

Santa Barbara County Agricultural Production Report



2001

April 2002

The Honorable Board of Supervisors

Santa Barbara County

and

William J. Lyons, Jr., Secretary

California Department of Food and Agriculture

I am pleased to submit the 2001 Santa Barbara County Agricultural Production Report. This annual report presents statistical information on the acreage, yield and value of Santa Barbara County agricultural products.

Agriculture continues to be the County's major producing industry. The 2001 gross production was valued at \$713,690,147. This is a \$21.3 million (approximately 3 %) decrease in gross value when compared with the 2000 figures.

Santa Barbara County's diversified agriculture continues to provide a strong base for our local economy. Through the multiplier effect it has a local impact in excess of \$1.5 billion dollars.

It must be emphasized that the values in this report are gross values and in no way reflect net income. All of the various costs of production must be subtracted to determine the net income.

I wish to express my appreciation for the cooperation of all the growers, organizations and individuals who provided the information necessary for this report and special thanks to the members of my staff who worked so hard at compiling it.

Respectfully submitted,

William D. Gillette
Agricultural Commissioner

The cover . . .

. . . depicts the \$12 million orchid plant and cut flower industry in Santa Barbara County.

*The artwork for the cover of this year's report was provided by
Panteek's Antique Botanical Prints (www.PANTEEK.com).*

TABLE OF CONTENTS

VEGETABLE CROPS.....	1
FIELD CROPS.....	2
FRUIT AND NUT CROPS.....	3
NURSERY PRODUCTS.....	4
SEED CROPS.....	5
LIVESTOCK AND POULTRY.....	6
LIVESTOCK, POULTRY AND APIARY PRODUCTS.....	6
MISCELLANEOUS CROPS.....	7
LEADING DOLLAR PRODUCTS.....	8
SUMMARY.....	9
COMPARATIVE AGRICULTURAL VALUES.....	10
SUSTAINABLE AGRICULTURAL SUMMARY.....	11
DEPARTMENT STAFF.....	14

	Year	Harvested Acreage	Production		Unit	Unit Wt.	Value	
			Per Acre	Total			Per Unit	Total
Asparagus	2001	703	191.48	134,610	CTN	15#	\$19.49	\$2,623,549
	2000	864	100.33	86,685	CTN	15#	\$24.52	\$2,125,516
Bell Pepper	2001	245	924.76	226,566	CTN	25#	4.89	1,107,908
	2000	500	830.05	415,025	CTN	25#	6.16	2,556,554
Broccoli	2001	24,080	613.01	14,761,281	CTN	22#	5.29	78,087,177
	2000	26,150	620.99	16,238,889	CTN	22#	6.07	98,570,056
Cabbage	2001	1,157	943.99	1,092,196	CTN	50#	5.56	6,072,610
	2000	1,429	930.28	1,329,370	CTN	50#	5.36	7,125,423
Cauliflower	2001	8,216	613.85	5,043,392	CTN	25#	6.63	33,437,689
	2000	9,015	678.48	6,116,497	CTN	25#	6.56	40,124,220
Celery	2001	3,222	1,312.09	4,227,554	CTN	60#	6.66	28,155,510
	2000	3,425	1,228.16	4,206,448	CTN	60#	8.97	37,731,839
Lettuce, Head	2001	12,093	793.49	9,595,675	CTN	50#	5.81	55,750,872
	2000	13,459	628.32	8,456,559	CTN	50#	7.67	64,861,808
Lettuce, Leaf	2001	2,595	722.04	1,873,694	CTN	30#	6.89	12,909,752
	2000	1,931	787.33	1,520,334	CTN	30#	6.70	10,186,238
Peas, Edible Pod	2001	1,645	716.71	1,178,988	CTN	10#	9.37	11,047,118
	2000	1,773	501.76	889,621	CTN	10#	8.10	7,205,930
Spinach	2001	808	860.39	695,195	CTN	20#	5.68	3,948,708
	2000	920	772.88	711,050	CTN	20#	6.18	4,394,289
Squash, Summer	2001	1,359	601.88	817,955	CTN	26#	4.60	3,762,593
	2000	1,446	603.23	872,271	CTN	26#	4.87	4,247,960
Miscellaneous	2001	11,184						45,620,808
	2000	10,233						49,540,741
Total	2001	67,307						\$282,524,294
	2000	71,145						\$328,670,574

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Beans							
Lima	2001	4,050	16.07	65,084	CWT	\$61.02	\$3,971,426
	2000	4,425	16.09	71,198	CWT	\$60.72	\$4,323,143
Miscellaneous	2001	454					588,180
	2000	454					440,370
Alfalfa	2001	1,265	7.37	9,323	TON	130.36	1,215,346
	2000	1,392	7.36	10,245	TON	100.71	1,031,774
Hay, Grain	2001	3,751	2.37	8,890	TON	85.00	755,650
	2000	3,712	2.25	8,352	TON	83.47	697,141
Pasture							
Irrigated	2001	5,500				120.00	660,000
	2000	5,500				120.00	660,000
Non-irrigated*	2001	589,640				7.50	4,422,300
	2000	589,640				7.50	4,422,300
Silage	2001	615	18.60	11,439	TON	22.00	251,658
	2000	751	13.88	10,424	TON	20.33	211,920
Small Grains	2001	2,255	18.10	40,816	CWT	4.50	183,672
	2000	3,304	25.32	83,657	CWT	4.48	374,783
Total	2001	607,530					\$12,048,232
	2000	609,178					\$12,161,431

*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
Avocado	2001	8,166	2.19	17,884	TON	\$1,839.96	\$32,905,845
	2000	8,116	1.17	9,496	TON	\$2,300.97	\$21,850,011
Grape, Wine	2001	16,634	5.52	91,820	TON	1,288.70	118,328,434
	2000	14,002	4.34	60,769	TON	1,481.73	90,043,250
Lemon	2001	1,867	10.99	20,518	TON	370.74	7,606,843
	2000	1,800	14.23	25,614	TON	389.48	9,976,141
Strawberry Total	2001	3,092					75,875,341
	2000	3,550					75,471,274
Fresh	2001		2,901.42	8,971,191	12#	6.06	{ 54,365,418}
	2000		2,609.25	9,262,824	12#	5.81	{ 53,817,007}
Processing	2001		11.21	34,661	TON	620.58	{ 21,509,923}
	2000		13.53	48,032	TON	450.83	{ 21,654,267}
Miscellaneous	2001	1,764					7,385,681
	2000	1,928					7,214,395
Total	2001	31,523					\$242,102,144
	2000	29,396					\$204,555,071

	Year	Production Area		Value
		House Sq. Ft.	Field Acres	Total
<u>Cut Flowers & Cut Greens</u>				
Aster	2001	921,165		\$2,246,964
	2000	819,272		\$2,718,883
Chrysanthemum	2001	3,223,040		9,269,087
	*2000	3,790,000		10,343,405
Delphinium	2001		74.23	1,462,362
	2000		68.48	1,991,819
Gerbera	2001	2,216,040		13,317,745
	2000	2,043,000		13,592,389
Gypsophila	2001		49.20	524,633
	2000		63.20	942,686
Lily	2001	1,720,730		10,755,844
	2000	1,871,020		12,580,997
Orchid	2001	1,080,855		5,094,643
	2000	1,160,855		5,534,497
Rose	2001	880,518		5,475,038
	2000	1,746,520		9,670,429
Snapdragon	2001	580,000	17.00	1,002,377
	2000	378,000	21.50	1,272,388
Miscellaneous Cut Flowers	2001	1,382,992	1,557.60	21,206,107
	2000	1,374,102	1,532.62	24,231,729
Cut Greens	2001		35.63	219,499
	2000		62.37	492,581
<u>Potted Plants</u>				
Foliage Plants	2001	581,000		5,341,268
	2000	709,300		6,095,139
Orchid Plants	2001	1,296,214		6,855,043
	2000	1,175,014		6,439,543
Poinsettia	2001	583,000		1,759,593
	2000	666,000		1,943,513
Miscellaneous Potted Plants	2001	3,214,849	23.83	19,371,785
	*2000	3,746,419	30.05	23,242,717

*Revised

Nursery Products cont.

	Year	Production Area		Value
		House Sq. Ft.	Field Acres	Total
Herbaceous Perennials, Ground Covers, Turf, Bulbs & Bedding Plants	2001	1,439,253	126.49	10,233,856
	2000	1,293,000	142.67	7,908,739
Transplants: Vegetables, Fruit Trees & Vines	2001	4,143,000	181.42	6,745,254
	2000	4,074,000	294.60	6,773,306
Woody Ornamentals & Ground Covers	2001	161,140	73.50	4,684,042
	2000	100,000	87.25	4,944,028
Total	2001	23,423,796	2,138.90	\$125,565,140
	*2000	24,946,502	2,302.74	\$140,718,788

*Revised

	Year	Production			Value	
		Harvested Acreage	Per Acre	Total	Per Unit	Total
Bean Seed	2001	598				\$ 867,300
	2000	637				\$ 893,966
Flower Seed	2001	746				5,854,069
	2000	758				5,450,698
Vegetable Seed	2001	387				1,703,245
	2000	422				1,396,168
Total	2001	1,731				\$8,424,614
	2000	1,817				\$7,740,832

	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per Unit	Total
Cattle and Calves	2001	47,300	326,843	CWT	\$69.80	\$22,813,641
	2000	50,700	350,278	CWT	\$65.22	\$22,845,131
Miscellaneous	2001					4,678,082
	2000					4,516,165
Total	2001					\$27,491,723
	2000					\$27,361,296

	Year	Production	Unit	Value	
				Per Unit	Total
Milk and Milk Products	2001	597,512	CWT	\$ 14.38	\$8,592,223
	2000	574,772	CWT	\$ 11.85	\$6,811,048
Miscellaneous	2001				6,941,777
	2000				6,984,861
Total	2001				\$15,534,000
	2000				\$13,795,909

MISCELLANEOUS CROPS

VEGETABLE CROPS

Includes: Anise, artichoke, arugula, beets, carrots, celery root, chard, Chinese cabbage, cilantro, corn, cucumber, 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 watercress.

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, raspberry sapote, and walnut.

NURSERY PRODUCTS

Miscellaneous cut flowers

Includes: Achillea agapanthus, alstromeria, anemone, anthurium, bells of Ireland cantebury bell, calla lily, carnation, cosmos, craspedia, dahlia, dianthus, flax, freesia, gardenia, gladiola, godetia, hydrangia, hypericum, horsetail iris, larkspur, liatris, lilac, limonium, lisianthus, misty blue, monte casino, protea Queen Anne's lace, ranunculus, solidago, statice, stock, strawflower, sunflower, tuberosa, tulip, yarrow, and volkutum.

Miscellaneous potted plants

Includes: African violet, alstroemeria, anemoe, azalea, begonia, calla lily, carnation, chrysanthemum, cineraria, cyclamen, dahlia exacum, fuchsia, geranium, gerbera, hydrangea, impatiens, kalanchoe, lily, lisianthus, palm, petunia, rose and rununculus.

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

2001 Ranking

2000 Ranking

1	Grape, Wine	118,328,434	2
2	Broccoli	78,087,177	1
3	Strawberry	75,875,341	3
4	Head Lettuce	55,750,872	4
5	Cauliflower	33,437,689	5
6	Avocado	32,905,845	8
7	Celery	28,155,510	6
8	Cattle	22,813,641	7
9	Gerbera	13,317,745	9
10	Leaf Lettuce	12,909,752	12
11	Pea, edible pod	11,047,118	15
12	Lily	10,755,844	10
13	Chrysanthemum, cut	9,269,087	11
14	Milk	8,592,223	17
15	Lemon	7,606,843	13
16	Orchid, potted	6,855,043	18
17	Cabbage	6,072,610	16
18	Flower Seed	5,854,069	20
19	Rose, cut	5,475,038	14
20	Foliage Plants	5,341,268	19
21	Orchid, cut	5,094,643	21
22	Bean, lima	3,971,426	23
23	Spinach	3,948,708	22
24	Summer Squash	3,762,593	24
25	Asparagus	2,623,549	27
26	Aster, cut	2,246,964	25
27	Poinsettia	1,759,593	29
28	Vegetable seed	1,703,245	30
29	Delphinium	1,462,362	28
30	Alfalfa	1,215,346	32
31	Bell Pepper	1,107,908	26
32	Snapdragon, cut	1,002,377	31

SUMMARY

	<u>YEAR</u>	<u>ACREAGE</u>	<u>FOB VALUE</u>
Vegetables	2001	67,307	\$282,524,294
	2000	71,145	\$328,670,574
Field Crops	2001	607,530	12,048,232
	2000	609,178	12,161,431
Fruit & Nut Crops	2001	31,523	242,102,144
	2000	29,396	204,555,071
Nursery Products	2001	2,677	125,565,140
	*2000	2,875	140,718,788
Seed Crops	2001	1,731	8,424,614
	2000	1,817	7,740,832
Livestock and Poultry	2001		27,491,723
	2000		27,361,296
Livestock, Poultry and Apiary Products	2001		15,534,000
	2000		13,795,909
<hr/>			
Total	2001	710,768	\$713,690,147
	*2000	714,411	\$735,003,901

*Revised

COMPARATIVE AGRICULTURAL VALUES

2001	\$713,690,147
2000	735,003,901
1999	656,969,259
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

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 (parasitic wasp) <i>Encarsia partenopea</i>	County-wide+
Western Grapeleaf Skeletonizer <i>Harrisina brillians</i>	Diptera (larval parasitic fly) <i>Ametadoria sp.</i>	6 sites (Cuyama Valley)+
Grape Leafhopper <i>Erythroneura elegantula</i>	Hymenoptera (egg parasitic wasp) <i>Anagrus epos</i>	200 acres (Santa Ynez)
Russian Wheat Aphid <i>Diuraphis noxia</i>	Hymenoptera (parasitic wasp) <i>Aphelinus sp.</i> <i>Diaeretiella rapae</i>	40 acres (Santa Ynez and Santa Maria)+
Woolly Whitefly <i>Aleurothrixus floccosus</i>	Hymenoptera (parasitic 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: Scarabaeidae <i>Onthophagus taurus</i> <i>O. gazella</i> <i>O. alexis</i>	76,000 acres
Ice Plant Scale <i>Pulvinaria mesembryanthemi</i>	Hymenoptera (parasitic wasp) <i>Metaphycus sp.</i>	Various sites (County-wide)+
Eugenia Psyllid <i>Trioza eugeniae</i>	Hymenoptera (parasitic wasp) Eulophidae: <i>Tamarixia sp.</i>	Various sites (County-wide)+
Blue Gum Psyllid <i>Ctenarytaina eucalypti</i>	Hymenoptera (parasitic wasp) <i>Psyllaephagus pilosus</i>	Various sites (County-wide)+
Eucalyptus Longhorned Borer <i>Phoracantha semipunctata</i>	Hymenoptera (parasitic wasp) <i>Avetianella longoi</i> (egg parasite) <i>Syngaster lepidus</i> (larval parasite) <i>Doryctes sp.</i> (larval parasite)	Various sites (County-wide)
Eucalyptus Snout Beetle <i>Gonipterus scutellatus</i>	Hymenoptera (parasitic wasp) <i>Anaphes nitens</i>	3 sites (Summerland, Carpinteria Goleta)
Italian Thistle <i>Carduus pycnocephalus</i>	Coleoptera: Curculionidae <i>Rhinocyllus conicus</i>	Various sites (500 acres)
Yellow Starthistle <i>Centaurea solstitialis</i>	Coleoptera: Curculionidae <i>Bangasternus orientalis</i> (a bud weevil) <i>Eustenopus villosus</i> (Hairy weevil) <i>Larinus curtis</i> (a flower weevil) Diptera: Tephritidae <i>Urophora sirunaseva</i> (a gall fly) <i>Chaetorellia succineas</i> (seedhead fly)	Several sites (Los Padres National Forest) 24 sites (Los Padres National Forest) 1 site (Los Padres National Forest) 3 sites (Los Padres National Forest) 2 sites (Los Padres National Forest)

(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 <i>Dialeurodicus dugesii</i>	Hymenoptera (parasitic wasp) <i>Entedononecremnus krauteri</i> (larval parasite) <i>Encarsiella noyesii</i> (larval parasite) <i>Idioporus affinis</i> (larval parasite)	82 sites (Goleta & Santa Barbara)
Puncture Vine <i>Tribulus terrestris</i>	Coleoptera: Curculionidae <i>Microlarinus spp.</i>	3 site (County-wide)
Olive Fruit Fly <i>Acteroce oloaeae</i>	Hymenoptera (parasitic wasp) <i>Tsyttalia concolor</i> (larval parasite)	9 sites (Santa Barbara & Monticito)
Nesting Whitefly <i>paraleurodes minei</i>	Coleoptera: Coccinellidae <i>Nephaspis sp</i> (a ladybug)	3 sites (Goleta, Santa Barbara & Carpinteria)
Australian Tortoise Beetle <i>Tracmela sloanei</i>	Hymenoptera (parasitic wasp) <i>Enoggera reticulata</i>	1 site (Goleta)

PEST EXCLUSION

<u>PEST (RATING)</u>	<u>HOST/MECHANISM/ORIGIN</u>	<u>NUMBER/DISPOSITION</u>
SCALE INSECTS:		
Magnolia White Scale (A) <i>Pseudaulacaspis cockerelli</i>	Nursery Stock/Common Carrier/Florida	1 Rejected/Destroyed
Tropical Palm Scale (A) <i>Hemibereisia palmae</i>	Nursery Stock/Common Carrier/Florida	1 Rejected/Treated
an armored scale (A)	Nursery Stock/Common Carrier/	1 Rejected/Destroyed
ANTS:		
an ant (Q) <i>Pheidole sp.</i>	Nursery Stock/Common Carrier/Florida	2 Rejected/Treated
APHIDS:		
An aphid (Q) <i>Aphididae.</i>	Cut Flowers/Common Carrier/Hawaii	1 Rejected/Treated
WHITEFLYS:		
Spiraling Whitefly (Q) <i>Aleurodicus dispersus</i>	Foliage/Common Carrier/Hawaii	2 Rejected/Treated
Croton Whitefly (Q) <i>Orchamplatus mammaeferus</i>	Foliage/Common Carrier/Hawaii	3 Rejected/Treated
WEEDS:		
<i>Euphorbia hirta</i>	Nursery Stock/Common Carrier/Florida	1 Rejected/Treated
<i>Ceratopteris thalictroides</i>	Nursery Stock/Common Carrier/Canada	1 Rejected/Destroyed
<i>Bacopa monnieri</i>	Nursery Stock/Common Carrier/Canada	1 Rejected/Destroyed

Pest Exclusion cont.

BEETLES:

a bark beetle (Q)

Nursery Stock/Common Carrier/Hawaii

2 Rejected/Destroyed

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

68 Organic Farms were registered in Santa Barbara County in 2001. 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, asparagus, 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, squash, sweet potato, tomato, tomatillo, turnip, and vegetable transplants.

FRUIT AND NUT CROPS

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

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

Supervising Agricultural Biologists

David Chang Curtis Sayer
Debbie Trupe

Supervising Weights and Measures Inspector

Diane Green

Business Manager

Elena Morelos

Computer System Specialist

Gus Maio

Administrative Staff

Judi Douglass Joyce McElligott
Joyce Kougl Veronica Reyes

Weights and Measures Inspectors

Dennis Gibson Rod Ross

Agricultural Biologists

Susan Bryant	Harriet Heath
Gary Burns	Steve Loyal
Mike Champion	Lottie Martin
Alma Cangelosi	Ken Masuda
Kevin Cheesman	Mary Ann Rajala
Elizabeth Davis	Mike Roberts
Tom Donlon	Jeff Saleen
Maria Grijalva	Stephanie Stark

