

*1999 Santa Barbara County
Agricultural Production Report*

The cover . . .

. . . depicts the edible pod pea industry in Santa Barbara County. With over 1500 acres in production and revenues exceeding \$6 million, Santa Barbara County is ranked second in California production.

April 17, 2000

NEWS RELEASE

The Santa Barbara County Agricultural Commissioner's Office announces the release of the 1999 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 1999 of \$653,046,259, an increase of more than \$41 million when compared with 1998. 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 well over one billion dollars.

Higher yields and increased value for fresh market berries made the strawberry crop the County's leading crop in 1999, grossing \$80.1 million. Even with an increase of 2,500 acres and a value of \$74.8 million, broccoli slipped to second rank due to decreased yields and depressed prices. Wine grape production ranks third in Santa Barbara County with a value of \$60.1 million. Approximately 3,500 acres of new vines came into production in 1999. Avocados with higher yields and market value jumped from sixth to fourth position, posting \$42.7 million. Head lettuce, with gross receipts of \$41.1 million completes the list of the top five commodities produced in 1999.

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, spinach and cabbage. The success of Santa Barbara County's agriculture is in 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	1999	940	135.76	127,614	CTN	15#	\$27.61	\$3,523,423
	1998	959	154.16	147,839	CTN	15#	\$25.01	\$3,697,453
Bell Pepper	1999	1,204	746.32	898,569	CTN	25#	5.57	5,005,029
	1998	1,513	853.91	1,291,966	CTN	25#	5.34	6,899,098
Broccoli Total	1999	25,678						74,758,626
	1998	23,130						74,411,105
Fresh	1999	22,888	641.31	14,678,303	CTN	22#	4.63	{67,960,543}
	1998	20,722	657.49	13,624,508	CTN	22#	5.02	{68,395,030}
Frozen	1999	2,790	6.01	16,768	TON	TON	405.42	{6,798,083}
	1998	2,408	7.00	16,856	TON	TON	356.91	{6,016,075}
Cabbage	1999	1,607	670.55	1,077,574	CTN	50#	4.71	5,075,374
	1998	1,045	708.91	740,811	CTN	50#	6.30	4,667,109
Cauliflower	1999	10,529	689.56	7,260,377	CTN	25#	5.66	41,093,734
	1998	8,839	610.83	5,399,126	CTN	25#	6.53	35,256,293
Celery	1999	3,920	1,077.93	4,225,486	CTN	60#	6.65	28,099,482
	1998	3,736	1,059.83	3,959,525	CTN	60#	5.56	22,014,959
Lettuce, Head	1999	13,064	600.18	7,840,752	CTN	50#	5.25	41,163,948
	1998	12,711	625.37	7,949,078	CTN	50#	6.21	49,363,774
Lettuce, Leaf	1999	2,463	714.93	1,760,873	CTN	30#	5.37	9,455,888
	1998	1,937	697.96	1,351,949	CTN	30#	5.56	7,516,836
Peas, Edible Pod	1999	1,561	527.00	822,647	CTN	10#	7.80	6,416,647
	1998	1,357	416.00	564,512	CTN	10#	8.46	4,775,772
Spinach	1999	1,164	700.38	815,242	CTN	20#	5.37	4,377,850
	1998	1,122	804.24	902,357	CTN	20#	4.08	3,681,617
Squash, Summer	1999	1,139	812.32	925,233	CTN	26#	5.49	5,079,529
	1998	1,070	798.74	854,652	CTN	26#	4.42	3,777,562
Miscellaneous	1999	10,742						41,080,531
	1998	10,111						37,250,827
Total	1999	74,011						\$265,130,061
	1998	67,530						\$253,312,405

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Beans							
Lima	1999	4,050	12.46	50,463	CWT	\$53.54	\$2,701,789
	1998	3,277	12.55	41,126	CWT	\$60.02	\$2,468,383
Miscellaneous	1999	466					438,755
	1998	709					591,048
Alfalfa	1999	1,466	6.68	9,793	TON	100.26	981,846
	1998	1,522	6.85	10,426	TON	110.15	1,148,424
Hay, Grain	1999	4,491	2.69	12,081	TON	82.22	993,300
	1998	4,893	2.49	12,184	TON	77.63	945,844
Pasture							
Irrigated	1999	5,725				120.00	687,000
	1998	5,950				120.00	714,000
Non-irrigated*	1999	597,139				7.35	4,388,972
	1998	597,139				7.50	4,478,543
Silage	1999	676	19.22	12,993	TON	20.49	266,227
	1998	729	22.81	16,629	TON	16.00	266,064
Small Grains	1999	3,208	19.64	63,005	CWT	4.46	281,002
	1998	1,705	35.00	59,675	CWT	5.39	321,648
Total	1999	617,221					\$10,738,891
	1998	615,924					\$10,933,954

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

	Year	Production			Value		
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Avocados	1999	8,290	2.02	16,746	TON	\$2,550.72	\$42,714,357
	1998	8,316	1.67	13,888	TON	\$2,019.05	\$28,040,566
Grape, Wine	1999	14,064	2.99	42,051	TON	1,429.64	60,117,792
	1998	10,799	3.63	39,200	TON	1,509.93	59,189,256
Lemon	1999	1,896	13.60	25,786	TON	450.64	11,620,203
	1998	1,770	16.30	28,851	TON	368.29	10,625,535
Strawberry Total	1999	3,163					80,053,943
	1998	3,281					71,393,391
Fresh	1999		2,310.00	7,306,530	12#	6.41	{ 46,834,857}
	1998		2,070.73	6,794,065	12#	5.58	{ 37,910,883}
Processing	1999		17.76	56,175	TON	591.35	{ 33,219,086}
	1998		15.72	51,579	TON	649.15	{ 33,482,508}
Miscellaneous	1999	1,642					5,619,407
	1998	1,667					5,776,303
Total	1999	29,055					\$200,125,702
	1998	25,833					\$175,025,051

	Year	Sq. Ft.	Acres	Total
<u>Cut Flowers & Cut Greens</u>				
Aster	1999	555,508		\$1,190,566
	1998	764,415		\$1,274,332
Chrysanthemum	1999	6,096,170		11,358,149
	1998	5,937,186		11,287,312
Delphinium	1999		83.50	1,440,989
	1998		112.09	1,967,673
Gerbera	1999	1,234,400		7,633,689
	1998	1,161,900		9,937,923
Gypsophila	1999		124.49	1,930,810
	1998		112.96	1,757,649
Lily	1999	2,054,110		11,266,595
	1998	1,730,390		10,644,452
Orchid	1999	1,086,000		6,162,020
	1998	1,549,560		5,641,033
Rose	1999	2,626,000		11,499,327
	1998	2,249,000		10,621,741
Snapdragon	1999	820,400	4.60	1,633,826
	+1998	1,399,580	4.10	2,177,384
Miscellaneous Cut Flowers	1999	1,458,750	1,247.76	18,452,548
	1998	1,444,270	1,299.07	17,428,081
Cut Greens	1999		81.59	305,716
	1998		121.98	642,516
<u>Potted Plants</u>				
Foliage Plants	1999	480,000		4,400,051
	1998	392,630		2,693,726
Orchid Plants	1999	1,179,060		6,535,355
	1998	1,098,740		3,606,209
Poinsettia	1999	707,300		2,195,892
	1998	714,776		1,906,557
Miscellaneous Potted Plants	1999	2,829,239		17,671,918
	+1998	3,651,920		19,363,016

+Revised

	<u>Production Area</u>		<u>Value</u>	<u>Total</u>
	<u>Year</u>	<u>House Sq. Ft.</u>	<u>Field Acres</u>	
Herbaceous Perennials, Ground Covers, Turf, Bulbs & Bedding Plants	1999	1,533,000	141.50	7,730,420
	1998	2,283,600	139.50	7,183,497
Transplants: Vegetables, Fruit Trees & Vines	1999	6,270,751	326.00	9,367,190
	1998	6,230,391	306.00	10,736,745
Woody Ornamentals & Ground Covers	1999	219,000	122.00	5,688,800
	1998	270,200	142.75	6,750,210
Total	1999	29,149,688	2,131.44	\$126,463,861
	+1998	30,878,558	2,238.45	\$125,620,056

+ Revised

	<u>Year</u>	<u>Production</u>		<u>Total</u>	<u>Unit</u>	<u>Value</u>	
		<u>Harvested Acreage</u>	<u>Per Acre</u>			<u>Per Unit</u>	<u>Total</u>
Bean Seed	1999	1,065	20.59	21,928	CWT	\$59.00	\$1,293,752
	1998	1,033	15.05	15,547	CWT	\$62.16	\$966,402
Flower Seed	1999	812					5,704,998
	1998	744					4,418,259
Vegetable Seed	1999	649					1,900,677
	1998	366					406,262
Total	1999	2,526					\$8,899,427
	1998	2,143					\$5,790,923

+Revised

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<u>Production</u>		<u>Value</u>
<u>No. of</u>	<u>Total</u>	<u>Per</u>

	Year	Head	Liveweight	Unit	Unit	Total
Cattle and Calves	1999	52,500	383,513	CWT	\$62.32	\$23,900,530
	1998	50,400	381,378	CWT	\$58.45	\$22,291,544
Miscellaneous	1999					4,963,273
	1998					4,863,200
Total	1999					\$28,863,803
	1998					\$27,154,744

	Year	Production	Unit	Value Per Unit	Total
Milk and Milk Products	1999	595,305	CWT	\$13.87	\$8,256,880
	1998	548,274	CWT	\$15.44	\$8,465,351
Miscellaneous	1999				4,567,634
	1998				5,557,000
Total	1999				\$12,824,514
	1998				\$14,022,351

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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, grapefruit, 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, tuberose, tulip, and yarrow.

Miscellaneous potted plants

Includes: African violet, begonia, carnation, chrysanthemum, 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, and sheep.

LIVESTOCK, POULTRY AND APIARY PRODUCTS

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

LEADING DOLLAR PRODUCTS

1999 Ranking

1998 Ranking

1	Strawberry	80,053,943	2
2	Broccoli	74,758,626	1
3	Grape, Wine	60,117,792	3
4	Avocado	42,714,357	6
5	Head Lettuce	41,163,948	4
6	Cauliflower	41,093,734	5
7	Celery	28,099,482	8
8	Cattle	23,900,530	7
9	Lemon	11,620,203	11
10	Rose, cut	11,499,327	12
11	Chrysanthemum, cut	11,358,149	9
12	Lily	11,266,595	10
13	Leaf Lettuce	9,455,888	15
14	Milk	8,256,880	14
15	Gerbera	7,633,689	13
16	Orchid, potted	6,535,355	24
17	Pea, edible pod	6,416,647	18
18	Orchid, cut	6,162,020	17
19	Flower Seed	5,704,998	20
20	Cabbage	5,075,374	19
21	Summer Squash	5,079,529	21
22	Bell Pepper	5,005,029	16
23	Foliage Plants	4,400,051	25
24	Spinach	4,377,850	23
25	Asparagus	3,523,423	22
26	Bean, lima	2,701,789	26
27	Poinsettia	2,195,892	30
28	Gypsophila	1,930,810	31
29	Vegetable seed	1,900,677	
30	Snapdragon, cut	1,633,826	27
31	Delphinium	1,440,989	29
32	Bean seed	1,293,752	
33	Aster, cut	1,190,566	32

SUMMARY

	<u>YEAR</u>	<u>ACREAGE</u>	<u>FOB VALUE</u>
Vegetables	1999	74,011	\$265,130,061
	1998	67,530	\$253,312,405
Field Crops	1999	617,221	10,738,891
	1998	615,924	10,933,954
Fruit & Nut Crops	1999	29,055	200,125,702
	1998	25,833	175,025,051
Nursery Products	1999	2,801	126,463,861
	+1998	2,947	125,620,056
Seed Crops	1999	2,526	8,899,427
	1998	2,143	5,790,923
Livestock and Poultry	1999		28,863,803
	1998		27,154,744
Livestock, Poultry and Apiary Products	1999		12,824,514
	1998		14,022,351
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Total	1999	725,614	\$653,046,259
	+1998	714,377	\$611,859,484

+Revised

COMPARATIVE AGRICULTURAL VALUES

1999	\$653,046,259
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

SANTA BARBARA COUNTY SUSTAINABLE AGRICULTURAL SUMMARY*
COUNTY BIOLOGICAL CONTROL EFFORTS

PEST	BIO-CONTROL AGENT	SCOPE OF PROGRAM ⁽¹⁾
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) 16 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

PEST	BIO-CONTROL AGENT	SCOPE OF PROGRAM
Giant Whitefly <i>Dialeurodicus dugesii</i>	Hymenoptera (wasp) <i>Entedononecremnus krauteri</i> <i>Encarsiella noyesii</i>	5 sites
Puncture Vine <i>Tribulus terrestris</i>	Coleoptera (beetle) <i>Microlarinus spp.</i>	3 site (County-wide)
Nesting Whitefly <i>paraleurodes minei</i>	Coleoptera (beetle) <i>Nephaspis sp</i>	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>	Nursery Stock/Common Carrier/Florida	3 Rejected/Destroyed
	Nursery Stock/Common Carrier/Hawaii	1 Rejected/Destroyed
Coconut Scale (A) <i>Aspidiotus destructor</i>	Nursery Stock/Common Carrier/Florida	1 Rejected/Destroyed
Slender Soft Scale (Q) <i>Coccus acutissimus</i>	Foliage/Common Carrier/Hawaii	3 Rejected/Destroyed
ANTS:		
White-footed Ant (Q) <i>Technomyrmex albipes</i>	Cut Flowers/Common Carrier/Hawaii	2 Rejected/Treated
	Cut Flowers/Common Carrier/Florida	1 Rejected/Treated
Big-headed Ant (Q) <i>Pheidole megacephala</i>	Cut Flowers/Common Carrier/Hawaii	2 Rejected/Treated
NEMATODES:		
Burrowing Nematode (A) <i>Radopholus similis.</i>	Nursery Stock/Common Carrier/Hawaii	1 Rejected/Destroyed
APHIDS:		
An aphid (Q) <i>Greenidea formosana.</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Treated

Pest Exclusion cont.

WHITEFLYS:

Spiraling Whitefly (Q) Foliage/Common Carrier/Hawaii 3 Rejected/Treated
Aleurodicus dispersus

Croton Whitefly (Q) Cut Flowers/Common Carrier/Hawaii 1 Rejected/Treated
Orchamoplatus mammaeferus

SNAILS/SLUGS:

a slug (Q) Nursery Stock/Common Carrier/Hawaii 2 Rejected/Treated
Veronicella sp.

LEAFHOPPERS:

a sharpshooter (Q) Foliage/Common Carrier/Coast Rica 1 Rejected/Treated
Homalodisca sp.

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, mizuma, 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

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Deputy Commissioners

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Entomologist

Jerry Davidson

Plant Pathologist

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