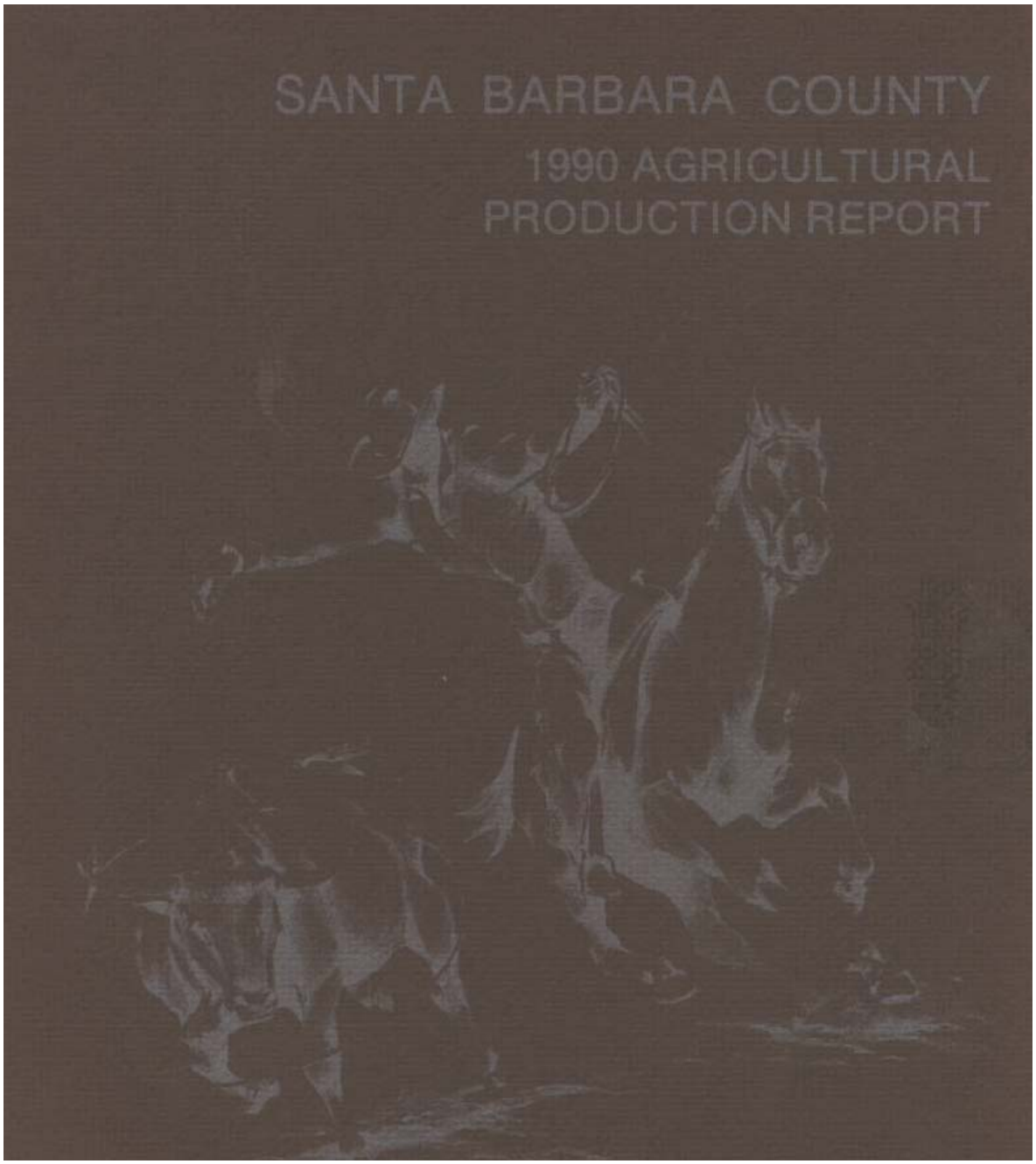

. . . depicts the multi-million dollar cattle industry in Santa Barbara County.

Santa Barbara County is recognized throughout California and the United States for fine quality beef products.

The drawing for this 1990 Agricultural Production Report was done by Nat D. Fast.

The Honorable Board of Supervisors of Santa Barbara County

Dianne Owens, Chair, 4th District
Gloria Megino Ochoa, 1st District
Tom Rogers, 2nd District
William Wallace, 3rd District
Mike Stoker, 5th District

and

Henry J. Voss, Director
California Department of Food and Agriculture

I am pleased to submit the 1990 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 with a gross production value for 1990 of $515,590,385. While overall production was up for 1990 the continuing drought severely impacted many products and individual producers. Livestock owners continued to sell off their breeding herds due to lack of forage resulting in millions of dollars of what can only be characterized as illusionary income. Dryland farming operations continued to wither and production costs for all agriculture increased substantially due to the drought. Santa Barbara County's agriculture continues to provide a strong base for our local economy with its diversification and through the multiplier effect it has a local impact in excess of one billion dollars.

It must be emphasized that the values in this report are gross values and in no way reflect net income. The costs of production, which in some cases exceeded gross returns, 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,

RONALD M. GILMAN
Agricultural Commissioner
Director of Weights and Measures

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VEGETABLE CROPS

	Year	Harvested Acreage	Production Per Acre	Production Total	Unit	Unit Wt.	Value Per Unit	Value Total
Artichokes	1990	1,180	412.59	486,856	CTN.	25#	$ 7.52	$ 3,661,157
	1989	1,172	537.54	629,997	CTN.	25#	$ 5.70	$ 3,590,983
Broccoli								
Fresh	1990	11,342	619.22	7,023,193	CTN.	22#	4.56	32,025,760
	1989	13,444	642.01	8,631,182	CTN.	22#	4.49	38,754,007
Frozen	1990	5,048	4.48	22,615	TON	TON	361.75	8,180,976
	1989	5,388	4.50	24,246	TON	TON	360.14	8,731,954
Cabbage	1990	3,533	285.87	1,009,979	CTN.	50#	4.82	4,868,099
	1989	1,385	762.78	1,056,450	CTN.	50#	5.53	5,842,169
Carrots	1990	2,565	33.91	86,979	TON	TON	96.96	8,433,484
	1989	2,453	41.65	102,168	TON	TON	57.91	5,916,549
Cauliflower								
Fresh	1990	7,872	601.08	4,731,702	CTN.	25#	5.76	27,254,604
	1989	7,378	623.90	4,603,134	CTN.	25#	5.77	26,560,083
Frozen	1990	1,724	4.00	6,896	TON	TON	506.22	3,490,893
	1989	1,344	4.11	5,524	TON	TON	509.02	2,811,826
Celery	1990	3,092	959.49	2,966,743	CTN.	60#	6.27	18,601,479
	1989	3,478	1,068.99	3,717,947	CTN.	60#	6.34	23,571,784
Lettuce, Head	1990	7,446	729.81	5,434,165	CTN.	50#	5.93	32,224,599
	1989	6,817	749.28	5,107,842	CTN.	50#	5.67	28,961,464
Lettuce, Leaf	1990	1,923	645.53	1,241,354	CTN.	30#	5.01	6,219,184
	1989	2,043	707.28	1,444,973	CTN.	30#	5.42	7,831,754
Peas, Edible Pod	1990	1,266	459.12	581,246	CTN.	10#	7.63	4,434,907
	1989	689	615.28	423,928	CTN.	10#	10.97	4,650,490
Spinach	1990	1,252	550.71	689,489	CTN.	20#	4.94	3,406,076
	1989	779	845.19	658,403	CTN.	20#	4.17	2,745,541
Squash, Summer	1990	1,085	601.78	652,931	CTN.	26#	5.16	3,369,124
	1989	758	645.35	489,175	CTN.	26#	5.15	2,519,251
Tomatoes	1990	545	24.95	13,598	TON	TON	55.20	750,610
	1989	240	30.90	7,416	TON	TON	57.83	428,867
Miscellaneous	1990	6,168						19,364,103
	1989	4,516						18,243,471
Total	1990	56,041						$176,285,055
	1989	51,884						$181,160,193

FIELD CROPS

	Year	Harvested Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Value Total
Barley	1990	1,504	8.23	12,378	CWT.	$ 7.26	$ 89,864
	1989	1,526	6.99	10,667	CWT.	$ 8.16	$ 87,043
Beans, Lima	1990	5,287	13.46	71,163	CWT.	47.35	3,369,568
	1989	3,195	17.24	55,082	CWT.	49.79	2,742,533
Miscellaneous	1990	524					331,458
	1989	159					151,700
Alfalfa	1990	4,011	6.95	27,877	TON	133.75	3,728,549
	1989	3,921	7.29	28,584	TON	122.83	3,510,973
Hay, Grain	1990	7,756	1.76	13,651	TON	95.98	1,310,223
	1989	7,112	1.43	10,170	TON	110.19	1,120,632
Oats, including seed	1990	279	9.99	2,787	CWT.	23.42	65,272
	1989	397	13.38	5,312	CWT.	13.30	70,650
Pasture, Irrigated	1990	6,125				100.00	612,500
	1989	6,187				90.00	556,830
Pasture, Non-irrigated	1990	774,349				6.08	4,708,042
	1989	770,140				6.10	4,697,854
Silage	1990	1,150	20.45	23,518	TON	20.91	491,761
	1989	1,456	18.14	26,412	TON	17.56	463,795
Wheat	1990	528	21.29	11,241	CWT.	5.07	56,992
	1989	3,230	13.34	43,088	CWT.	6.70	288,690
Miscellaneous	1990	0		1,846	TON	15.81	29,185
	1989	587					78,615
Total	1990	801,513					$14,793,414
	1989	797,910					$13,769,315

FRUIT AND NUT CROPS

	Year	Planted	Harvested Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Value Total
Avocados	1990	10,300	9,610	1.83	17,586	TON	$3,200.85	$ 56,290,148
	1989	10,301	9,427	2.20	20,739	TON	$1,849.29	$ 38,352,425
Grapes	1990	9,542	8,151	3.77	30,729	TON	1,015.90	31,217,591
	1989	9,592	7,613	3.71	28,244	TON	1,067.95	30,163,180
Lemons	1990	1,500	1,386	13.36	18,517	TON	405.04	7,500,126
	1989	1,494	1,447	13.83	20,012	TON	307.68	6,157,292
Strawberries	1990	4,530	4,530					
Fresh	1990	4,035	4,035	2,950.14	11,903,815	12# TRAYS	5.41	64,399,639
	1989	4,617	4,617	3,064.16	14,147,226	12# TRAYS	5.29	74,838,825
Processing	1990	4,530	4,530	3.87	17,531	TON	590.32	10,348,900
	1989				20,276	TON	526.41	10,673,489
Walnuts	1990	747	692	.88	609	TON	930.00	566,370
	1989	971	759	1.29	979	TON	1010.00	988,790
Miscellaneous	1990	342	331					3,224,301
	1989	225	195					1,711,389
Total	1990	26,961	24,700					$173,547,075
	1989	27,200	24,058					$162,885,390

NURSERY PRODUCTS

	Year	Production Area: House Sq. Ft.	Production Area: Field Acres	Value: Total
Cut Flowers & Cut Greens				
Carnations	1990	604,540	.00	$ 1,070,500
	1989	597,300	4.00	$ 860,100
Chrysanthemums	1990	10,365,886	.00	11,501,158
	1989	12,849,906		12,661,423
Gerbera	1990	920,750		4,190,400
	1989	0	.00	.00
Gypsophila	1990		340.25	3,503,809
	1989		395.00	3,969,095
Orchids	1990	1,584,920		6,565,862
	1989	1,897,340		6,393,597
Proteas	1990		163.00	247,229
	1989		102.00	510,200
Roses	1990	1,408,000		5,360,000
	1989	1,056,570		3,991,700
Statice	1990		52.15	481,872
	1989		83.01	424,206
Miscellaneous Flowers	1990	3,689,390	280.10	5,959,304
	1989	2,965,995	237.01	6,488,883
Miscellaneous Greens, Trees and Wood Products	1990		248.00	475,085
	1989		220.58	528,978
Potted Plants				
Chrysanthemums	1990	4,661,272		7,490,158
	1989	783,373		6,954,428
Miscellaneous Flowering Plants	1990	1,975,230	10.00	3,581,498
	1989	1,236,346	8.50	2,931,032
Foliage Plants	1990	924,770	.00	2,261,766
	1989	517,157	2.50	3,272,569
Orchid Plants	1990	1,422,692		7,157,334
	1989	1,039,780		5,148,139
Poinsettias	1990	515,828		1,147,626
	1989	513,284		1,564,049

	Year	Production Area: House Sq. Ft.	Production Area: Field Acres	Value: Total
Fruit Trees & Vines	1990	1,700	.50	$ 22,048
	1989		.61	$ 36,230
Herbaceous Perennials & Ground Covers, Turf, Bulbs & Bedding Plants	1990	42,784	268.40	7,489,689
	1989	301,504	49.31	4,814,817
Vegetable Transplants	1990	1,801,424	80.00	5,034,837
	1989	227,972	33.00	1,873,950
Woody Ornamentals & Ground Covers	1990	159.580	240.00	7,813,588
	1989		155.68	8,106,800
Total	1990	30,078,766	1,682.40	$81,353,763
	1989	23,991,027	1,291.20	$70,530,196

SEED CROPS

	Year	Harvested Acreage	Production: Per Acre	Production: Total	Unit	Value: Per Unit	Value: Total
Bean Seed	1990	4,114	14.35	59,036	CWT.	$53.15	$3,137,763
	1989	2,576	15.92	41,010	CWT.	$44.49	$1,824,535
Flower Seed	1990	807					5,018,014
	1989	684					3,390,541
Vegetable Seed	1990	590					1,668,620
	1989	403					1,446,692
Miscellaneous	1990	0					0
	1989	0					0
Total	1990	5,511					$9,824,397
	1989	3,663					$6,661,768

LIVESTOCK AND POULTRY

		Production			Value	
	Year	No. of Head	Total Liveweight	Unit	Per Unit	Total
Cattle and Calves	1990*	85,881	517,004	CWT.	$78.90	$40,791,616
	1989	53,063	354,334	CWT.	$73.87	$26,174,653
Hogs and Pigs	1990	1,741	3,578	CWT.	57.69	206,415
	1989	1,887	2,868	CWT.	60.90	174,661
Sheep and Lambs	1990	4,860	4,804	CWT.	59.14	284,109
	1989	5,617	6,005	CWT.	72.14	433,201
Miscellaneous	1990					6,240,195
	1989					7,646,830
Total	1990					$47,522,335
	1989					$34,429,345

* Drought Induced Herd Reduction

LIVESTOCK, POULTRY AND APIARY PRODUCTS

				Value	
	Year	Production	Unit	Per Unit	Total
Apiary	1990				$ 228,641
	1989				$ 134,243
Milk and Milk Products	1990	561,926	CWT.	$12.16	6,833,020
	1989	514,166	CWT.	$12.39	6,370,517
Wool	1990	58,350	LBS.	1.00	58,350
	1989	62,100	LBS.	1.52	94,392
Miscellaneous	1990				5,144,335
	1989				5,248,397
Total	1990				$12,264,346
	1989				$11,847,549

MISCELLANEOUS CROPS

VEGETABLES

Includes: Anise, asparagus, beans (snap), beets, bell peppers, carrots (bunch), cherry tomatoes, chinese vegetables, cilantro, cilantro (dehydrated), corn (sweet), cucumbers, endive, escarole, herbs, kale, leeks, melons, mix vegetables, onions (dry), parsley, parsley (dehydrated), peppers, peppers (dehydrated), potatoes, pumpkins, rutabegas, and turnips.

FIELD CROPS

Miscellaneous beans -
Includes: Garbanzos, pintos, pinquito, and yellows.

Miscellaneous cattle feed -
Includes: Bean and corn.

FRUIT AND NUT CROPS

Includes: Apples, apricots, cherimoyas, guavas, kiwis, limes, macadamias, passion fruit, persimmons, raspberries, sapote, and table grapes.

LIVESTOCK AND POULTRY

Includes: Breeding stock, chickens, game birds, goats, and rabbits.

LIVESTOCK, POULTRY AND APIARY PRODUCTS

MILLION DOLLAR PRODUCTS

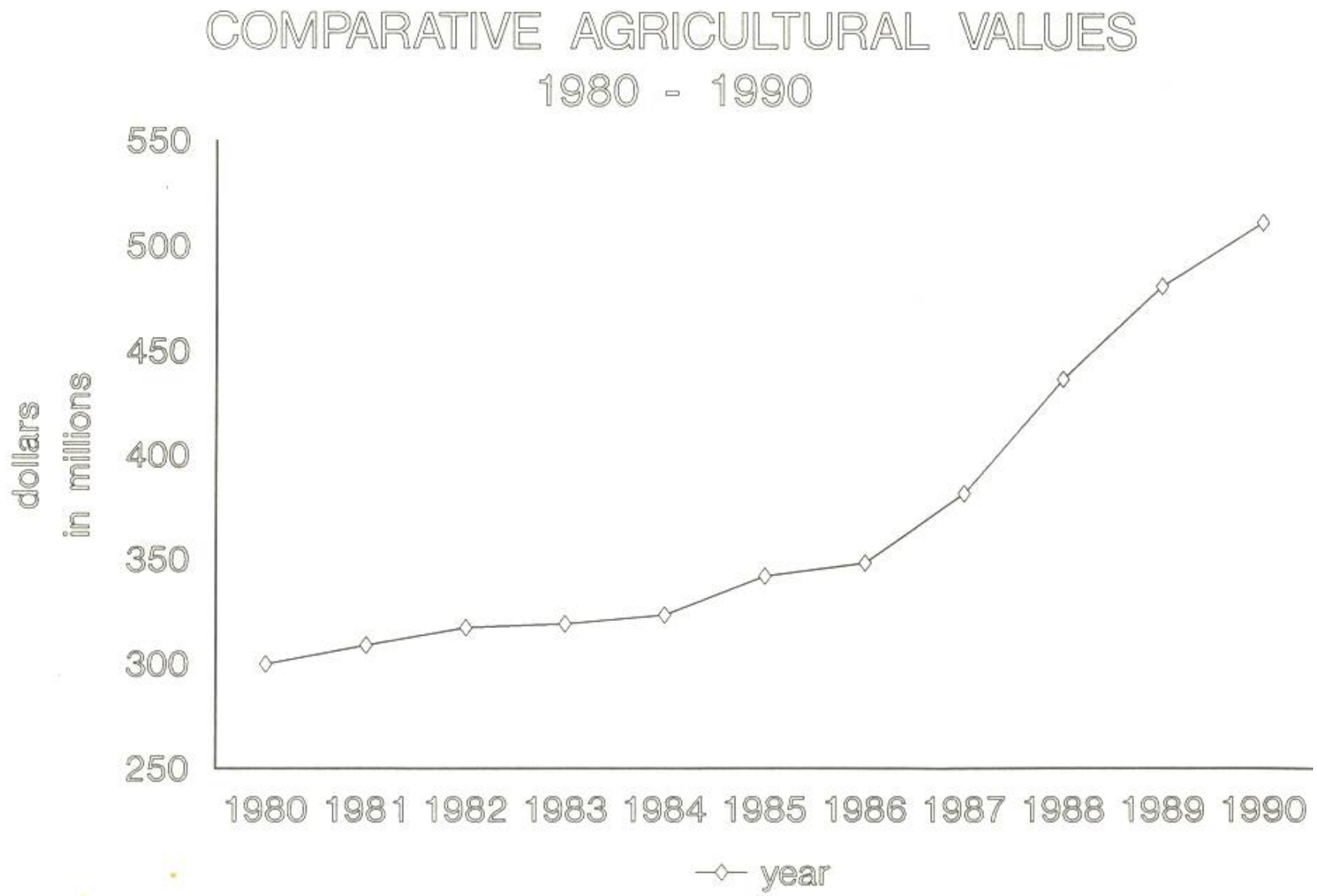
1990 RANKING			1989 RANKING
1	Strawberries	$74,748,539	1
2	Avocados	56,290,148	3
3	Cattle	*40,791,616	7
4	Broccoli	40,206,736	2
5	Lettuce, Head	32,224,599	6
6	Grapes	31,217,591	4
7	Cauliflower	30,745,497	5
8	Celery	18,601,479	8
9	Cut Chrysanthemums	11,501,158	9
10	Carrots	8,433,848	17
11	Woody Ornamentals	7,813,588	10
12	Lemons	7,500,126	16
13	Potted Chrysanthemums	7,490,158	12
14	Herbaceous Plants	7,489,689	20
15	Potted Orchids	7,157,334	19
16	Milk	6,833,020	15
17	Cut Orchids	6,565,862	14
18	Lettuce, Leaf	6,219,184	11
19	Miscellaneous Cut Flowers	5,959,304	13
20	Roses	5,360,000	23
21	Vegetable Transplants	5,034,837	33
22	Flower Seed	5,018,014	27
23	Cabbage	4,868,099	18
24	Pasture, Non-irrigated	4,708,042	21
25	Peas, Edible Pods	4,434,907	22
26	Gerbera	4,190,400	--
27	Alfalfa	3,728,549	26
28	Artichokes	3,661,157	25
29	Flowering Plants	3,581,498	29
30	Gypsophila	3,503,809	24
31	Spinach	3,406,076	30
32	Beans, Lima	3,369,568	31
33	Squash, Summer	3,369,124	32
34	Bean, Seed	3,137,763	34
35	Foliage Plants	2,261,766	28
36	Vegetable Seed	1,668,620	36
37	Hay, Grain	1,310,223	37
38	Poinsettias	1,147,626	35
39	Carnations	1,070,500	--

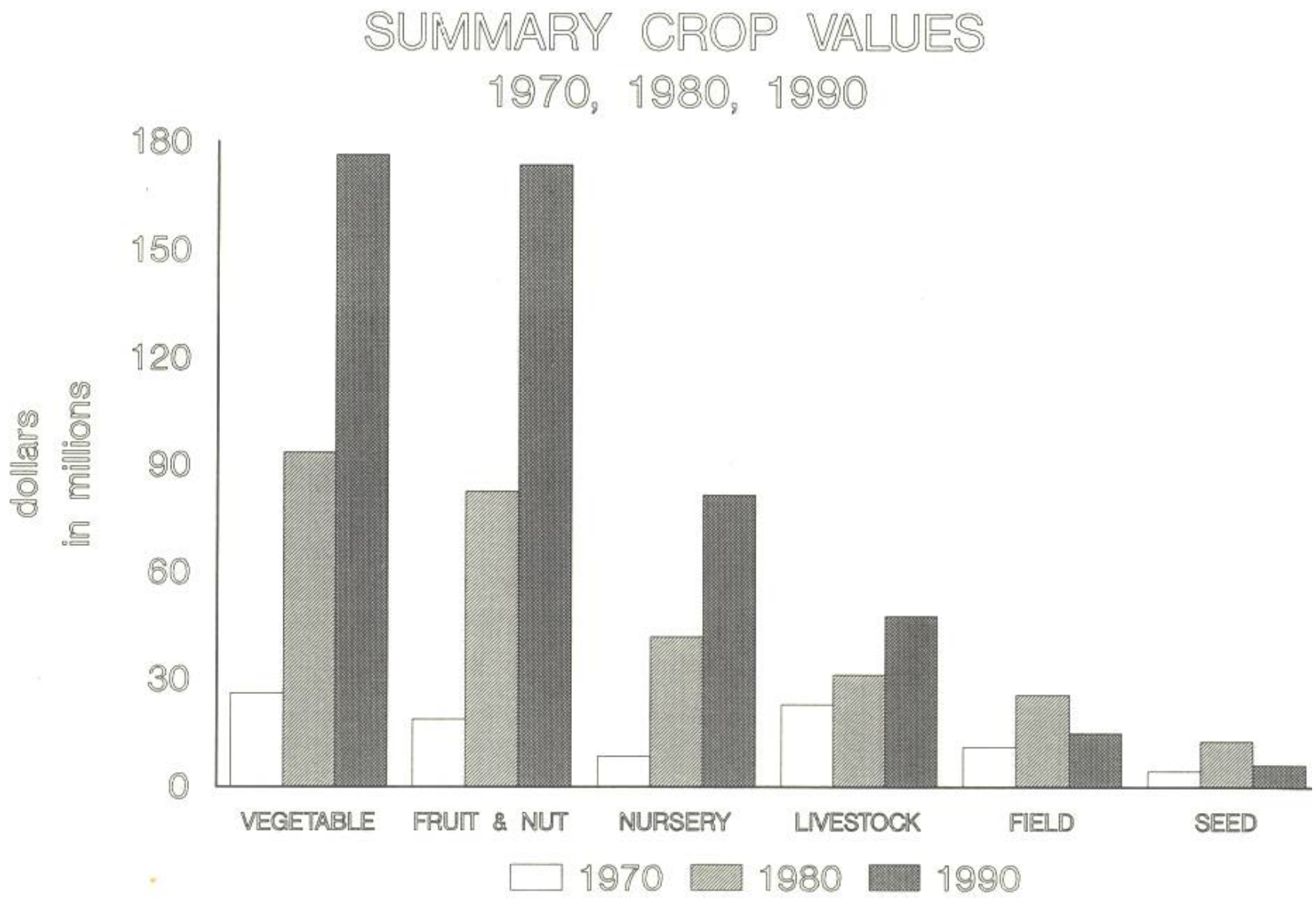
SUMMARY

	YEAR	ACREAGE	FOB VALUE
Vegetables	1990	56,041	$176,285,055
	1989	51,884	$181,160,193
Field Crops	1990	801,513	14,793,414
	1989	797,910	13,769,315
Fruit and Nut Crops	1990	24,700	173,547,075
	1989	24,058	162,885,390
Nursery Products	1990	2,373	81,353,763
	1989	1,842	70,530,196
Seed Crops	1990	5,511	9,824,397
	1989	3,663	6,661,768
Livestock and Poultry*	1990		47,522,335
	1989		34,429,345
Livestock, Poultry and Apiary Products	1990		12,264,346
	1989		11,847,549
Total	1990	890,138	$515,590,385
	1989	879,357	$481,283,756

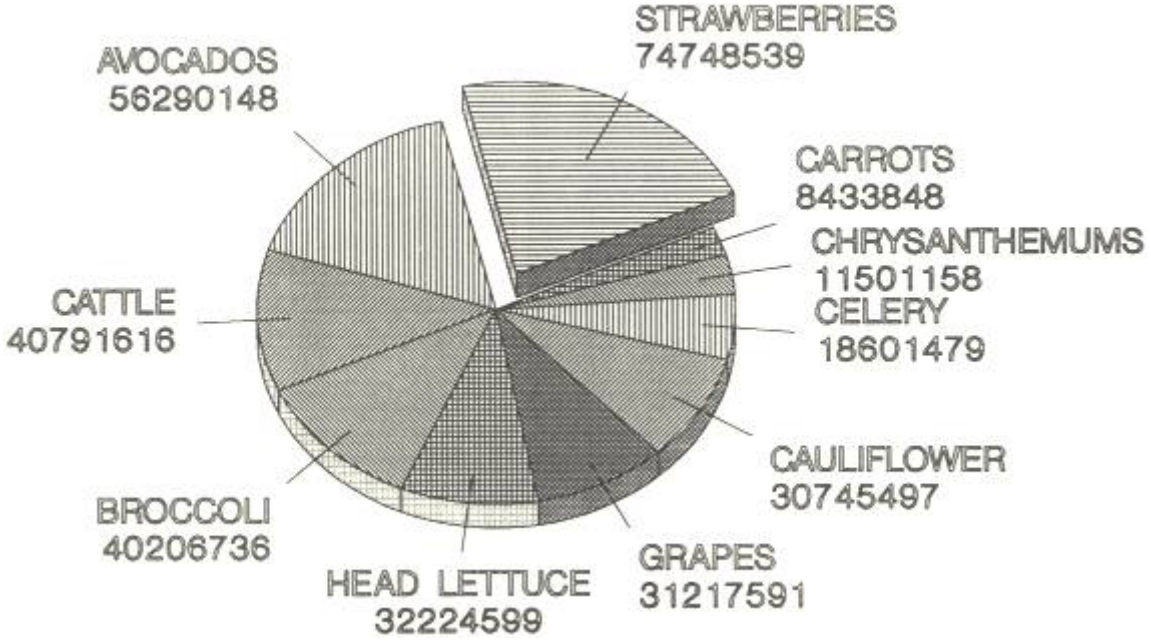
COMPARATIVE AGRICULTURAL VALUES

1990*	$515,590,385
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
1980	299,862,444
1979	248,525,596
1978	208,020,620
1977	190,907,996
1976	165,867,484
1975	157,762,348

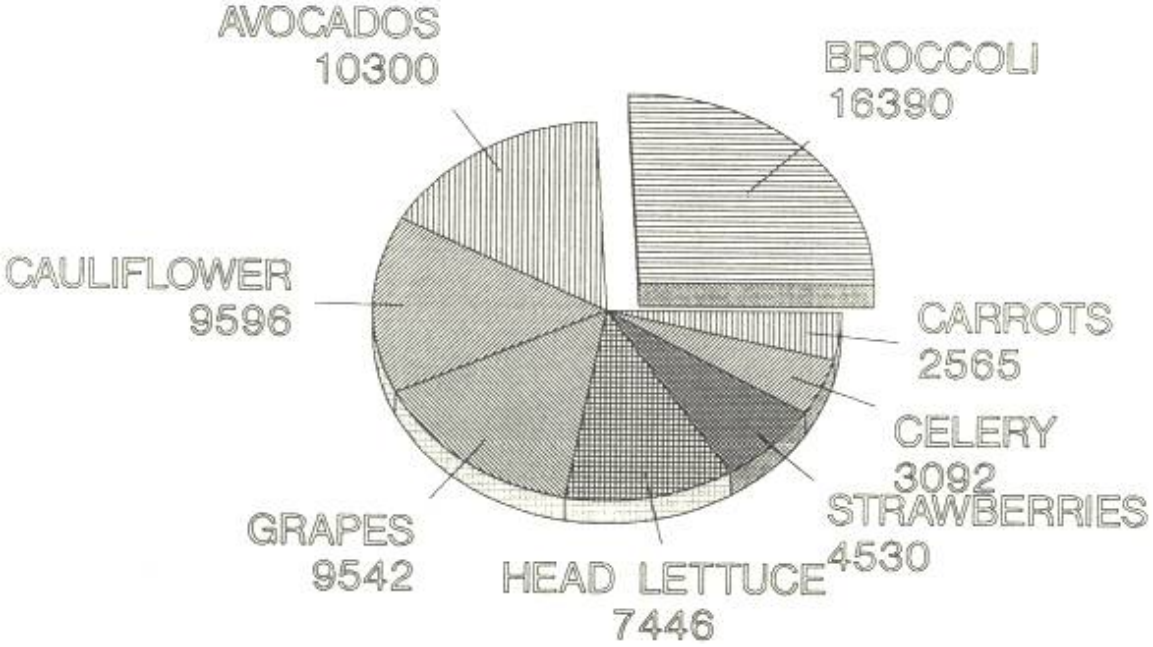

COMPARATIVE AGRICULTURAL VALUES
1980 - 1990
dollars
in millions
550
500
450
400
350
300
250
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990
year


SUMMARY CROP VALUES
1970, 1980, 1990
dollars
in millions
180
150
120
90
60
30
0
VEGETABLE
FRUIT & NUT
NURSERY
LIVESTOCK
FIELD
SEED
1970
1980
1990

SANTA BARBARA COUNTY
THE TOP TEN PRODUCTS



LEADING CROP ACREAGES
1990



SANTA BARBARA COUNTY ANNUAL SUSTAINABLE AGRICULTURAL SUMMARY*

PEST	AGENT/MECHANISM	SCOPE OF PROGRAM (1)
COUNTY BIOLOGICAL CONTROL		
Ash Whitefly Siphonius phillyreae	Hymenoptera wasp Encarsia partenopea	6 sites
Western Grapefleaf Skeletonizer Harrisina brillians	Diptera fly Ametadoria sp.	3 sites
Grape Leafhopper Erythroneura elegantula	Hymenoptera wasp Anagrus epos	100 acres
Russian Wheat Aphid Diuraphis moxia	Hymenoptera wasps Aphelinus spp. Diaeretiella rapae	400 acres
Woolly Whitefly Aleurothrixus floccosus	Hymenoptera wasps Cales spp. Amitus spp.	6 sites
Horn and Face Flies	Coleoptera scarabaeidae Onthophagus taurus O. gazella O. alexis	76,000 acres
Ice Plant Scale Pulvinariella mesembryanthemi	Hymenoptera wasps Metaphycus spp.	200 acres
Yellow Starthistle Centaurea solsititialis	Coleoptera: Curculionidae Bangasternus orientalis	1 site (5000 acres)
Italian Thistle Carduus Pycnocephalus	Coleoptera: Curculionidae Rhinocyllus conicus	20 sites (200 acres)
Puncture Vine Tribulus terrestris	Coleoptera: Curculionidae Microlarinus spp.	1 site (30 acres)
Alfalfa Weevil Hypera spp.	Hymenoptera wasps Microctonus spp.	400 acres
Hydrilla Hydrilla verticillata	Mechanical	1 site

* Section 2272 of The Food and Agricultural Code requires the Agricultural Commissioner to include a summary of sustainable agricultural in the Annual Report. This initial summary is based on preliminary fiqures.

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

PEST	AGENT/MECHANISM	SCOPE OF PROGRAM
PEST EXCLUSION		
Snail Zachrysic provisiovic	Truck	1 treated & released
Black Headed Ant Tapinoma melanocephalum	Air	1 rejected/ destroyed
Canel Cricket Gryllacricicae spp.		
Moth Tortricidae	Federal Express	1 rejected/ returned to sender
Gypsy Moth	Outdoor Household Article	1 removed life stages of moth & released
Fruit Fly & Other Traps		
Mediterranean Fruit Fly Ceratitis capitata	525 Jackson Traps	
Oriental Fruit Fly Dacus dorsalis	525 Jackson Traps	
Melon Fly Dacus cucurbitae	230 Jackson Traps	
Mexican Fruit Fly Anastrepha ludens	474 McPhail Traps	2100 total properties trapped
Gypsy Moth Lymantria dispar	380 traps	
Japanese Beetle Popillia japonica	270 traps	
Apple Maggot Rhagoletis pomonella	150 traps	

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

ORGANIC FARMING STATISTICS

	CROPS	FARMS	ACRES
1.	Anise, bellpeppers, carrots, cherry tomatoes, chili peppers,cucumbers, gourmet specialty vegetables, green onions, kale, leeks, melons, paprika, parsley, potatoes, pumpkins, snap beans, sweet corn, table beets, tomatillos, various squash, artichokes.	60	4200
2.	Apples, apricots, cherimoya, guava, kiwi, lime, macadamia, mandarin, olives, oranges, peaches, persimmons, plums, grapes.		

DEPARTMENT STAFF

Commissioner/Director

Ronald M. Gilman

Assistant Commissioner/Director

William Gillette

Deputy Director

Elizabeth A. H. Ellsworth

Deputy Commissioners

Joe Karl
Ross A. Pintaudi
David Chang (Acting)

Entomologist

Jerry Davidson

Plant Pathologist

Heather Vallier

Supervising Agricultural Biologists

Curt Sayer
Guy Tingos (Acting)

Executive Secretary

Kathy Freres

Administrative Staff

Mary Lou Howard
Anna Gutierrez
Judi Douglass
Joyce Murray
Veronica Reyes

Weights and Measures Inspectors

Dennis Gibson
Diane Green
Jerry Johnson
Rod Ross

Agricultural Biologists

Margaret Brown
Gary Burns
Mike Champion
Kevin Cheesman
Debbie Cummins
Sam Gottlieb
Harriet Heath
Glenn Janssen
Steve Loyal
Ken Masuda
David Leung
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Mary Ann Rajala
Bill Robb
Mike Roberts
Jeff Saleen
Christine Taylor