

*1998 Santa Barbara County
Agricultural Production Report*

The cover . . .

. . . depicts the diverse cut flower industry that is an integral part of Santa Barbara County's agriculture. Greenhouse and field grown cut flowers account for approximately 12% of the county's agriculture with gross receipts approaching \$73 million. Flowers produced in Santa Barbara County are shipped world-wide, year-round.

The artwork for the cover of this year's report was drawn by Santa Ynez artist Robert Trupe.

April 5, 1999

NEWS RELEASE

The Santa Barbara County Agricultural Commissioner's Office announces the release of the 1998 Agricultural Production Report. This report documents the acreage, yield and gross dollar value of agricultural commodities produced in Santa Barbara County. **It must be emphasized that the values in this report represent gross values and that production, transportation and marketing costs must be subtracted to determine the net returns to growers.**

Agriculture continues to be the County's major producing industry with a gross production value in 1998 of \$611,859,484, a \$14 million or 2.25% decrease from 1997. Because of the diversity of Santa Barbara County's agriculture, its contribution to the local economy has remained stable in comparison to other industries. Agriculture continues to provide a strong base for our local economy, and through the multiplier effect, has a total contribution of over one billion dollars.

Broccoli, with nearly 23,000 harvested acres in the county, was the leading crop in 1998, grossing nearly \$74.4 million. Although fresh market strawberries saw a drop of nearly 3.5 million trays, the \$71.4 million strawberry crop continues to hold second rank in Santa Barbara County. Increases in fruit destined for processing and higher prices received for all fruit more than offset the drop in fresh market berries. Wine grape production ranks third in Santa Barbara County with a value of \$59.2 million in 1998. Wine grape acreage is increasing rapidly and stands at nearly 18,000 acres. However, approximately 7,000 acres have not begun bearing fruit and are not included in this report. Head lettuce, with gross receipts of \$49.4 million and cauliflower with gross receipts of \$35.3 million completes the list of the top five commodities produced in 1998.

Santa Barbara County is California's 15th ranked county in total agricultural production and of California's top 70 crops, Santa Barbara County is among the leading five California counties in the production of: lettuce, flowers and foliage, strawberries, broccoli, avocados, celery, cauliflower, asparagus, and spinach. A large part of the success of agriculture in Santa Barbara County is the diversity of the crops grown here.

Copies of the Santa Barbara County Agricultural Production Report may be obtained at no charge at any of the Agricultural Commissioner's offices.

For more information contact Curtis Sayer at 681-5600 or 934-6200.

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	Year	Production			Unit	Value		
		Harvested Acreage	Per Acre	Total		Unit Wt.	Per Unit	Total
Asparagus	1998	959	154.16	147,839	CTN	15#	\$25.01	\$3,697,453
	1997	957	207.53	198,606	CTN	15#	\$23.16	\$4,599,715
Bell Pepper	1998	1,513	853.91	1,291,966	CTN	25#	5.34	6,899,098
	1997	1,088	1,143.08	1,243,671	CTN	25#	4.60	5,720,887
Broccoli Total	1998	23,130						74,411,105
	1997	21,860						73,571,801
Fresh	1998	20,722	657.49	13,624,508	CTN	22#	5.02	{68,395,030}
	1997	20,409	636.99	13,000,329	CTN	22#	5.33	{69,291,754}
Frozen	1998	2,408	7.00	16,856	TON	TON	356.91	{6,016,075}
	1997	1,451	5.95	8,634	TON	TON	495.72	{4,280,047}
Cabbage	1998	1,045	708.91	740,811	CTN	50#	6.30	4,667,109
	1997	1,325	762.49	1,010,299	CTN	50#	5.58	5,637,468
Cauliflower	1998	8,839	610.83	5,399,126	CTN	25#	6.53	35,256,293
	1997	8,196	685.92	5,621,800	CTN	25#	5.39	30,301,502
Celery	1998	3,736	1,059.83	3,959,525	CTN	60#	5.56	22,014,959
	1997	3,087	1,251.70	3,863,998	CTN	60#	6.82	26,352,466
Lettuce, Head	1998	12,711	625.37	7,949,078	CTN	50#	6.21	49,363,774
	1997	11,409	746.01	8,511,228	CTN	50#	6.43	54,727,196
Lettuce, Leaf	1998	1,937	697.96	1,351,949	CTN	30#	5.56	7,516,836
	1997	1,678	692.29	1,161,663	CTN	30#	5.36	6,226,514
Peas, Edible Pod	1998	1,357	416.00	564,512	CTN	10#	8.46	4,775,772
	1997	1,201	467.98	562,044	CTN	10#	9.03	5,075,257
Spinach	1998	1122	804.24	902,357	CTN	20#	4.08	3,681,617
	1997	935	717.22	670,601	CTN	20#	4.41	2,957,350
Squash, Summer	1998	1070	798.74	854,652	CTN	26#	4.42	3,777,562
	1997	985	603.42	594,369	CTN	26#	4.95	2,942,127
Miscellaneous	1998	10,111						37,250,827
	1997	11,038						41,420,256
Total	1998	67,530						\$253,312,405
	1997	63,759						\$259,532,539

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Beans							
Lima	1998	3,277	12.55	41,126	CWT	\$60.02	\$2,468,383
	1997	3,777	16.81	63,491	CWT	\$54.59	\$3,465,974
Miscellaneous	1998	709					591,048
	1997	556					756,559
Alfalfa	1998	1,522	6.85	10,426	TON	110.15	1,148,424
	1997	1,558	8.74	13,617	TON	122.45	1,667,402
Hay, Grain	1998	4,893	2.49	12,184	TON	77.63	945,844
	1997	5,136	2.23	11,453	TON	111.91	1,281,705
Pasture							
Irrigated	1998	5,950				120.00	714,000
	1997	5,975				122.00	728,950
Non-irrigated*	1998	597,139				7.50	4,478,543
	1997	597,662				7.30	4,362,933
Silage	1998	729	22.81	16,629	TON	16.00	266,064
	1997	679	20.82	14,137	TON	16.05	226,899
Small Grains	1998	1,705	35.00	59,675	CWT	5.39	321,648
	1997	4,723	18.22	86,053	CWT	10.07	866,554
Miscellaneous	1998	0					0
	1997	{300}					27,000
Total	1998	615,924					\$10,933,954
	1997	620,066					\$13,383,976

*Grazing land as reported by Farmland Mapping & Monitoring Program (Excludes Federal grazing allotments)

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Avocados	1998	8,316	1.67	13,888	TON	\$2,019.05	\$28,040,566
	1997	8,381	1.79	15,002	TON	\$2,216.63	\$33,253,883

Grape, Wine	1998	10,799	3.63	39,200	TON	1,509.93	59,189,256
	1997	9,369	4.63	43,379	TON	1,183.81	51,352,494
Lemon	1998	1,770	16.30	28,851	TON	368.29	10,625,535
	1997	1,636	19.33	31,624	TON	377.50	11,938,060
Strawberry Total	1998	3,281					71,393,391
	1997	3,373					68,503,889
Fresh	1998		2,070.73	6,794,065	12#	5.58	{ 37,910,883}
	1997		3,030.91	10,223,259	12#	4.57	{46,720,294}
Processing	1998		15.72	51,579	TON	649.15	{ 33,482,508}
	1997		11.58	39,059	TON	557.71	{21,783,595}
Miscellaneous	1998	1,667					5,776,303
	1997	1,767					6,864,587
<hr/>							
Total	1998	25,833					\$175,025,051
	1997	24,526					\$171,912,913
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	<u>Year</u>	<u>Production Area</u>		<u>Value</u>
		<u>House Sq. Ft.</u>	<u>Field Acres</u>	<u>Total</u>
<u>Cut Flowers & Cut Greens</u>				
Aster	1998	764,415		\$1,274,332
	+1997	1,097,316		\$2,201,111
Chrysanthemum	1998	5,937,186		11,287,312
	+1997	5,545,860		11,671,911
Delphinium	1998		112.09	1,967,673
	1997		70.82	1,604,599
Gerbera	1998	1,161,900		9,937,923
	1997	1,377,560		8,866,008
Gypsophila	1998		112.96	1,757,649

	1997		139.51	1,991,427
Lily	1998	1,730,390		10,644,452
	1997	1,249,500		8,043,651
Orchid	1998	1,549,560		5,641,033
	1997	1,709,292		4,540,710
Rose	1998	2,249,000		10,621,741
	1997	2,397,000		13,794,354
Snapdragon	1998	1,699,580	4.10	2,177,384
	+1997	1,664,540	5.50	2,315,302
Miscellaneous Cut Flowers	1998	1,444,270	1,299.07	17,428,081
	+1997	3,663,310	1,072.59	22,179,224
Cut Greens	1998		121.98	642,516
	1997		150.66	868,780
<u>Potted Plants</u>				
Chrysanthemum	1998	770,680		2,018,780
	1997	456,036		1,428,536
Foliage Plants	1998	392,630		2,693,726
	1997	339,800		3,440,500
Orchid Plants	1998	1,098,740		3,606,209
	1997	920,022		4,278,617
Poinsettia	1998	714,776		1,906,557
	1997	895,000		2,054,383
Miscellaneous Potted Plants	1998	2,881,240		17,344,236
	1997	3,224,649		18,859,206

+Revised

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Nursery Products cont.

	Year	Production Area		Value	Total
		House Sq. Ft.	Field Acres		
Herbaceous Perennials, Ground Covers, Turf, Bulbs & Bedding Plants	1998	2,283,600	139.50		7,183,497
	1997	2,056,000	170.50		7,656,759
Transplants: Vegetables, Fruit Trees & Vines	1998	6,230,391	306.00		10,736,745
	1997	4,251,487	312.70		12,651,172
Woody Ornamentals & Ground Covers	1998	270,200	142.75		6,750,210
	1997	13,000	145.25		6,642,366
Total	1998	31,178,558	2,238.45		\$125,620,056
	+1997	30,860,372	2,067.53		\$135,088,616

+ Revised

	Year	Production		Total	Value		
		Harvested Acreage	Per Acre		Unit	Per Unit	Total
Bean Seed	1998	1,033	15.05	15,547	CWT	\$62.16	\$966,402
	+1997	1,909	18.44	35,202	CWT	\$69.97	\$2,463,084
Flower Seed	1998	744					4,418,259
	1997	681					4,760,244
Vegetable Seed	1998	366					406,262
	1997	461					1,186,562
Total	1998	2,143					\$5,790,923
	+1997	3,051					\$8,409,890

+Revised

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	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per Unit	Total
Cattle and Calves	1998	50,400	381,378	CWT	\$58.45	\$22,291,544
	1997	48,000	333,115	CWT	\$59.00	\$19,653,785
Miscellaneous	1998					4,863,200
	1997					4,950,000
Total	1998					\$27,154,744
	1997					\$24,603,785

Value
Per

	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Unit</u>	<u>Total</u>
Milk and Milk Products	1998	548,274	CWT	\$15.44	8,465,351
	1997	593,793	CWT	\$12.66	7,517,419
Miscellaneous	1998				5,557,000
	1997				5,525,453
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Total	1998				\$14,022,351
	1997				\$13,042,872

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MISCELLANEOUS CROPS

VEGETABLE CROPS

Includes: Anise, artichoke, arugula, beans, beets, carrots, celery root, chard, chinese cabbage, cilantro, corn, cucumber, eggplant, endive, escarole, frisee, green beans, green onions, herbs, kale, kohlrabi, leeks, mache, mizuma, mixed vegetables, greens, onions, parsley, peppers, potato, pumpkin, radicchio, radish, squash (winter), tomatillo, tomato, and turnip.

FIELD CROPS

Miscellaneous beans

Includes: Garbanzo, fava, pinto, white and yellow beans.

FRUIT AND NUT CROPS

Includes: Apple, cherimoya, guava, lime, macadamia nut, olive, passion fruit, peach, persimmon, pistachio, sapote, and walnut.

NURSERY PRODUCTS

Miscellaneous cut flowers

Includes: Agapanthus, ageratum, alstromeria, anemone, bouvardia, calla lily, carnation, celosia, cirsium, cosmos, crespedia, dahlia, freesia, gardenia, gladiola, godetia, iris, larkspur, leptospermum, liatris, limonium, lisianthus, misty blue, monte casino, Queen Anne's lace, protea, ranunculus, solidago, statice, stock, sunflower, tuberosa, tulip, and yarrow.

Miscellaneous potted plants

Includes: African violet, begonia, carnation, cineraria, cuacuma, cyclamen, exacum, fuchsia, geranium, gerbera, gloxinia, hydrangea, impatiens, ivy, kalanchoe, lily, lisianthus, palm, primula, and rose.

LIVESTOCK AND POULTRY

Includes: Aquaculture, breeding stock, chickens, llamas, pigs and sheep.

LIVESTOCK, POULTRY AND APIARY PRODUCTS

Includes: Apiary products (honey, bees wax, pollen, pollination), eggs, fertilizer, and wool.

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LEADING DOLLAR PRODUCTS

1998 Ranking

1997 Ranking

1	Broccoli	74,411,105	1
2	Strawberry	71,393,391	2
3	Grape, Wine	59,189,256	4
4	Head Lettuce	49,363,774	3
5	Cauliflower	35,256,293	6
6	Avocado	28,040,566	5
7	Cattle	22,291,544	8
8	Celery	22,014,959	7
9	Chrysanthemum, cut	11,287,312	11
10	Lily	10,644,452	13
11	Lemon	10,625,535	10
12	Rose, cut	10,621,741	9
13	Gerbera	9,937,923	12
14	Milk	8,465,351	14
15	Leaf Lettuce	7,516,836	15
16	Bell Pepper	6,899,098	16
17	Orchid, cut	5,641,033	21
18	Pea, edible pod	4,775,772	18
19	Cabbage	4,667,109	17
20	Flower Seed	4,418,259	19
21	Summer Squash	3,777,562	27
22	Asparagus	3,697,453	20
23	Spinach	3,681,617	26
24	Orchid, potted	3,606,209	22
25	Foliage Plants	2,693,726	24
26	Bean, lima	2,468,383	23
27	Snapdragon, cut	2,177,384	31
28	Chrysanthemum, potted	2,018,780	33
29	Delphinium	1,967,673	0
30	Poinsettia	1,906,557	29
31	Gypsophila	1,757,649	30
32	Aster, cut	1,274,332	28
33	Alfalfa	1,148,424	32

SUMMARY

	<u>YEAR</u>	<u>ACREAGE</u>	<u>FOB VALUE</u>
Vegetables	1998	67,530	\$253,312,405
	1997	63,759	\$259,532,539
Field Crops	1998	615,924	10,933,954
	1997	620,066	13,383,976
Fruit & Nut Crops	1998	25,833	175,025,051
	1997	24,526	171,912,913
Nursery Products	1998	2,954	125,620,056
	+1997	2,776	135,088,616
Seed Crops	1998	2,143	5,790,923
	+1997	3,615	9,249,759
Livestock and Poultry	1998		27,154,744
	1997		24,603,785
Livestock, Poultry and Apiary Products	1998		14,022,351
	1997		13,042,872
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Total	1998	714,384	\$611,859,484
	+1997	714,178	\$626,434,460
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+Revised

COMPARATIVE AGRICULTURAL VALUES

1998	\$611,859,484
+1997	\$625,974,591
1996	581,637,098
1995	539,328,233
1994	509,777,967
1993	500,517,903
1992	443,228,285
1991	500,067,241
1990	508,517,249
1989	481,283,756
1988	436,515,018
1987	381,670,169
1986	348,169,389
1985	341,811,369
1984	323,110,206
1983	318,903,463
1982	317,152,978
1981	308,773,222

+Revised

SANTA BARBARA COUNTY SUSTAINABLE AGRICULTURAL SUMMARY*

COUNTY BIOLOGICAL CONTROL EFFORTS

<u>PEST</u>	<u>BIO-CONTROL AGENT</u>	<u>SCOPE OF PROGRAM ⁽¹⁾</u>
Ash Whitefly <i>Siphonius phillyreae</i>	Hymenoptera (wasp) <i>Encarsia partenopea</i>	County-wide+
Western Grapeleaf Skeletonizer <i>Harrisina brillians</i>	Diptera (fly) <i>Ametadoria sp.</i>	6 sites (Cuyama Valley)+
Grape Leafhopper <i>Erythroneura elegantula</i>	Hymenoptera (wasp) <i>Anagrus epos</i>	200 acres (Santa Ynez)
Russian Wheat Aphid <i>Diuraphis noxia</i>	Hymenoptera (wasp) <i>Aphelinus sp.</i> <i>Diaeretiella rapae</i>	40 acres (Santa Ynez and Santa Maria)+
Woolly Whitefly <i>Aleurothrixus floccosus</i>	Hymenoptera (wasp) <i>Cales sp.</i> <i>Amitus sp.</i>	Various sites (County-wide)+
Horn and Face Flies <i>Musca autumnalis</i> <i>Haematobia irritans</i>	Coleoptera (beetle) <i>Onthophagus taurus</i> <i>O. gazella</i> <i>O. alexis</i>	76,000 acres
Ice Plant Scale <i>Pulvinaria mesembryanthemi</i>	Hymenoptera (wasp) <i>Metaphycus sp.</i>	Various sites (County-wide)+
Eugenia psyllid <i>Trioza eugeniae</i>	Hymenoptera (wasp) Eulophidae: <i>Tamarixia sp.</i>	Various sites (County-wide)+
Blue Gum Psyllid <i>Ctenarytaina eucalypti</i>	Hymenoptera (wasp) <i>Psyllaephagus pilosus</i>	Various sites (County-wide)+
Eucalyptus Longhorned Borer <i>Phoracantha semipunctata</i>	Hymenoptera (wasp) <i>Avetianella longoi</i> <i>Syngaster lepidus</i> <i>Doryctes sp.</i>	Various sites (County-wide)
Eucalyptus Snout Beetle <i>Gonipterus scutellatus</i>	Hymenoptera (wasp) <i>Anaphes nitens</i>	3 sites (Summerland, Carpinteria and Goleta)
Italian Thistle <i>Carduus pycnocephalus</i>	Coleoptera (beetle) <i>Rhinocyllus conicus</i>	Various sites (500 acres)
Yellow Starthistle <i>Centaurea solstitialis</i>	Coleoptera (beetle) <i>Bangasternus orientalis</i> <i>Eustenopus villosus</i> Diptera (fly) <i>Urophora sirunaseva</i> <i>Chaetorellia australis</i>	Several sites (Los Padres National Forest) 11 sites (Los Padres National Forest) 3 sites (Los Padres National Forest) 2 sites (Los Padres National Forest)

* Section 2272 of the Food and Agricultural Code requires the Agricultural Commissioner to include a summary of sustainable agriculture in the Annual Report.

(1) Represents total number of individual sites, acres, etc. incorporated in the program efforts.

+ Bio-control agent effectively controlling target pest in Santa Barbara County.

Sustainable Agriculture cont.

COUNTY BIOLOGICAL CONTROL EFFORTS

<u>PEST</u>	<u>BIO-CONTROL AGENT</u>	<u>SCOPE OF PROGRAM</u>
Giant Whitefly	Hymenoptera (wasp)	5 sites

Dialeurodicus dugesii

Puncture Vine
Tribulus terrestris

Nesting Whitefly
paraleurodes minei

Entedononecremnus krauteri
Encarsiella noyesii

Coleoptera (beetle)
Microlarinus spp.

Coleoptera (beetle)
Nephaspis sp

2 site (County-wide)

3 sites (Goleta, Santa Barbara & Carpinteria)

PEST EXCLUSION

PEST (RATING)	HOST/MECHANISM/ORIGIN	NUMBER/DISPOSITION
SCALE INSECTS:		
Magnolia White Scale (A) <i>Pseudaulacaspis cockerelli</i>	Foliage/Common Carrier/Hawaii	2 Rejected/Destroyed
Tropical Palm Scale (A) <i>Hemiberlesia palmae</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Destroyed
Tropical Palm Scale (A) <i>Hemiberlesia palmae</i>	Nursery Stock/Common Carrier/Alabama	1 Rejected/Destroyed
Coconut Scale (A) <i>Aspidiotus destructor</i>	Foliage/Common Carrier/Hawaii	1 Rejected/Destroyed
Boxwood Scale (Q) <i>Pinnaaspis buxi</i>	Foliage/Common Carrier/Hawaii	1 Rejected/Destroyed
Unilobed Scale (Q) <i>Pinnaaspis uniloba</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Destroyed
Green Scale (Q) <i>Coccus viridis</i>	Foliage/Common Carrier/Hawaii	1 Rejected/Destroyed
ANTS:		
White-footed Ant (Q) <i>Technomyrmex albipes</i>	Cut Flowers/Common Carrier/Hawaii	4 Rejected/Treated
White-footed Ant (Q) <i>Technomyrmex albipes</i>	Nursery Stock/Common Carrier/Hawaii	1 Rejected/Treated
Big-headed Ant (Q) <i>Pheidole megacephala</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Treated
NEMATODES:		
Reniform Nematode (A) <i>Rotylenchulus reniformis.</i>	Nursery Stock/Common Carrier/Hawaii	1 Rejected/Destroyed
MEALYBUGS:		
Palm Mealybug (Q) <i>Palmicultor palmarum.</i>	Nursery Stock/Common Carrier/Hawaii	1 Rejected/Treated

Pest Exclusion cont.

WHITEFLYS:

Spiraling Whitefly (Q) <i>Aleurodicus dispersus</i>	Foliage/Common Carrier/Hawaii	10 Rejected/Treated
Croton Whitefly (Q) <i>Orchamoplatus mammaeferus</i>	Cut Flowers/Common Carrier/Hawaii	2 Rejected/Treated

SNAILS/SLUGS:

a snail (Q) <i>Zachrysia provisoria</i>	Nursery Stock/Common Carrier/Florida	2 Rejected/Treated
a slug (Q) <i>Veronicella sp.</i>	Nursery Stock/Common Carrier/Hawaii	1 Rejected/Treated

LEAFHOPPERS:

a leafhopper (Q) <i>Sophonia sp.</i>	Foliage/Common Carrier/Hawaii	1 Rejected/Treated
a leafhopper (Q) <i>Cicadellidae.</i>	Foliage/Common Carrier/Hawaii	1 Rejected/Treated

Rating definitions:

"A" - An organism of known economic importance subject to enforcement action involving eradication, quarantine regulation, containment, rejection, or other holding action.

"Q" - An organism or disorder requiring temporary "A" action pending determination of a permanent quarantine rating. The organism is suspected to be of economic importance, but its status is uncertain because of incomplete identification or inadequate information.

ORGANIC FARMING

55 Organic Farms were registered in Santa Barbara County in 1998. Utilizing organic principles as required by the California Organic Food Act of 1990, these farms produce a wide variety of crops.

VEGETABLE CROPS

Includes: Anise, arugula, basil, beans, beets, bell peppers, broccoli, cabbage, carrots, cauliflower, celery, chard, cherry tomato, corn, peppers, chives, cilantro, cucumber, eggplant, endive, garlic, gourmet specialty vegetables, green onions, greens, herbs, kale, lettuce, leeks, melons, mizuna, nopales, onions, oriental vegetables, parsley, peas, potato, pumpkin, radish, rhubarb, spinach, sweet potato, tomato, tomatillo, turnip, various squash, and vegetable transplants.

FRUIT AND NUT CROPS

Includes: Apple, apricot, avocado, banana, berries, cherimoya, fig, grapefruit, grape, guava, kiwi, lemon, lime, loquat, macadamia nut, mandarin, olive, orange, peach, persimmon, plum, sapote, strawberry and tangerine.

FIELD CROPS

Includes: Pasture and rangeland.

DEPARTMENT STAFF

Commissioner/Director

William D. Gillette

Deputy Commissioners

Joe Karl

Guy Tingos

Entomologist

Jerry Davidson

Plant Pathologist

Heather Scheck

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