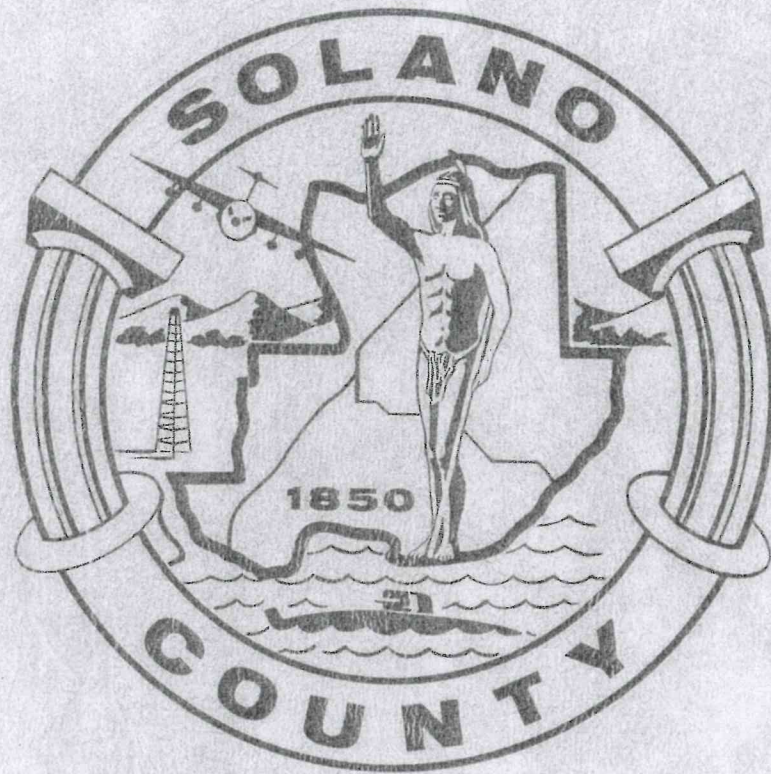


AGRICULTURAL CROP REPORT
1986



Solano County Department of Agriculture

Mr. Clare Berryhill, Director
California Department of Food and Agriculture

The Honorable Board of Supervisors of the County of Solano
and

Mr. Richard Watson, County Administrator

In accordance with Section 2279 of the California Food and Agricultural Code, I hereby submit the annual crop report of agricultural production for the year 1986. This report addresses the acreage, production, and gross value of agricultural production in Solano County and does not reflect any net values. This report also emphasizes an average production and average value of gross receipts.

The gross value of all agricultural products for 1986 was \$133,953,400, down \$19,224,900 from 1985. This drop in gross value is due to reduced acreage and values of both field and seed crops. Fruit and nut crops also experienced reduced yields. This reduction in field crops, seed crops, and fruit and nut crops was largely due to both reduced acreages planted due to depressed market conditions and, especially in the case of fruit and nut crops, the excessively wet weather conditions that were experienced in the early spring of 1986. Numerous crops did experience a healthy year in 1986. Those included processing tomatoes, nursery stock, and sheep.

Again, tomatoes were the leading crop in 1986 in gross value at \$28,429,100, a decrease of only \$5,400 below the 1985 value. Acreage increased from 18,500 in 1985 to 19,500 in 1986.

Field corn was again the second leading agricultural crop in terms of gross value with \$13,718,600.

Sugar beets, although remaining the third leading crop, saw a gross value reduction from 1985 of \$5,629,300. The 1986 gross value was \$13,026,900 as compared to \$18,656,200 in 1985. This reduction is due largely to reduced acreage and yields.

Field crops, in general, were down \$17,353,000 from 1985. This decrease is due primarily to reduced acreages of field corn, sugar beets, and reduced per-unit values of field corn, sugar beets, and wheat.

Fruit and nut crops were down \$661,200 due in part to reduced yields due primarily to wet weather conditions in the spring. Almonds, apricots, and prunes were especially affected.

Seed crops were down \$1,728,500 due to reduction in price paid per unit.

Vegetable crops were down \$1,031,200, although processing tomatoes did experience another productive year.

The gross value of animal production was up \$1,549,000 primarily due to a healthy sheep-producing year.

I again emphasize that this report represents only gross value of agricultural products and does not reflect any net return to the producer. Also, I emphasize the issue of an average production and average value considering the diversity in production areas.

I wish to express my sincere appreciation to those who have provided the information and records necessary for my staff to compile this crop report and to the growers of Solano County who make agriculture our most valued industry.

Respectfully,

A handwritten signature in cursive script that reads "John M. Donahue".

John M. Donahue
Agricultural Commissioner

JMD:lpd

ANNUAL CROP REPORT



GROSS VALUES 1986

STATE DIRECTOR OF FOOD AND AGRICULTURE
Clare Berryhill

SOLANO COUNTY BOARD OF SUPERVISORS
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COUNTY ADMINISTRATOR
Richard Watson

SOLANO COUNTY DEPARTMENT OF AGRICULTURE
2000 West Texas Street
Fairfield, California 94533
(707) 429-6465

AGRICULTURAL COMMISSIONER
John M. Donahue

ASSISTANT AGRICULTURAL COMMISSIONER
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DEPUTY AGRICULTURAL COMMISSIONER
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Nancy Page

CLERICAL SUPPORT SPECIALIST
Diana Harris
Lisa Hurst

TABLE OF CONTENTS

Solano County Fruit and Nut Acreage Statistics	1
Field Crops: Acreage, Production and Value	2,3
Fruit and Nut Crops: Acreage, Production and Value	4,5
Seed Crops: Acreage, Production and Value	6
Vegetable Crops: Acreage, Production and Value	7
Livestock and Poultry: Production and Value	8
Livestock, Poultry and Apiary Products and Value	9
Grand Total of All Agricultural Products	9
Summary	10
Million Dollar Crops	11

SOLANO COUNTY FRUIT AND NUT ACREAGE STATISTICS

1986

<u>Orchard Crop</u>	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>
Almonds	2,444	0	2,444
Apples	118	0	118
Apricots	1,085	31	1,116
Cherries	119	0	119
Figs	12	0	12
Guava	17	0	17
Grapes (Wine)	1,061	137	1,198
Kiwi	80	18	98
Olives	12	0	12
Oranges	26	0	26
Peaches (Freestone)	363	9	372
Pears	2,144	20	2,164
Pecans	2	0	2
Persimmons	4	0	4
Pistachio Nuts	14	0	14
Plums	19	0	19
Prunes	2,302	63	2,365
Tangerines	1	4	5
Walnuts (English)	2,520	994	3,514
Walnuts (Black)	31	0	31

FIELD CROPS: ACREAGE, PRODUCTION AND VALUE

<u>Crop</u>	<u>Year</u>	<u>Average Production</u>			<u>Average Value</u>		
		<u>Bearing Acreage</u>	<u>Per Acre</u>	<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Barley, (Irrigated)	1986	4,800	2.25	10,800	Ton	90.00	972,000
	1985	4,500	2.50	11,250	Ton	110.00	1,237,500
Barley, (Other)	1986	5,575	1.25	6,969	Ton	90.00	627,200
	1985	4,319	1.25	5,399	Ton	100.00	539,900
Beans, Dry, All Market Classes	1986	6,300	1.10	6,930	Ton	425.00	2,945,300
	1985	6,400	1.10	7,040	Ton	420.00	2,956,800
Field Corn	1986	43,551	4.50	195,980	Ton	70.00	13,718,600
	1985	48,000	3.90	187,200	Ton	100.00	18,720,000
Hay (Alfalfa)	1986	11,400	6.00	68,400	Ton	75.00	5,130,000
	1985	11,300	5.50	62,150	Ton	80.00	4,972,000
Hay (Grain)	1986	6,000	2.50	15,000	Ton	45.00	675,000
	1985	5,100	2.65	13,515	Ton	57.00	770,400
Hay (Grass)	1986	4,000	2.10	8,400	Ton	35.00	294,000
	1985	4,000	2.10	8,400	Ton	45.00	378,000
Nursery Stock	1986	1,123	---	---	---	---	10,402,600
	1985	1,237	---	---	---	---	8,395,300
Oats	1986	1,500	1.20	1,800	Ton	90.00	162,000
	1985	2,100	1.00	2,100	Ton	115.00	241,500
Pasture, (Irrigated)	1986	20,000	---	---	Acre	90.00	1,800,000
	1985	21,000	---	---	Acre	100.00	2,100,000
Pasture, (Other)	1986	145,600	---	---	Acre	10.00	1,456,000
	1985	146,000	---	---	Acre	10.00	1,460,000
Safflower, Oil	1986	2,162	1.30	2,811	Ton	220.00	618,400
	1985	2,200	1.00	2,200	Ton	250.00	550,000
Sorghum (Milo)	1986	1,100	2.75	3,025	Ton	82.00	248,100
	1985	1,900	2.50	4,750	Ton	90.00	427,500
Sugar Beet	1986	15,884	24.30	385,981	Ton	33.75	13,026,900
	1985	22,111	25.00	552,775	Ton	33.75	18,656,200
Sunflower, Oil	1986	(See Miscellaneous)			---	---	---
	1985	85	1.25	106	Ton	240.00	25,400

FIELD CROPS: ACREAGE, PRODUCTION AND VALUE (Con't)

<u>Crop</u>	<u>Average Production</u>			<u>Average Value</u>			
	<u>Year</u>	<u>Bearing Acreage</u>	<u>Per Acre</u>	<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Wheat, (Irrigated)	1986	52,500	2.00	105,000	Ton	80.00	8,400,000
	1985	53,000	3.00	159,000	Ton	103.00	16,377,000
Wheat, (Other)	1985	5,431	1.25	6,789	Ton	80.00	543,100
	1985	4,153	1.25	5,191	Ton	103.00	534,700
Miscellaneous	1986	(Silage, Straw, Etc.)			---	---	720,000
	1985	(Silage, Straw, Etc.)			---	---	750,000
TOTAL	1986	326,926					\$ 61,739,200
FIELD CROPS	1985	337,405					\$ 79,092,200

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION AND VALUE

<u>Crop</u>	<u>Year</u>	<u>Average Production</u>		<u>Average Value</u>			
		<u>Bearing Acreage</u>	<u>Per Acre</u>	<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Almonds							
Almond (Meats)	1986	---	---	367.0	Ton	4,000.00	1,468,000
	1985	---	---	683.0	Ton	1,200.00	819,600
Almond Hulls	1986	---	---	459.0	Ton	12.00	5,500
	1985	---	---	854.0	Ton	30.00	25,600
Total Almonds	1986	2,444	.150	367.0	Ton	---	1,473,500
	1985	2,647	.258	683.0	Ton	---	845,200
Apricots							
Dried * (5.7:1)	1986	---	---	115.7	Ton	1,425.00	164,900
	1985	---	---	138.0	Ton	1,155.00	159,400
Fresh Market	1986	---	---	125.0	Ton	1,583.00	197,900
	1985	---	---	628.0	Ton	640.00	401,900
Total Apricots	1986	1,085	.720	784.5	Ton	---	362,800
	1985	1,175	1.180	1,387.0	Ton	---	561,300
Cherries							
Fresh Market	1986	---	---	131.0	Ton	2,500.00	327,500
	1985	---	---	188.0	Ton	2,164.00	406,800
Total Cherries	1986	119	1.100	131.0	Ton	2,500.00	327,500
	1985	125	1.500	188.0	Ton	2,164.00	406,800
Grapes, Wine **							
Dark Variety	1986	---	---	1,967.0	Ton	290.00	570,400
	1985	---	---	2,784.0	Ton	270.00	751,700
White Variety	1986	---	---	2,806.0	Ton	220.00	617,300
	1985	---	---	3,274.0	Ton	250.00	818,500
Total Grapes	1986	1,061	4.500	4,773.0	Ton	---	1,187,700
	1985	1,113	5.440	6,058.0	Ton	---	1,570,200
Kiwi ***	1986	80	3.500	280.0	Ton	1,900.00	532,000
	1985	80	7.060	565.0	Ton	2,100.00	1,186,500
Peaches (Freestone)							
Dried * (8.9:1)	1986	---	---	173.5	Ton	1,084.00	188,100
	1985	---	---	257.0	Ton	900.00	231,300

* Drying Ratio

** Price Varies by Variety

*** Yields Vary by Grower and Age of Vines

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION AND VALUE

Crop	Year	Average Production			Average Value			
		Bearing Acreage	Per Acre	Total	Unit	Per Unit	Total	
Peaches (Cont'd)								
Fresh Peaches	1986	(See Miscellaneous Below)				---	---	
	1985	---	---	5.0	Ton	168.00	800	
Total Peaches	1986	363	4.250	1,544.0	Ton	---	188,100	
	1985	392	5.140	2,015.0	Ton	---	232,100	
Pears								
Canned #1	1986	---	---	14,229.0	Ton	165.00	2,347,800	
	1985	---	---	12,434.0	Ton	206.00	2,561,400	
Dried * (7.0:1)	1986	---	---	181.0	Ton	595.00	107,700	
	1985	---	---	75.0	Ton	660.00	49,500	
Fermentation & Juice Concentrate	1986	---	---	3,085.0	Ton	85.00	262,200	
	1985	---	---	40.0	Ton	50.00	2,000	
Fresh Market	1986	---	---	1,895.0	Ton	330.00	625,400	
	1985	---	---	177.0	Ton	564.00	99,800	
Total Pears	1986	2,144	9.550	20,476.0	Ton	---	3,343,100	
	1985	2,474	5.280	13,063.0	Ton	---	2,712,700	
Plums	1986	19	3.500	66.5	Ton	1,297.00	86,300	
	1985	20	2.500	50.0	Ton	984.00	49,200	
Prunes	1986	2,302	1.560	3,591.0	Ton	670.00	2,406,000	
	1985	2,681	2.400	6,434.0	Ton	580.00	3,732,000	
Walnuts	1986	2,520	.940	2,364.0	Ton	1,160.00	2,742,200	
	1985	2,446	1.090	2,666.0	Ton	760.00	2,026,200	
Miscellaneous	1986	237	(Apples, Figs, Guava, Olives,					172,700
	1985	189	Oranges, Fresh Market Peaches, Pecans, Persimmons, Pistachios, Black Walnuts)					160,000
TOTAL FRUIT & NUT CROPS	1986	12,374					\$12,821,900	
	1985	13,342					\$13,483,100	

* Drying Ratio

SEED CROPS: ACREAGE, PRODUCTION AND VALUE

Crop	Year	Average Production			Average Value		
		Bearing Acreage	Per Acre	Total	Unit	Per Unit	Total
Alfalfa, Certified	1986	45	180.00	8,100	Lb.	1.00	8,100
	1985	42	240.00	10,080	Lb.	.90	9,100
Barley, Certified	1986	---	---	---	---	---	---
	1985	36	2.50	90	Ton	140.00	12,600
Beans, Dry, All Market Classes, Certified	1986	918	.88	808	Ton	550.00	444,400
	1985	384	1.00	384	Ton	480.00	184,300
Cantaloupe	1986	28	360.00	10,080	Lb.	2.00	20,200
	1985	101	370.00	37,370	Lb.	2.00	74,700
Cucumber	1986	143	310.00	44,330	Lb.	2.70	119,700
	1985	189	290.00	54,810	Lb.	3.75	205,500
Safflower	1986	645	.70	452	Ton	200.00	90,400
	1985	445	.70	312	Ton	235.00	73,300
Sunflower	1986	---	---	---	---	---	---
	1985	2,575	.80	2,060	Ton	1,000.00	2,060,000
Sunflower, Certified	1986	2,683	.75	2,012	Ton	875.00	1,760,500
	1985	1,916	.80	1,533	Ton	1,100.00	1,686,300
Watermelon	1986	608	357.00	217,056	Lb.	2.00	434,100
	1985	441	300.00	132,300	Lb.	2.75	363,800
Watermelon, Certified	1986	37	340.00	12,580	Lb.	2.00	25,200
	1985	54	300.00	16,200	Lb.	2.00	32,400
Wheat	1986	774	2.88	2,229	Ton	89.00	198,400
	1985	---	---	---	---	---	---
Wheat, Certified	1986	1,145	2.88	3,298	Ton	95.00	313,300
	1985	1,084	3.00	3,252	Ton	150.00	487,800
Miscellaneous	1986	277	(Carrot, Clover, Collards, Sweet				486,300
	1985	297	Corn, Cucumber, Squash, Sudan, Pumpkins, Etc.)				439,300
TOTAL SEED CROP	1986	7,303					\$3,900,600
	1985	7,564					\$5,629,100

VEGETABLE CROPS: ACREAGE, PRODUCTION AND VALUE

<u>Crop</u>	<u>Year</u>	<u>Average Production</u>			<u>Average Value</u>		
		<u>Bearing Acreage</u>	<u>Per Acre</u>	<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Asparagus	1986	513	.57	292	Ton	1,508.00	440,300
	1985	412	1.40	577	Ton	1,173.00	676,800
Bell Pepper, (Processing)	1986		(See Miscellaneous Below)				
	1985	128	12.00	1,536	Ton	150.00	230,400
Sweet Corn	1986		(See Miscellaneous Below)				
	1985	510	185.00	94,350	45 lb.	7.75	731,200
Tomatoes (Processing)	1986	15,600	30.50	475,800	Ton	51.00	24,265,800
	1985	18,500	29.00	536,500	Ton	53.00	28,434,500
Tomatoes (Processing Overage)	1986	3,900	30.50	118,950	Ton	35.00	4,163,300
	1985	---	---	---	---	---	---
Total Tomatoes (Processing)	1986	19,500	30.50	594,750	Ton	---	28,429,100
	1985	18,500	29.00	536,500	Ton	53.00	28,434,500
Miscellaneous	1986	1,600	(Beans, Carrots, Cucumbers,				2,708,000
	1985	1,500	Herbs, Melons, Onions, Mixed Peppers, Bell Peppers, Popcorn, Pumpkins, Squash, Sweet Corn, Tomatoes, & Misc. Vegetables)				2,535,700
TOTAL	1986	21,613					\$31,577,400
VEGETABLE CROPS	1985	21,050					\$32,608,600

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE

<u>Item</u>	<u>Year</u>	<u>Average Production</u>		<u>Average Value</u>		
		<u>Head</u>	<u>Liveweight</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Cattle & Calves	1986	35,000	175,000	Cwt.	52.00	9,100,000
	1985	35,000	175,000	Cwt.	56.00	9,800,000
Chicken, Other	1986	45,900	---	Head	.43	19,700
	1985	12,500	---	Head	.36	4,500
Hogs & Pigs	1986	100	200	Cwt.	52.20	10,400
	1985	150	300	Cwt.	47.30	14,200
Sheep (Ewe)	1986	24,045	32,461	Cwt.	23.20	753,100
	1985	20,945	28,276	Cwt.	23.10	653,200
Sheep (Lamb)	1986	155,175	155,175	Cwt.	68.60	10,645,000
	1985	153,601	115,201	Cwt.	68.30	7,868,200
Miscellaneous	1986	(Ducks, Pheasants, Rabbits, Quail,				34,000
	1985	Turkeys, Fish, Etc.)				62,500
TOTAL LIVESTOCK & POULTRY	1986					\$ 20,562,200
	1985					\$ 18,402,600

LIVESTOCK, POULTRY, AND APIARY PRODUCTS AND VALUE

Item	Average Production			Average Value	
	Year	Production	Unit	Per Unit	Total
Bees - Honey	1986	49,699	Lb.	.57	28,300
	1985	44,385	Lb.	.55	24,400
- Packages *	1986	3,085	Pkg.	15.00	46,300
	1985	3,655	Pkg.	15.00	54,800
- Pollination **	1986	6,136	Colony	18.70	114,700
	1985	7,085	Colony	17.50	124,000
- Queens ***	1986	18,134	Each	8.00	145,100
	1985	17,400	Each	5.50	95,700
- Wax	1986	382	Lb.	1.00	400
	1985	475	Lb.	1.15	500
Eggs, Chicken	1986	(See Miscellaneous Below)			
	1985	954,146	Doz.	.52	496,200
Milk - Market	1986	196,960	Cwt.	11.72	2,308,400
	**** 1985	235,290	Cwt.	12.17	2,863,500
- Manufacturing	1986	---	---	---	---
	1985	2,000	Cwt.	11.06	22,100
Wool	1986	430,441	Lb.	.68	292,700
	1985	462,497	Lb.	.59	272,900
Miscellaneous	1986	(Fertile Chicken Eggs, Chicken Eggs, Game Bird Eggs)			416,200
	1985	---	---	---	---
TOTAL LIVESTOCK, POULTRY, AND APIARY PRODUCTS & VALUE	1986	. . . . .			\$ 3,352,100
	1985	. . . . .			\$ 3,954,100 ****

GRAND TOTAL OF ALL AGRICULTURAL PRODUCTS	1986	. . . . .			\$133,953,400
	1985	. . . . .			\$153,178,300

* Packages Include 2 Lbs. Bees Plus Queen
 ** Pollination Fee Varies By Crop, Crops Pollinated Include Alfalfa, Almond, Kiwi, Onion, Sunflower, Vine Seed
 *** Average Price Weighted Including Breeder Queens
 **** 1985 Revised Figures

S U M M A R Y

<u>Year</u>	<u>Field Crops</u>	<u>Fruit & Nut Crops</u>	<u>Seed Crops</u>	<u>Vegetable Crops</u>	<u>Animal Production</u>	<u>Totals</u>
1976	45,439,000	10,951,600	1,639,000	18,798,000	11,666,600	88,494,200
1977	43,710,700	11,676,100	1,639,400	32,552,300	10,616,900	100,195,400
1978	45,593,000	14,212,200	2,689,900	22,910,800	12,898,100	98,304,000
1979	66,117,700	16,865,700	4,993,100	30,092,400	16,123,200	134,192,100
1980	86,755,900	15,781,400	6,527,200	25,532,900	18,398,100	152,995,500
1981	86,094,700	17,875,900	3,685,000	24,753,300	18,688,800	151,097,700
1982	76,060,100	14,973,000	2,713,500	24,282,000	19,808,100	137,836,700
1983	78,209,800	11,727,900	3,000,000	25,070,700	18,452,200	136,460,600
1984	77,553,100	13,307,400	3,617,700	26,640,200	19,511,500	140,629,900
1985	79,092,200	13,483,100	5,629,100	32,608,600	22,365,300	153,178,300
1986	61,739,200	12,821,900	3,900,600	31,577,400	23,914,300	133,953,400

CLASSIFICATION OF ACREAGE

Field Crops	161,326
Fruit & Nuts Crops	12,374
Pasture Lands	165,600
Seed Crops	7,303
Vegetable Crops	21,613

TOTAL AREA

Square Miles - 827

Estimated Total County Population - 286,000

JANUARY 1, 1987 INVENTORY OF LIVESTOCK AND POULTRY

<u>Item</u>	<u>No. of Head</u>
Cattle and Calves	
All	47,000
Milk Cows	1,000
Hens and Pullets (of laying age)	59,200
Hogs and Pigs	100
Horses and Mules	3,750
Stock Sheep	70,000

MILLION DOLLAR CROPS

1.	TOMATOES	.....	\$28,429,100
2.	FIELD CORN	.....	13,718,600
3.	SUGAR BEETS	.....	13,026,900
4.	SHEEP & LAMBS	.....	11,398,100
5.	NURSERY STOCK	.....	10,402,600
6.	CATTLE & CALVES	.....	9,100,000
7.	WHEAT, IRRIGATED.	.....	8,400,000
8.	ALFALFA HAY	.....	5,130,000
9.	PEARS	.....	3,343,100
10.	BEANS, DRY ALL MARKET CLASSES	.....	2,945,300
11.	WALNUTS	.....	2,742,200
12.	PRUNES	.....	2,406,000
13.	MILK	.....	2,308,400
14.	PASTURE, IRRIGATED.	.....	1,800,000
15.	SUNFLOWER, CERTIFIED SEED	.....	1,760,500
16.	ALMONDS	.....	1,473,500
17.	PASTURE, OTHER	.....	1,456,000
18.	GRAPES	.....	1,187,700