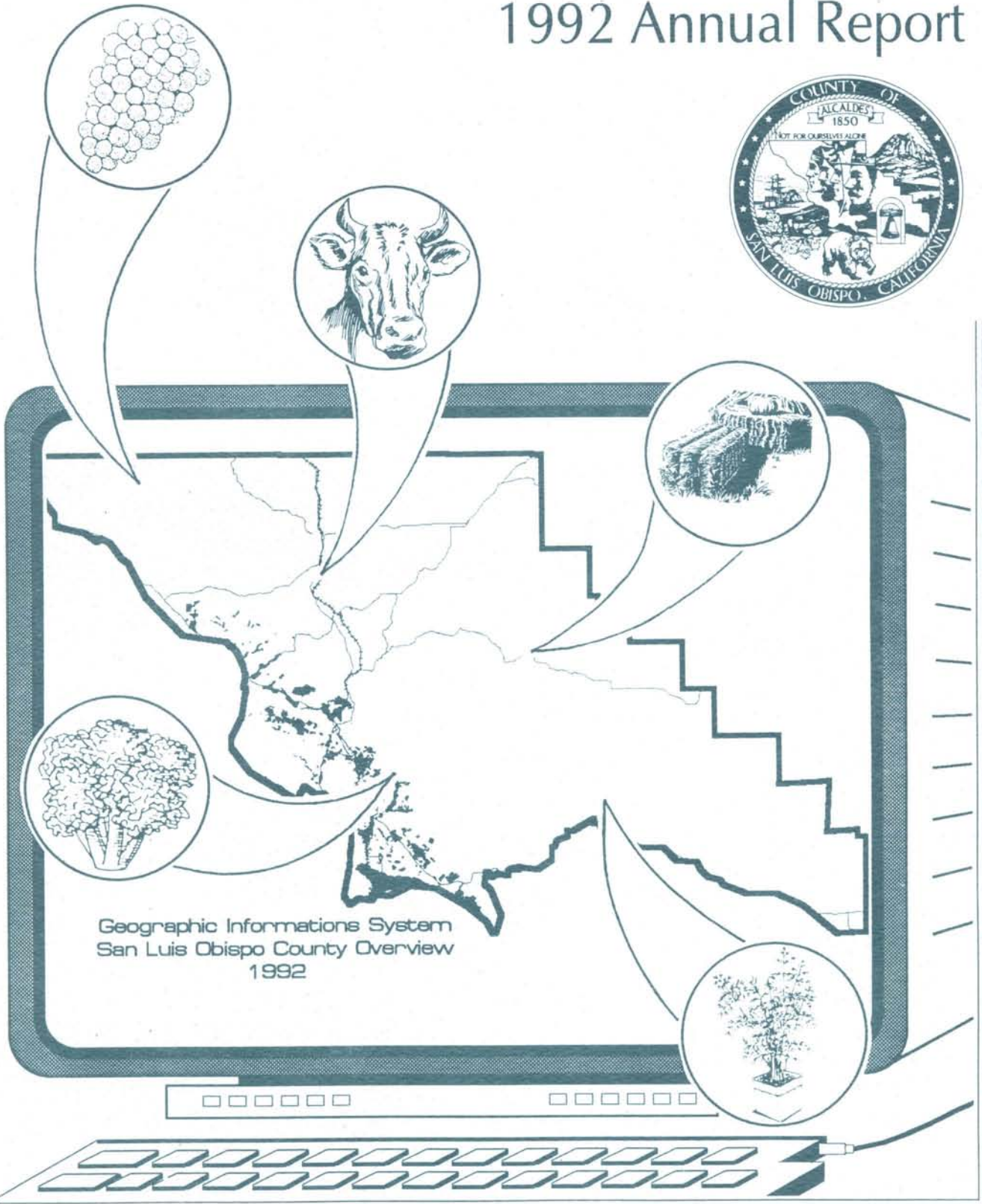


SAN LUIS OBISPO COUNTY

Department of Agriculture Weights and Measures

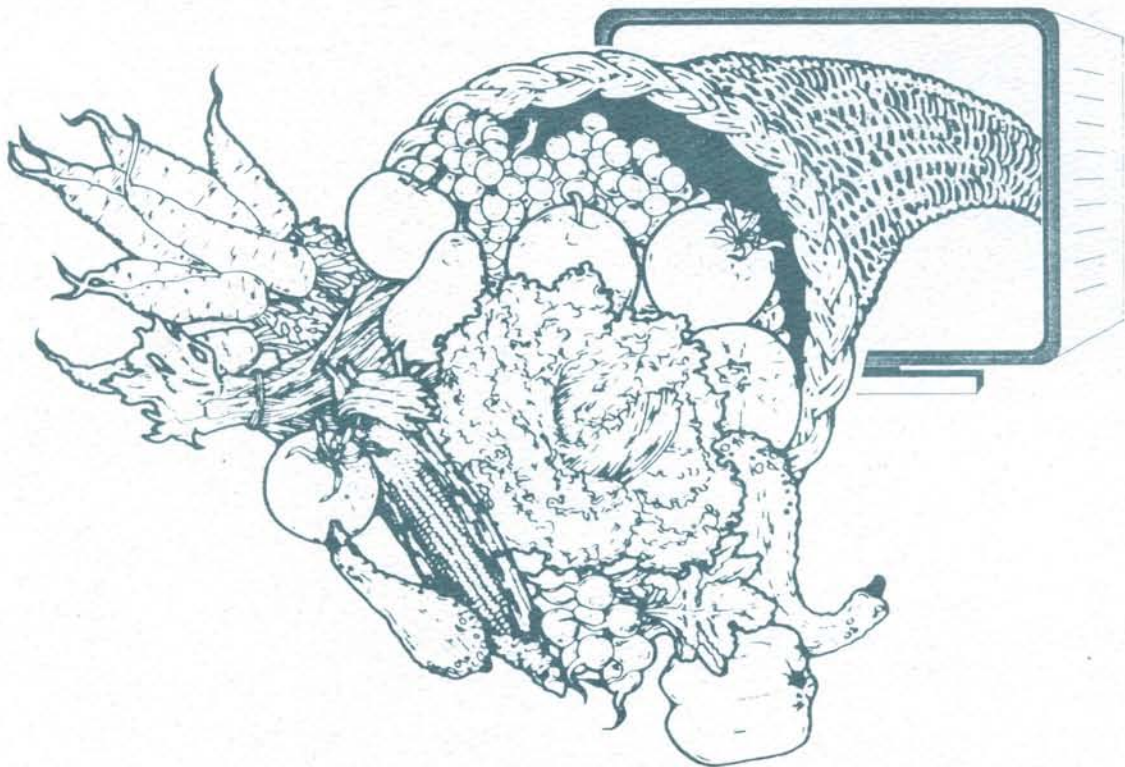
1992 Annual Report



Geographic Informations System
San Luis Obispo County Overview
1992

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Department of Agriculture ♦ Weights and Measures
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1734 Paso Robles Street ♦ Paso Robles, California ♦ 805-237-3090

LETTER FROM THE COMMISSIONER



To: Honorable Board of Supervisors
Mr. Harry Ovitt, Chair District 1
Mr. Laurence L. Laurent, District 2
Ms. Evelyn Delany, District 3
Ms. Ruth Brackett, District 4
Mr. David Blakely, District 5; and

Mr. Robert Hendrix, San Luis Obispo County Administrative Officer
Mr. Henry Voss, Director California Department of Food and Agriculture

We are pleased to submit our 1992 Annual Report for San Luis Obispo County's agricultural industry. Commodities produced in 1992 totaled an estimated \$275,183,000 in *gross receipts*. Although not an all-time high, the total is approximately \$15,000,000 higher than 1991. Significant improvements in weather and overall increased values for vegetable crops were the primary contributors to the upward trend. The report shows the total farmgate value of local agricultural commodities.

These receipts represent approximately \$825,000,000 of agriculturally related economic activity for the San Luis Obispo County area, using a conservative multiplier factor of three. This value of "agribusiness" includes the many businesses and workers supporting agriculturalists in production, processing and wholesale marketing of their products.

In the midst of the ever expanding electronic era, the capability to compile, store and display information becomes critical. This year we highlight an innovative computer technology which can transform everyday data printouts into highly effective management tools. The department is developing two pilot projects using a *Geographic Information System (GIS)*. This system generates spectacular maps capable of quickly displaying a wide range of information. Whether mapping pesticide use adjacent to endangered species habitat or cropland near Diablo Canyon, the ability to relate information to maps is a powerful technology for managing natural resources and addressing complex geographically-based issues.

We extend our appreciation to all sectors of the agricultural community for assisting us in gathering the information, and to the hard-working staff who compiled and finalized the report.

Sincerely,

Richard Greek
Agricultural Commissioner/Sealer



SUSTAINABLE AGRICULTURE SAN LUIS OBISPO COUNTY



The Food and Agricultural Code requires the Agricultural Commissioner to include a summary of sustainable agricultural practices in the Annual Report.

County Biological Control Program

<u>PEST</u>	<u>BIO-CONTROL AGENT</u>	<u>SCOPE OF PROGRAM</u>
Ash White Fly	Parasitic Wasp	Countywide
Elm Leaf Beetle	Parasitic Wasp	3 sites
Western Grapeleaf Skeletonizer	Parasitic Wasp	5 sites
Egyptian Alfalfa Weevil	Parasitic Wasps (2)	1 site
Blue Gum Psyllid	Parasitic Wasp	1 site (monitored)
Eugenia Psyllid	Parasitic Wasp	1 site (monitored)
Puncture Vine	Seedhead & Stem-mining weevils	36 sites
Yellow Star Thistle	Seedhead Weevil	6 sites



Pest Exclusion

<u>PEST/RATING*</u>	<u>HOST/ORIGIN</u>	<u>NUMBER OF INTERCEPTIONS</u>
Mealybug/nymph/Q	Dracaena, Crotons/Costa Rica	2
Snail/Q	Pothos/Guatemala	1
White Fly/Q	Gerbera/Florida	1
Insect Eggs/Q	Dreacaena/Costa Rica	1
Plant Hooper/Q	Orchids/Mexico	1



Pest Detection

<u>DETECTION PEST</u>	<u>NUMBER OF TRAPS</u>	<u>SERVICING</u>
Mediterranean Fruit Fly	300	8,110
Oriental Fruit Fly	110	3,109
Melon Fly	65	1,382
Mexican Fruit Fly	116	4,937
Japanese Beetle	121	1,020
Gypsy Moth	170	1,463



Organic Farming

<u>CROPS</u>	<u>NUMBER OF GROWERS</u>	<u>ACRES</u>
Vegetables (47 kinds)	12	329
Fruit & Nut (30 kinds)	55	2,000

Soil Conservation

U.S.D.A. Conservation Reserve Program



100,601 acres

* Q Rating: An organism requiring temporary enforcement action pending determination of a permanent rating. The organism is suspected to be of economic importance but its status is uncertain because of incomplete identification or inadequate information.



PEST PREVENTION

Pest Prevention protects local agriculture from exotic pests, such as Medfly. We inspect incoming shipments daily at our post offices, shipping companies, airports, and nurseries. In case a destructive pest slips past our safety net of inspection, we have up to 27 insect traps per square mile in our urban areas. These traps and other detection activities allow for the early detection and eradication of exotic pests.

1992 Achievements

- Over 250,000 units were inspected and 16 serious pests intercepted
- Certified 1600 shipments for export
- 22,000 insect trap inspections

1993 Developments

- Increased efficiency of insect trapping
- Computerized export certification program

PRODUCT QUALITY

We enforce quality standards to ensure the highest quality of produce, eggs and honey. There are also high standards for nursery stock and seed products. We certify the 11 local Farmer's Markets for produce being sold directly from the producers to the consumers. We make frequent inspections to guarantee that produce sold is top notch.

1992 Achievements

- Statistically sampled over 5,000,000 cartons of lettuce
- Registered 43 organic growers

1993 Developments

- Public education for Lettuce Root Aphid

LAND USE

Agricultural resource protection is the goal of this multifaceted program. We assist in preventing agricultural/residential conflicts through review of development proposals. We participate in the preparation of the Agriculture Element of the County General Plan and the County's Agricultural Preserve Program. We assist state and local agencies in nuclear power emergency plan and are able to provide vital agricultural land use information in the event of an accident at Diablo Canyon Nuclear Power Plant.

1992 Achievements

- 154 land use projects reviewed
- Completed cropland mapping of coastal areas

1993 Developments

- Develop operating Geographical Information System
- IPZ graded exercise

PEST MANAGEMENT

The Africanized Bee is headed our way and we are informing the public of appropriate precautions. Biocontrols are used to manage insect and weed pest problems, reducing pesticide use. Refined habitat maps are being developed for the protection of endangered species. We have implemented the use of an alternative treatment for ground squirrel control while maintaining protection of non-target species.

1992 Achievements

- 467 acres of road rights-of-way treated for noxious weeds
- Sponsored three endangered species mapping workshops

1993 Developments

- Develop local pest management plan for endangered species
- Public education for Africanized Bee

ENVIRONMENTAL PROTECTION

We protect the public's health and safety with a comprehensive pesticide regulatory program. We do this through enforcement, user education, protection of agricultural workers, samples of pesticide residues and monitoring use. Pesticide use is monitored through a detailed permit process and a tracking system for non-restricted materials. Farmers who store hazardous materials are registered at our office.

1992 Achievements

- Conducted 10,429 compliance checklist inspections
- 98% compliance rate
- Sponsored two grower compliance workshops
- Co-sponsored highly successful chemical roundup

1993 Developments

- Computerized mapping of pesticide use reports
- Field inspection computerization

MEASUREMENT STANDARDS

Fairness is our business. Things that you buy, such as groceries and gasoline are tested for correct weight, measure, count or time. We protect the public from purchasing goods that are "short" weight or measure.

1992 Achievements

- State certification of Vapor Meter test lab
- Implementation of prepacked firewood test procedures

1993 Developments

- Implementation of Vapor Meter test lab
- Field inspection computerization



STAFF

**Agricultural Commissioner/
Sealer of Weights and Measures**
Richard D. Greek

Assistant Agricultural Commissioner
Robert F. Lilley

Chief Deputy Sealer of Weights and Measures
Stephen F. Morrison

Deputy Agricultural Commissioners
Christine E. Crump
Robert Hopkins
Rick Landon
Brenda W. Ouwerkerk

Supervising Administrative Clerk
Judy A. Noble

Administrative Services Staff
John Gorman
Linda Leos
Mikellee Pesenti
Bette Presley
Hilary White
Troy Wolverton

Agricultural Inspector Biologist
Chuck B. Alender
Chris Browning
P. Kim Cairns
Janice Campbell
Alicia Doran
Judy Groat
Rusty Hall
Mary Hertel
Tamara Kleemann
Dennis Knowles
Catherine Krause
Richard Little
Jody Olson
Julie Oxford
Brenda Protopapas
John Schmitz
Robert Stockel
Jennifer Welch-Cosko

Measurement Standards Inspectors
Jan G. Hendrix
Robert Lopez
Lance C. Millspaugh

Agricultural Measurement Standards Aids
Marlene Bartsch
Christine Linne
Roxy McIntosh
Janine Newby
Gail Perez

Current Temporary Employees
Ted Ortega
Craig Rossier
Gisele Schoniger

Interns
Susan Howell
MaryKate Morabito
Annette Osuna

Fiscal Year Contributions 1991-1992
Chris Chaney
Lynn Cullen
Beverly Gingg
Lee Anne Gordon
Jodi Kinzler
Erin McCoy
Peggy McKie
Paul Tubbs

Public Information Officer
Kathleen Wolff

FINANCIAL REPORT

Fiscal Year 91/92



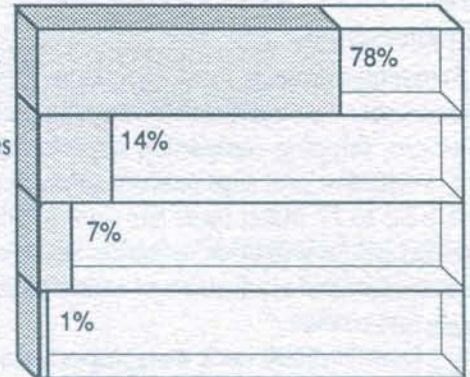
EXPENDITURES

Salaries & Benefits
\$1,739,407

Services & Supplies
\$307,203

Overhead
\$162,476

Equipment
\$35,079



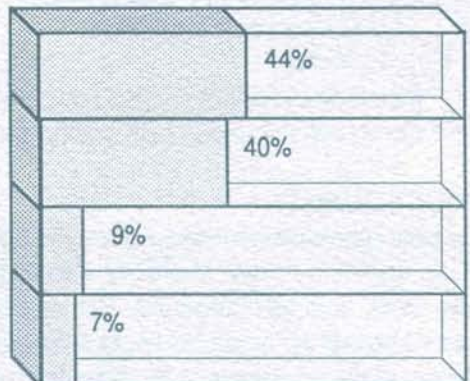
REVENUE

General Funds
\$977,507

State Funds
\$919,017

Collected Fees
\$185,166

Overhead
\$162,476



AGRICULTURAL RESOURCES Total Funding: \$201,036	State Funds	32%
	County Funds	63%
	Collected Fees	5%
MEASUREMENT STANDARDS Total Funding: \$311,195	State Funds	2%
	County Funds	89%
	Collected Fees	9%
ENVIRONMENTAL PROTECTION Total Funding: \$802,434	State Funds	59%
	County Funds	37%
	Collected Fees	4%
PEST MANAGEMENT Total Funding: \$269,835	State Funds	25%
	County Funds	64%
	Collected Fees	11%
PRODUCT QUALITY Total Funding: \$159,608	State Funds	28%
	County Funds	22%
	Collected Fees	50%
PEST PREVENTION Total Funding: \$500,058	State Funds	51%
	County Funds	46%
	Collected Fees	3%

VEGETABLE CROPS



Vegetables crops increased nearly 11 million dollars in value compared to 1991, with Broccoli leading the way. Harvested acreage remained constant, though yields were mixed. With some exceptions, prices were generally up in 1992.

Crop	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Beans (Green)	1992	295	464	136,880	30#	\$8.51	\$1,165,000
	1991	771	288	222,048	30#	6.89	1,530,000
Bell Peppers	1992	955	801	764,555	30#	7.05	5,390,000
	1991	1,000	836	836,000	30#	5.87	4,907,000
Broccoli (Fresh)	1992	8,894	661	5,878,934	23#	5.22	30,688,000
	1991	6,197	644	3,990,868	23#	5.19	20,713,000
Broccoli (Freezer)	1992	1,058	7	7,406	Ton	383.18	2,838,000
	1991	753	6	4,518	Ton	383.00	1,730,000
Brussels Sprouts	1992	52	699	36,348	25#	8.30	302,000
	1991 ^A						
Cabbage	1992	1,457	616	897,512	45#	4.40	3,949,000
	1991	1,340	780	1,045,200	45#	4.77	4,986,000
Carrots	1992	3,531	977	3,449,787	50#	3.46	11,936,000
	1991	4,244	720	3,055,680	50#	4.16	12,712,000
Cauliflower	1992	2,358	637	1,502,046	25#	5.68	8,532,000
	1991	2,202	615	1,354,230	25#	5.52	7,475,000
Celery	1992	981	1,307	1,282,167	60#	6.09	7,808,000
	1991	1,313	1,139	1,495,507	60#	4.89	7,313,000
Oriental Vegetables	1992	1,120	768	860,160	80#	7.62	6,554,000
	1991	1,399	900	1,259,100	80#	6.88	8,663,000
Lettuce (Head)	1992	7,774	686	5,332,964	50#	5.68	30,291,000
	1991	8,374	651	5,451,474	50#	6.13	33,418,000
Lettuce (Leaf)	1992	1,677	832	1,395,264	50#	5.56	7,758,000
	1991	1,738	902	1,567,676	50#	3.32	5,205,000
Peas (Edible pod)	1992	1,650	637	1,051,050	10#	10.96	11,520,000
	1991	2,200	512	1,126,400	10#	7.52	8,471,000
Squash	1992	276	475	131,100	30#	5.35	701,000
	1991	274	687	188,238	30#	3.92	738,000
Tomato	1992	113	1,546	174,698	20#	9.04	1,579,000
	1991 ^A						
Miscellaneous [◆]	1992	1,200					6,800,000
	1991	1,400					7,706,000
TOTAL VEGETABLE CROPS	1992	33,278					\$136,232,000
	1991	33,205					\$125,567,000

◆ Anise, Artichokes, Cilantro, Chili Peppers, Cucumber, Endive, Escarole, Garlic, Kale, Mushrooms, Onions, Parsley, Pumpkins, Radishes, Sweet Corn, Tomatillos, Watermelon
 A Included in 1991 Miscellaneous Vegetable Crops



FRUIT & NUT CROPS



Acreage and value increased to near record levels due to the increased production of strawberries and apples. Avocados continued to suffer from the 1990 freeze. Citrus crops dipped in value due to a big drop in price. Wine grapes, the leading crop in value, was essentially unchanged from 1991.

Crop	Year	Bearing Acreage	Production		Unit	Value		
			Per Acre	Total		Per Unit	Total	
Almonds	1992	2,400	0.032	77	Ton	\$3,752.00	\$288,000	
	1991	2,799	0.004	11	Ton	3,910.00	44,000	
Apples	1992 ^B	744	10.634	8,231	Ton	637.00	5,243,000	
	1991	565	8.770	4,955	Ton	457.00	2,264,000	
Avocados	1992	1,165	0.600	699	Ton	1,544.00	1,079,000	
	1991	1,165	1.160	1,351	Ton	1,610.00	2,176,000	
Bushberries	1992	48	4.900	235	Ton	3,590.00	844,000	
	1991	50	4.680	234	Ton	3,520.00	824,000	
Grapes (Wine)	White	1992	3,893	4.880	18,998	Ton	996.00	18,922,000
		1992	4,434	5.130	22,746	Ton	670.00	15,240,000
	Red	1991	8,100	5.320	43,092	Ton	793.00	34,172,000
		1992	8,327		41,744	Ton		34,162,000
Kiwi Fruit	1992 ^A							
	1991	60	0.720	43	Ton	718.00	31,000	
Lemons	1992	882	14.330	12,639	Ton	142.00	1,795,000	
	1991	882	14.900	13,142	Ton	342.00	4,494,000	
Pistachios	1992	87	0.581	51	Ton	2,484.00	126,000	
	1991	64	0.700	45	Ton	3,470.00	155,000	
Strawberries	1992	805	17.430	14,031	Ton	715.00	10,032,000	
	1991	518	18.800	9,738	Ton	728.00	7,090,000	
Valencia Oranges	1992	182	12.337	2,245	Ton	123.00	276,000	
	1991	150	11.190	1,679	Ton	463.00	777,000	
English Walnuts	1992 ^B	2,890	0.340	983	Ton	1,160.00	1,140,000	
	1991	2,770	0.380	1,053	Ton	1,040.00	1,095,000	
Miscellaneous [◆]	1992	441					1,323,000	
	1991	406					1,624,000	
TOTAL FRUIT & NUT CROPS	1992	18,001					\$56,308,000	
	1991	17,529					\$54,746,000	

- ◆ Apricot, Black Walnut, Cherry, Feijoa, Fig, Grapefruit, Kiwi, Lime, Navel Orange, Peach, Pear, Persimmon, Pomegranate, Plum, Table Grape, Starfruit, Pepino, Raisin Grape, Tangelo
- A Included in 1992 Miscellaneous Fruit & Nut Crops.
- B Does not meet California Agricultural Statistics Service requirements for bearing acres.



Geographic Information Systems - Pulling for our Future

FIELD CROPS



Field crop values increased modestly overall due to increased rainfall during 1992. Overall harvested acreage trended down with the exception of safflower, which increased substantially. Generally, prices remained depressed.

Crop	Year	Acreage		Production		Unit	Value	
		Planted ^C	Harvested	Per Acre	Total		Per Unit	Total
Alfalfa Hay	1992		3,850	5.30	20,405	Ton	\$100.00	\$2,041,000
	1991		3,480	5.50	19,140	Ton	100.00	1,914,000
Barley	1992	32,000	30,000	1.13	33,900	Ton	102.00	3,458,000
	1991		28,000	0.80	22,400	Ton	100.00	2,240,000
Carbanzo Beans	1992	1,100	1,070	8.90	9,523	Cwt	39.00	371,000
	1991 ^A							
Grain Hay ^D	1992	25,000	24,000	2.50	60,000	Ton	64.00	3,840,000
	1991		30,000	1.90	57,000	Ton	78.00	4,446,000
Grain Stubble (Grazed)	1992		75,000			Acre	3.00	225,000
	1991		90,000			Acre	3.75	338,000
Irrigated Pasture	1992		5,600			Acre	300.00	1,680,000
	1991		5,600			Acre	350.00	1,960,000
Rangeland, Dryland (Grazed)	1992		1,000,000			Acre	5.50	5,500,000
	1991		1,040,000			Acre	5.00	5,200,000
Safflower	1992	6,740	6,140	0.33	2,026	Ton	300.00	608,000
	1991		1,600	0.40	640	Ton	207.00	132,000
Wheat	1992	6,044	6,044	0.92	5,560	Ton	110.00	612,000
	1991		3,865	0.65	2,512	Ton	90.00	226,000
Miscellaneous [◆]	1992		800					240,000
	1991		1,600					533,000
TOTAL FIELD CROPS	1992		1,152,504					\$18,575,000
	1991		1,204,145					\$16,989,000

[◆] Silage Corn, Dry Beans, Sudangrass
^A Included in 1991 Miscellaneous Field Crops
^C New Category
^D Includes Winter Forage

SEED CROPS



Seed crops continued the downward trend of recent years. Increases in barley acreage were offset by decreases in oat seed.

Crop	Year	Planted Acreage	Harvested Acreage	Value
Barley	1992	902	902	\$84,000
	1991		605	58,000
Oats	1992	598	573	184,000
	1991		885	241,000
Miscellaneous [◆]	1992	530	530	251,000
	1991		360	246,000
TOTAL SEED CROP	1992		2,005	\$519,000
	1991		1,850	\$545,000

[◆] Vegetable, dry bean, flower, safflower

ANIMAL INDUSTRY

Overall animal industry changed very little compared to 1991. Although grazing conditions were much improved, previous reductions in the size of herds dampened gains in the beef industry. Except for a sharp increase for lamb, prices remain approximately the same as in 1991.



Commodity	Year	Number of Head	Production	Unit	Value	
					Per Unit	Total
Cattle and Calves	1992	50,000	287,500	Cwt	\$ 84.00	\$24,150,000
	1991	56,000	280,000	Cwt	85.00	23,800,000
Hogs	1992	4,845	8,866	Cwt	57.00	505,000
	1991	4,019	8,277	Cwt	59.80	495,000
Honey	1992		108,932	Lbs	0.52	57,000
	1991		221,000	Lbs	0.50	111,000
Market Milk	1992		61,138	Cwt	11.66	713,000
	1991		80,984	Cwt	11.19	906,000
Sheep and Lambs	1992	7,086	7,515	Cwt	71.00	534,000
	1991	7,141	7,654	Cwt	45.80	351,000
Wool	1992		49,752	Lbs	0.45	22,000
	1991		102,000	Lbs	0.75	77,000
Miscellaneous ♦	1992					338,000
	1991					700,000
TOTAL ANIMAL INDUSTRY	1992					\$26,319,000
	1991					\$26,440,000

♦ Eggs, Poultry, Goats, Game Birds, Aquaculture, Bees Wax, Pollination

NURSERY STOCK

The nursery industry set a new record, increasing by approximately two million dollars. Ornamental and bedding plants posted the largest increase, nearly doubling in value.



Crop	Year	Harvested Acreage	Greenhouse Prod'n (sq ft)	Value
Cut Flowers (Field)	1992	428		\$8,162,000
	1991	114		6,023,000
Cut Flowers (Greenhouse)	1992		1,398,185	4,842,000
	1991		2,048,000	8,197,000
Ornamentals and Bedding	1992	16.5	665,250	4,787,000
	1991	41	120,000	2,442,000
Fruit & Nut Trees	1992	35		1,522,000
	1991	28		1,405,000
Vegetable Transplants	1992	150 ^E		9,114,000
	1991	98		8,750,000
Indoor Decoratives	1992		842,700	6,829,000
	1991		864,000	7,884,000
Christmas Trees, Cut	1992	75		214,000
	1991	92		224,000
Miscellaneous ♦	1992	42	50,000	1,760,000
	1991	5	75,000	600,000
TOTAL NURSERY STOCK	1992	747	2,956,135	\$37,230,000
	1991	378	3,107,000	\$35,525,000

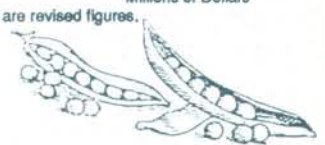
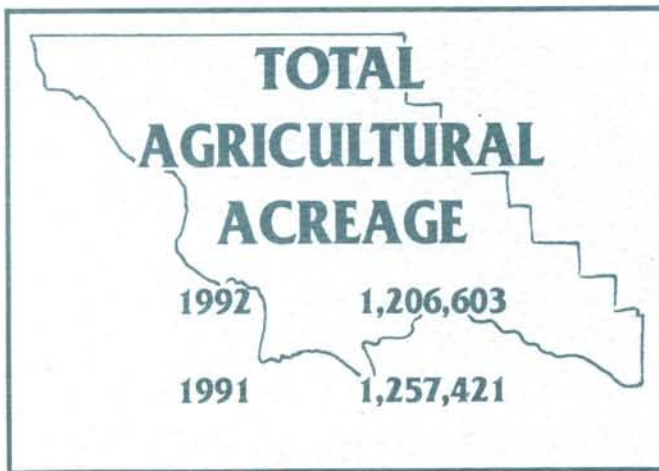
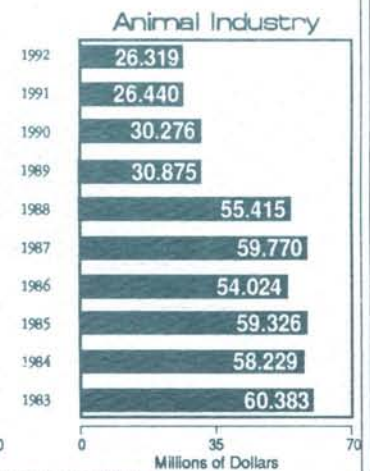
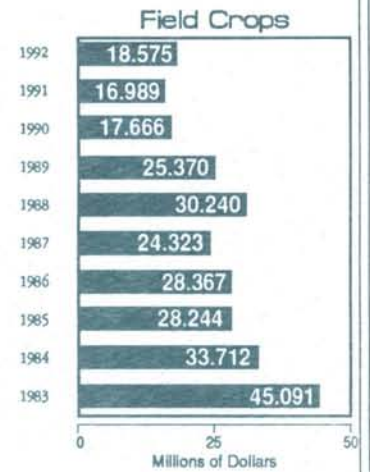
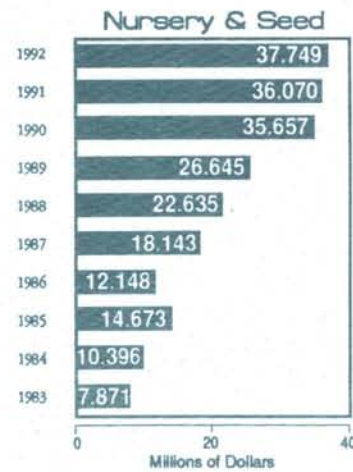
♦ Herbs, Specialty Plants, Cacti, Succulents

^E Includes Greenhouse Production

1992 TOP 20 CROP & COMMODITY VALUES

1.	WINE GRAPES	\$34,162,000
2.	BROCCOLI (ALL)	\$33,526,000
3.	HEAD LETTUCE	\$30,291,000
4.	CATTLE AND CALVES	\$24,150,000
5.	CARROTS	\$11,936,000
6.	PEAS, EDIBLE POD	\$11,520,000
7.	STRAWBERRIES	\$10,032,000
8.	VEGETABLE TRANSPLANTS	\$9,114,000
9.	CAULIFLOWER	\$8,532,000
10.	CUT FLOWERS, FIELD	\$8,162,000
11.	CELERY	\$7,808,000
12.	LEAF LETTUCE	\$7,758,000
13.	INDOOR DECORATIVE PLANTS	\$6,829,000
14.	ORIENTAL VEGETABLES	\$6,554,000
15.	RANGELAND, DRYLAND	\$5,500,000
16.	BELL PEPPERS	\$5,390,000
17.	APPLES	\$5,243,000
18.	CUT FLOWERS, GREENHOUSE	\$4,842,000
19.	ORNAMENTAL & BEDDING PLANTS	\$4,787,000
20.	CABBAGE	\$3,949,000

10 YEAR COMPARISON



All 1990 figures are revised figures.

**Department of Agriculture
Weights and Measures**

2156 Sierra Way, Suite A
San Luis Obispo, California 93401



Project Coordinator: Robert Hopkins, Deputy Agricultural Commissioner, San Luis Obispo County

Contract Coordinator: Terry Conner, T & S Enterprises

Printing: Rick Lonsway, Sir Speedy Printing

Design & Layout: Billie Fedderson, Sir Speedy Printing

Recycled



Recyclable