of the county.

The duties of this department have been greatly expanded since the initial appointment of the County Board of Horticulture. 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; apiary inspection and poultry meat classification. These various duties are outlined very briefly as follows:

PLANT QUARANTINE

The purpose of Plant Quarantine is to prevent the introduction into or the spread within an area of pests detrimental to the agricultural industry of California. Plant quarantine laws are indispensable when you consider the many insects, plant diseases, noxious weeds and other pests found in other parts of California or the United States which have not yet been introduced into San Joaquin County.

San Joaquin County is particularly vulnerable to a great number of these pests, since it is so highly diversified in its crop production. For this reason, plant quarantine is probably more important to this county than any other county in the state.

The enforcement of state and federal plant quarantine laws by the County Department of Agriculture provides maximum protection to our county. This involves inspection at all post offices, freight lines, express companies, ships and transportation lines and inspection of all plant material and conveyances which may carry plant pests. Whenever shipments are found in violation, disposition of such material is either by treatment or destruction under the supervision of the inspector or the return of the shipment to the place of origin.

PLANT CERTIFICATION

Other states or foreign countries often require certification from the point of origin as to pest conditions on shipments of plant material. This office issues the required certificates after a thorough inspection of the material in such shipments. Many phytosanitary and treatment certificates were issued throughout the year to accommodate persons wishing to ship plant material to foreign countries. In addition to this, all interstate shipments were inspected

SAN JOAQUIN COUNTY 1958
AGRICULTURAL COMMISSIONER'S REPORT

and, if found free of serious pests, the shipments were certified.

POSTENTRY INSPECTION

Under the Federal Nursery Stock, Plant and Seed Quarantine, No. 37, certain foreign plant materials are permitted entry into the United States. Restrictions include an approved growing ground for postentry inspection. These postentry properties are inspected by our office personnel prior to federal releases of plants to ascertain if the proper exclusion facilities are available to protect existing plants.

PLANT DISEASE AND INSECT SURVEYS

Detection surveys for plant disease and insect pests are carried on constantly by all of our inspectors and deputies. A number of formal surveys of crops, properties and miscellaneous plant materials were conducted for any new pests that may have been introduced into this area, as well as to determine the status of existing pests. By survey work, trapping and visual inspection, the extent of spread of these insect and plant disease pests may be determined. Plant disease pest surveys conducted by the department this year were for Chestnut Blight, Broom rape on tomato, Roho Blanca on rice and Mule's Ear on peaches. Some insects under survey were the Cherry Fruit Fly, Mediterranean Fruit Fly, Khapra Beetle, Melon Fly, Japanese Beetle and Oriental Fruit Fly. As a result of the Walnut Husk Fly survey, this pest was found for the first time in San Joaquin County this year.

NURSERY INSPECTION

Serious agricultural pests may be carried on nursery stock. It is the duty of the Agricultural Commissioner to inspect all trees and plants used for the production of our food crops or to decorate our gardens and premises where such nursery stock is grown or sold to prevent the spread of such pests.

This year an intensive nematode detection program was initiated. There were 2,686 root samples processed through our laboratory, 1,017 of which were from nurseries.

ORCHARD AND FIELD

Under the provisions of the Agricultural Code, this office makes inspections of various orchards, vineyards, vegetable and field crops throughout the county to determine the status of established pests. Degree of infestation, stage of development, presence or absence of predators and other informative conditions are studied as well as the methods used for their control. The information gathered from such inspections enables this office to properly evaluate the pesticide materials and methods of application and to make accurate recommendations for the control of pests found.

PEST CONTROL OPERATIONS

Commercial pest control operators must register with the Agricultural Commissioner before they may carry on work in this county. Monthly reports on all work performed in this county are required from all commercial Pest

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Control Operators. Complete records of such operations are maintained throughout the year by this department. There were 22 aircraft and 60 ground rig operators registered during 1958 in San Joaquin County.

The Administrative Code lists several chemicals as injurious insecticides. These materials are arsenic, TEPP, parathion, Methyl parathion, EPN, OMPA (Schradan), Systox (Demeton), Guthion and Phosdrin. According to the law, before these materials may be purchased or applied, a permit must be obtained from the Department. The regulations and safety precautions are fully explained to the person applying for the permit. By this method, the applicant and his neighbors are provided protection. In San Joaquin County during 1958, 548 permits covering 31,093 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 purchase or application of the material. During 1958, 471 permits were issued in San Joaquin County covering 76,183 acres.

Equipment to be used for applying this injurious herbicide is checked by our inspectors for compliance with State and County regulations. Wind velocity, nozzle size, pressure and gallons per acre must meet certain requirements before the materials can be applied.

STANDARDIZATION

The enforcement of standardization laws, authorized under Chapter 2, Division 5, of the Agricultural Code, is the responsibility of this office. Eggs, honey, nuts, poultry and rabbit meat and thirty-two different fruits and vegetables are covered by these laws. The commodities must comply with the standards specified in the Code. Also included is a general regulation on mold, decay and insect damage on all fresh fruits and vegetables. Inspectors visit packing houses, wholesale and distributing establishments, retail stores and markets daily to determine if all of the provisions of the Code are complied with as to quality and condition. Whenever produce is found in violation by the inspector, a notice of violation is issued to persons concerned and instructions for reconditioning the commodity are given. When the produce has been properly reconditioned, it is released by the inspector and may be sold.

To facilitate the movement of produce past state inspection stations, 2127 Standardization Inspection Certificates were issued this year. This insures the recipient at destination produce that conforms at least with the minimum California Standardization law requirements at time of inspection. Since San Joaquin County is a heavy exporter of fruits and vegetables, the issuance of these certificates represents an important service to growers and shippers of this county alike.

In addition to the enforcement of the standardization laws, this office inspects certain fruit to see that it conforms to the requirements of the various marketing orders for apples, pears, cantaloupe, peaches and plums. A total of 33,533 packages of peaches and 7,714 packages of plums were inspected and certified during 1958 under the requirements of the Fresh Peach and Plum Advisory Board.

Section 771 of the Agricultural Code requires that wineries purchasing grapes on a sugar content basis must have an official test made on each load of grapes delivered to the winery. This year six wineries had official tests made by the department.

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RODENT CONTROL

Serious agricultural losses may be sustained due to the destructive habits of ground squirrels, field mice, gophers, voles and muskrats. Some of these rodents may carry certain diseases transmissible to humans, such as plague and relapsing fever. 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 of property owners by this department and, if necessary, abatement procedure is carried out to protect other properties. To further facilitate the control of these rodents, this office maintains a service to all farmers in the application, mixing, handling and selling of poison baits, rodenticide gases and rodent field equipment. All poison baits prepared by the Agricultural Department 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 on 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

Certain weed pests, which are of limited distribution in the state and resist normal methods of control due to their vigorous growth habits, are declared to be noxious weeds in the Agricultural Code and are subject to abatement or special control measures. The Agricultural Commissioner is given the authority to prevent the spread of these noxious weeds by seed or otherwise and also to require the control or eradication of established infestations. Inspections are made of ranches, roadways, ditch banks and railroad rights-of-way for the presence of noxious weeds. Whenever found, this department is instrumental in contacting parties concerned and in initiating control measures.

Whenever the seed of a noxious weed may be carried in a harvested crop from the field in which a crop is being grown, a hold notice is placed on that field. This notice requires the owner to abate the pest or to handle the infested material in a manner which will prevent the spread of the seed pest to other properties.

A special weed program has been in progress for the past eleven years to control or eradicate 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

Noxious weed seeds may be readily disseminated in the planting of crop seed. This department, therefore, inspects the seed sold in this county for the presence of noxious weed seeds. 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.

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A great quantity of grain and hay is transported into this county for livestock feed, export and uses other than planting. These shipments are inspected for the presence of noxious weed seeds and for compliance with all other quarantine regulations affecting such shipments. Whenever a shipment is found in violation, it is disposed of in accordance with the law. A total of 24,562 shipments of grain were inspected in 1958 for the presence of noxious weeds.

Screenings which accumulate from all lots of seeds or grain 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, apiary colonies are inspected periodically.

An intensive inspection of all apiaries within the county was carried out this year. Colonies infected with American Foulbrood were treated to kill the bees and then burned in accordance with the 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 are issued and records of apiary movement permits are administered by this office.

AGRICULTURAL STATISTICS

As required by Section 65.5 of the California Agricultural Code, statistics are gathered by this department throughout the year. Through these statistics, a comprehensive report covering conditions, acreages, production and value of agricultural products of this county may be formed. Information on environmental conditions such as floods, rains, heat and wind which may affect agriculture are also compiled. These statistics give the farmer the 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 of the State Department of Agriculture 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 office to collect evidence to aid the Bureau in their work. 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 \$37,396.07 to 63 producers of this county.

PUBLIC SERVICE

Even though the 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.

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Home owners with garden problems in urban areas are frequent callers seeking information to rid their properties of insect pests and plant disease. In order to identify the pest and to make proper recommendations for control, many requests are followed by personal calls. In addition to serving the community better, this service allows the department to watch more carefully for the possible introduction of new plant pests into this area.

During the year, a great many telephone calls are received requesting information pertaining to other public agencies. This department endeavors to keep up 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 in addition to our regular duties. The activities are designed to facilitate the operation of this Department and to extend to agriculturalists a more complete service.

In-Service Training

During 1956, a formal In-Service Training Program was initiated by this department. Instructions for all Inspectors are held at regular intervals covering the current problems and procedures in the rapidly changing subjects with which the Department is concerned. Written Training Programs supplementing the class work are prepared and printed by the Department. Programs this year included Field and Orchard Inspection, Plant Quarantine, Nursery Inspection, Apiary Inspection, Pest Control, Standardization of Fruit, Nuts and Vegetables and Seed Inspection. A Reference and Training Manual containing about 4,000 pages of written material was completed and distributed late in 1958.

Identification of Insects, Diseases and Plants

Identification of plants and plant pests is an important function of this office. This function is closely related to Plant Quarantine, Nursery Inspection, Field and Orchard Inspection, Plant Pest Control and Weed Control. It is only after proper identification of plant pests that controls can be recommended. At times, however, if proper identification cannot be made, the specimen is sent to a taxonomist of the State Department of Agriculture.

Nematology Laboratory

During this year, 2,686 samples of roots and soil were processed in the newly established Nematology Laboratory in an effort to find any plant parasitic nematodes. All incoming shipments of nursery stock and all nurseries in the county were surveyed. An intensive survey of the farming land throughout the county was also initiated. To date, the results of these surveys have shown a surprisingly small percentage of the fields, shipments and nurseries infested or infected with serious plant parasitic nematodes.

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Farm Meetings

Inspectors from this Department attend many farm meetings in order to keep close contact with problems and needs of the farmers of the county. Many lectures before service clubs and other organizations were given during the year by our men. These meetings provide excellent opportunities to introduce educational programs on the work of this office.

Photographic Work

As a method of recording agricultural information for later reference, numerous photographs are taken of local agricultural activities. Color and black and white photographs are taken by our personnel and processed in our dark room. By this method, costs are kept at a minimum. In cases where departmental enforcement of agricultural law is required, photographs are almost always submitted as evidence. However, the main purpose of the photographs is for visual education.

Soil Tests

Since soil defects that are detrimental to plant growth are not always apparent, samples of soils are often tested in our laboratory. These tests are a 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

Again this year, this Department sprayed the County Modesto Ash trees for ash aphid in order to prevent losses. Several hundred ash trees were treated with a malathion spray mixture.

Shop Work

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

Weather Reports

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

Publications

In addition to this Annual Crop Report each year, this Department issues numerous news articles. These publications and articles are sent to radio stations, newspapers, local farm papers, magazines and persons interested in agriculture, to give them a better knowledge of the agricultural situation in this area.

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Civil Defense

In 1958, this Department participated in Civil Defense activities and training. In April and May, members of the staff worked in cooperation with the Public Works Department and the Civil Defense Council in combatting the floods throughout the County. Later in the year all members of the staff were trained in Basic First Aid and three men were trained as Radiological Meter Operators.

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WEATHER

Weather during the first half of 1958 was unfavorable for all types of agriculture except dry land pastures. Fortunately, the long dry fall enabled farmers to harvest their crops with very little loss. A breakdown of the year's weather follows.

January and February were rainy and foggy. Farmers could not get into their wet fields to work. As a result, many acres of grain were not planted. Some grain that had been planted earlier turned yellow. Barley at harvest time was pinched, many fields producing 32 pounds per bushel of grain. Tree and vine plantings were delayed. Orchard spraying was omitted which resulted in considerable Brown Rot and Peach Leaf Curl.

The first ten days of March were cold and frosty. Temperatures dropped to 27° and there was considerable smudging. The rains came again on March 13th and continued through April 6th. Pollination of most fruit and nut trees was hampered by the rains. Floods occurred the first week in April to further complicate the picture. The combination of rains and flood drowned out most of the peas and spinach. Many fields of sugar beets had to be replanted several times.

Clear warm weather generally prevailed in the latter part of April and through May and June. As soon as fields dried out, farmers managed to get their crops planted. On April 23rd, however, a light frost did occur which caused some damage to walnuts and grapes. Rain on May 22nd caused considerable Brown Rot in cherries. Scattered showers prevailed until June 12th. Rust occurred in peaches for the first time in many years. Rust was also quite severe on sunflowers and asparagus ferns.

July, August and September were near normal, although heavy lightning storms accompanied by scattered showers did occur on July 28th. The latter part of August and the first part of September we had a prolonged hot spell which caused considerable sunburn to walnuts, tomatoes and grapes. Ideal weather prevailed throughout the remainder of September, through October and until the middle of November. Many growers were able to get an additional cutting of alfalfa. Many late planted fields were harvested that would have been lost if we had our normal fall rains.

Although the fall weather was ideal for harvest, it had some disadvantages. Dry land pastures, in particular, suffered from lack of rain. Spraying of fruit trees was delayed due to the dry conditions and lack of frost prevented pruning. The first frosts occurred November 17th, 18th and 19th when temperatures dropped to 21° in some areas. Mild dry weather prevailed throughout the remainder of the year.

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CROP SUMMARY

FRUIT AND NUT CROPS

Almonds

Again untimely rains during the blooming period resulted in spotted and light crops. In addition, brown rot became prevalent due to the wet weather. This resulted in a light yield of less than a half-ton per acre. Fortunately, prices nearly doubled over the previous year, which resulted in a fair return to the farmer.

Apricots

The crop was very light due to the poor pollination and abundance of brown rot created by untimely rains. Growers with a crop of any proportion did enjoy an exceptionally high price.

Cherries

During the blooming period rains reduced pollination sharply which, in turn, reduced the crop by approximately one-third. At harvest time rains created havoc by inducing a high percentage of splits and rapid development of brown rot. This resulted in a loss of approximately another third of the crop. Although price at the processor increased about a third over the previous year, returns to the grower were very poor due to the drastic reduction in yield.

Chestnuts

Again a high percentage of small nuts created an unfavorable return to growers of this crop. Production was somewhat lower than the previous year; however, gross returns were nearly the same with a higher price per ton.

Grapes

Although a light frost the latter part of April caused some damage to grapes, the beginning of the harvest season found a good crop on the vines. Growers had somewhat more trouble with mildew and shatter than normal in the Tokays. Along with the excellent harvest conditions and good prices, growers enjoyed a successful season.

Olives

The crop this season was of a higher yield than the preceding year. However, with the drastic reduction of 48% in the price per ton, receipts to the grower were very low.

Peaches (Clings)

Growers experienced a variety of problems this year. Late rains in the spring were inducive to excessive development of brown rot and peach leaf curl. In addition, rust appeared in a number of orchards and in a few the infestation was very heavy. This is the first outbreak of rust in the County for many years. Even though no green drop was ordered under the Cling Peach Marketing Order, because of the light crop, production remained about the same as the preceding year. There was a small increase in price.

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Peaches (Freestones)

As in the case of the clings, brown rot and curly leaf were prevalent in the freestone peach crop. Although prices were somewhat better, yields were sharply curbed, resulting in poor returns to the farmer.

Pears

Interest in the pear crop by fruit growers in the County has continued with the new planting of approximately 119 acres. The crop this year was drastically reduced to approximately one-half of normal. However, growers did enjoy a good price which offset in part the losses in yield.

Plums

The plum crop yield was about half of the preceding year. Some varieties had virtually no crop due to the untimely rains during blossom time.

Walnuts

In the predominate variety, Payne, the yield was drastically reduced under normal; however, the unpredictable Franquette came through with an unusually high yield. Along with a good yield in other varieties, the yield increased approximately 35%. Unfortunately, a sizeable drop in price netted the grower only a small increase in gross returns.

FIELD CROPS

Alfalfa

The first cutting was weedy; however, an extra cutting in the fall more than made up for the low quality of the hay at the beginning of the season. In addition, the alfalfa aphid did not cause any great problem, especially as compared with the previous year. Although yield for the year was high, the price declined some, resulting in only a minor gain in gross receipts.

Beans

The 7,000 acre increase constituted a 35% increase over the previous year. Yield and quality were good. With the increase in price, gross returns to the grower were substantially better this year.

Field Corn

Field corn acreage was slightly above last year. The yield was about a half-ton per acre more than in 1957. The price remained about the same and the yield and quality were very good in 1958.

Potatoes

The acreage increased nearly 23% in the county. However, along with the trouble some growers had planting due to rains, and the drastic decline in price, potato growers had a very poor season. The price was nearly down to half of the previous season.

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Rice

The acreage dropped about 8% under the 1957 season. Yield increased slightly and price declined a little. The overall return to growers resulted in a good season.

Sugar Beets

Rains at planting time caused considerable damage. Some growers had to replant. For another successive year the county acreage increased extensively by approximately 4,500 acres. However, with the sharp decline in yield and slightly lower price, the overall return to farmers was lower this year.

Sunflowers

Most noticeable was the increase in the county acreage of nearly 2,000 acres, which more than doubled the planting for 1957. Rust became quite prevalent in many fields and yields were substantially reduced which resulted in a poor year for growers.

Sweet Potatoes

A very good year was enjoyed by farmers with sweet potatoes. An excellent yield of nearly two and one-half times the previous year, along with a good price, nearly doubled returns to farmers this year.

VEGETABLE CROPS

Asparagus

During the first part of the harvest season, a Phytophthora Rot, due to rains, caused extensive loss to many growers. In order to keep this rot from causing excessive break-down in shipments of "gras", growers had to employ exceptional care in harvesting and grading out diseased stocks, resulting in additional cost to growers. Even with this trouble at the beginning of the season, there was a substantial increase in yield and along with the higher prices, especially in "gras" to processors, growers enjoyed a substantially better season than the previous year.

Carrots

The county acreage more than doubled, yields increased and prices made a substantial gain over the year before. Thus, a good season was enjoyed by growers of this crop.

Celery

The county acreage declined by about a third. Yield dropped drastically to nearly a half of the 1957 season. Along with low prices, returns to growers were poor.

Melons

Planting was late due to rains and Fusarium wilt was heavier than usual.

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However, growers enjoyed another successful season with gross returns remaining at a high level. Watermelon, constituting two-thirds of the melon crop, made increases in acreage, yield and price, keeping the gross returns at the high level.

Onions

Late rains caused some damage to the onion crop. Because of the very poor price, a number of growers plowed under their early onion crop. This resulted in a sharp decline in total yield to nearly one-half that of the 1957 season. Growers with late onions conversely enjoyed good yields and high prices.

Peas

Rains and flooding completely destroyed the pea crop in San Joaquin County.

Spinach

As with the pea crop, the spinach crop was nearly obliterated by the adverse rains and floods. Only 50 acres were harvested as against 873 acres in 1957.

Strawberries

The acreage remained constant. Late rains curtailed production to a certain extent; however, prices returned to a fair level, resulting in substantially better returns than in 1957.

Tomatoes

The tomato acreage increased to a new high for San Joaquin County, although plantings got off to a late start due to rains. Yields in rounds increased some; however, yields on pears dropped considerably. At the first portion of the harvest season, due to the rapid rate of maturing, processors were swamped with tomatoes; so many growers were placed on a daily quota. This resulted in a substantial tonnage loss to a number of growers. However, with the excellent weather conditions in the fall, growers had good yields in round tomatoes which were higher than in 1957.

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FRUIT AND NUT CROPS

CROP	BEARING ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
		PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds Hulls	8,899	.48 .60	4,271 5,339	Ton Ton	\$800.00 10.00	\$ 3,416,800 53,390
Apricots Proc.	960	6.00	5,760	Ton	145.00	835,200
Cherries Royal Other Ship. Cherries Proc.	1,141 3,162	1.45 .80 .40	1,646 2,523 1,244	Ton Ton Ton	380.00 632.70 349.00	625,480 1,596,302 434,156
			4.413			265,938
Chestnuts	69	1.13	78	Ton	364.00	28,392
Figs Ship.	26	100.00	2,600	Flats	1.75	4,550
Grapes Ship. Juice Wine	25,577	1.13 5.37	28,882 137,349	Ton Ton	109.53 44.10	3,163,455 6,057,090
Grapes Ship. Tokay Wine	21,789	192.25 5.83	4,189,022 127,030	Pkg. Ton	2.05 38.76	8,587,495 4,923,682
Grapes Ship All other Wine	1,264	30.60 7.54	38,681 9,538	Pkg. Ton	2.31 40.00	89,376 381,520
Misc'l Orchards	374			Acre	145.00	54,230
Nectarines Ship.	165	167.50	27,631	Pkg.	2.30	63,551
Olives	384	1.12	430	Ton	135.00	58,050
Peaches Ship. Free Proc. Dried	1,892	36.00 6.70 .076	67,964 12,676 143	Pkg. Ton Ton	1.65 47.50 500.00	112,140 602,110 71,500
Peaches Proc. Cling Pickles	5,798	9.05 .18	52,486 1,052	Ton Ton	66.00 31.00	3,464,076 32,612
Pears Ship. Proc.	83	10.55 10.60	876 880	Pkg. Ton	3.00 90.00	2,628 79,200
Plums Ship.	671	115.31	77,379	Pkg.	3.31	256,124
Prunes Ship. Dried	9	55.56 1.11	500 10	Pkg. Ton	3.00 500.00	1,500 5,000
Walnuts	14,562	.77	11,213	Ton	350.00	3,924,550
					TOTAL	\$ 38,924,159

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FIELD CROPS

CROP	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
		PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa hay	52,298	7.25	379,160	Ton	24.00	\$ 9,099,840
Barley	59,768	25.20	1,506,153	Cwt.	2.25	3,388,844
Beans, Dry	20,557	19.41	399,011	Cwt.	8.21	3,275,880
Corn, Grain	27,377	2.50	68,442	Ton	50.00	3,422,100
Corn, Husks	1,200	.20	240	Ton	1,100.00	264,000
Grain, Sorghum	25,549	2.75	70,259	Ton	43.40	3,049,240
Hay, Grain	10,287	1.75	18,002	Ton	18.00	324,036
Hay, Wild	3,186	1.50	4,779	Ton	18.00	86,022
Oats	8,400	10.00	84,000	Cwt.	2.10	176,400
Pasture	143,798			Acre	5.00	718,990
Range	87,329			Acre	45.00	3,929,805
Clover	1,405			Acre	25.00	35,125
Sudan Grass	90,460			Acre	1.50	135,690
Stubble						
Potatoes	5,314	265.00	1,408,210	Cwt.	1.45	2,041,904
Pumpkin Canning	534	9.33	4,982	Ton	20.00	99,640
* Rice	4,602	44.50	204,789	Cwt.	4.25	870,353
Silage, Corn	4,975	16.50	82,087	Ton	7.50	615,652
Sugar beets	20,849	18.00	375,282	Ton	12.75	4,784,845
Sunflowers	3,552	12.00	42,624	Cwt.	7.50	319,680
Sweet Potatoes	1,301	225.00	292,725	Bskt.	3.00	878,175
* Wheat	9,309	15.00	139,635	Cwt.	3.20	446,832
Soil Bank Payments						295,507
* (Include Federal Subsidy)						TOTAL \$ 38,258,560

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VEGETABLE CROPS

CROP	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
		PER ACRE	TOTAL		PER UNIT	TOTAL
Asparagus Ship. Proc.	59,166	36.18 1.00	2,141,190 59,400	Pkg. Ton	\$ 4.29 190.00	\$ 9,185,705 11,286,000
Beets, Table	106	20.00	2,120	Ton	24.00	50,880
Cabbage	178	275.00	48,950	Pkg.	2.25	110,137
Cauliflower	57	305.00	17,385	Pkg.	2.00	34,770
Carrots	839	20.00	16,780	Ton	31.46	527,898
Celery	1,178	481.00	566,618	Pkg.	2.25	1,274,890
Corn, Sweet	517	225.00	116,325	Pkg.	1.15	133,773
Cucumbers	179	5.00	895	Pkg.	1.25	1,118
Garlic	3	75.00	225	Cwt.	21.00	4,725
Lettuce	649	240.00	155,760	Pkg.	1.95	303,732
Melons						
Cranshaw	161	7.60	1,223	Ton	40.00	48,920
Cantaloupe	210	282.00	59,220	Pkg.	2.25	133,245
Casaba	272	8.70	2,366	Ton	22.50	53,235
Honeydew	92	5.20	478	Ton	30.00	14,340
Persian	19	5.60	106	Ton	40.00	4,240
Watermelon	1,354	14.30	19,362	Ton	22.00	425,964
Onions						
Early	1,517	520.00	788,840	50# Sk.	.75	591,630
Late	568	900.00	511,200	Sk.	2.45	1,252,440
Peppers	555	18.50	10,267	Ton	50.00	513,350
Spinach	50	8.00	400	Ton	31.50	12,600
Squash	460	14.00	6,440	Ton	15.00	96,600
Strawberries	598	1,200.00	717,600	Crate	1.80	1,291,680
Raspberries	193	6.00	1,158	Ton	200.00	231,600
Pears						
Ship.	45,017	14.78	665,670	Pkg.	2.40	1,597,608
Round		16.08	723,873	Ton	22.50	16,287,142
Pear	2,085	11.39	23,748	Ton	27.50	653,070
Misc. Veg.	1,000			Acre	500.00	530,000
TOTAL						\$ 46,651,292

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SEED CROPS

CROP	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
		PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa seed, Com.	870	750.00	652,500	Lb.	.18	\$ 117,450
Alfalfa seed, Lahon.	534	565.00	301,710	Lb.	.30	90,513
Asparagus Roots	445			Acre	750.00	333,750
Asparagus Seed			4,800	Lb.	1.60	7,680
Beans:						
Certified Seed						
Light Red Kidney	4,610	11.93	54,997	Cwt.	10.00	549,970
Dark Red Kidney	678	12.26	8,312		11.75	97,666
Other	595	12.90	7,675		11.35	87,111
Cantaloupe Seed	15	412.00	6,180	Lb.	.50	3,090
Clover Seed	783	255.00	199,665	Lb.	.50	99,833
Nursery, Trees & Vines						310,500
Nursery, Other						195,000
Onion Seed	48	575.00	27,600	Lb.	2.50	69,000
Popcorn Seed	42	3,000.00	126,000	Lb.	.055	6,930
Potato Seed	1,230	300.00	369,000	Cwt.	2.00	738,000
Safflower Seed	300	850.00	255,000	Lb.	.035	8,925
Sunflowers	181	1,200.00	217,200	Lb.	.10	21,720
Other Seed Crop						16,500
						\$ 2,753,638

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

SAN JOAQUIN COUNTY 1958
AGRICULTURAL COMMISSIONER'S REPORT

PERMANENT CROPS

CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE	CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE
ALMOND			GRAPES (Raisin)		
Davey	367	34	Muscat	7	119
Drake	36	164	Thompson Seedless	50	670
IXL	0	55	Zante Currant	0	12
Jordanola	27	717	Total	57	801
Mission	555	3,082			
Ne Plus Ultra	51	510	GRAPES (Table)		
Non Pareil	2,081	4,051	Cardinal	0	45
Peerless	40	276	Concord	0	7
Other	4	10	Emperor	0	113
Total	3,431	8,899	Malaga	0	66
			Ribier	0	76
			Tokay	404	21,505
			Other	11	156
APPLES			Total	415	21,968
Astrachan	1	7			
Golden Delicious	1	0	GRAPES (Wine)		
Other	0	2	Alicante	7	3,456
Total	2	9	Burger	2	709
			Carignane	205	6,216
			Colombar	0	20
APRICOTS			F. Reisling	0	22
Blenheim & Royal	560	563	Golden Chasselas	0	64
Moorpark & Hemskirk	0	2	Grenache	422	955
Tilton	614	395	Mataro	0	21
Other	0	0	Mission	44	1,296
Total	1,174	960	Palomino	25	737
			Petite Sirah	26	310
			Sauvignon Blanc	0	23
CHERRIES			Zinfandel	55	10,594
Bing	1,999	2,181	Other White	6	98
Black Republican	5	23	Other Dark	7	649
Chapman	7	114	Total	799	25,170
Lambert	113	258			
Royal Ann	306	1,141	NECTARINES		
Tartarian	114	497	John Rivers	0	82
Other	75	63	Other	142	83
Total	2,619	4,277	Total	142	165
CHESTNUTS (All)	1	69	OLIVES		
			Ascolano	0	31
FIGS			Manzanillo	17	208
Black	0	20	Mission	0	103
Kadota	0	6	Other	0	42
Total	0	26	Total	17	384

SAN JOAQUIN COUNTY 1958
AGRICULTURAL COMMISSIONER'S REPORT

CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE	CROP & VARIETY	NON-BEARING ACREAGE	BEARING ACREAGE
PEACHES (Cling)			PEARS		
Andora	12	144	Bartlett	405	83
Carolyn	124	131	Winter Nelis	<u>1</u>	<u>0</u>
Corona	59	97	Total	406	83
Cortez	218	323			
Dixon (Dix 6-6)	421	0	PECANS	1	2
Fortuna	113	145			
Gaume	343	1,004	PERSIMMONS (All)	1	4
Gomes (Stuart)	219	447			
Halford	857	1,350	PLUMS		
Hauss	0	16	Burbank	0	2
Johnson	0	89	Duarte	21	85
Libbee	0	40	El Dorado	119	59
Paloro	174	1,096	President	12	32
Peak	1	137	Santa Rosa	91	226
Phillips	0	106	Tragedy	47	185
Shasta	28	43	Other	<u>119</u>	<u>82</u>
Sims	2	13	Total	409	671
Stanford	15	158			
Sullivan	13	36	PRUNES		
Vivian	279	97	French	34	4
Walton	0	32	Robe De Sergeant	0	1
Wiser	22	38	Sugar	<u>0</u>	<u>4</u>
Other	<u>326</u>	<u>256</u>	Total	34	9
Total	3,226	5,798			
			WALNUTS		
PEACHES (Freestone)			Concord	7	41
Babcock	0	5	Eureka	892	3,873
Early Elberta	23	32	Franquette	187	3,606
Elberta	851	1,265	Hartley	907	944
Gold Dust	1	4	Mayette	7	623
J. H. Hale	4	134	Payne	940	5,086
Lovell	0	176	Placentia	0	84
Muir	0	78	Other	107	272
Red Haven	13	25	Seedling	<u>63</u>	<u>33</u>
Rio Oso Gem	41	139	Total	3,110	14,562
Salway	1	2			
Other	<u>38</u>	<u>32</u>	BLACK WALNUTS	<u>2,084</u>	149
Total	972	1,892		<u>2,238</u>	59,166
			ASPARAGUS	2,238	59,166
			STRAWBERRIES		598

SAN JOAQUIN COUNTY 1958
 AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF FRUIT AND NUT CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1943	YEAR 1948	YEAR 1953	YEAR 1958
Almonds	5,367	7,693	8,976	8,899
Apples	33	36	12	9
Apricots	1,784	1,777	1,110	960
Cherries	4,178	4,119	3,830	4,303
Chestnuts	181	139	105	69
Figs	510	500	409	26
Grapes, Juice	31,781	33,444	30,563	25,577
Grapes, Raisin	990	885	806	801
Grapes, Table	1,374	1,215	783	463
Grapes, Tokay	17,389	19,686	22,408	21,789
Nectarines	166	184	79	165
Olives	350	348	384	384
Peaches, Cling	3,870	5,428	5,809	5,798
Peaches, Freestone	3,135	3,079	2,099	1,892
Pears	135	142	90	83
Persimmons	12	14	8	4
Plums	1,261	1,113	863	671
Prunes	889	688	229	9
Walnuts	9,357	9,720	12,126	14,562

SAN JOAQUIN COUNTY 1958
AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF FIELD CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1943	YEAR 1948	YEAR 1953	YEAR 1958
Alfalfa Hay	40,542	54,774	69,200	52,298
Barley	78,541	86,627	80,100	59,768
Beans, All	22,303	21,399	18,059	26,442
Corn, Grain	16,144	10,053	11,970	27,377
Grain Sorghum	6,324	5,290	2,710	25,549
Hay, Grain	21,804	12,764	5,780	10,287
Hay, Wild	22,411	10,335	8,500	3,186
Oats	12,400	9,390	8,465	8,400
Pasture, Range	210,000	234,124	209,100	143,798
Pasture, Ladinc Clover	25,686	50,449	89,040	87,329
Pasture, Sudan Grass	2,433	1,599	1,795	1,405
Potatoes, All	7,760	6,434	6,390	5,314
Pumpkins	489	605	520	534
Rice	2,681	6,195	15,153	4,602
Silage Corn	1,670	615	1,795	4,975
Sugar Beets	7,250	7,976	17,550	20,849
Sunflowers	1,563	1,052	3,205	3,552
Sweet Potatoes	1,606	1,630	1,390	1,301
Wheat	23,237	13,826	12,300	9,309

SAN JOAQUIN COUNTY 1958
 AGRICULTURAL COMMISSIONER'S REPORT

THE TREND OF VEGETABLE CROPS AT FIVE YEAR INTERVALS

BEARING ACREAGE

CROP	YEAR 1943	YEAR 1948	YEAR 1953	YEAR 1958
Asparagus	36,938	45,130	53,806	59,166
Beets, Table	420	35	75	106
Cabbage	250	76	35	178
Cauliflower	100	88	10	57
Carrots	2,653	626	375	839
Celery	5,950	3,950	2,565	1,178
Corn, Sweet	707	446	570	517
Cucumbers	90	248	260	179
Garlic	30	20	5	3
Lettuce	160	81	70	649
Melons, All	1,481	2,505	2,905	2,108
Onions	1,700	2,424	3,170	2,085
* Peas	4,200	913	1,000	-----
Peppers	70	70	250	555
* Spinach	1,500	560	550	50
Squash	439	212	540	460
Strawberries	40	212	700	598
Tomatoes, Round	14,000	22,395	28,845	45,017
Tomatoes, Pear	6,500	2,276	1,130	2,085

* Rains and floods caused complete crop loss in 1958.

SAN JOAQUIN COUNTY 1958
 AGRICULTURAL COMMISSIONER'S REPORT

APIARY PRODUCTS

Honey	\$1,341,000	Lbs.	@	.121	\$	162,261.00
Bees Wax	24,741	Lbs.	@	.440		10,886.00
Queen Bees	6,700	Queens	@	1.00		6,700.00
Pollenization	24,760	Colonies	@	2.25		<u>55,710.00</u>
					\$	235,557.00

DAIRY PRODUCTS

Milk and Milk Products	\$ 17,037,930.00
------------------------	------------------

LIVESTOCK

Beef Cattle and Calves	\$ 27,984,000.00
Hogs	475,200.00
Sheep and Wool	<u>211,300.00</u>
	\$ 28,670,500.00

POULTRY

Chickens	\$ 1,196,280.00
Eggs	2,672,445.00
Turkeys	<u>686,210.00</u>
	\$ 4,554,935.00

SUMMARY

Fruit and Nut Crops	\$ 38,924,159.00
Field Crops	38,258,560.00
Vegetable Crops	46,651,292.00
Seed Crops	2,753,638.00
Apiary Products	235,557.00
Dairy Products	17,037,930.00
Livestock	28,670,500.00
Poultry Products	<u>4,554,935.00</u>
	\$ 177,086,571.00

SAN JOAQUIN COUNTY 1958
 AGRICULTURAL COMMISSIONER'S REPORT

ANNUAL EXPENDITURES

Administration		\$ 34,392.02
Plant Quarantine		49,834.83
Fruit, Nut, Vegetable, Honey and Egg Standardization		21,523.79
Field and Orchard Inspection		37,765.31
Nursery Inspection		2,452.50
Seed Inspection		3,232.09
Rodent Control		17,935.48
Weed Control		22,394.19
Apiary Inspection		2,614.45
Crop Statistics		13,150.45
Gardener & Janitor		<u>7,032.00</u>
	Total	\$ 212,327.11
Capital Outlay		<u>572.10</u>
	Total	\$ 212,899.21

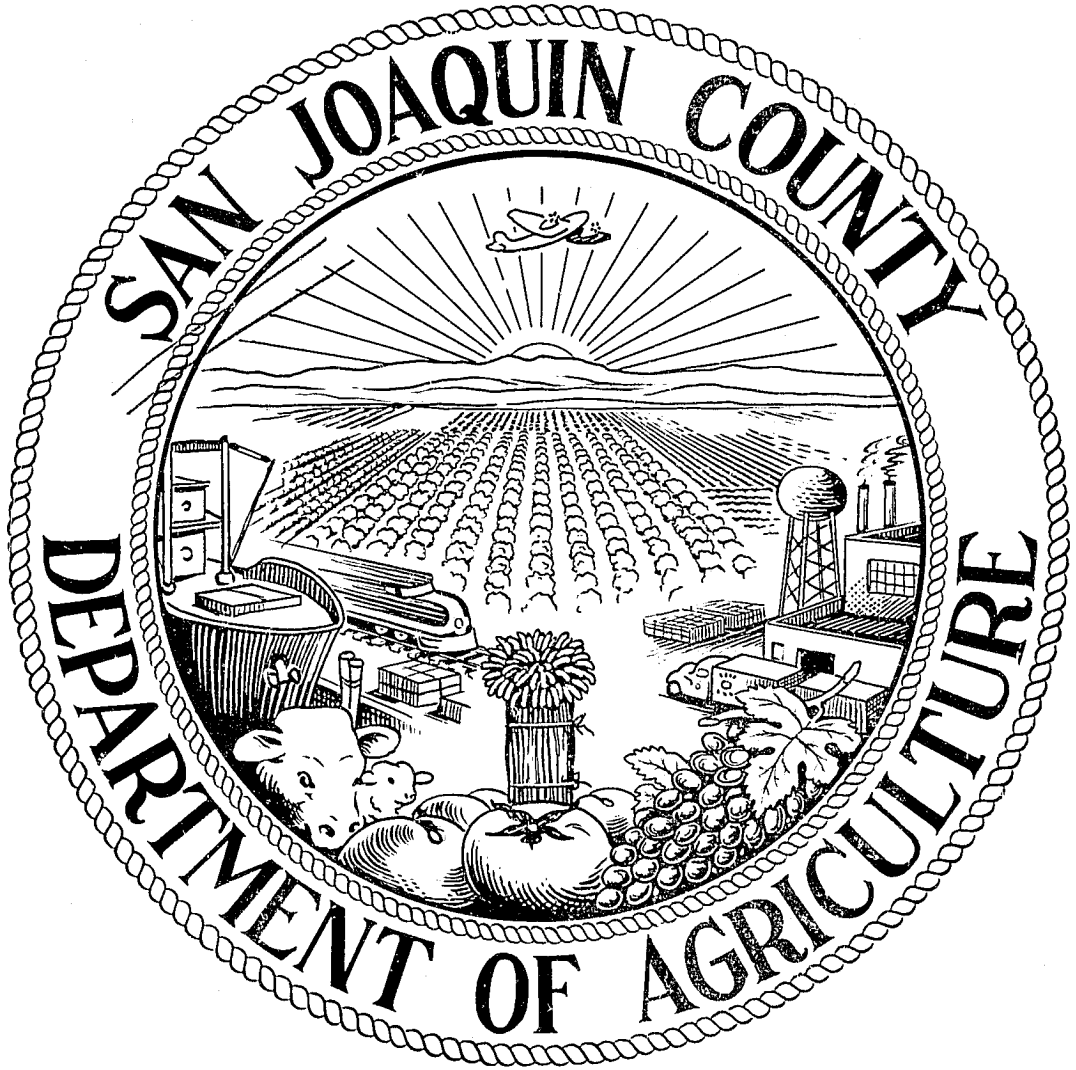
SPECIAL WEED CONTROL

Salaries and Wages		\$ 35,342.42
Maintenance and Operation		20,783.83
Capital Outlay		<u>375.13</u>
	Total	\$ 56,501.38



1959

1959



Agricultural Report

Agricultural Commissioner

Austin E. Mahoney

CALIFORNIA
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Department of Agriculture

AUSTIN E. MAHONEY
AGRICULTURE COMMISSIONER

1868 EAST HAZELTON AVENUE
STOCKTON, CALIFORNIA

POST OFFICE BOX 1809
TELEPHONE HO 6-6806

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-sixth 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. The 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.

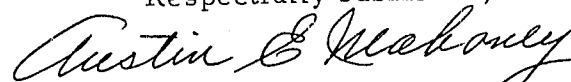
You will note that the format of this annual report is considerably different than in former years. There is a definite reason for this change. As a result of a study carried on by the State Department of Agriculture and the Agricultural Commissioners throughout the state, a new uniform reporting system has been established so that each county is reporting each particular crop in exactly the same way. The San Joaquin County Annual Report is this year and will continue to be in accordance with this system.

You will also note that the 1958 and the 1959 figures are included in the report. Because of the change in reporting system, the 1958 figures in the report may not correspond exactly to those figures for the same crops in last year's published report.

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.

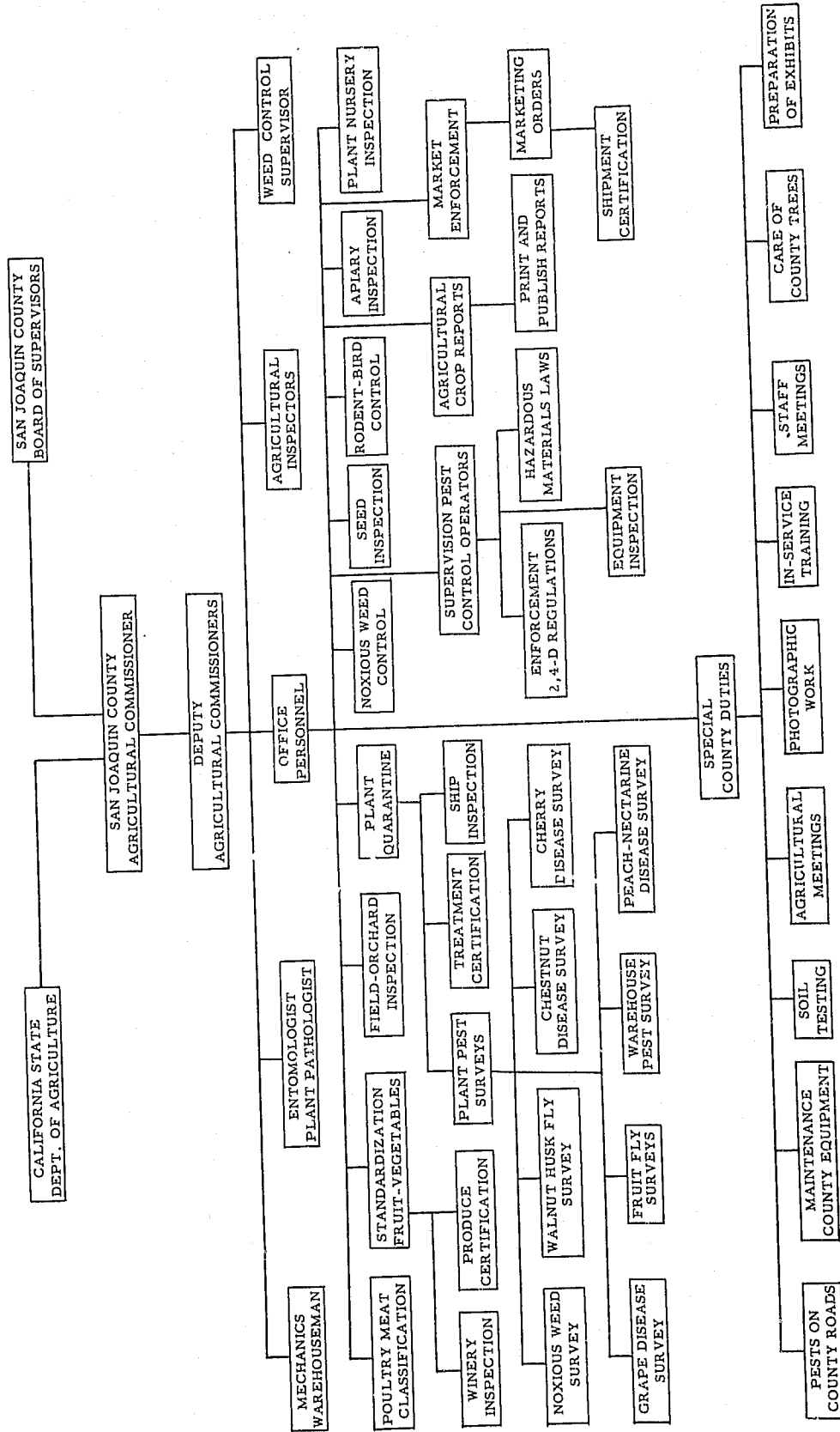
I wish to express my sincere appreciation to all who have assisted my inspectors and deputies by furnishing necessary information to them, which has made the compilation of this report possible.

Respectfully submitted,



AGRICULTURAL COMMISSIONER

Functions of the San Joaquin County Department of Agriculture



SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE, 1958-59

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per Unit	Total
Barley	1959	60,894	1.63	99,257	Ton	42.00	\$4,168,794
	1958	59,768	1.26	75,308		45.00	3,388,860
Beans, dry edible***							
Blackeye	1959	10,176	17.29	175,943	Cwt.	7.00	1,231,601
Kidney	1959	2,255	14.50	32,698		10.50	343,329
Lima	1959	2,825	16.45	46,471		8.90	413,592
Other	1959	217	20.03	4,347		8.00	34,776
Beans, dry edible*	1958	20,557	19.41	399,011		8.21	3,275,880
Corn	1959	31,846	2.00	63,692	Ton	46.00	2,929,832
	1958	27,377	2.50	68,442		50.00	3,422,100
Hay Alfalfa	1959	57,174	7.28	416,227	Ton	25.40	10,572,166
	1958	52,298	7.25	379,160		24.00	9,099,840
Grain	1959	8,371	1.50	12,556	Ton	18.50	232,286
	1958	10,287	1.75	18,002		18.00	324,036
Wild	1959	3,273	1.25	4,091	Ton	18.00	73,638
	1958	3,186	1.50	4,779		18.00	86,022
Oats	1959	7,114	.50	3,557	Ton	50.00	177,850
	1958	8,400	.50	4,200		42.00	176,400
Pasture and range Irrigated	1959	85,690	XXXX	XXXXXX		XXXX	3,856,050
	1958	87,329	XXXX	XXXXXX		XXXX	3,929,805
Range	1959	168,227	XXXX	XXXXXX		XXXX	841,135
	1958**	168,798	XXXX	XXXXXX		XXXX	843,990
Sudan	1959	679	XXXX	XXXXXX		XXXX	16,975
	1958	1,405	XXXX	XXXXXX		XXXX	35,125
Stubble	1959	80,500	XXXX	XXXXXX		XXXX	128,250
	1958	90,460	XXXX	XXXXXX		XXXX	135,690
Rice	1959	7,088	2.50	17,720	Ton	85.00	1,506,200
	1958	4,602	2.23	10,262		85.00	872,270
Silage, Corn	1959	4,515	15.50	69,982	Ton	7.50	524,865
	1958	4,975	16.50	82,087		7.50	615,652

* Beans were not broken down as to variety in 1958.

** Corrected 1958 Acreage

*** See Seed Crops for seed acreage

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE, 1958-59 (Cont'd.)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per Unit	Total
Sorghum grain	1959	22,704	2.50	56,760	Ton	41.00	2,327,160
	1958	25,549	2.75	70,259		43.40	3,049,240
Sugar Beets	1959	19,740	24.75	488,565	Ton	14.00	6,839,910
	1958	20,849	18.00	375,282		12.75	4,784,845
Sunflowers	1959	1,945	.75	1,459	Ton	140.00	204,260
	1958	3,552	.60	2,131		150.00	319,650
Wheat	1959	9,085	1.95	17,716	Ton	63.00	1,116,108
	1958	9,309	.75	6,982		64.00	446,848
Land under Soil Bank	1959	7,322	XXXX	XXXXXX		XXXX	108,156
	1958	836	XXXX	XXXXXX		XXXX	9,201
Total	1959	591,640	XXXX	XXXXXX	XXX	XXXX	37,646,933
	1958	599,537	XXXX	XXXXXX	XXX	XXXX	34,815,454

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE, 1958-59

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per Unit	Total		Per Unit	Total
Alfalfa	1959	1,039	550.0	571,450	Lb.	.23	131,434
	1958	1,404	679.0	953,316		.22	209,730
Asparagus	1959			6,670	Lb.	2.00	13,340
	1958			4,800		1.60	7,680
Barley	1959	1,160	2,500.0	2,900,760	Lb.	.215	623,663
Beans							
Certified Seed							
Kidney							
Dark Red	1959	1,240	14.0	17,360	Cwt.	17.50	303,800
	1958	678	12.26	8,312		10.00	83,120
Light Red	1959	4,778	14.5	69,281	Cwt.	18.00	1,247,058
	1958	4,610	11.93	54,997		10.00	549,970
White	1959	55	14.0	770	Cwt.	15.50	11,935
	1958*						
Blackeye	1959	34	18.5	629	Cwt.	8.50	5,347
	1958*						
Others	1959	200	18.5	3,700	Cwt.	14.00	51,800
	1958	595	12.9	7,675		11.35	87,111
Clover	1959	407	275.0	111,925	Lb.	.80	89,540
	1958	783	255.0	199,665		.50	99,833
Misc. Field Crops	1959	100	250.0	25,000	Lb.	.50	12,500
Oats	1959	180	1,000.0	180,700	Lb.	.25	45,175
Ornamental Seed	1959	22	873.86	19,225	Lb.	3.91	75,170
Potatoes	1959	580	276.0	160,080	Cwt.	3.85	616,308
	1958	1,230	300.0	369,000		2.00	738,000
Sudan Grass	1959	250	2,300.0	575,000	Lb.	.06	34,500
Vegetable Seed	1959	224	160.0	35,840	Lb.	.65	23,296
Wheat	1959	374	2,500.0	935,130	Lb.	.05	46,757
Total	1959	10,643	XXXX	XXXXXX	XXX	XXX	\$ 3,331,623

Included in others in 1958 Report

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE, 1958-59

Crop	Year	Harvested acreage	Production		Unit	Value		
			Per acre	Total		Per unit	Total	
Asparagus Shipping	1959	54,873	29.18	1,601,194	30#	4.00	\$ 6,404,776	
	1958	59,166	36.18	2,141,190	Pkg.	4.29	9,185,705	
	Processing	1959		.93	51,032	Ton	200.00	10,206,400
		1958		1.00	59,400		190.00	11,286,000
Cabbage	1959	172	25.35	4,360	Ton	22.00	95,920	
	1958	178	10.72	1,908		57.70	110,091	
Carrots	1959	912	20.00	18,240	Ton	20.00	364,800	
	1958	839	20.00	16,780		31.46	527,898	
Gauliflower	1959	74	5.00	370	Ton	75.00	27,750	
	1958	57	6.10	347		100.00	34,700	
Celery	1959	1,008	558.00	562,464	63#	2.45	1,378,037	
	1958	1,178	481.00	566,618	Pkg.	2.25	1,274,890	
Corn, sweet Shipping	1959	1,530	133.00	203,490	46#	1.95	396,806	
	1958	517	225.00	116,325	Pkg.	1.15	133,773	
Cucumbers	1959	224	475.00	106,400	48#	1.35	143,640	
	1958	179	500.00*	89,500	Box	1.25	111,875	
Lettuce, head	1959	502	390.00	195,780	42#	1.50	293,670	
	1958	649	240.00	155,760	Pkg.	1.95	303,732	
Melons Cantaloupe	1959	253	5.10	1,290	Ton	87.50	112,875	
	1958	210	9.17	1,925		69.20	133,210	
Casaba	1959	267	10.84	2,894	Ton	55.00	159,170	
	1958	272	8.70	2,366		22.50	53,235	
Cranshaw	1959	142	6.06	860	Ton	105.00	90,300	
	1958	161	7.60	1,223		40.00	48,920	
Honeydew	1959	98	6.98	684	Ton	65.00	44,460	
	1958	92	5.20	478		30.00	14,340	
Persian	1959	17	4.82	82	Ton	106.50	8,733	
	1958	19	5.60	106		40.00	4,240	
Watermelon	1959	1,701	15.50	26,365	Ton	24.00	632,760	
	1958	1,354	14.30	19,362		22.00	425,964	
Onions, dry Early	1959	1,664	900.00	1,497,600	50#	1.00	1,497,600	
	1958	1,517	520.00	788,840	Sack	.75	591,630	
	Late	1959	612	800.00	489,600	50#	1.35	660,960
		1958	568	900.00	511,200	Sack	2.45	1,252,440
Onions, green	1959	612	2.65	1,622	Ton	65.00	105,430	
	1958	0						

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE, 1958-59 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Peppers, bell	1959	504	7.5	3,780	Ton	24.50	\$ 92,610
	1958	555	18.5	10,267		50.00	513,350
Potatoes	1959	4,654	264.0	1,228,656	Cwt	2.70	3,317,371
	1958	5,314	265.0	1,408,210		1.45	2,041,904
Pumpkins	1959	421	16.2	6,820	Ton	8.00	54,560
	1958	534	9.33	4,982		20.00	99,640
Spinach	1959	480	4.5	2,160	Ton	23.00	49,680
	1958	50	8.0	400		31.50	12,600
Squash	1959	247	10.0	2,470	Ton	15.00	37,050
	1958	460	14.0	6,440		15.00	96,600
Sweetpotatoes	1959	987	123.0	121,401	50# Bskt	3.00	364,203
	1958	1,301	225.0	292,725		3.00	878,175
Tomatoes Round Shipping	1959	40,225	33.23	1,336,921	34#Pkg Ton	2.68	3,582,948
	1959		16.5	663,712		21.50	14,269,808
Round Shipping Processing	1958	45,017	14.79	665,670	34#Pkg Ton	2.40	1,597,608
	1958		16.08	723,873		22.50	16,287,142
Pear	1959	1,626	13.0	21,138	Ton	27.50	581,295
	1958	2,085	11.39	23,748		27.50	653,070
Truck Garden Misc. Veg.	1959	1,108	XXXX	XXXXXX	XXXX	500.00	554,000
	1958	1,060	XXXX	XXXXXX	XXXX	500.00	530,000
Total	1959	14,913	XXXX	XXXXXX	XXXX	XXXX	\$45,527,612
	1958	23,332	XXXX	XXXXXX	XXXX	XXXX	48,202,732

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

FRUIT & NUT CROPS: ACREAGE, PRODUCTION, AND VALUE, 1958-59

Crop	Year	Harvested acreage	Production		Value		
			Per acre	Total	Unit	Per Unit	Total
Almonds	1959	9,257	1.50	13,886	Ton	440.00	6,109,840
	1958	8,899	.48	4,271		800.00	3,416,800
Almond Hulls	1959		1.00	9,257		10.00	92,570
	1958		.60	5,339		10.00	53,390
Apricots Processing	1959	1,147	6.2	7,111	Ton	115.00	817,765
	1958	960	6.0	5,760		145.00	835,200
Bushberries	1959	216	1.50	324	Ton	180.00	58,320
	1958	193	6.00	1,158		200.00	231,600
Cherries Shipping	1959	4,606	.73	3,362	Ton	650.00	2,185,300
	1958	4,303	.59	2,539		632.70	1,606,425
Processing	1959		.77	3,547	Ton	400.00	1,418,800
	1958		.67	2,883		367.55	1,059,647
Chestnuts	1959	69	1.24	86	Ton	328.00	28,208
	1958	69	1.13	78		364.00	28,392
Grapes Tokay Shipping	1959	21,148	125.29	2,649,630	28#	2.02	5,352,253
	1958	21,789	192.25	4,189,022	Pkg.	2.05	8,587,495
Wine	1959		6.43	135,914	Ton	38.00	5,164,732
	1958		5.83	127,030		38.76	4,923,683
Other Table Varieties Shipping	1959	1,181	22.37	26,419	28#	1.81	47,818
	1958	1,264	30.60	38,681	Pkg.	2.31	89,353
Wine	1959		6.93	8,184	Ton	46.00	376,464
	1958		7.54	9,538		40.00	381,520
Wine Varieties Shipping	1959	24,354	2.50	60,885	Ton	105.00	6,392,925
	1958	25,577	1.13	28,882		109.53	3,163,445
Wine	1959		4.04	98,227	Ton	43.00	4,223,761
	1958		5.37	137,349		44.10	6,057,091
Nectarines	1959	195	138.98	27,101	28#	1.82	49,324
	1958	165	167.50	27,631	Box	2.30	63,551

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

FRUIT & NUT CROPS: ACREAGE, PRODUCTION, AND VALUE, 1958-59 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per Unit	Total
Olives	1959	391	1.84	719.44	Ton	273.00	196,407
	1958	384	1.12	430.08		135.00	58,061
Peaches Clingstone Processing	1959	6,226	11.05	68,797	Ton	55.00	3,783,835
	1958	5,798	9.23	53,516		66.00	3,532,056
Freestone Shipping	1959	2,056	48.93	100,604	25#	1.40	140,846
	1958	1,892	36.0	67,964	Pkg.	1.65	112,141
Processing	1959		7.98	16,407	Ton	50.00	820,350
	1958		6.70	12,676		47.50	602,110
Dried	1959		.078	160.5	Ton	403.65	64,786
	1958		.076	143.0		500.00	71,500
Pears Bartlett Processing	1959	163	19.11	3,115	Ton	65.00	202,475
	1958	83	10.60	880		90.00	79,200
Plums	1959	715	218.82	156,457	25#	2.74	428,692
	1958	671	115.31	77,379	Pkg.	3.31	256,124
Strawberries Shipping	1959	713	1.75	1,248	Ton	375.75	468,936
	1958	598	1,200.0	717,600	Crate	1.80	1,291,680
Processing	1959		7.52	5,632	Ton	240.00	1,386,880
Walnuts English	1959	14,999	.60	8,999	Ton	470.00	4,229,530
	1958	14,562	.77	11,213		350.00	3,924,550
Black	1959	218	1.40	305	Ton	50.00	15,250
	1958	149	2.95	440		40.00	17,600
Miscellaneous Apples) Figs) Pecans () Persimmons) Prunes)	1959	350	XXXX	XXXXXX	XXX	200.00	70,000
	1958	374	XXXX	XXXXXX	XXX	145.00	54,230
Total	1959	88,004	XXXX	XXXXXX	XXX	XXXX	\$44,026,067
	1958	87,730	XXXX	XXXXXX	XXX	XXXX	40,496,844

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE, 1959

Item	Quantity sold by producers	Unit	Value	
			Per unit	Total
Nursery Crops				
Deciduous fruit & nut trees	328,00	Plant	1.00	\$ 328,000
Grape vines	65,600	Plant	.09	5,850
Rose plants	10,550	Plant	1.00	10,550
Vegetable plants - field grown	75,563,000	Plant	.006	453,378
Ornamental trees & shrubs	103,524	Plant	.97	100,418
Bedding plants	114,421	Flat	1.54	176,208
Bulbs, rhizomes, roots, etc.	50,000,000	Root	.007	350,000
Total - 1959 1958 *	XXXXXXXX	XXX	XXXX	\$1,424,404 505,500

APIARY PRODUCTS: PRODUCTION AND VALUE, 1958 - 1959

Crop	Year	Production Total	Unit	Per unit	Total
Honey	1959	643,469	Lb	.10	\$ 64,347
	1958	1,341,000		.12	160,920
Beeswax	1959	9,861	Lb	.45	4,437
	1958	24,741		.44	10,886
Queen Bees	1959	3,750	Ea	1.00	3,750
	1958	6,700		1.00	6,700
Pollination	1959	15,600	Colony	3.00	46,800
	1958	24,760		2.25	55,710
Total	1959	XXXXXXXX	XXXX	XXX	\$119,334
	1958	XXXXXXXX	XXXX	XXX	234,216

* Reported under Seed Crops in 1958 Report

SAN JOAQUIN COUNTY 1959
 AGRICULTURAL COMMISSIONER'S REPORT

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION & VALUE, 1958-59

Item	Year	Production	Unit	Value	
				Per Unit	Total
Milk Market	1959	3,004,720	Cwt.	4.08	12,259,250
	1958	2,731,560		4.03	11,008,186
Manufacturing	1959	1,356,320	Cwt.	3.30	4,475,856
	1958	1,513,750		3.22	4,874,275
Wool	1959	1,009,374	Lb.	.45	454,218
	1958	781,734		.41	320,511
Eggs, chicken Market	1959	9,817,072	Doz.	.32	3,141,463
	1958	7,032,750		.38	2,672,445
Total	1959	XXXXXX	XXX	XXX	\$20,330,795
	1958	XXXXXX	XXX	XXX	18,875,417

JANUARY 1 INVENTORIES OF LIVESTOCK & POULTRY, 1958-59

Item	January 1, 1959	January 1, 1958
Cattle and calves		174,900
All	181,100	61,500
Milk cows 2 years and over	60,100	113,400
Cattle and calves on feed	121,000	
Sheep and lambs		115,714
All	154,502	59,225
Stock sheep	78,955	
Hogs and pigs	12,500	13,200
Hens and pullets of laying age	589,024	421,965

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1958-59

Item	Year	Production		Unit	Value	
		No. of head	Total liveweight		Per Unit	Total
Cattle and calves	1959	93,742	534,252	Cwt.	24.00	12,822,048
	1958	90,168	526,114		22.00	11,574,508
Sheep and lambs	1959	75,547	83,102	Cwt.	15.00	1,246,530
	1958	56,589	62,248		17.75	1,104,902
Hogs and pigs	1959	54,000	108,000	Cwt.	15.00	1,620,000
	1958	47,000	94,000		22.30	2,096,200
Broilers and fryers	1959	3,048,571	5,335,000	Lb.	.17	906,950
	1958	3,047,943	5,333,900		.20	1,066,780
Other chickens	1959	382,857	1,340,000	Lb.	.08	107,200
	1958	370,000	1,295,000		.10	129,500
Turkeys	1959	75,000	1,125,000	Lb.	.38	427,500
	1958	198,902	2,983,522		.23	686,210
Total	1959	XXXX	XXXXXX	XX	XXX	\$17,130,228
	1958	XXXX	XXXXXX	XX	XXX	16,653,100

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

PERMANENT CROPS

Crop & Variety	Non-Bearing Acreage	Bearing Acreage	Crop & Variety	Non-Bearing Acreage	Bearing Acreage
ALMONDS			GRAPES (Raisin)		
Davey	645	85	Muscat	7	119
Drake	31	169	Thompson Seedless	257	615
I.X.L.	0	55	Zante Currant	0	8
Jordanola	27	719	TOTAL	264	742
Mission	597	3,164	GRAPES (Table)		
Ne Plus Ultra	58	519	Almeria	0	12
Non Pareil	2,330	4,255	Cardinal	0	43
Peerless	84	281	Concord	0	7
Other	46	10	Emperor	0	113
TOTAL	3,818	9,257	Italia	1	0
APPLES			Malaga	0	66
Astrachan	1	7	Red Malaga	0	1
Delicious	3	1	Ribier	8	79
Golden Delicious	3	0	Tokay	534	21,148
Gravenstein	0	1	Other	3	118
Other	2	0	TOTAL	546	21,587
TOTAL	9	9	GRAPES (Wine)		
APRICOTS			Alicante Bouschet	12	2,428
Blenheim & Royal	427	696	Burger	2	701
Moorpark & Hemskirk	0	2	Carignane	587	6,236
Tilton	556	449	Colombar	0	20
TOTAL	983	1,147	Franklen-Reisling	0	22
CHERRIES			French Columbard	0	64
Bing	1,859	2,430	Golden Chasselas	0	64
Black Republican	5	23	Grenache	744	1,180
Burbank	0	34	Mataro	0	21
Chapman	3	118	Mission	224	1,286
Lambert	103	267	Palomino	25	726
Royal Ann	280	1,194	Petite Sirah	20	316
Tartarian	100	510	Salvador	0	248
Other	81	30	Sauvignon Blanc	0	23
TOTAL	2,431	4,606	Semillion	12	36
CHESTNUTS (All)			Zinfandel	60	7,581
	1	69	Other White	0	4
FIGS			Other Dark	12	398
Black	0	20	TOTAL	1,698	21,354
Kadota	0	6	NECTARINES		
TOTAL	0	26	Freedom	7	4
			Late Le Grand	40	3
			Le Grand	17	54
			Quetta	1	31
			Red Grand	0	1
			John Rivers	0	81
			Sun Grand	21	4
			Other	10	17
			TOTAL	96	195

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

PERMANENT CROPS (Cont'd)

Crop & Variety	Non-Bearing Acreage	Bearing Acreage	Crop & Variety	Non-Bearing Acreage	Bearing Acreage
OLIVES			PEARS		
Ascolano	0	31	Bartlett	521	163
Manzanillo	9	216	Winter Nelis	1	0
Mission	0	102	TOTAL	522	163
Sevillano	0	7			
Others	0	35	PERSIMMONS (All)		
TOTAL	9	391		1	4
PEACHES (Cling)			PECANS (All)		
Andora	21	143		1	2
Carolyn	138	175	PLUMS		
Corona	62	109	Ace	5	17
Cortez	252	345	Burbank	0	2
Dixon	464	24	Burmosa	2	0
Dix-66	81	36	Duarte	18	88
Fortuna	173	177	El Dorado	106	72
Gaume	441	1,034	Jefferson	9	2
Gomes (Stuart)	192	506	Laroda	21	1
Halford	1,004	1,482	Late Santa Rosa	1	11
Hauss	0	16	President	9	35
Johnson	0	84	Santa Rosa	80	228
Libbee	0	40	Sugar	10	47
Paloro	209	1,125	Tragedy	57	182
Peak	10	132	Others	82	30
Phillips	0	106	TOTAL	400	715
Shasta	24	50	PRUNES		
Sims	1	12	French	34	4
Stanford	13	157	Robe de Sergeant	0	1
Starn	195	37	Sugar	0	4
Sullivan	52	37	TOTAL	34	9
Vivian	329	108	WALNUTS		
Walton	0	32	Concord	7	41
Williams	0	12	Eureka	797	3,984
Wiser	105	38	Franquette	158	3,635
Others	327	209	Hartley	861	1,078
TOTAL	4,093	6,226	Mayette	5	625
PEACHES (Freestone)			Payne	801	5,236
Babcock	0	5	Placentia	0	84
Early Elberta	21	34	Waterloo	61	173
Elberta	635	1,475	Others	51	110
Gold Dust	0	5	Seedlings	63	33
J. H. Hale	4	132	TOTAL	2,804	14,999
Lovell	0	132	BLACK WALNUTS		
Muir	0	58		2,100	218
Red Haven	10	28			
Rio Oso Gem	35	145			
Salway	1	2			
Others	30	40			
TOTAL	736	2,056			

SAN JOAQUIN COUNTY 1959
AGRICULTURAL COMMISSIONER'S REPORT

SUMMARY

Fruit and Nut Crops	\$ 44,026,067
Field Crops	37,646,933
Vegetable Crops	45,527,612
Seed Crops	3,331,623
Nursery Products	1,424,404
Apiary Products	119,334
Livestock & Poultry Products	20,330,795
Livestock & Poultry *	17,130,228
Total	\$ 169,536,996

* Figures for livestock and poultry represents sales of commodities and does not include the value of inventories on the farm.