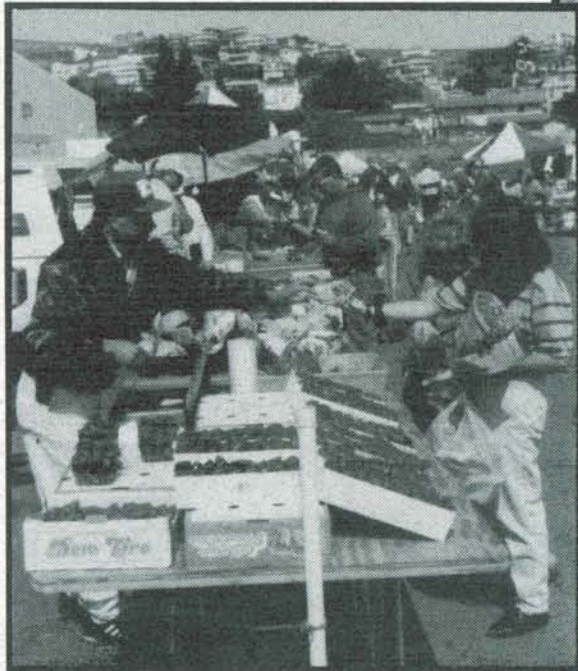
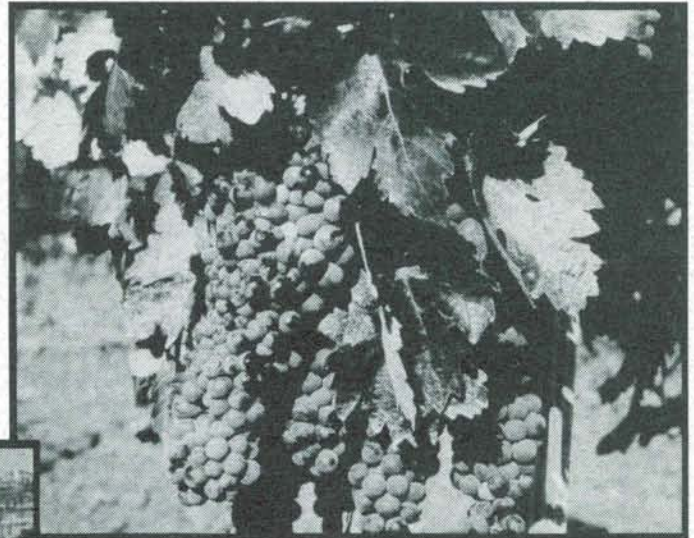


SAN LUIS OBISPO COUNTY

Department of Agriculture Weights and Measures

1993 Annual Report



*Agricultural
Tourism*

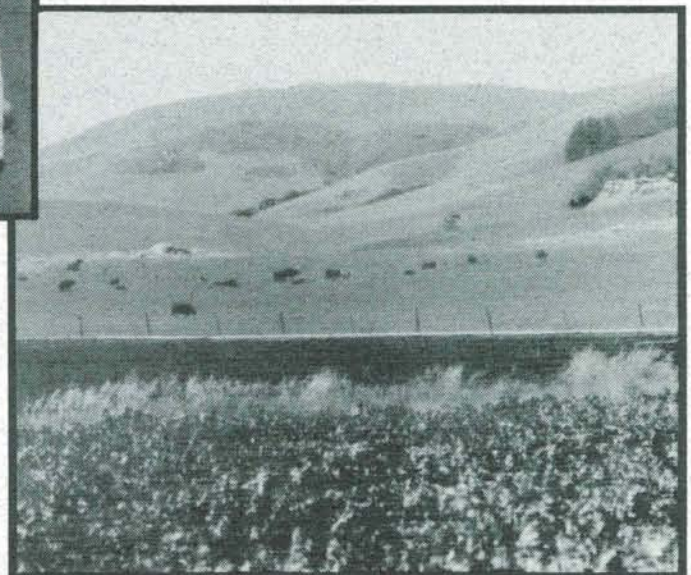


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San Luis Obispo County is known as an important wine grape region of California. There are four regions within the county; Paso Robles, York Mountain, Edna Valley and Arroyo Grande Valley.

According to a U.C. Santa Barbara study, San Luis Obispo County generated 97 million dollars in sales of wine, wine grapes and tasting room sales in 1992.

(Source; San Luis Obispo County Visitors & Conference Bureau February 1994 Report.



There are at least 24 u-pick or similar on-the-farm outlets scattered throughout the county. Geared more towards seasonal production, these direct marketing growers offer a plethora of fresh vegetables, fruit and nut crops, animal products and horticultural crops.

San Luis Obispo County shoppers enjoy fourteen weekly Farmers Markets with over 400 member growers providing an abundance of fresh farm products. The success of these markets continues to grow generating retail sales estimated in excess of \$2,500,000 in 1993.

Department of Agriculture ❖ Weights and Measures

2156 Sierra Way, Suite A ❖ San Luis Obispo, California 93401 ❖ 805-781-5910

530 Traffic Way ❖ Arroyo Grande, California 93420 ❖ 805-473-7090

1734 Paso Robles Street ❖ Paso Robles, California ❖ 805-237-3090

LETTER FROM THE COMMISSIONER

To: Honorable Board of Supervisors

Mr. Harry Ovitt, District 1

Mr. Laurence L. Laurent, District 2

Ms. Evelyn Delany, Chair 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, Secretary California Department of Food and Agriculture,

We are pleased to publish our 1993 Crop Report for San Luis Obispo County. Agricultural commodities are estimated at \$293,487,000 in gross receipts, an all time record. All sectors of the local agricultural industry showed increases with strong gains in the animal industries, fruit and nut crops and nursery products. These figures portray the total farmgate value of the local industry and do not reflect the net income of agricultural operations.

When considering the multiplier affect of these receipts, the value of agribusiness related economy is estimated at nearly 900 million dollars for the San Luis Obispo County area. Businesses involved in the financing, production, processing and marketing of agricultural products, as well as the agricultural employment sector, make up this important portion of the local economy.

San Luis Obispo County is well known for its substantial tourist industry. This year we highlight the agriculturally related sector of local tourism. The county possesses four renowned wine grape regions with 35 wineries and wine tasting outlets. There are fourteen Farmers Markets throughout the county and dozens of u-pick and direct farmer to consumer outlets. The strawberry and harvest festivals and several wine festivals attract tens of thousands of people each year. These and many other agricultural related tourism events, along with the picturesque beauty of agricultural lands, contribute substantially to San Luis Obispo County's tourism economy.

We extend our gratitude to all sectors of the agricultural community for their cooperation in providing production and value information. Also a special thanks to the many people who provided support and photos for this year's report.



Sincerely,

Richard Greek

Agricultural Commissioner/Sealer

SUSTAINABLE AGRICULTURE SAN LUIS OBISPO COUNTY

The food and Agricultural Code encourages 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 Starthistle	Seedhead Weevil	13 sites



Pest Exclusion

<u>PEST/RATING*</u>	<u>HOST/ORIGIN</u>	<u>NUMBER OF INTERCEPTIONS</u>
Mealybug/Q	Orchids/Crotons/Hawaii/Costa Rica	2
Spittle bug/Q	Pennisium Orientalis/Florida	2
Aphid/Q	Dieffenbachia/Sword Plant/Hawaii/Florida	2
Leaf Hopper/Q	Ti Grura/Populus fremontii/Hawaii/California	2
Plant Hopper/Q	Orchids/Mexico	1
Tent Caterpillar/Q	Household Items	1



Organic Farming

<u>CROPS</u>	<u>NUMBER OF GROWERS</u>	<u>ACRES</u>
Vegetable (47 kinds)	12	219
Fruit & Nut (30 kinds)	56	2,218



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.

WHAT WE DO

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 inspection safety net, 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.

1993 Achievements

- Over 350,000 units were inspected and 22 serious pests intercepted
- Certified 1600 shipments for export
- 8 sterile Medfly trapped

1994 Developments

- Continued budget reduction for 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 14 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.

1993 Achievements

- Statistically sampled over 5,000,000 cartons of lettuce
- Certified 273 producers for direct marketing

1994 Developments

- U.S.D.A. residue sampling contract

AGRICULTURAL RESOURCES

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 the state and local agencies in the 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.

1993 Achievements

- 154 land use projects reviewed
- Successful Nuclear Power Plant drill

1994 Developments

- Expand Geographical Information System

PEST MANAGEMENT

The Africanized Bee continues to have top priority with excellent media coverage of our out reach program. Efforts are focused on children and emergency responder's education. Biocontrol agents improve the management of insect and weed pest problems. Endangered species habitat maps are refined with input from the agricultural community.

1993 Achievements

- Formation Africanized Honey Bee Task Force
- 55 public presentations of the Africanized Bee Safety Program

1994 Developments

- Integration of the Biological Control and Weed Management Programs
- 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.

1993 Achievements

- Conducted 13,275 compliance checklist inspections
- Ninety-eight percent compliance rate
- Sponsored six grower compliance workshops

1994 Developments

- Computerized mapping of pesticide use reports
- Dept. of Pesticide Regulations residue contract

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.

1993 Achievements

- Vapor Meter test lab fully operational
- Developed large weight transport safety system

1994 Developments

- Field inspection form computerization
- Program duplication of work evaluation

STAFF

FINANCIAL REPORT

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

Robert Hopkins

Rick Landon

Brenda W. Ouwkerk

Christine E. Turner

Public Information Officer

Kathleen Wolff

Supervising Administrative Clerk

Judy A. Noble

Administrative Services Staff

John Gorman

Annie Salvador

Linda Leos

Hilary Bryant

Bette Presley

Troy Wolverton

Agricultural Inspector Biologists

Chuck B. Alender

Dennis Knowles

Chris Browning

Catherine Krause

P. Kim Cairns

Richard Little

Janice Campbell

Jody Olson

Dale Donaghe

Julie Oxford

Alicia Doran

Brenda Protopapas

Judy Groat

John Schmitz

Rusty Hall

Robert Stockel

Mary Hertel

Jennifer Welch-Cosko

Tamara Kleemann

Measurement Standards Inspectors

Jan G. Hendrix

Lance C. Millspaugh

Robert Lopez

Agricultural Measurement Standards Aides

Marlene Bartsch

Janine Newby

Christine Linne

Gail Perez

Roxy McIntosh

Current Temporary Employees

Craig Rossier

Gisele Schoniger

1993 Interns

Mary Kate Morabito

Annette Osuna

Calendar Year Contributions 1993

Lynn Cullen

Jodi Kinzler

Ted Ortega

Fiscal Year
1992 - 1993

EXPENDITURES

Salaries & Benefits

\$1,717,796

Services & Supplies

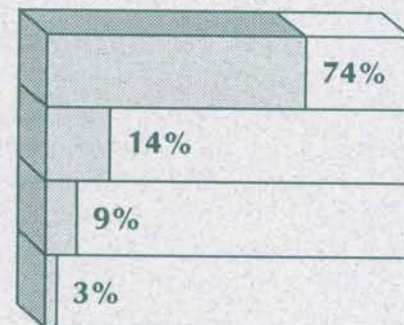
\$316,316

Overhead

\$210,340

Equipment

\$60,295



REVENUE

General Funds

\$960,969

State Funds

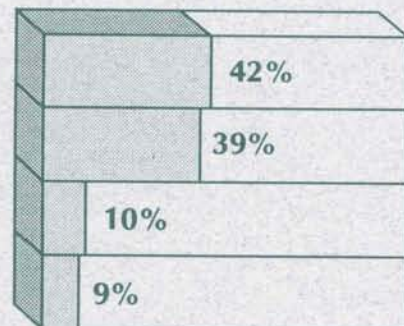
\$901,413

Collected Fees

\$232,025

Overhead

\$210,340



AGRICULTURAL RESOURCES Total Funding: \$232,553	State Funds	29%
	County Funds	68%
	Collected Fees	3%
MEASUREMENT STANDARDS Total Funding: \$240,480	State Funds	5%
	County Funds	79%
	Collected Fees	16%
ENVIRONMENTAL PROTECTION Total Funding \$911,202	State Funds	52%
	County Funds	44%
	Collected Fees	4%
PEST MANAGEMENT Total Funding \$250,831	State Funds	21%
	County Funds	56%
	Collected Fees	23%
PRODUCT QUALITY Total Funding \$159,141	State Funds	26%
	County Funds	30%
	Collected Fees	44%
PEST PREVENTION Total Funding \$510,540	State Funds	50%
	County Funds	46%
	Collected Fees	3%

VEGETABLE CROPS



The overall value and acreage of vegetable crops changed very little from 1992. Prices were generally lower compared to 1992, although iceberg lettuce and sugar peas showed sharp gains in overall value.

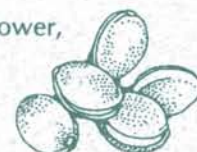
CROP	YEAR	HARVESTED ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Beans (Green)	1993	310	415	128,650	30#	\$ 7.27	\$ 935,000
	1992	295	464	136,880	30#	\$ 8.51	\$ 1,165,000
Bell Peppers.....	1993	1,123	754	846,742	30#	7.24	6,130,000
	1992	955	801	764,555	30#	7.05	5,390,000
Broccoli	1993	8,450	713	6,024,850	23#	4.69	28,257,000
	(Fresh) 1992	8,894	661	5,878,934	23#	5.22	30,688,000
Broccoli	1993	1,114	6	6,684	Ton	340.00	2,273,000
	(Freezer) 1992	1,058	7	7,406	Ton	383.18	2,838,000
Brussel Sprouts.....	1993*						
	1992	52	699	36,348	25#	8.30	302,000
Cabbage	1993	807	981	791,667	45#	4.69	3,713,000
	1992	1,457	616	897,512	45#	4.40	3,949,000
Carrots	1993	2,447	26	63,622	Ton	106.00	6,744,000
	1992 **	3,531	24	86,156	Ton	138.00	11,890,000
Cauliflower	1993	1,500	622	933,000	25#	5.41	5,048,000
	1992 **	2,078	637	1,323,686	25#	5.68	7,519,000
Celery	1993	1,261	1129	1,423,669	60#	6.63	9,439,000
	1992	981	1307	1,282,167	60#	6.09	7,808,000
Oriental	1993	1,421	826	1,173,746	80#	6.29	7,383,000
	Vegetables 1992	1,120	768	860,160	80#	7.62	6,554,000
Lettuce.....	1993	7,722	699	5,397,678	50#	6.06	32,710,000
	Head 1992 **	7,664	686	5,257,504	50#	5.68	29,863,000
Lettuce.....	1993	1,530	841	1,286,730	50#	5.24	6,742,000
	Leaf 1992	1,677	832	1,395,264	50#	5.56	7,758,000
Peas	1993	2,900	560	1,624,000	10#	10.88	17,669,000
	Edible Pod 1992	1,650	637	1,051,050	10#	10.96	11,520,000
Squash	1993	479	454	217,466	30#	5.03	1,094,000
	1992	276	475	131,100	30#	5.35	701,000
Tomato	1993	120	1765	212,241	20#	7.91	1,679,000
	1992	113	1546	174,698	20#	9.04	1,579,000
*Miscellaneous	1993	1,400					7,500,000
	1992	1,200					6,800,000
Total Vegetable Crops	1993	32,584					\$ 137,316,000
	1992 **	33,001					\$ 136,324,000

* Anise, Artichokes, Baby Vegetables, Brussel Sprouts, Cilantro, Chili Peppers, Cucumber, Endive, Escarole, Garlic, Kale, Mushrooms, Onions, Parsley, Potatoes, Pumpkins, Radishes, Spinach, Sweet Corn, Tomatillos, Watermelon

** Revised

FRUIT & NUT CROPS

Overall acreage and value figures set a new record in 1993. Although prices were generally lower, wine grapes increased slightly due to additional bearing acreage and higher yields. With generally favorable growing conditions, citrus crop and avocado yields rebounded in 1993.



CROP	YEAR	BEARING ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Almonds	1993	2,400	0.015	36	Ton	\$ 4,580.00	\$ 165,000
	1992	2,400	0.032	77	Ton	\$ 3,752.00	\$ 288,000
Apples	1993 >C	1,206	8.184	9,870	Ton	440.00	4,343,000
	1992 >C	774	10.634	8,231	Ton	637.00	5,243,000
Avocados.....	1993	1,135	3.320	3,768	Ton	1,145.00	4,315,000
	1992	1,165	0.600	699	Ton	1,544.00	1,079,000
Bushberries	1993	34	6.571	223	Ton	3,229.00	721,000
	1992	48	4.900	235	Ton	3,590.00	844,000
Wine Grapes (All)	1993	8,676		47,351			34,250,000
Chardonnay	1993	2,664	4.420	11,775	Ton	1,040.00	12,246,000
Sauvignon Blanc.....	1993	614	7.130	4,378	Ton	554.00	2,425,000
Cabernet Sauvignon.	1993	2,013	5.080	10,226	Ton	738.00	7,547,000
Zinfandel	1993	1,010	7.070	7,141	Ton	484.00	3,456,000
All Other.....	1993	2,375	5.824	13,832	Ton	620.00	8,576,000
Grapes (All).....	1992	8,327		41,744	Ton		34,162,000
Lemons	1993	1,035	21.156	21,896	Ton	178.00	3,898,000
	1992 **	1,035	14.330	14,832	Ton	142.00	2,106,000
Pistachios.....	1993	90	0.411	37	Ton	3,000.00	111,000
	1992	87	0.581	51	Ton	2,484.00	126,000
Strawberries	1993	700	15.100	10,570	Ton	713.00	7,536,000
	1992	805	17.430	14,031	Ton	715.00	10,032,000
Valencia	1993	257	9.760	2,508	Ton	267.00	670,000
Oranges	1992	182	12.337	2,245	Ton	123.00	276,000
English	1993 >C	2,890	0.461	1,332	Ton	1,320.00	1,759,000
Walnuts	1992 >C	2,890	0.340	983	Ton	1,160.00	1,140,000
*Miscellaneous	1993	730					2,476,000
	1992	441					1,323,000
Total Fruit &	1993	19,153					\$ 60,244,000
Nut Crops	1992	18,154					\$ 56,619,000



* Apricot, Black Walnut, Cherry, Feijoa, Fig, Grapefruit, Kiwi, Lime, Navel Orange, Peach, Pear, Persimmon, Pomegranate, Plum, Table Grape, Starfruit, Pepino, Raisin Grape, Tangelo
 >C Does not meet California Agricultural Statistics requirements for bearing acres.
 ** Revised

FIELD CROPS

For the second consecutive year field crop values increased moderately compared to 1992. Generally prices for grain crops remained depressed while the prices for hay, forage and grazing lands posted strong gains.



CROP	YEAR	ACREAGE		PRODUCTION		UNIT	VALUE	
		PLANTED	HARVESTED	PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa Hay.....	1993		3,700	6.60	24,420	Ton	\$ 115.00	\$ 2,808,000
	1992		3,850	5.30	20,405	Ton	\$ 100.00	\$ 2,041,000
Barley	1993	34,000	33,200	1.12	37,184	Ton	105.00	3,904,000
	1992	32,000	30,000	1.13	33,900	Ton	102.00	3,458,000
Garbanzo Beans	1993	1,175	1,125	14.00	15,750	Cwt	29.00	457,000
	1992	1,100	1,070	8.90	9,523	Cwt	39.00	371,000
++Grain Hay	1993	18,500	18,500	2.20	40,700	Ton	82.00	3,337,000
	1992	25,000	24,000	2.50	60,000	Ton	64.00	3,840,000
Grain Stubble..... (Grazed)	1993		72,000			Acre	4.00	288,000
	1992		75,000			Acre	3.00	225,000
Irrigated Pasture	1993		5,500			Acre	325.00	1,788,000
	1992		5,600			Acre	300.00	1,680,000
Rangeland, Grazed ...	1993		1,025,000			Acre	6.00	6,150,000
	1992		1,000,000			Acre	5.50	5,500,000
Safflower.....	1993	6,500	6,400	0.38	2,432	Ton	275.00	669,000
	1992	6,740	6,140	0.33	2,026	Ton	300.00	608,000
Wheat.....	1993	10,600	10,465	1.00	10,465	Ton	97.00	1,015,000
	1992	6,044	6,044	0.92	5,560	Ton	110.00	612,000
*Miscellaneous	1993		1,500					250,000
	1992		800					240,000
Total Field Crops	1993		1,177,390					\$ 20,666,000
	1992		1,152,504					\$ 18,575,000



* Silage Corn, Dry Beans, Sudangrass, Straw

++ Includes winter forage



SEED CROPS

CROP	YEAR	ACREAGE		VALUE TOTAL
		PLANTED	HARVESTED	
Barley	1993	950	940	122,000
	1992	902	902	84,000
Oats.....	1993	395	380	95,000
	1992	598	573	184,000
Vegetable.....	1993	46	46	185,000
	1992*			
*Miscellaneous	1993	200	200	80,000
	1992	530	530	251,000
Total Seed Crop	1993		1,566	482,000
	1992		2,005	519,000



Although overall lower in 1993, seed crops acreage did not substantially change. Vegetable crops increased in 1993.

* Vegetable, dry bean, flower, safflower, vetch, wheat

ANIMAL INDUSTRY



With improved rangeland conditions and increased prices, cattle and calves lead the way to a sharp increase in the value of the local animal industry.

Commodity	YEAR	NUMBER OF HEAD	PRODUCTION	UNIT	VALUE	
					PER UNIT	TOTAL
Cattle and	1993	55,000	335,500	Cwt	\$ 88.00	\$ 29,524,000
Calves	1992	50,000	287,500	Cwt	\$ 84.00	\$ 24,150,000
Hogs.....	1993	3,860	8,903	Cwt	59.00	525,000
	1992	4,845	8,866	Cwt	57.00	505,000
Honey.....	1993		123,563	Lbs	0.50	62,000
	1992		108,932	Lbs	0.52	57,000
Market Milk	1993		65,253	Cwt	11.49	750,000
	1992 **		61,138	Cwt	11.66	713,000
Sheep and Lambs.....	1993	7,271	7,686	Cwt	68.00	523,000
	1992	7,086	7,515	Cwt	71.00	534,000
Wool	1993		71,898	Lbs	0.40	29,000
	1992		49,752	Lbs	0.45	22,000
*Miscellaneous	1993					4,065,000
	1992 **					2,438,000
Total Animal	1993					\$ 35,478,000
Industry.....	1992					\$ 28,419,000

* Eggs, Poultry, Goats, Game Birds, Aquaculture, Bees wax, Pollination

** Revised

NURSERY STOCK



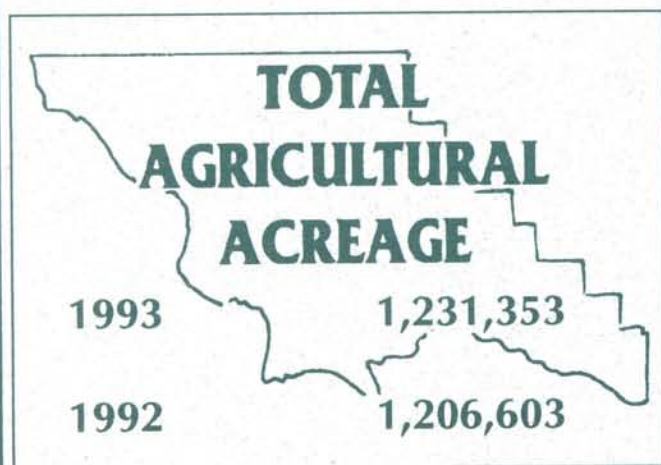
Crop	YEAR	HARVESTED ACREAGE	GREENHOUSE PRODUCTION (sq ft)	VALUE
Cut Flowers.....	1993	455		\$ 8,708,000
(Field)	1992	428		\$ 8,162,000
Cut Flowers.....	1993		1,231,460	5,194,000
(Greenhouse)	1992		1,398,185	4,842,000
Ornamentals and	1993	21.0	338,150	4,939,000
Bedding	1992	16.5	665,250	4,787,000
Fruit & Nut.....	1993	30	90,000	1,400,000
Trees	1992	35		1,522,000
Vegetable.....	1993	34	1,481,040	10,456,000
Transplants	1992	150		9,114,000
Indoor.....	1993		1,037,740	7,493,000
Decoratives	1992		842,700	6,829,000
Christmas Trees.....	1993	85		311,000
(Cut)	1992	75		214,000
*Miscellaneous	1993	35	40,000	800,000
	1992	42	50,000	1,760,000
Total Nursery	1993	660	4,218,390	\$ 39,301,000
Stock	1992	747	2,956,135	\$ 37,230,000

The nursery industry continues to grow with both increases in production area and value. Vegetable transplants, indoor decoratives and cut flowers all posted moderate gains, leading to a new record in value.

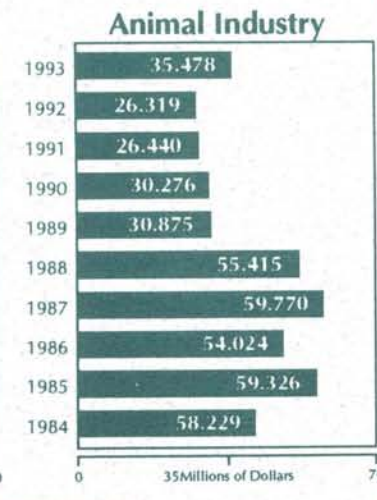
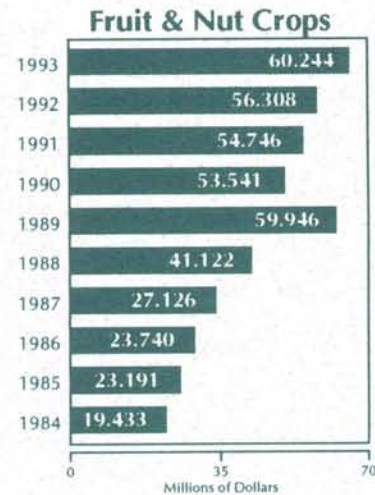
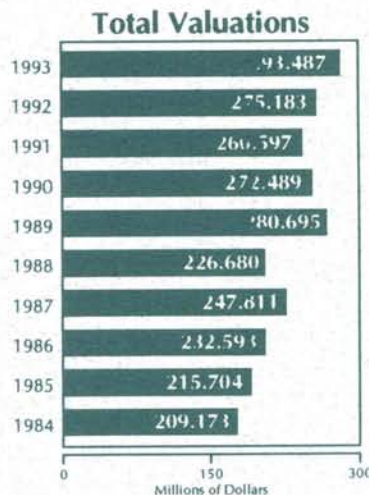
* Herbacious Perennials, Herbs, Specialty plants, Cacti, Succulants, Turf

TOP 20 CROP COMMODITY VALUES – 1993

1. WINE GRAPES	\$34,250,000
2. HEAD LETTUCE	\$32,710,000
3. BROCCOLI (ALL).....	\$30,530,000
4. CATTLE & CALVES	\$29,524,000
5. PEAS, EDIBLE POD	\$17,669,000
6. VEGETABLE TRANSPLANTS.....	\$10,456,000
7. CELERY.....	\$9,434,000
8. CUT FLOWERS, FIELD	\$8,708,000
9. STRAWBERRIES.....	\$7,536,000
10. INDOOR DECORATIVES	\$7,493,000
11. ORIENTAL VEGETABLES	\$7,383,000
12. CARROTS.....	\$6,744,000
13. LEAF LETTUCE	\$6,742,000
14. RANGELAND/DRYLAND	\$6,150,000
15. BELL PEPPERS	\$6,130,000
16. CUT FLOWERS, GREENHOUSE.....	\$5,194,000
17. CAULIFLOWER.....	\$5,048,000
18. ORNAMENTAL & BEDDING PLANTS.....	\$4,939,000
19. APPLES.....	\$4,343,000
20. AVOCADOS.....	\$4,315,000



10 YEAR COMPARISON



All 1990 figures are revised figures.

**Department of Agriculture
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