

1934

COUNTY OF S.

OFFICE OF  
COUNTY COMMISSIONER OF AGRICULTURE  
AND  
STATE QUARANTINE GUARDIAN  
SACRAMENTO, CALIFORNIA

A. E. MORRISON  
AGRICULTURAL COMMISSIONER

Mr. Charles Deterding, Manager  
County of Sacramento  
Sacramento, Cal.

Dear Sir:

I submit herewith my annual report covering the activities of this office for the year 1934.

The winter and spring of 1933 and 34 was extremely mild and with warm spring showers made conditions ideal for crops in general. Almond trees started blooming on February 14th and asparagus shipments were started early in February about three weeks earlier than in 1933 and ten days earlier than a normal season. This same condition continued throughout the shipping season of all other fruits and vegetables. Unfortunately, however, the rain and snow fall was so far below normal that pasture conditions became serious long before the end of summer and several hundred head of cattle were moved in to the delta to feed on beet refuse.

The lack of snow caused stream flow to diminish to a minimum permitting salt water to reach well up into the Sacramento Delta interfering with irrigation practices.

A heavy bloom occurred on fruits but only a light crop matured. Showers occurring during the almond bloom interfered with pollination and the crop harvested was less than half normal. Pears also set a light crop with approximately 60% of a normal crop being harvested. It is possible that the light set of fruit was due to lack of sufficient winter rainfall. Grapes, however, suffered from the 112° temperatures recorded late in June 1934 which severely damaged the crop. Practically all bunches of grapes in the Fair Oaks-Folsom area were destroyed with no grapes being harvested from the majority of vineyards in that area. Table grapes along the American River suffered about 45% damage, and Walsh Station, Florin and Elk Grove about 40%.

These conditions had a direct bearing on the decrease of carload shipments during 1934 with 8104 cars having been shipped as compared with 8986 for 1933 or a loss in shipments of 882 cars. Cannery Spinach also suffered from the dry spell.

The heavy rains occurring during November and December of 1934 may help make growing conditions during 1935 more satisfactory.

#### PLANT QUARANTINE

During the year 2860 shipments containing 696,160 parcels originating at points outside California were inspected. This was a decrease of 348 shipments under 1933. 64 Shipments totaling 11,674 parcels were found to be infested with pests or violating state or federal quarantines and were rejected.

Intrastate shipments of fruit trees for planting in Sacramento County showed a decided increase with 91,507 being inspected as compared with 29,347 for 1933 and 72,793 for 1932. Pears, Grapes, Oranges, and Peaches showed decided increases.

22550 Grape vines were dipped in hot water under our supervision to meet phylloxera regulations.

#### INSECTS

Thorough spraying of orchards during the winter of 1933 and spring of 1934 resulted in a decided decrease in the amount of fruit damaged by codling moth and San Jose Scale. While early emergence of codling moths were noted, and some larva were observed working on twigs, the ultimate control was decidedly more satisfactory than in 1933. Very little difficulty was experienced in meeting the state and government spray residue regulations. Some lots had to be resprayed in stronger acid solutions with salt but these lots were mainly from orchards where oil had been added to the arsenate of lead spray.

Three infestations of vegetable weevil were located within the county, two of which were in tomato fields in the lower delta, possibly introduced by vegetable stocklings from the bay region and one infestation in the vegetable producing area of the pocket. This infestation was promptly treated and the land withheld from use for host vegetables. As a result of this action possible quarantine

rot and the berries by a soft rot condition.

Celery mosaic was found in the county for the first time and damage to Celery by Aster Yellows and black heart was severe in several fields.

Drought conditions were favorable for the further developments of bacterial canker in cherries and prunes while the olive trees continued to be damaged by the olive knot which occurred most severely in trees damaged by the frost of 1932.

#### W E E D S

S.E.R.A. Labor was made use of for the destruction of Johnson Grass in the Folsom-Fair Oaks districts. Some work was also done on puncture vine but this work had to be curtailed as the season was too far advanced to be able to readily locate the vines.

Puncture vine was serious during the year although we were able to destroy most of the patches located. Several new infestations were located through the use of S.E.R.A. labor. 767 Gals. of oil was used to spray and burn the infestations located, the most serious being near the town of Folsom where several neglected vineyards were found to be generally infested. Work on these places will have to be undertaken again during the summer of 1935.

Two new infestations of Hoary Cress were located and experimental work with the use of the "jar Method" was undertaken near Sacramento, with the use of both sodium arsenic and chlorate solutions. Negative results were obtained on Hoary Cress but the Knapweed responded to both treatments although the chlorate appeared to give the most satisfactory results, as new growth developed at the crown where the arsenic was used.

One new infestation of purple star thistle was located and destroyed. All known infestations in the county were taken care of.

#### R O D E N T C O N T R O L

Requests for assistance were received from the Galt - Alta Mesa districts and an inspector was placed in this district to handle rodent work. Part time men were also used in the delta, Arcade, and Fair Oaks districts. Four thousand five hundred seventy one pounds of poison grain and two hundred fifty eight gallons of bisulphide was distributed, an increase of eight hundred seventy nine pounds of poison and one hundred and ninety two gallons of gas over 1933. Six hundred seventy five pounds of dwarf milo coated with strychnine was found to be very effective for use in the late summer in the delta for control of squirrels.

Three hundred sixty pounds of crushed oats treated with strychnine was used on Andrus Island for control of meadow mice with satisfactory results. This work may be continued during 1935.

#### B I R D C O N T R O L.

Bird damage during 1934 was less severe than in previous years. Some work was done on linnets and sparrows but no general campaign was undertaken. Corn poisoned with strychnine proved satisfactory in destroying crows while poisoned almonds used in the late summer gave results on magpies and blue jays.

#### S T A N D A R D I Z A T I O N.

Eight thousand one hundred four cars of fruits and vegetables were shipped from the county during 1934 which was a decrease of eight hundred sixty two under 1933. During this same period one thousand six hundred fifty five cars were received, being a decrease of six hundred ninety two cars.

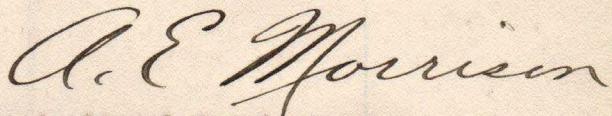
Movement of produce by trucks showed a decided increase, and, with the need of maintaining a high quality standard to meet inspection requirements of the western states it was necessary to use one man full time and one part time on issuing load clearances. During the year three thousand four hundred forty five clearances were issued to trucks moving interstate. Regular produce truck lines are operated from Sacramento to points in Washington, Oregon, Nevada, and Utah and occasionally trucks

are cleared for Montana and North Dakota. The service rendered to these trucks has resulted in an increased number of trucks operating from our markets, the increase over 1933 being six hundred forty one trucks.

One hundred ninety eight lots of produce containing nine thousand three hundred forty nine containers were rejected and held for reconditioning, four arrests were made resulting in a conviction in each case. Arrests are only made as a last resort in cases where other means have failed.

Fruit matured early and satisfactory in all cases and no difficulty was experienced in meeting maturity requirements. The first picking of oranges was made since 1932 with exceptionally good quality. Almost all lots exceeded the 8 to 1 maturity test.

Respectfully Submitted



Agricultural Commissioner  
Sacramento, County

## PLANT QUARANTINE. [Interstate Shipments Only]

	BY MAIL	BY BOAT OR RAIL	BY TRUCK	Stage BY AIR
(1) Number of Shipments Passed	834	1318	473	" 171
(2) Number of Parcels Passed	834	609,991	73,484	171
(3) Number of Shipments Rejected or Destroyed	21	25	18	
(4) Number of Parcels Rejected or Destroyed	21	10,358	1295	

	FOUND-CLEAN	COTTONSEED CONTAMINATED	OTHERWISE CONTAMINATED
Number of Railroad freight cars inspected			90 Cars Steamed
Number of Private railroad cars inspected	FOUND CLEAN	CARRYING CONTRABAND	

### REASONS FOR REJECTIONS

(7) REJECTIONS BECAUSE OF QUARANTINE VIOLATIONS (BOTH INTERSTATE AND INTRASTATE)				REJECTIONS BECAUSE OF PEST INTERCEPTED ON INTERSTATE SHIPMENTS ONLY	
Number of the State Quarantine Order, Circular, Regulation, or Section of State Quarantine Law Violated	(5) Number of Violations	Number of the Federal Quarantine Violated	Number of Violations	NAME OF PESTS INTERCEPTED	(6) NUMBER TIMES INTERCEPTED
Q. O. # 3	1	48	1	Nematode Nevada Potatoes	33
7	1			" Oregon "	6
13	3			" Plants	16
				Crown Gall	2
				Gladiolus Thrip	1

- (2) List each sack, box, or other container as one parcel. In case of bulk shipments, estimate number  
 of parcels if shipment was placed in usual trade container.
- (3) If only portion of shipment rejected and balance passed, list one shipment rejected and one shipment passed.

### Inspection of Intrastate\* Shipments of Nursery Stock

KIND	NO. INSPECTED		NO. REJECTED		CAUSE OF REJECTION
	SHIPMENTS	PLANTS	SHIPMENTS	PLANTS	
DECIDUOUS FRUIT TREES— <i>Rosaceae</i>		26363			
Apples		462			
Apricots					
Cherries—Royal Ann					
Cherries—Other		1031			
Figs—Kadota					
Figs—Calimyrna					
Figs—Other					
Nectarines					
Peaches—Clings		953			
Peaches—Other		2283			
Persimmons					
Plums		3228			
Pomegranates					
Prunes		740			
<i>Quinces</i>	<i>Pears</i>	16365			
Seedlings—Deciduous		30900			
NUT TREES—					
Almonds		1182			
Chestnuts	<i>Filberts</i>	132			
Pecans		105			
Walnuts		130			
SUBTROPICAL FRUITS—					
Avocados					
Citrus Seedlings					
Grapefruit		207			
Lemons					
Limes					
Loquats					
Olives					
Oranges—Navel		5208			
Oranges—Valencia					
Oranges—Tangerine					
Oranges—Other					
Grapes—Wine varieties					
Grapes—Raisin varieties					
Grapes—Table varieties		32557			
Berries—Strawberries					
Berries— <i>Other</i>	<i>All</i>	30122			
Bedding plants		32	1952		
Bulbs—Narcissus		31	4235		
Bulbs—Other		409	91023	2	
Ornamentals			65228	15	
Rose plants					
Vegetable plants					

#### KIND OF STOCK

#### \*INTERSTATE

Berry Plants	22	16362		
Bulbs	214	20159		
" Narcissus	50	4218		
Ornamentals	154	21142		
Bedding Plants	4	16		

Mark the ten insects of most economic importance in order, 1, 2, 3, etc. Estimates of importance should be based on economic loss to county by reduction in value of crop and money spent in control.

## INSECT PESTS

	WHEN THESE PEST ARE LOCATED IN NURSERIES CHECK IN THIS COLUMN	DAMAGE** INDICATE BY CROSS MARK X			PRESENT, YES OR NO	ACRES INFESTED	EXTENT, GENERAL OR LOCAL	HOST
		SEVERE	MEDIUM	SLIGHT				
Woolly apple aphid								
<b>ARACHNIDA*</b>								
Brown mite	3	x	x		Yes		General	Almonds-Prunes
<i>Bryobia praetiosa</i>								
Pear leaf blister mite	6		x		x		General	Pears, Apples
<i>Eriophyes pyri</i>								
Red spider	2	x	x		x		General	All crops
<i>Tetranychus spp.</i>								
<b>ORTHOPTERA</b>								
Crickets* (sp.)				x	x		General	
Grasshoppers* (sp.)			x		x		General	
<b>THYSANOPTERA*</b>		x	x		x		General	Truck Crop Pears
Bean thrips	4							
<i>Hercotriphs fasciatus</i>								
Citrus thrips				x	x	500	Local	Oranges
<i>Scirtothrips citri</i>								
Western flower thrips		x			x	x	General	
<i>Frankliniella californica</i>								
Greenhouse thrips		x			x	x	General	
<i>Heliothrips haemorrhoidalis</i>								
Onion thrips	5	x			x	250	Local	Onions
<i>Thrips tabaci</i>								
Pear thrips			x		x	2500	Local	Pears
<i>Taeniothrips inconsequens</i>								
Vine thrips				x	x	5000	General	Grapes
<i>Drepanothrips reuteri</i>								
<b>HOMOPTERA</b>								
Aphis*								
Bean aphid			x		x		General	
<i>Aphis rumicis</i>								
Black citrus aphid				x	x		Local	Citrus
<i>Toxoptera aurantiae</i>								
Black cherry aphid			x		x	200	Local	Cherries
<i>Myzus cerasi</i>								
Grape phylloxera			x		x	1000	General	Grapes
<i>Phylloxera vitifoliae</i>								
Green apple aphid				x	x	200	Local	
<i>Aphis pomi</i>								
Green peach aphid			x		x		Local	
<i>Myzus persicae</i>								
Mealy plum louse			x		x	1000	General	Prunes
<i>Hyalopterus arundinidis</i>								
Melon aphid			x		x		Local	
<i>Aphis gossypii</i>								
Pea aphid			x		x		Local	
<i>Illinoia pisi</i>								
Rosy apple aphid			x		x		Local	
<i>Anuraphis roseus</i>								
Walnut aphid			x		x	200	Local	
<i>Chromaphis juglandicola</i>								

\*Enter names of insects, if destructive, other than those mentioned.

\*\*See reverse.

## INSECT PESTS—Continued

	FOUND IN NURSERIES	DAMAGE** INDICATE BY CROSS MARK X			PRESENT, YES OR NO	ACRES INFESTED	EXTENT, GENERAL OR LOCAL	HOST
		SEVERE	MEDIUM	SLIGHT				
Woolly apple aphid <i>Eriosoma lanigera</i>				X	Yes		Local	Apples
Woolly pear aphid <i>E. languinosa</i>				X	X	2000	Local	Pears
Mealybugs*								
Grape mealybug <i>Pseudococcus maritimus</i>				X	X	5000	Local	Grapes & Pears
Citrus mealybug <i>Pseudococcus citri</i>	X			X	X		Local	Ornamentals
Citrophilus mealybug <i>Pseudococcus gabani</i>	X			X	X		Local	Ornamentals
Mexican mealybug <i>Phenacoccus gossypii</i>				X	X		Local	
Scales*	Oyster Shell			X	X			
Black scale <i>Saissetia oleae</i>	X		X		X		General	Willows
Brown apricot scale <i>Lecanium corni</i>	X		X		X		General	Apricots & Prunes
Cottony cushion scale <i>Icerya purchasi</i>	X			X	X		Local	Ornamentals
Dictyospermum scale <i>Chrysomphalus dictyospermi</i>	X			X	X		Local	Kentia Palms
Greedy scale <i>Aspidiotus camelliae</i>	X			X	X		Local	
Grey citrus scale <i>Coccus pseudomagnoliarum</i>				X	X		Local	Citrus
Italian pear scale <i>Diaspis pirocola</i>				X	X		Local	Pears - Walnuts
Ivy scale <i>Aspidiotus hederae</i>	X		X	X			Local	Ornamentals
Purple scale <i>Lepidosaphes becki</i>					No			
Red Scale <i>Chrysomphalus aurantii</i>					No			
San Jose scale <i>Aspidiotus perniciosus</i>		X			Yes	200	Local	Cherries, peaches, pears
Soft brown scale <i>Coccus hesperidum</i>	X			X	X		General	
Yellow scale <i>Chrysomphalus citrinus</i>				X	X		Local	Oranges in Sacramento
Leafhoppers*				X	X	10000	general	grapes
Grape leafhopper <i>Erythroneura comes</i>				X	X			
Sugar beet leafhopper <i>Eutettix tenellus</i>			X		X	1000	Local	Sugar Beets & Tomatoes
COLEOPTERA*								
Bean weevil <i>Mylabrus spp.</i>			X		X		Local	Warehouses
Black vine weevil <i>Brachyrhinus sulcatus</i>	X		X	X			Local	Some ornamentals

NAME OF PEST	FOUND IN NURSERIES	INDICATE BY CROSS MARK X			PRESENT, YES OR NO	ACRES INFESTED	EXTENT GENERAL OR LOCAL	HOST
		SEVERE	MEDIUM	SLIGHT				
Darkling ground beetle <i>Tenebrionidae</i>			X		Yes		General	Truck Crop
Diabrotica <i>Diabrotica spp.</i>	X		X		X		General	Truck crops
Dried fruit beetle <i>Carpophilus hemipterus</i>				X	X		Local	
Elm leaf beetle <i>Galerucella xanthomelaena</i>			X		X		Local	
Flat headed apple tree borer <i>Chrysobothris spp.</i>				X	X		General	
Fullers rose weevil <i>Pantomorus godmani</i>	X		X		X		General	Ornamentals-citrus
Grape leaf hoplia <i>Hoplia callipyge</i>			X		X	10000	General	Grapes
Pepper weevil <i>Anthonomus eugenii</i>					?			
Roman weevil <i>Brachyrhinus cribicollis</i>	X		X	X			Local	Ornamentals cit. y of Sacramento
Rough strawberry weevil <i>B. rugosostriatus</i>	X		X	X			Local	
Shot-hole borer <i>Scolytus rugulosus</i>			X		X		General	
Strawberry root weevil <i>B. ovatus</i>					?			
Vegetable weevil <i>Listroderes obliquus</i>				X	X	200	Local	Tomatoes -Turnips
<b>LEPIDOPTERA*</b>								
Artichoke plume moth <i>Platyptilia carduidactyla</i>					No			
California oak moth <i>Ptryganidia californica</i>	I			X			General	
Codling moth of fruits <i>Carpocapsa pomonella</i>	I	X			Yes	8000	General	Less severe than in 19
Codling moth of walnuts <i>Carpocapsa pomonella</i>				X	X	100	Local	
Corn ear worm <i>Heliothis obsoleta</i>	9	X			X		General	Corn, tomatoes
Crambid moths <i>Crambus spp.</i>				X	X		Local	Lawns
Cutworms <i>Noctuidae</i>		X	X		X		General	truck crops
Fruit tree leaf roller <i>Cacoecia argyropila</i>				X	X		General	
Indian meal moth <i>Plodia interpunctella</i>		X			X		General	Prunes
Lima bean pod borer <i>Etiella schisticolor</i>					?			
Orange tortrix <i>Tortrix citrana</i>					?			
Western peach borer <i>Aegeria opalescens</i>					No			
Peach twig borer <i>Anarsia lineatella</i>			X		Yes	4000	General	Stone fruits
Potato tuber moth <i>Gnorimoschema operculella</i>				X	X		Local	

**Lescriptus Bionus poete**

	NAME	SEVERITY			ON NO TSP	INFECTED	ON TOCY POTENTIAL	HOST
		SEVERE	MEDIUM	SLIGHT				
Red humped caterpillar <i>Schizura concinna</i>				X	yes		general	Walnuts
Tent caterpillars <i>Malacosoma</i> spp.				X	X		general	River banks
DIPTERA*				X	X		Local	
Cabbage maggot <i>Hylemyia brassicae</i>				X	X			
Walnut husk fly <i>Rhagoletis suavis</i> subsp. <i>completa</i>					No			
DERMAPTERA*					No			
European earwigs <i>Forficula auricularia</i>					No			
HYMENOPTERA*		X		X	Yes		General	nurseries, households
Argentine ants <i>Iridomyrmex humilis</i>		X		X	Yes		General	pears, cherries
Pear slug <i>Eriocampoides limacina</i>				X	Yes		General	pears, cherries
* Other destructive species not listed Strawberry Root Worm 10		X		X	Yes	1000	General	Strawberries
Canker Worms				X	Yes		General	Cherries
Sycamore Scale		X			Yes		General	Plane trees
Grass Plant Bugs				X	Yes		Local	Ornamentals

## BENEFICIAL INSECTS

## INSECTARY REPORT

**REMARKS:** (use reverse side for remarks)

Lens carnicippe  
Geometrica concava  
Hsq prusbaq carnicippe

June 8, 1934.

Mr. T.D.Urbahns  
Agricultural Commissioner  
Yuba City, Calif.

Dear Sir:

This will acknowledge your request of June 7, 1934 and I will attempt to give you the material asked for. I note in your letter that you also mentioned plant disease. I have no particular objection to this although I had planned on having this subject discussed at a future meeting. If you obtain sufficient response on insects I would suggest that the disease material be held over for possibly our next meeting for presentation by another commissioner.

The number one ranking insect this year is again the codling moth. Adult moths were observed in the delta pear orchards on March 12th. This occurred even before the trees started blooming. Heavy flights took place early in April and apparently there was an almost continual flight, during early spring. On April 25th, with the pears not much over  $\frac{1}{2}$  inch in diameter considerable numbers of infested fruit was located throughout the district. Practically all of the fruit inspected was side infections with the calyx cup full of arsenic untouched. The worm situation with regard to the codling moth in our pears is much more serious than ever before. Orchard sanitation must be universally practiced for the moth population is increasing in spite of the spray program followed.

The Mealy Plum Aphis was generally serious on prunes, while Red spiders and the brown mites appeared earlier than usual but damage so far has been slight. The winter spray program of dormant oil generally followed this winter in the checking of the European red spider.

Canker worms caused severe damage in one orchard when control was not attempted. At least 85% of the fruit was rendered unmarketable. A nearby plum orchard was also invaded. The fall specie was the one involved.

Our tomato plantings were set upon shortly after transplanting by cut-worms and ground beetles which were readily controlled by poison bran mash. The Tomato Flea Beetle also caused heavy loss to the young vines and required the application fo a lead arsenate-hydrated lime dust. In many tomato plantings from 15 to 20% of the vines had to be replaced on account of damage by insects.

The diabrotica (twelve spotted cucumber beetle)has shown a liking to hops and some injury to the vines has been noted.

Plant bugs of all descriptions were active with the grass plant bug rasing havoc with ornamentals in several localities. Plants attacked wilt down over night. Continual use of oil nicotine sprays was necessary to destroy each group of invading bugs.

The sycamore scale in the city of Sacramento put in an early appearance and it looks bad for some of our plane trees. One avenue of Arizona Ash trees is almost wrecked from the Arizona Ash tingids.

Two new infestations of vegetable weevil were found in the delta damaging tomato plants. Without doubt these insects were introduced on carrot stocklings planted by one of the seed companies from stock brought in from the bay district. We have had a most difficult time with some of the seed companies, on the reporting in as and identity of stockling stock.

I have not listed all of our bug friends but feel that the ones listed above have been the most serious to date.

Very truly yours,

Agricultural Commissioner

## PRINCIPAL PLANT DISEASES

	STONE	CITRUS	POME	NUT	VEGETABLE	SUBTROPICAL FRUITS	BUSH AND VINE FRUITS	FIELD CROPS	ORNAMENTAL
1. New Diseases not observed previously.					Celery Mosaic.				Private Barber
2. Indigenous Disease present but without seasonal fluctuation.					Walnut Blight Sclerotium Nolfsii Aster Yellows.				
3. Epidemic, wide-spread outbreak.				Pear Blight Shot Hole Brown Rot	Bacterial Canker Black Heart	Olive Knot	Gray Mold Virus Disease	Mildew Barley Smut	
4. Pandemic, general outbreak.	Brown Rot Green Fruit Rot Gray Mold Peach Blight		Pear Blight				Gray Mold Crinkle Grape Mildew.		

REMARKS:

## PLANT DISEASES, SACRAMENTO COUNTY 1934.

Pear Blight without question ranked first, being severe in all Orchards. This spring it occurred in epidemic form and was most severe. The damage resulting however was far less than the 1922 or 1930 outbreaks. This is possibly due to the fact that the 1930 epidemic caused the removal of close to 2000 acres of trees of an age most susceptible to infection. Cutting and surgery work was resorted to almost entirely with the zinc chloride method being practically unused. Old cankers previously treated with zinc chloride were found containing live blight even after the elapse of several years.

Botrytis (Grey Mold) is placed in second place. Extensive damage to strawberry fields occurred in the form of crown rot while the fruit of cherries, apricots and even almonds was destroyed while on the trees. This same disease caused a stem decay or drying out in bunches of grapes and was quite prominent on tomatoes in our packing sheds. The use of bordeaux sprays 4-5-50 on strawberries and grapes has been found to hold the disease in check.

Brown Rot and Green fruit rot did considerable damage to apricots, cherries, and, to a limited degree, prunes on the tree. Climatic conditions were adverse to satisfactory control measures.

Powdery mildew of grapes was serious in many vineyards due to late spring showers. Growers resorting to immediate resulphuring were able to obtain a satisfactory control. Black mildew was also serious with noticeable injury to some vineyards.

Virus diseases were noticeable bad with Strawberry Crinkle possibly the most damaging. Close examination of the field, removing and destroying vines showing the disease is the only known control.

Some damage was observed caused by the Western Tomato Yellows as well as mosaic.

Celery Mosaic was found in the county for the first time with a large area of the pocket district definitely infected. Asters Yellows, a leafhopper carried disease, completely destroyed several fields of celery. Black heart was also bad in three celery fields.

Sclerotium Rolfsii infestations were less noticeable this year in sugar beets due to the sugar companies careful selection of lands for planting. One bean field in District 1000 was badly injured from this disease.

Bacterial Canker of tomatoes was more widespread than ever before although the crop was not reduced as much as was anticipated.

Barley smut showed up severe in one district.

Olive knot infections in the county continues to be very severe following the severe epidemic of 1933 on trees injured from the frost of 1932. No satisfactory economical control has been demonstrated to date.

Bacterial gummosis did severe damage to cherry trees in the delta area while prune nixx die back was quite prevalent in various parts of the county.

DISEASES

Pear Blight ranked first of the diseases being severe in all orchards. It is one of the most severe epidemics that has ever hit this county although the damage is far less than either the 1930 or 1922 outbreaks. This is possibly due however to the fact that the 1930 epidemic carried the removal of close to 2000 acres of trees of an age to be most susceptible to infection.

Brown rot of Strawberries (Botrytis) possibly takes second place. This disease made severe inroads in the berries at the beginning of the season. Strawberry crinkle has also been bad and is now quite widespread.

Green fruit rot and brown rot raised havoc with our apricots while peach blight has been severe in the almonds.

Black mildew has been most severe in grapes while Bacterial Canker has practically destroyed a 17 acre ranch of tomatoes. Sclerotium Rolfsii showed up early in our sugar beet fields and additional new infestations have already been added to our list for this year.

A survey was made of the hop fields of the county with no hop mildew being found.

Barley Smut.

Grape Mildew

(Downy Mildew of Hops)

Black heart of Celery

Cherry Diseases

## WEED CONTROL

WEEDS	SEVERITY OF INFESTATION	AREA INFESTED, ACRES	AREA TREATED, ACRES	COST OF LABOR AND MATERIAL	TREATMENT
Johnson grass	Med.	700	300		S.E.R.A. Digging
Sandbur					
Russian thistle	Light				
Hoary cress	Light	Waste Places			
Puncture vine	Med.	200			
Camel's thorn					
Morning glory	General				
Yellow star thistle	General				
Purple star thistle	Slight				
Russian knapweed	Light				
Canada thistle	Light				
Bull thistle	Med.				
Milk thistle	General				
Creeping sow thistle					
White horse nettle	Slight				
Other weeds:					

MATERIALS USED	AMOUNT	COST	RESULTS (GOOD, FAIR, POOR)
Petroleum oils	767	.05	Good on P* V
Calcium chlorate			
Sodium chlorate			
Carbon bisulphide			
Arsenicals			
Others			
Equipment			

OTHER METHODS	EXTENT USED	COST

REMARKS:

WEED CONTROL

WEEDS OF SACRAMENTO COUNTY

- 1 - Bermuda; From the Foothills of the Sierra, to the delta by the sea, species of this weed sap the ground of vitality. The common form is abundant in the orchard area while the nut Bermuda raises havoc with the asparagus lands of the delta.
- 2- Johnson Grass - Spreading regularly and is causing a continued increase in expenditures for control. While possibly not the most expensive weed at present, it is about the most prominent.
- 3- Polygonum Muhlenbergii ; Another pest of the delta gardens, locally known as "kelp" a vigorous grower and costs plent to combat..
- 4- Morning Glory ; Very cosmopolitan and disliked by all tillers of the soil.
- 5- Mustard ; the love and delight of the grain farmer, with a field of gold that does not feel like gold.
- 6 - Seaside Heliotrope a severe weed pest of the lower delta, particularly of Asparagus.
- 7 - Creeping Mallow together with Seaside Helitrope, Polygonum and the Nut Bermuda make a serious combination of perennial weeds to make life miserable for our delta farmers.
- 8- Cocklebur; this weed has assumed a most serious place in our flora and complaints regarding its presence are increasing.
- 9 - Puncture Vine and ols favorite and poplar weed. We spend more money on this weed than on all others combined. We just about have it licked except in one area of the county where it is still beyond control. Very severe this Season.
- 10- Klamath Weed this weed has taken a strong fancy to our soils and has shown its adaptability, ranging form better than three feet in height to hardly 6 inches on our plains. Decidedly pernicious. An old timer in this county going back into the early settlements.
- 11- Hoary Cress a damnable weed limited in area of infestation, little spent on its removal for the simple reason that it won't stay removed.
- 12- Russian Knapweed; another one of the serious weeds that I would like to know more about what to do with. Had some success with the Nalt's fruit jars with with the chlorates, but arsenic seemed to stimulate stooling.
- 13- Canada Thistle; a real weed and a serious one particularly where cultivation is not adaptable. Might try some of Walters jars if he can develop a material that will make them turn up their roots. Chlorate showed up better than arsenic but neither one set the world afire.
- 14- Crab Grass ; the urbahn dwellers night mare. Just mentioned it because I and the rest of the people of the city of Sacramento can say we had a beautiful lawn once. A most serious lawn weed and believe you me a costly one.

**Dishonorable Mention:** Water Grass, nut grass, red rice, tule narrow leaf milk weed, wild licorice, milk thistle, Yellow Star Thistle, Napa Star thistle and so on.

Goat Grass has lost its prominent place in the catalogue of our weeds and has been accepted as another range grass somewhat desirable for fall feeding.

A.S.E.R. Project is being operated for the control of Johnson Grass and Puncture Vine in a small area of the county.

## RODENT CONTROL

**SQUIRRELS—**

Strychnined Grain Used by all agencies,	2147	lbs.	Av. cost per lb.	6¢	Number of
acres treated:					
(a) Grazing land	1000	Acres.	Efficiency	90	%
(b) Arable land	2000	Acres.	Efficiency	85	%
Thallium grain used	2424	Pounds.	12¢	Average cost per lb.	
(a) Grazing land	300	Acres.	Efficiency	95	%
(b) Arable land	25000	Acres.	Efficiency	95	%

**Other Types of Poisoned Grain:**

What kinds of poisoned grain?

What acreage covered?

Average cost per acre with poisoned grains (all kinds)

**Carbon Bisulphide Used:**

Pounds	2580	Cost per pound \$	.95	{
Wasteballs used	9500	Cost per 1,000 \$	4.00	
Pumps used	5	Cost per hole \$	.01	
Number of acres treated	8000	Efficiency	97 %	Av. cost per acre \$

Other gas methods used: Efficiency % Av. cost per acre \$

Estimated total rodent control expenditure in county by all agencies \$ 3600

Estimated total expenditure, county only, \$ 900

Estimated annual loss occasioned by rodents, \$

What percentage of squirrels killed in county during the year? 15%

Acres in county cleared of ground squirrels

What areas of government lands (National Forest and Public Domain) cause reinfestation on agricultural lands?

Quantity government land needing attention for rodents?

Acreage government land treated this year 0

Acreage State or State controlled lands 0

**OTHER RODENTS**

Gophers 6-5/8 oz. Strychnine used

Rats 81 oz. squill

Field Mice 360 Lbs. crushed oats.

**REMARKS:**

TYPE OF INSPECTIONS	REASONS FOR REJECTIONS	REJECTIONS AND DISPOSITIONS								ARRESTS MADE	NUMBER CONVICTION	TOTAL FINE TIES (AMOUNT OF FINE AND OTHER SENTENCE)	NUMBER OF DAYS ON STANDARDIZATION (TOTAL DAYS SPENT EACH HEADING)	PACKAGES	CAR LOAD	NUMBER INSPECTED							
		REJECTED			DESTROYED OR DUMPED BY COURT ORDER OR OWNER		RECONDITIONED OR REMARKED FOR SALE OR TO BY-PRODUCTS																
		No. Lots	No.* Pkgs.	Weight	No.* Pkgs.	Weight	No.* Pkgs.	Weight															
Inspections at Point of Origin or at time of packing	Excessive defects	23	756					756															
	IMMATURITY	29	392		26			366															
	Irregular sizes or deceptive pack, display or arrangement	15	344					344		3	1	10 Days	In jail										
	No marks or mismarked									2	2	60 "	suspended										
Highway Station Inspections	Excessive defects																						
	IMMATURITY																						
	Irregular sizes or deceptive pack, display or arrangement	3	241					241															
	No marks or mismarked																						
Wholesale Market or Destination Inspections	Excessive defects	89	6107		572			5535		1	1	30 Day	suspended										
	IMMATURITY	1	50					50															
	Irregular sizes or deceptive pack, display or arrangement	18	762					762															
	No marks or mismarked	13	509					509															
Inspection of Retail Stores, Produce Stands and Retail Truck Dealers	Excessive defects	7	188		60			128															
	IMMATURITY																						
	Irregular sizes or deceptive pack, display or arrangement																						
	No marks or mismarked																						
Total	Excessive defects	119	7051		63.2			6419															
	IMMATURITY	30	442		26			416															
	Irregular sizes or deceptive pack, display or arrangement	36	1347					1347															
	No marks or mismarked	13	509					509															
TOTAL		198	9349		658			8691		4	4		1045										

\*Report either number packages or weight, under their respective headings.

†Report either number packages or carloads, under their respective headings.

NOTE.—Indicate in this space principal commodities covered by this report

## APIARY INSPECTION

			NUMBER OF APIARIES	NUMBER OF COLONIES
RECORD OF MIGRATIONS	INTER-STATE	Owners 64	93	3276
	INTER-COUNTY	Entering California		
	INTER-COUNTY	Leaving California		
	IN-TRA-CO.	Entering County	4	117
	IN-TRA-CO.	Leaving County	5	152
	IN-TRA-CO.	Moving within County	8	242
	APIARY INSPECTION	Inspected	14	767
	AMERICAN FOULBROOD ERADICATION	Infected with American Foulbrood	7	15
	AMERICAN FOULBROOD ERADICATION	Infected with European Foulbrood	2	4
	LEGAL PROCEDURES	Infected with Sacbrood		
	LEGAL PROCEDURES	Adult Bee Diseases (paralysis, etc.)		
	AMERICAN FOULBROOD ERADICATION	Burned American Foulbrood	4	15
	AMERICAN FOULBROOD ERADICATION	Otherwise Treated for American Foulbrood		
No. Certificates Issued				
No. Permits Granted				
No. Abatement Notices Issued				
Arrests Made				
Cases Tried				
No. Convictions				
Total Penalties				
Funds Expended				
\$				

Footnotes or Remarks (Use extra sheets if necessary) :

Packaged Bees shipped	Interstate	1334 Shipments
" " "	Intrastate	27 "
" Queen Bees	Interstate	1017 "
" " "	Intrastate	129 "

## FINANCIAL STATEMENT

	TOTAL	SUBTOTAL	GRAND TOTAL
<b>Salaries and Wages</b>			
Commissioner	\$ 2400		
Deputy Commissioner (s)			
Inspectors	7075.32		
Office help	768.55	\$ 10243.87	
		\$ 3586.75	
<b>Office and General Expense</b>			
<b>Materials and Supplies</b>			
On hand July 1, 1930	\$		
Add purchases during year			
Deduct on hand June 30, 1930		\$	
Equipment purchases		\$	
Deduct refunds due			\$ 15830.62
<b>Classification to agree in total with above:</b>			
Plant Quarantine	\$ 3256.87		
Standardization	589843.00		
Orchard Inspection	2098.21		
Nursery Inspection	250.00		
Rodent Control (County expense)	713.03		
Weed Control (County expense)	404.75		
Apiary Inspections	175.00		
Other Items	1043.55		\$ 15830.62
<b>Budget for current year:</b>			
Plant Quarantine	\$ 2600		
Standardization	6500		
Orchard Inspection	1800		
Nursery Inspection	400		
Rodent Control	800		
Weed Control	650		
Apiary Inspection	200		
Miscellaneous	1136		
			\$ 15886.00

INVESTIGATIVE SURVEY

Summary of Agricultural Post Survey Data of Fair Oaks and adjacent territory  
Under S.E.R.A. project number 35 D 1934.

Project started August 7th 1934 completed on October 12th 1934 at a cost to  
the county as follows:

Salaries	\$112.50
Traveling Expenses	102.72
Misc.	15.00
	<hr/>
	\$ 230.22

Total Premises Reported On ----- 1340  
 " Acreage Covered ----- 22975.07

Crop History District.

Kind	: Acreage Cultivated : Neglected : % : Total Acreage
------	--

Almonds	:	1443	:	266 $\frac{1}{4}$	:	16	:	1709 $\frac{1}{4}$
Apricots	:	200 $\frac{1}{4}$	:	5 $\frac{1}{2}$	:	2	:	205 $\frac{3}{4}$
Apples	:	17 $\frac{1}{2}$	:	1	:	5	:	18 $\frac{1}{2}$
Cherries	:	145	:	14	:	10	:	159
Filberts	:	4 $\frac{1}{2}$	:		:		:	4 $\frac{1}{2}$
Figs	:	12 $\frac{3}{4}$ /4	:	2	:	14	:	14 $\frac{3}{4}$ /4
Grapes	:	2326	:	628	:	24	:	2954
Grapefruit	:	12 $\frac{1}{2}$	:	22 $\frac{1}{2}$	:	7	:	35
Lemons	:	1	:		:		:	1
Nectarines	:	3 $\frac{1}{2}$	:		:		:	3 $\frac{1}{2}$
Oranges	:	775 $\frac{1}{4}$	:	358	:	31	:	1135 $\frac{1}{4}$
Olives	:	1053 $\frac{1}{4}$	:	311 $\frac{3}{4}$ /4	:	22	:	1365
Pears	:	299 $\frac{1}{2}$	:	31 $\frac{3}{4}$ /4	:	9	:	331 $\frac{1}{4}$
Prunes	:	869 $\frac{3}{4}$ /4	:	124	:	12	:	993 $\frac{3}{4}$ /4
Peaches	:	491 $\frac{1}{2}$	:	99	:	16	:	590 $\frac{1}{2}$
Plums	:	308 $\frac{3}{4}$ /4	:	X	:		:	308 $\frac{3}{4}$ /4
Pecan	:	1	:	X	:		:	1
Quinces	:	1 $\frac{1}{2}$	:	X	:		:	1 $\frac{1}{2}$
Walnuts	:	196	:	X	:		:	196
Mixed Fruit	:	1106 $\frac{1}{2}$	:	81 $\frac{1}{2}$	:	6	:	1188
Berries	:	27 $\frac{3}{4}$ /4	:					

Total Fruit & Nuts	9296.50	:	1945.25	17% :	11241.75
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Gardens	:	113			113
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Hay & Grain	:	2861.75	:		2861.75
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Grand Total	:	12271.25	:	1945.25	: 14216.50
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Cultivated Crops	14216.50
Pasture Lands	4732.07
Vacant & Waste	4034.
Total	22982.57

Turkeys and Chickens	24,905
Cows	27

Pest (Weeds)	Times Reported	Percentage of Premises Infested
Morning Glory	553	55%
Bermuda Grass	288	21%
Cockle Bur	161	12%
Johnson Grass	150	11%
Puncture Vine	141	10%
Star Thistle	131	9%
Nut Grass	26	
Klamath Weed	11	
Tar Weed	9	
Night Shade	5	
Water Grass	3	
Clot Bur	2	
Poison Oak	1	
<i>(Rodents)</i>		
Gophers	718	60%
Squirrels	548	41%
Rats	176	13%
Field Mice	2	

(Birds )	Reports on Damage	% of Premises Reporting
Linnets	378	
Blue Jays	303	
Sparrows	99	
Magpies	67	
Crows	64	
Wood Pecker	25	
Robbins	17	
Hawks	5	
Flickers	3	
Blackbirds	3	

## Summary of bird damage Survey.

Crop:	:Linnets	:Sparrows	:Blue Jays	:Magpies	:Crows	:Wood Peckers
Primes:Acres:Comp- :Perc- ; Com: Per.:Com. :Per.:Com.:Per:Com:Per:Com. Per						
:plaint :percentage:						
Almonds : 260 : 1349 : 139 : .53: 18: .07: 125 : .48: 46 : .18: .39: .15: 10 : .04						
Prunes : 128 : 779 : 84 : .66: 11: .09: 52 : .41: 17 : .13: 13: .10: 3 : .02						
Apricots : 50 : 203 : 21: .42: 2: .04: 21 : .42: 6 : .12: 2: .04: 1 : .02						
Cherries : 61 : 133 : 55 : .90: 11: .02: 35 : .57: 8 : .13: 8: .13: 3 : .05						
Grapes : 332 : 2122 : 166 : .50: 24: .07: 92 : .28: 33 : .10: 23: .07: 6 : .02						
Grain : 101 : 2600 : 6 : .06: 1: .01: 14 : .14: 13 : .9: 9: .09: 0 : 0						
Misc. Crops : 226 : 1025 : 182 : .81: 32: .14: 119 : .52: 22: .10: 20: .09: 12 : .05						

Seventeen complaints were received regarding damage by robins and one by quail.

Linnets are by far the most serious bird pest with blue jays ranking next.

Belongs Glass  
Mountain Cycles  
(seeds)  
Tetra Pak  
See  
232  
Office telephone  
Excluded of light fog type fog

Plant Diseases

	Premises	Diseased	% of plantings diseased	100
Pear Blight	93	93	% "	
Olive Knot	257	104	% "	41

Insects

Black Widow Spider	32
Plant Bugs	11

Bees

Standard Hives	263
Box	" 25
Total	288

*A. E. Morrison*  
Agricultural Commissioner  
Sacramento Calif.

TRUCK INSPECTION REPORT  
SACRAMENTO COUNTY 1934

Destination : Jan. :Feb. :March :April :May :June :July :Aug. :Sept. :Oct. :Nov. :Dec. :Total

California :	13	:	10	:	10	:	15	:	12	:	3	:	5	:	70	:	64	:	52	:	21	:	15	:	290
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Idaho :	23	:	11	:	29	:	33	:	32	:	18	:	13	:	19	:	19	:	24	:	14	:	14	:	249
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Montana :	:	:	:	:	:	:	:	:	:	:	1	:	2	:	1	:	:	:	:	:	:	:	4
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Nevada :	90	:	97	:	134	:	153	:	133	:	138	:	131	:		:	102	:	114	:	108	:	95	:	1294
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No. Dakota :	:	:	:	:	:	:	:	:	:	2	:	1	:		:		:		:		:	3
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Oregon :	82	:	85	:	108	:	171	:	135	:	107	:	122	:	78	:	84	:	79	:	86	:	137	:	1274
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Utah :	3	:	6	:	17	:	61	:	17	:	16	:	20	:	1	:	5	:	5	:	11	:	18	:	180
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Washington :	14	:	7	:	13	:	18	:	31	:	3	:	4	:	5	:	6	:	14	:	15	:	21	:	151
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Total :	225	:	216	:	311	:	450	:	360	:	285	:	295	:	174	:	284	:	290	:	255	:	300	:	3445
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Commodity	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total													
Carrots	:1786:	3787	:	3676:	7904	:6008	:2203	:3809	:521	:156	:35	:354	:1154	: 31393												
Cauliflower	:	863	:	403	:	169	:	196	:	22	:	49	:	3	:	62	:	85	:	68	:	75 $\frac{1}{2}$	:	365 $\frac{1}{2}$	:	2361
Lettuce	:	1313	:	959	:	955	:	4072	:	304	:	62	:	174	:	200	:	340	:	368	:	1922	:	6936	:	17605
Sweet Potatoes	:	367	:	487	:	280	:	203	:	49	:	61	:	16	:	144	:	1117	:	9691	:	1354	:	1259	:	15028
Beets	:	191	:	249	:	743	:	3774	:	1181	:	75	:	263	:	25	:	57	:	47	:	156	:	64	:	6825
Celery	:	569	:	525	:	400	:	1552	:	69	:	57	:	63	:	48	:	46	:	74	:	477 $\frac{1}{2}$	:	2439	:	6319 $\frac{1}{2}$
Radish	:	92	:	393	:	1259	:	622	:	554	:	20	:	5	:	18	:	11	:	30	:	35	:	114	:	3153
Turnip	:	552	:	505	:	888	:	4385	:	2362	:	243	:	510	:	189	:	24	:	102	:	110 $\frac{1}{2}$	:	379	:	10249 $\frac{1}{2}$
Spinach	:	142	:	169	:	117	:	12	:	1	:	51	:	14	:	53	:	25	:	3	:	35 $\frac{1}{2}$	:	84	:	706 $\frac{1}{2}$
Parsnip	:	59	:	45	:	28	:	23	:	70	:		:		:		:		:	31	:	26	:	25	:	307
Potatoes	:		:		:	542	:	662	:	516	:	296	:	115	:		:	1	:		:	49	:	2181		

96127 $\frac{1}{2}$

CARLOAD FRUIT & VEGETABLE SHIPPED FROM SACRAMENTO 1934.

Commodity	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	No v.	Dec.	Total
Asparagus	: 51	: 18	: 652	: 137	: 241	916	48	36	:	:	:	:	807
Cabbage	:	:	:	:	:	6	:	:	:	:	:	:	6
Carrots	:	:	:	:	:	5	4	:	:	:	:	:	9
Celery	: 67	:	:	:	:	:	:	:	3	1	: 233	: 322	626
Cherries	:	:	:	23	9	:	34	:	:	:	:	:	32
Grapes	:	:	:	:	:	:	:	202	343	189	:	36	770
Lettuce	:	:	1	60	7	:	:	:	:	:	49	79	196
Mix. Dec.	:	:	:	15	31	149	168	11	15	19	2	:	410
" Vegetables:	14	11	30	55	17	17	24	8	11	6	3	25	221
Onions	:	:	:	:	:	83	21	2	5	2	2	1	116
Oranges	:	:	:	:	:	:	:	:	:	1	:	:	1
Pears	:	:	:	:	:	586	436	91	2	1	10	:	1126
Peaches	:	:	:	:	:	2	9	:	:	:	:	:	11
Peas	:	:	13	7	:	:	:	:	:	2	1	:	23
Plums	:	:	:	17	89	94	6	:	:	:	:	:	206
Potatoes	2	:	:	:	:	1	:	:	8	1	:	:	12
Strawberries:	:	:	201	53	:	:	:	:	:	:	:	:	254
Sugar Beets	:	:	:	:	:	184	577	745	1031	602	:	:	3139
Tomatoes	:	:	:	:	:	:	:	5	28	10	:	:	43
Can. Pears	:	:	:	:	:	59	:	:	:	:	:	:	59
Prunes	:	:	:	:	:	:	3	6	2	7	:	:	17
Can. Peaches	:	:	:	:	:	20	:	:	:	:	:	:	20
Total	83	29	683	504	152	929	988	929	1142	1280	957	428	8104

## CARLOAD FRUIT &amp; VEGETABLES RECEIVED AT SACRAMENTO 1934.

Commodity : Jan.: Feb.: March: April: May : June: July: Aug.: Sept.: Oct. : Nov.: Dec. : Total

Apples	:	3	:	7	:	1	:		:	1	:	1	:	4	:	13	:	50								
Bananas	:	19	:	28	:	22	:	29	:	27	:	17	:	18	:	18	:	21	:	20	:	17	:	19	:	255
Cabbage	:	:	3	:	:	:	:	:	:		:	1	:		:	1	:		:		:	5				
Cauliflower:	:	:	:	:	:	:	:	:	:		:		:	1	:		:	1	:		1	:	2			
Celery	:	3	:	3	:		:		:		1	:			:							7				
Cantalope	:	:	:	:	:	9	:	11	:	1	:		:	.	:		:					21				
Citrus	:	6	:	16	:	8	:	17	:	5	:	2	:		:	1	:		:			55				
Grapefruit	:	:	:	:	:		:		:				1	:	1	:	4	:	4	:	4	10				
Lettuce	:	8	:	8	:	13	:		:	2	:	12	:	2	:	1	:		:	1	:	47				
Lemons	:	:	:	:	:		:		:	1	:	1	:		:		:		:			2				
Melons	:	:	:	:	:		:	13	:	24	:	18	:		:		:		:			55				
Onions	:	17	:		13	:	13	:	2	:			1	:		15	:	5	:			66				
Oranges	:	:	:	:	:	:	:		:	3	:		:		:		1	:				4				
Potatoes	:	106	:	164	:	106	:	105	:	49	:	37	:	59	:	14	:	35	:	143	:	172	:	96	:	1086
Peas	:	:	:	:	:	:	:	:	:		:		:		:		1	:				1				
Sweet Potatoes	:	:	:	:	:	:	:	:	:		:		:			1	:				1					
Tomatoes	:	:	:	:	:		:	1	:		:	2	:	1	:		:		:			4				
Misc.	:	:	:	:	:		:		:	4	:		:		:				:				4			
Total		162	:	226	:	166	:	164	:	107	:	93	:	118	:	37	:	60	:	168	:	213	:	141	:	1655

## BY TRUCK

BOXES FRUIT &amp; VEGETABLES RECEIVED AT SACRAMENTO 1934.

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Apples	:	:	:	:	:	:	:	1495	5737	12293	10222	:	18183
Cauliflower	:	:	:	:	:	:	:	686	1231	1490	245	:	3662
Artichokes	:	:	:	:	:	:	:			1700	2125	:	3825
Cantelope	:	:	:	:	:	:	:	99	63	:	:	:	162
Grapefruit	:	:	:	:	:	:	:	798	418	716	346	:	2278
Lettuce	:	:	:	:	:	:	:	9249	6604	223	11	:	16087
Lemons	:	:	:	:	:	:	:	1599	1072	1111	778	:	4560
Melons	:	:	:	:	:	:	:	186 $\frac{1}{4}$	25 $\frac{1}{2}$	2 $\frac{1}{2}$	:	:	214 $\frac{1}{2}$
Onions	:	:	:	:	:	:	:	1697	279	2865	2741	:	7572
Oranges	:	:	:	:	:	:	:	2909	4677	13837	16846	:	58269
Potatoes	:	:	:	:	:	:	:	10977	13221	9140	11881	:	133320
Peas	:	:	:	:	:	:	:	Q: 160	127	1616	1032	:	2935
Peaches	:	:	:	:	:	:	:	1427	338	:	:	:	1765
Pears	:	:	:	:	:	:	:	306	418	:	:	:	724
Sweet Potatoes	:	:	:	:	:	:	:	587	909	4022	4416	:	9934
Tomatoes	:	:	:	:	:	:	:	316	195	363	462	:	1336
Misc.	:	:	:	:	:	:	:	1949	2471	4969	3936	:	13325
Grapes	:	:	:	:	:	:	:	1340	295	218	:	:	1853

## BOXES FRUIT &amp; VEGETABLES RECEIVED AT SACRAMENTO 1954.

Commodity	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Apples	13374:	5371:	7064:	2760:	717:	339:	100:	1495:	5237:	12400:	14897:	14133:	78787
Bananas	19:	26:	22:	29:	27:	17:	18:	1:	21:	20:	17:	19:	237
Cabbage	1741:	3:	1:	1:	1:	1:	1:	400:	1:	232:	1:	1:	2373
Cauliflower	1:	1:	1:	1:	1:	1:	1:	665:	1241:	3074:	1490:	698:	7187
Celery	2103:	1048:	814:	1:	1:	1:	1:	320:	1:	1000:	1:	1:	4285
Cranberries	1:	1:	1:	1:	1:	1:	1:	1:	1:	1:	1:	1:	1000
Cantelope	1:	1:	1:	1:	1:	1:	1:	2306:	3021:	926:	395:	63:	1:
Citrus	6460:	8113:	6758:	7212:	2107:	5902:	1:	1:	1:	1:	1:	1:	7629
Grapes	1:	1:	1:	1:	1:	1:	1:	1:	1:	1340:	256:	259:	210:
Grapefruit	1:	1:	1:	1:	1:	1:	1:	1:	1:	795:	650:	2229:	2974:
Lettuce	1069:	2806:	4214:	1:	991:	732:	3857:	10964:	6922:	6595:	1174:	291:	40005
Lemons	1:	1:	1:	1:	1:	1:	1:	300:	1959:	1:	1691:	1111:	778:
Melons	1:	1:	1:	1:	1:	13:	24:	18:	1861:	255:	125:	25:	231:
Onions	6874:	1:	7200:	5491:	980:	1:	1:	1:	1697:	605:	1451:	10305:	4161:
Oranges	1:	1:	1:	1:	1:	1:	1:	1930:	2909:	4677:	7502:	15837:	11308:
Potatoes	1119208:	84598:	71421:	44227:	25152:	14969:	22745:	14967:	27044:	80021:	101196:	57167:	662716
Pears	1:	1:	1:	1:	1:	1:	1:	1:	160:	1:	1498:	1616:	1422:
Peaches	1:	1:	1:	1:	1:	1:	1:	1:	1427:	338:	1:	1:	176:
Peas	1:	1:	1:	1:	1:	1:	1:	1:	306:	418:	1:	1:	72:
Sweet Potatoes	1830:	750:	425:	1:	1:	1:	1:	1:	587:	909:	2743:	4422:	4416:
Tomatoes	1:	1:	1:	1:	1:	1:	1:	1:	316:	866:	958:	365:	462:
Misc.	1:	1:	1:	1:	1:	1:	1:	1:	1949:	2309:	6646:	5457:	1:
Mix.Veg.	2858:	3508:	1:	1:	1:	1:	1:	1:	3500:	10830:	1:	1:	4000:
Artichokes	1:	1:	1:	1:	1:	1:	1:	1:	10:	162:	1047:	1700:	2125:
Total	153785:	106915:	93952:	161686:	32893:	24844:	33988:	52685½:	53070½:	129417½:	163177½:	103460:	101382:

## SACRAMENTO COUNTY JANUARY 1934.

DESTINATION:	Jan	:	Feb	:	Mar.	:	Apr.	:	May	:	June	:	Total
California :	13	:	10	:	10	:	15	:	12	:	3	:	63
Idaho :	23	:	11	:	29	:	33	:	32	:	18	:	146
Oregon :	82	:	85	:	108	:	171	:	135	:	107	:	688
Nevada :	90	:	97	:	134	:	152	:	133	:	138	:	744
Utah :	3	:	6	:	17	:	61	:	17	:	16	:	120
Washington :	14	:	7	:	13	:	18	:	31	:	3	:	86
Total :	225	:	216	:	311	:	450	:	359	:	285	:	1847

## Commodities:

## (Fruit)

APPLES	:	1016	:	1366	:	2812	:	1186	:	1060	:	1251	:	8691
Citrus	:	124	:	72	:	246	:	51	:	150	:	32	:	775
Grapefruit	:	926	:	448	:	1681	:	1096	:		:	1370	:	5431
Lemons	:	370	:	507	:	456	:	614	:	1385	:	692	:	4024
Oranges	:	4056	:	3298	:	3570	:	4638	:	3169	:	3211	:	21942
Bananas	:	774	:	1351	:	1573	:	1086	:	865	:	2096	:	7745
Misc. Fruit	:	422	:	385	:	83	:	187	:	95	:	42	:	1214
Walnuts	:	133	:	58	:	156	:	272	:		:		:	619
Strawberries	:		:	7	:	681	:	27410	:	19443	:	10061	:	57602
Cantalope	:		:		:		:	107	:		:		:	107
Cherries	:		:		:		:	108	:	4037	:	68	:	4213
Apricots	:		:		:		:		:	923	:	4169	:	5092
Figs	:		:		:		:		:		:	602	:	602
Raspberries	:		:		:		:		:	162	:		:	162
Peaches	:		:		:		:		:	886	:	2857	:	3743
Plums	:		:		:		:		:	568	:	1337	:	1905
Total	:	7221	:		:		:		:		:		:	123867

## Vegetables :

Artichokes	:	472	:	731	:	898	:	669	:	179	:	3	:	2952
Asparagus	:		:		:	14515	:	5676	:	1782	:	908	:	22881
Carrots	:	3753	:	9123	:	7192	:	11406	:	13733	:	3371	:	49578
Cauliflower	:	1577	:	1108	:	757	:	327	:	112	:	235	:	4116
Lettuce	:	2385	:	1988	:	2745	:	7373	:	2204	:	563	:	17258
Onions	:	870	:	853	:	1562	:	1199	:	1844	:	5660	:	20988
Sweet Potatoes	:	863	:	914	:	1650	:	573	:	104	:	158	:	4262
Tomatoes	:	48	:	242	:	753	:	2735	:	6278	:	10398	:	20454
Peas	:	131	:	178	:	2907	:	2302	:	603	:	44	:	6165
Beets	:	580	:	775	:	1907	:	8508	:	2780	:	418	:	14668
Cabbage	:	1345	:	532	:	896	:	2854	:	3959	:	977	:	10663
Celery	:	1132	:	979	:	961	:	438	:	555	:	335	:	4400
Peppers	:	203	:	150	:	276	:	471	:	360	:	530	:	1990
Cucumbers	:		:		:	86	:	521	:	1091	:	1332	:	3030
Radishes	:	271	:	502	:	2312	:	1303	:	754	:	63	:	5205
Turnips	:	1401	:	1275	:	2282	:	7226	:	4077	:	483	:	16714
Spinach	:	417	:	703	:	2736	:	327	:	49	:	153	:	4385
Beans	:	202	:	223	:	115	:	1861	:	3957	:	1452	:	7810
Sprouts	:	579	:	230	:		:	2	:	98	:		:	909
Parsnips	:	156	:	64	:		:	23	:	70	:	3	:	316
Garlic	:	379	:	51	:	103	:	166	:	246	:	81	:	1026
Rhubarb	:	160	:	645	:	1789	:	337	:	20	:	3	:	2954
Mix. Vegt.	:	476	:	476	:	599	:	103	:	70	:		:	1724
Parsley	:		:		:	61	:	145	:	110	:	100	:	416
Squash	:		:		:	354	:	546	:	957	:	1295	:	3032
Egg Plant	:		:		:	22	:	122	:	330	:	151	:	625
Potatoes(New)	:		:		:		:	1216	:	2249	:	1977	:	5442

Squash	:	:	22	122	330	151	625
Egg Plant	:	:		1216	2249	1977	5442
Potatoes(New)	:	:			294	1057	1351
Corn	:	:					
Melons	:	:			9284	46538	55822
Cantelopes	:	:			1262	2327	3589
TOTAL							294725

## SACRAMENTO COUNTY

Production

DESTINATION:	July	:	Aug	:	Sept	:	Oct.	:	Nov.	:	Dec.	:	Total
California :	5	:	70	:	64	:	52	:	21	:	15	:	290
Idaho :	13	:	19	:	19	:	24	:	14	:	14	:	249
Nevada :	131	:		:	102	:	114	:	108	:	95	:	1294
Montana :		:	1	:	2	:	1	:		:		:	4
Oregon :	122	:	78	:	84	:	79	:	86	:	137	:	1274
Utah :	20	:	1	:	5	:	5	:	11	:	18	:	180
Washington :	4	:	5	:	6	:	14	:	15	:	21	:	151
No. Dakota :		:		:	2	:	1	:		:		:	3
TOTAL	295	:	302	:	284	:	290	:	255	:	301	:	3445

COMMODITIES  
(Fruit)

Apples	831	:	1096	:	1140	:	2605	:	2210	:	1743	:	18316
Bananas	734	:	1143	:	1194	:	1269	:	1678	:	1206	:	14969
Berries ✓	3533	:	4059	:	724	:	980	:	662 $\frac{1}{2}$	:	12	:	67572 $\frac{1}{2}$
Citrus	42	:	36	:	48	:	75	:	120 $\frac{1}{2}$	:	124 $\frac{1}{2}$	:	1221
Cantelope	3129	:	1888	:	754	:	65	:		:		:	5943
Cranberries		:		:		:		:	210 $\frac{1}{2}$	:	460	:	670 $\frac{1}{2}$
Grapes	2377	:	12750	:	24986	:	25493	:	5895	:	83	:	46598
Grapefruit	1390	:	1130	:		:	892	:	2694	:	874	:	12411
Lemons	870	:	1233	:	659	:	450	:	619	:	589	:	8444
Melons	48815	:	100	:	36 $\frac{1}{2}$	:	18 $\frac{1}{2}$	:		:		:	48970
Oranges	3217	:	2477	:	4065	:	1843	:	5078	:	483 $\frac{1}{2}$	:	39105 $\frac{1}{2}$
Peaches ✓	6988	:	3980	:	842	:	1	:		:		:	16553
Plums	867	:	242	:	24	:		:		:		:	3038
Pears ✓	497	:	867	:	772	:	642	:	67	:	15	:	2860
Misc. Fruit ✓	397	:	65	:	247	:	275	:	444	:	234	:	2876
Figs ✓	254	:	8007	:		:	55	:		:		:	8918
Nectarines		:	98	:		:		:		:		:	98
Dried Fruit		:		:		:	370	:		:		:	370
Prunes ✓		:		:		:	73	:		:		:	73
Persimmons ✓		:		:		:	318	:	316	:	73	:	707
Pomegranite		:		:		:	75	:	679	:	8	:	762
Quince ✓		:		:		:	90	:	10	:	3	:	103
Walnuts ✓		:		:		:	386	:		:	909	:	1914
Olives ✓		:		:		:	100	:		:	7	:	107
TOTAL.													

## VEGETABLES :

Asparagus ✓	228	:		:		:		:		:		:	23109
Artichokes		:		:	24	:	339	:	491	:	370	:	4176
Almonds ✓		:		:		:		:	360	:	258	:	618
Beets ✓	600	:	472	:	341	:	560	:	891	:	882	:	18413
Beans ✓	479	:	735	:	293	:	1071	:	414	:	229	:	11031
Cabbage ✓	161	:	285	:	242	:	961	:	245	:	372 $\frac{1}{2}$	:	12929 $\frac{1}{2}$
Celery ✓	378	:	471	:	161 $\frac{1}{2}$	:	536	:	1067 $\frac{1}{2}$	:	4942	:	11956
Cucumbers	838	:	542	:	343	:	228	:	153	:	16 $\frac{1}{2}$	:	5150 $\frac{1}{2}$
Cauliflower	59	:	314	:	249	:	615	:	1478 $\frac{1}{2}$	:	1211 $\frac{1}{2}$	:	8043
Corn ✓	319	:	44	:	8	:		:		:		:	1722
Carrots ✓	4084	:	818	:	296	:	252	:	1204 $\frac{1}{2}$	:	3133	:	59365
Lettuce ✓	982	:	2076	:	1811	:	1558	:	3469	:	15684	:	42838
Onions ✓	1899	:	2011	:	670	:	340	:	142	:	353	:	26403
Peas ✓	182	:		:		:	250	:	120	:	100	:	100

Lettuce	✓	:	982	:	2076	:	1811	:	1558	:	3469	:	15684	:	42838
Onions	✓	:	1899	:	2011	:	670	:	340	:	142	:	353	:	26403
Peas	✓	:	182	:		:		:	259	:	128	:	169	:	6903
Peppers	✓	:	789	:	692	:	326	:	944	:	882	:	618	:	6241
Parsley	✓	:	26	:	27	:	27	:	68	:	144	:	300	:	1009
Potatoes	✓	:	1562	:	849	:	513	:	79	:	25	:	309	:	9769
Radish	✓	:	136	:	82	:	41	:	144	:	81	:	324 $\frac{1}{8}$	:	5893 $\frac{1}{8}$

(Cont)

Squash	✓:	575	:	381	:	488	:	345	: 3966 : 7805 : 16592
Spinach	✓:	76	:	126	:	233	:	342	: 890 $\frac{1}{2}$ : 484 $\frac{1}{2}$ : 6537
Tomatoes	✓:	22722	:	6792	:	2367	:	1915	: 3448 : 514 : 58392
Eggplant	✓:	89	:	120	:	110	:	417	: 170 $\frac{1}{2}$ : 69 : 1600 $\frac{1}{2}$
Garlic	✓:	111	:	174	:	180	:	225	: 120 : 57 : 1893
Mix. Vegt.	✓:	1754	:	223	:	363	:	611	: 342 $\frac{1}{2}$ : 1357 : 20832 $\frac{1}{2}$
Turnips	✓:	886	:	687	:	235	:	201	: 123 : 470 : 824
Peanuts	:		:		:	30	:		
Walnuts	✓:		:		:	1000	:		
Sprouts	✓:		:		:		:	2521	: 1340 : 4770
Rhubarb	:		:		:		:	88	: 53 : 3145
TOTAL.									

## ANNUAL METEOROLOGICAL SUMMARY.

SACRAMENTO, CALIFORNIA.

YEAR, 1934

MONTHS	TEMPERATURE			PRECIPITATION			RELATIVE HUMIDITY	WIND (True velocities)	NUMBER OF DAYS																						
	Mean		Extremes	Total		Maximum in 24 hours			Wind 32 miles per hour or more		Clear	Partly Cloudy	Cloudy	Precipitation, 0.01 inch or more	Thunderstorms	Fogs, dense	Snow	32° or below	90° or above	Max. temp.	Min. temp.										
	Maximum	Minimum	Monthly	Maximum	Date	Minimum	Date		Average hourly velocity	Prevailing direction	Velocity	Direction	Date	Wind 32 miles per hour or more	Clear	Partly Cloudy	Cloudy	Precipitation, 0.01 inch or more	Thunderstorms	Fogs, dense	Snow	32° or below	90° or above	Max. temp.	Min. temp.						
January.....	53.8	41.8	47.8	70	25	37	21	1.33	1.23	1	0	91	81	76	41	6.5	SE	24	NW	24	0	10	15	6	0	0	0	0			
February.....	60.4	45.8	53.1	67	27	38	11	2.97	.64	15-16	0	88	71	68	45	6.5	S	23	SE	26	0	8	12	13	2	0	0	0	0		
March.....	73.2	49.8	61.5	81	11	45	1	.13	.08	28-29	0	88	60	53	77	6.4	S	18	NW	31	0	16	14	1	3	0	0	0	0		
April.....	79.2	49.5	64.4	89	7	43	9	.16	.11	22	0	85	44	38	86	7.3	S	26	NW	2	0	23	4	3	2	0	0	0	0		
May.....	82.4	53.9	68.2	98	11	45	1	.26	.18	26	0	81	39	35	87	8.1	S	21	S	31	0	23	7	1	3	1	0	0	0		
June.....	86.4	56.5	71.4	112	30	50	3	.30	.29	4-5	0	78	38	33	87	8.6	S	21	SW	24	0	24	3	3	3	0	0	0	0		
July.....	91.8	58.5	75.2	106	2	52	7	0	0	0	0	74	34	27	99	9.4	S	21	SW	6	0	30	1	0	0	0	0	0	0		
August.....	92.7	58.2	75.4	105	18	51	10	T	T	26	0	77	36	28	96	8.2	S	18	S	25	0	29	2	0	0	1	0	0	0	0	
September.....	89.0	56.0	72.5	102	15	44	25	.01	.01	23	0	66	33	26	92	7.8	S	22	SW	21	0	25	5	0	1	1	0	0	0	0	
October.....	77.0	52.1	64.6	93	10	44	23	.45	.34	31	0	77	44	40	77	7.2	S	27	N	14	0	19	9	3	4	0	0	0	0	0	
November.....	63.6	46.9	55.2	74	6	38	24	2.61	1.18	14-15	0	92	70	66	42	7.0	SE	29	SE	18	0	5	16	9	8	1	5	0	0	0	
December.....	55.4	40.3	47.8	68	6	34	31	2.50	1.76	13-14	0	88	74	71	44	7.3	SE	25	NW	4	0	11	8	12	8	0	6	0	0	0	
Year.....	75.4	50.8	63.1	112	30	34	31	10.72	1.76	13-14	0	82	52	47	73	7.5	S	29	SE	18	0	223	83	59	49	6	19	0	0	79	0

Note: For Normal and Comparative Data, see Annual Summary for 1933.

REPORT OF EXPENDITURES

SACRAMENTO COUNTY STATE FAIR EXHIBIT SEPTEMBER 1 TO , 1934

Construction	221.86
Labor	\$12.50
Agricultural Products	\$1.41
Misc. Expenses	22.77
Total	646.54

CONSTRUCTION MATERIAL & EQUIPMENT. .

Carnie Goodwin Pendleton Co. - Canvas Front	10.51
Kehoe Display Fixture Co. Rent of Wax Figures	25.00
Clay Buford -Wiring - Rental of Motor	22.50
E. A. Grassland - Blacksmith (\$2 paid by Henn)	6.00
Dolands Pipe & Connections	12.58
California Engineering Co. - 1 Pump & Connection	5.89
City of Hankow Tassel Co. - Baskets	2.82
Friend & Terry Lumber Co. - Lumber	70.65
Lyon Darwin Co. - Hardware, Paint etc.	42.54
Sacramento Cooperage tub	1.50
American Glass & Glazing Co. - Shelves	<u>21. 89</u>
 Total	 <u>\$ 221.86</u>

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LABOR

CONSTRUCTION

M. Virga	Painting	\$ 75.00
J.M. Hastings	Carpenter	55.00
Lester Checcitini	General Labor	5.00
Henry Hauser	" "	60.00
Paul Hunter	" "	16.00
M. Bogich	" "	2.50
Celia Mills		7.00
		<hr/> 225.50

ATTENDANTS

Mrs. W.C. Petzinger	44.00	
Mrs. Gilmore	55.00	
Mr. Hall	Watchman	10.00
	<hr/> 89.00	
Total Labor	\$ 312.50	

PRODUCTS

Pacific Fruit Ex.	2 Boxes Plums	2.50
Geo. B. Green	" "	2.50
Silva Bros.	" " "	No charge
R. Uji	Hops	15.00
A.B. Humphrey Co.	3 Pears, 2 grapes	2.50
Colonial Grape Co.	12 Boxes Grapes	5.00
Inihara Bros.	8 " "	2.50
Jas. Franscinetti & Sons	"	2.50
Dagostino	Grape Products	2.00
Elmer Christophel	4 Boxes Nectarines	4.00
R. L. Mortland	4 " Grapes	2.50
J. Farribain	2 Plums, 2 Peaches	2.50
Earl Fruit Co. (Folsom)	Pears	2.50
J. Rusby	2 Plums 6 Peaches	7.50
Ed. Dalton Est.	3 Plums	1.00
R. Lavagnino	Apples no charge	
Lambert Mkt. Co.	2 - 1 full Pears	2.50
Earl Fruit Co. Walnut Grove	2 Pears	2.50
Calif. Fruit Exchange Locke	2 Pears	2.50
Chan Lee, Garlic , Squash	Gords	1.00
Mrs. English Squash	Squash	1.00
Sam Lumto	"	1.00
Fred Kammerer	Melons	1.00
Hosst Co.	Hops	1.00
H. Ineda	4 Boxes Cornichon	2.50
G. Bandy	Mixed grapes	.50
H.Y. Ochida	Truck	1.00
Gerrard Co.	8 boxes grapes	5.00
Nick Franusich	Grapes & Products	2.50
Miller Bros.	4 Boxes grapes	1.50
Levy & Zentner		1.50
Triangle Produce		4.51
J. Salamoni		4.75
Lincoln Fruit Co.		.55

\$ 31.41

MISCELLANEOUS

McCurry Photo Co.	Photographs	5.58
California State Fair Board	(Lights )	5.20
H. Hauser	Incidentals	2.36
Railway Express Agency (Express on Wax Figures		5.56
Figure Clothing		5.07
Incidentals		5.00
		<hr/> \$ 22.77

TRUCK MOVEMENT INTERSTATE FROM SACRAMENTO  
YEAR 1933.

DESTINATION	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	AL	TOT
CALIFORNIA	:	:	:	:	:	:	:	:	45	:	:	2:	7	
Idaho	:	:	:	:	:	:	:	:	3	:	14	:	9: 28	
Montana	:	:	:	:	:	:	:	:	:	5:	:	:	5	
Nevada	:	:	:	:	:	:	:	:	:	1:	42	:	77: 120	
No. Dakota	:	:	:	:	:	:	:	:	:	:	:	:		
Oregon	:	:	:	:	:	:	:	:	43	:	88:108	:	110: 349	
Utah	:	:	:	:	:	:	:	:	:	:	:	:	7: 7	
Washington	:	:	:	:	:	:	:	:	:	7:	16	:	26: 49	
*****														
										Total:	51:101:180	:	231: 565	

COMMODITIES:

(Fruit)

Apples	:	:	:	:	:	:	:	Boxes:	:	:	:	:	
Avocados	-	-	-	-	-	-	-	252	--33:332:560:1177				
Citrus Fruits	-	-	-	-	-	-	-	3	-- 1: :	:	:	4	
Grapefruit	-	-	-	-	-	-	-	274½	--580:366:131:1351½				
Lemons	-	-	-	-	-	-	-	55	--3:444:520:1022				
Oranges	-	-	-	-	-	-	-	43	-- 54:372:471: 940				
Peaches	-	-	-	-	-	-	-	311	--340:14:59:7049:9159				
Pears	-	-	-	-	-	-	-	1728	--86:159: :	1873			
Quinces	-	-	-	-	-	-	-	777	--11: :	788			
Grapes	-	-	-	-	-	-	-	10	--220: :	230			
Persimmons	-	-	-	-	-	-	-	4205	--60: :	807:5072			
Pomegranate	-	-	-	-	-	-	-			498: 50: 548			
Bananas	-	-	-	-	-	-	-			-152:225: 35: 412			
Strawberries	-	-	-	-	-	-	-			319:575: 894			
Walnuts	-	-	-	-	-	-	-						
Almonds	-	-	-	-	-	-	-						10
Misc Fruit	-	-	-	-	-	-	-						
										-131:471:324:	926		

(Vegetable)

Artichokes	:	:	:	:	:	:	:					Total	24517½
Carrots	-	-	-	-	-	-	-	11 Bx:	115:261:153:	540			
Cauliflower	-	-	-	-	-	-	-	43 Dz:	448:725:1686:	2892			
Lettuce	-	-	-	-	-	-	-	110 "	372:369:649:	1500			
Onions	-	-	-	-	-	-	-	170 Cr:	382:245:4978:	7775			
Sweet Potatoes	-	-	-	-	-	-	-	327 Sk:	539:358:486:	1710			
Tomatoes	-	-	-	-	-	-	-	390 Bx:	1041:2146:1708:	5285			
Watermelon	-	-	-	-	-	-	-	46 "	223:1631:437:	2337			
Peas	-	-	-	-	-	-	-	2 Tn:	38: 10:	50			
Misc; Veggies.	-	-	-	-	-	-	-		125: 95:117:	337			
Beets	-	-	-	-	-	-	-						
Cabbage	-	-	-	-	-	-	-	20 Dz:	170:284:345:	819			
Celery	-	-	-	-	-	-	-	1 Cr:	17:115:273:	406			
Cucumbers	-	-	-	-	-	-	-	67 "	168:784:2313	3332			
Eggplant	-	-	-	-	-	-	-	27 "	56: 8: 22:	113			
Garlic	-	-	-	-	-	-	-	3 "	12: 38: 63:	116			
Peppers	-	-	-	-	-	-	-	40 "	16: 18:127:	201			
Radish	-	-	-	-	-	-	-	25 "	97:228:251:	601			
Squash	-	-	-	-	-	-	-	15 "	73:147:265:	500			
Turnips	-	-	-	-	-	-	-	26 Bx:	27: 28:	81			

Squash	15	:	73:147:265:	500
Turnips	26	Bx:	27: 28:	81
Spinach	14	Dz:	160:528:581:	1283
Beans			: 21: :222:	243
Sprouts			: 242: :190:	432
Parsnip			: 15: :775:	790
Miscelaneous			: 50: 53: 57:	160
Cantelope			: 83:177:199:	459
Walnuts	4	Bx:	16: :	20
Persian Melons	350	Lb:		350
Almonds				
Dried Fruits			Total	32334