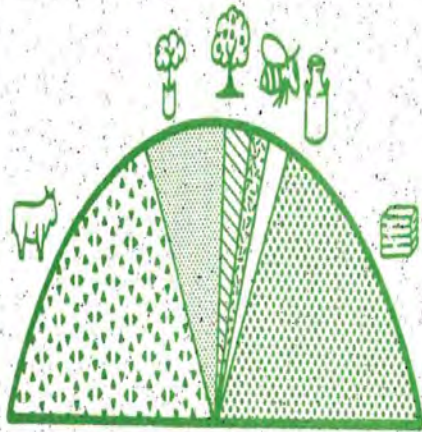






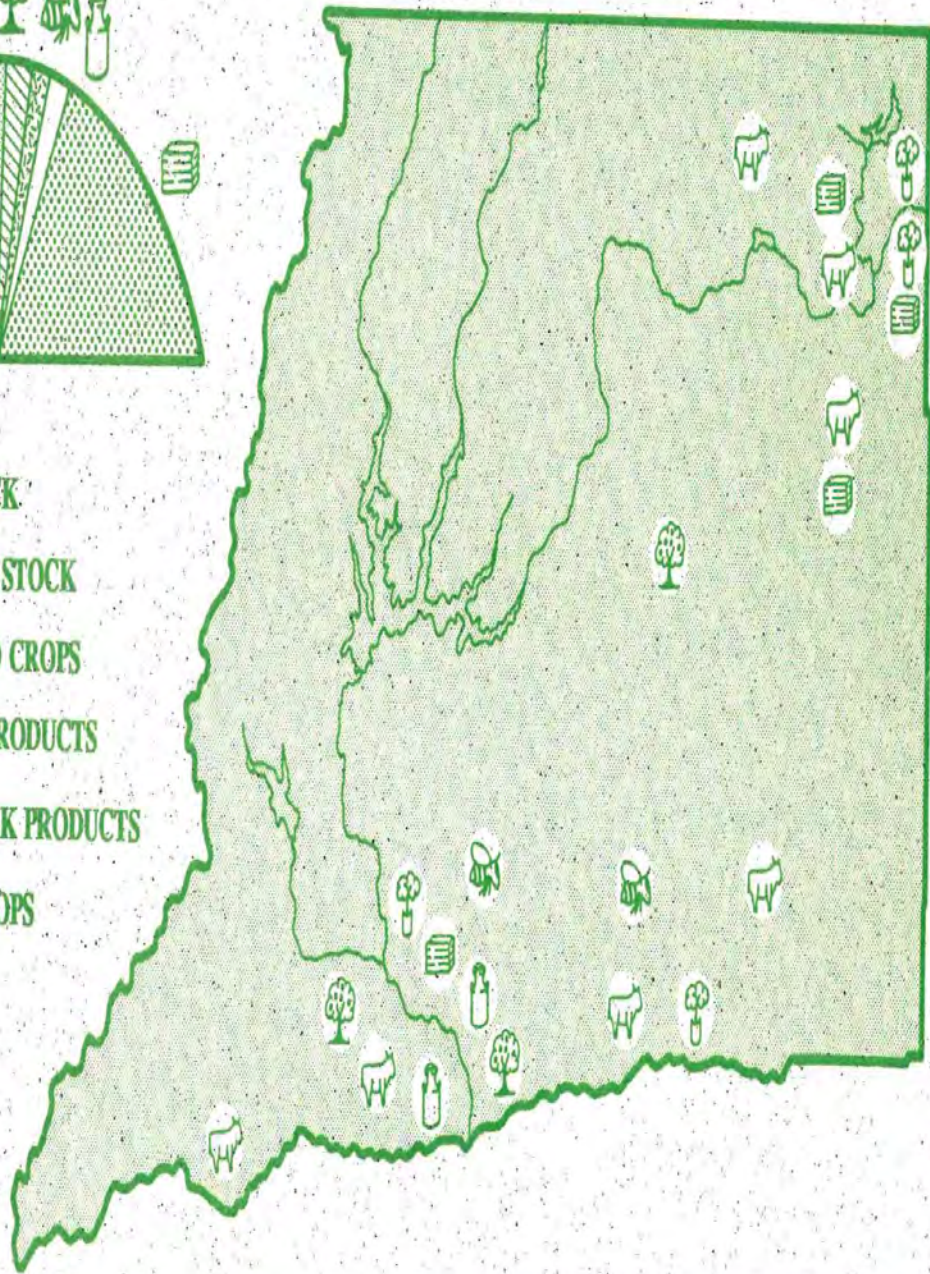


SHASTA COUNTY AGRICULTURAL CROP REPORT

1991



-  LIVESTOCK
-  NURSERY STOCK
-  ORCHARD CROPS
-  APIARY PRODUCTS
-  LIVESTOCK PRODUCTS
-  FIELD CROPS



ANNUAL CROP REPORT
FOR
YEAR ENDING DECEMBER 31, 1991

TO: Henry Voss, Director
California Department of Food and Agriculture

and

The Honorable Board of Supervisors, County of Shasta

Maurice Johannessen, Chairman, District 1

Bob Bosworth, District 2

Francie Sullivan, District 3

Molly Wilson, District 4

Patricia "Trish" Clarke, District 5

I am pleased to submit, in accordance with Section 2279 of the California Food and Agricultural Code, the Annual Crop Report summarizing agricultural production in Shasta County for 1991. The report presents the acreage, production and gross values of agricultural commodities produced in Shasta County. It does not attempt to show county inventory, cost of production or net farm income.

The value of agricultural production decreased by \$3,780,300, a decline of almost 8%. Much of this decline can be attributed to lower commodity prices for various field crops, hay, livestock products, and cattle. The number of harvested acres also declined for most hay and field crops. Wild rice was one bright spot increasing in value 32.8%. The value of nursery stock also increased by 8.3%. Other commodity groups remained stable, showing slight shifts in value.

The second annual report on sustainable agriculture has been incorporated into this report. Commissioners are required to prepare a report summarizing all of the varied activities conducted and methods used to prevent and control the spread of exotic pests at the county level. One of the most important components of these programs is the introduction of biological control agents into Shasta County. During 1991 three new agents were introduced into the county to aid in the control of Yellow Starthistle and Ash Whitefly. A total of nine biological control agents have now been introduced into the county.

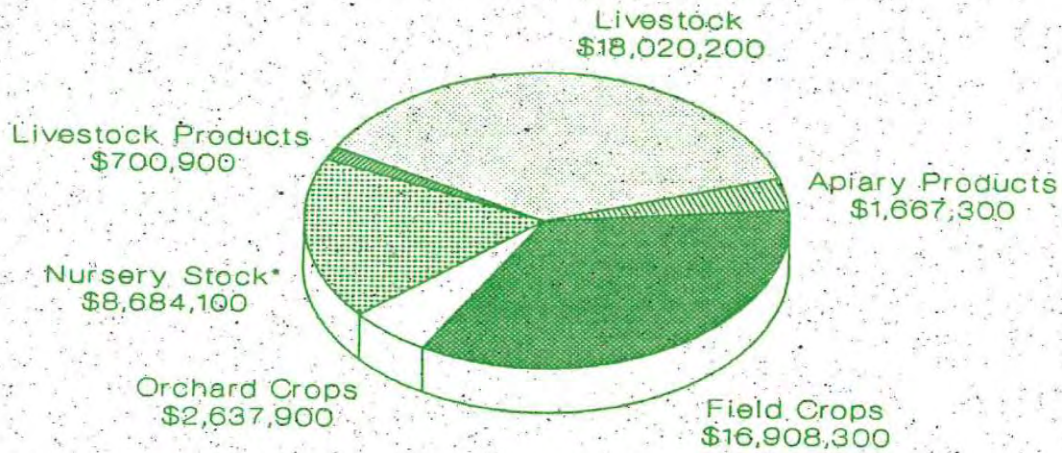
The information necessary for compiling this report has been obtained through the cooperation of producers, government agencies, representatives of agricultural businesses and others. Their outstanding cooperation is sincerely appreciated. Development of this report was under the direction of Deputy Agricultural Commissioner Mary Pfeiffer.

Respectfully submitted,



KIT L. CASSADAY
Shasta County Agricultural Commissioner

TOTAL VALUE: \$48,618,700



*Includes Christmas Trees

STAFF

Kit L. Cassaday	Agricultural Commissioner
Mary Pfeiffer	Deputy Agricultural Commissioner
John Albright	Agricultural Investigator III
Paul Kjos	Agricultural Investigator III
Don McBroom	Agricultural Investigator III
James Morton	Agricultural Investigator III
Jay Thesken	Agricultural Investigator III
Joe Rovito	Agricultural Investigator I
Caryn Moen	Agricultural Aide
Bonnie Sanderson	Administrative Secretary II
Barbara Miceli	Typist Clerk III

Cover designed by Jay Thesken

LIVESTOCK PRODUCTION

	YEAR	NO. HEAD	TOTAL LIVELWEIGHT	UNIT	AVG/UNIT	TOTAL
CATTLE & CALVES						
Feeders, Steers, & Heifers	1991	17,000	102,000	cwt	86.67	\$ 8,840,300
	1990	17,250	103,500	cwt	88.00	9,108,000
Slaughter Cattle	1991	1,900	20,805	cwt	50.00	1,040,300
	1990	1,900	19,950	cwt	50.00	997,500
Breeding Stock Cows & Bulls	1991	4,000		head	1,006.00	4,024,000
	1990	3,500		head	1,300.00	4,550,000
Dairy Cattle	1991	350		head	625.00	218,800
	1990	935		head	982.90	919,000
Pasture Cattle	1991	9,000	17,100	cwt	92.74	1,585,900
	1990	9,000	17,100	cwt	82.30	1,407,300
TOTAL CATTLE	1991					\$15,709,300
	1990					\$16,981,800
SHEEP & LAMBS						
	1991	2,000	1,900	cwt	55.00	104,500
	1990	2,000	1,900	cwt	59.47	113,000
SWINE ALL CLASSES						
	1991	900	990	cwt	56.50	55,900
	1990	875	963	cwt	59.00	56,800
OTHER LIVESTOCK (Fish, Poultry, Goats, etc.)						
	1991					2,150,500
	1990					2,234,200
TOTAL LIVESTOCK						
	1991					\$18,020,200
	1990					\$19,385,800

LIVESTOCK PRODUCTS

	YEAR	TOTAL
LIVESTOCK PRODUCTS (Milk, Wool, etc.)	1991	\$ 700,900
	1990	1,662,100

APIARY PRODUCTS

	YEAR	PRODUCTION	UNIT	AVG/UNIT	TOTAL
HONEY	1991	504,000	lb	\$.53	\$ 267,100
	1990	520,600	lb	.51	265,500
BEESWAX	1991	8,400	lb	1.04	8,800
	1990	13,100	lb	1.05	13,800
PACKAGE BEES	1991	11,500	lb	4.97	57,200
	1990	18,900	lb	3.61	68,200
QUEENS	1991	109,800	ea	5.20	566,800
	1990	107,400	ea	5.15	553,100
NUCLEI	1991	5,800	ea	26.57	154,100
	1990	5,900	ea	24.21	142,800
POLLINATION	1991	19,000	col	32.28	613,300
	1990	15,600	col	31.02	483,900
TOTAL APIARY PRODUCTS					
	1991				\$ 1,667,300
	1990				\$ 1,527,300

FOREST PRODUCTS

	YEAR	PRODUCTION	UNIT	TOTAL
TIMBER	1990	170,400,000	bd. ft.	\$ 36,100,000
	1989	202,219,000	bd. ft.	35,000,000
MISC. FOREST PRODUCTS	1991			\$ 10,307,500
	1990			9,405,000*

FIELD CROPS

	YEAR	HARVEST ACRES	PER ACRE	TOTAL	UNIT	AVG/UNIT	TOTAL
GRAIN							
Barley	1991	500	1.8	900	ton	100.00	\$ 90,000
	1990	650	1.7	1,105	ton	90.50	100,000
Wheat	1991	1,000	2.6	2,600	ton	78.00	202,800
	1990	2,150	1.7	3,655	ton	90.00	329,000
WILD RICE							
	1991	1,290	1,320	1,702,800	lb	.60	1,021,700
	1990	1,200	1,060	1,272,000	lb	.54	686,900
MISC CROPS (Potatoes, Oats, Silage, Seed Crops, Truck Crops, etc.)							
	1991	1,395					900,000
	1990	1,435					1,092,500
HAY							
Alfalfa	1991	11,500	5.0	57,500	ton	87.30	5,019,800
	1990	13,000	5.0	65,000	ton	100.00	6,500,000
Other Hay	1991	16,800	2.6	43,680	ton	78.25	3,418,000
	1990	17,000	2.8	47,600	ton	84.75	4,034,100
PASTURE							
Irrigated	1991	31,000			acre	100.00	3,100,000
	1990	34,000			acre	100.00	3,400,000
Improved	1991	100,000			acre	12.00	1,200,000
	1990	100,000			acre	12.00	1,200,000
Rangeland	1991	326,000			acre	6.00	1,956,000
	1990	326,000			acre	6.00	1,956,000
TOTAL FIELD CROPS							
	1991						\$16,908,300
	1990						\$19,298,500

ORCHARD CROPS

WALNUTS							
	1991	1,000	1.1	1,100	ton	1,120.00	\$ 1,232,000
	1990	1,175	1.0	1,175	ton	1,005.00	1,180,900
FRUIT & NUT CROPS (Apples, Olives, Prunes, Grapes, Kiwis, Pistachios, etc.)							
	1991	983					1,405,900
	1990	1,275					1,290,200
TOTAL ORCHARD CROPS							
	1991						\$ 2,637,900
	1990						\$ 2,471,100

NURSERY STOCK

	YEAR	HARVEST ACRES	PLANTS /ACRE	TOTAL PLANTS	UNIT	AVG/UNIT	TOTAL
STRAWBERRY							
Low Elevation	1991	94	454	42,676	1,000s	\$ 40.55	\$ 1,730,500
	1990	110	485	53,350	1,000s	34.00	1,813,900
High Elevation	1991	336	374	125,664	1,000s	41.67	5,236,400
	1990	322	380	122,360	1,000s	38.27	4,682,700
OTHER NURSERY STOCK (Turf, Ornamentals, etc.)							
	1991						1,203,900
	1990						998,200
TOTAL NURSERY STOCK							
	1991						\$ 8,170,800
	1990						\$ 7,494,800

CHRISTMAS TREES

	YEAR	PLANTS	UNIT	AVG/UNIT	TOTAL
CHRISTMAS TREES					
	1991	87,000	ca	5.90	\$ 513,300
	1990	94,500	ca	5.92	559,400

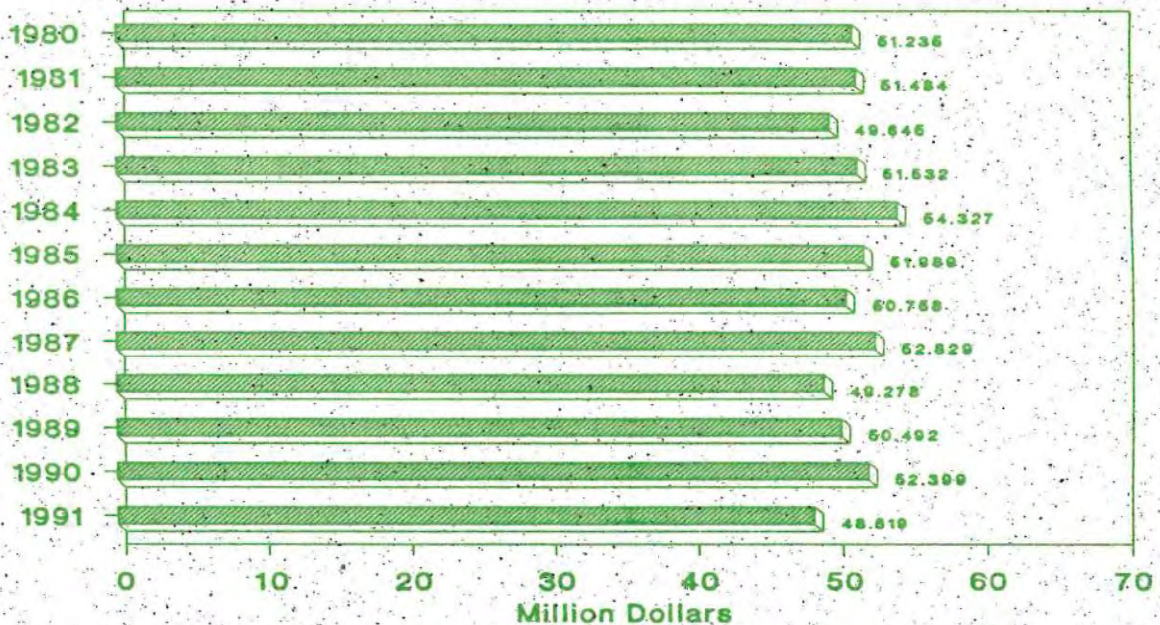
1991 SUSTAINABLE AGRICULTURE REPORT

<u>PEST</u>	<u>AGENT/MECHANISM</u>	<u>SCOPE OF PROGRAM</u>
<u>PEST EXCLUSION</u>		
Exotic Pests	45,621 shipments inspected (UPS, Post Office, Federal Express, trucks)	160 rejections 10 pests intercepted
<u>PEST DETECTION</u>		
Gypsy Moth Medfly Oriental Fruit Fly Japanese Beetle Khapra Beetle Apple Maggot	1,250 traps placed throughout Shasta County to detect the presence of these pests.	2 Western Cherry Fruit Flies (on AM trap)
<u>PEST ERADICATION</u>		
Dalmatian Toadflax Spotted Knapweed Scotch Thistle Musk Thistle Diffuse Knapweed Squarrose Knapweed Yellow Spine Thistle	Controlled by a combination of mechanical and chemical methods.	67 sites spread over 5,000 acres throughout the county
<u>PEST MANAGEMENT</u>		
<u>BIOLOGICAL CONTROL</u>		
Yellowstar Thistle <u>Centaurea solstitialis</u>	Seed Weevil <u>Bangasternus orientalis</u> Hairy Weevil <u>Eustenopus villosus</u> Peacock Fly <u>Chaetarelia australis</u>	5 Nursery Sites 1 Nursery Site 1 Nursery Site
Klamath Weed <u>Hypericum perforatum</u> Puncture Vine <u>Tribulus terrestris</u>	Klamath Beetle <u>Chrysolina gemellata</u> Stem & Seed Weevils <u>Microlarinus typriformis</u> <u>Microlarinus lareynii</u>	Generally distributed at lower elevations Generally distributed at lower elevations
Ash Whitefly	Parasitic Wasp <u>Encarsia inaron</u>	11 Nursery Sites 16 Release Sites
Western Grapeleaf Skeletonizer <u>Harrisina brillians</u>	Parasitic Wasp <u>Apanteles harrisinae</u> Parasitic Fly <u>Ametadoria misella</u>	Generally distributed at lower elevations

ORGANIC FARMING STATISTICS

<u>CROPS</u>	<u>NUMBER OF FARMS</u>	<u>ESTIMATED ACRES</u>
Fruits & Vegetables	10	25

TOTAL VALUE OF AGRICULTURAL PRODUCTS SHASTA COUNTY, 1980-91



COMPARISON SUMMARY

	<u>1991</u>	<u>1990</u>	<u>1989</u>	<u>1988</u>
LIVESTOCK	\$18,020,200	\$19,385,800	\$18,349,400	\$16,560,450
LIVESTOCK PRODUCTS	700,900	1,662,100	1,779,900	1,481,300
APIARY PRODUCTS	1,667,300	1,527,300	1,561,000	1,685,900
FIELD CROPS	16,908,300	19,298,500	17,853,200	17,299,500
NURSERY STOCK	8,170,800	7,494,800	8,461,600	9,731,300
CHRISTMAS TREES	513,300	559,400	500,000	510,000
ORCHARD CROPS	<u>2,637,900</u>	<u>2,471,100</u>	<u>1,987,300</u>	<u>2,009,600</u>
TOTALS	\$48,618,700	\$52,399,000	\$50,492,400	\$49,278,050
TIMBER	0**	\$36,100,000	\$35,000,000*	\$40,700,000
OTHER FOREST PRODUCTS	\$10,307,500	\$ 9,405,000	**	**

*Revised

**Not Available

Totals do not add due to rounding.