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### California Department of Food and Agriculture

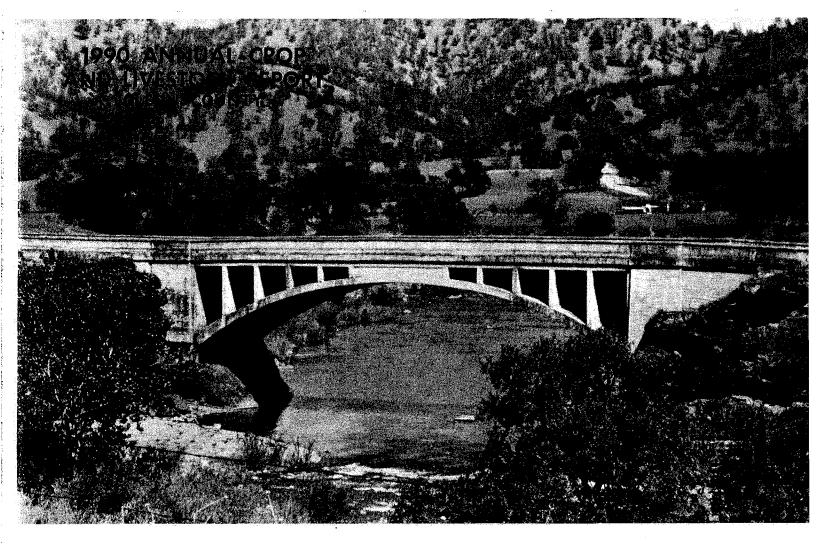
### Agricultural Commissioners' Crop Reports

# Glenn County 1990-1999

California County Agricultural Commissioners' Reports from the California Department of Food and Agriculture. This collection consists of annual crop and livestock data from each of the 58 California Counties. The collection covers 1915-1981; digitization of the rest of the collection is forthcoming.

This digitization project was funded by the Giannini Foundation of Agricultural Economics, <a href="http://giannini.ucop.edu/">http://giannini.ucop.edu/</a>.

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## GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

### 1990 ANNUAL CROP AND LIVESTOCK REPORT

#### GLENN COUNTY BOARD OF SUPERVISORS

George Edwards, Chairman

Jim Mann Dick Mudd Joanne Overton

Dan Cooper

#### **PERSONNEL**

Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr.,	Assistant Commissioner
Ernest L. Simpson	Senior Agricultural Biologist
John F. B. Tolley	Senior Agricultural Biologist
George M. Stenlund	Agricultural Biologist III
Rey Lopez	Agricultural Biologist III
Louie B. Mendoza, Jr	Agricultural Biologist III
Kevin Emanuel	Agricultural Biologist I
Jean Miller	Agricultural Biologist I
Jim Ward	Agriculturalist Biologist Aide
Don Stewart	Agriculturalist Biologist Aide
Rick Steward	Air Pollution Specialist
Paul Turek	Air Pollution Specialist
Susie Gleason	Office Manager
Maureen Bailey	Senior Secretary
Candy Woods	
Colleen Gustafson	Senior Clerical Assistant

Cover photo shows the Winslow Bridge which spans Stony Creek near Elk Creek, and is presently being replaced by a modern structure.

— Photo courtesy of the Willows Journal

County of Glenn

March 25, 1991

### Department of Agriculture

ED ROMANO, Agricultural Commissioner

SEALER OF WEIGHTS & MEASURES

Henry Voss, Director California Department of Food and Agriculture

-and-

The Honorable Board of Supervisors County of Glenn

I am pleased to submit the 1990 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agriculture Code.

Agricultural continued to be the leading industry in the county with a gross value of \$196,869,000, a decrease, primarily due to the drought, of \$14,186,000 from last year.

Values given in this report are gross receipts received by growers and they in no way reflect the net income to growers.

Included in this crop report, for the first time, is a section on sustainable agriculture. This section will highlight the work being done to eliminate or exclude new pests from entering the county. It also will highlight the organic farming and other sustainable practices being employed in the county. This section will be expanded in future years to include other practices taking place in the county.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the reports.

Respectfully submitted,

Ed Romano

Agricultural Commissioner

ER:s

# Production and Value of Agricultural Products FIELD CROPS — 1989 - 1990

COMMODITY	YEAR	ACREAGE	Production Per Acre	n Total Production	UNIT	PRICE PER UNIT	TOTAL
Barley	1990	2,369	.40	948	Ton	\$ 113.50	\$ 108,000
	1989	3,527	1.00	3,527	···	115.00	406,000
Doons	1990	6,187	.87	5,383	,,	528.40	2,844,000
Beans	1989	6,307	.84	5,306	"	839.99	4,457,000
Corn	1990	7,085	4.00	28,340	"	107.20	3,038,000
	1989	7,366	4.00	29,464	"	116.00	3,418,000
Hay	1990	, 17,095	6.50	111,118	,,	110.00	12,223,000
Alfalfa	1989	18,150	6.50	117,975	"	90.00	10,618,000
Hay	1990	977	2.00	1,954	,,	75.00	147,000
Other	1989	1,150	2.50	2,875	,,	70.00	201,000
Pasture	1990	16,575			Acre	168.00	2,785,000
Irrigated	1989	16,575			"	120.00	1,989,000
Range	1990	240,000			"	6.00	1,440,000
	1989	240,000			,,	5.00	1,200,000
Rice	1990	62,919	3.75	235,946	Ton	214.60†	50,634,000
Paddy	1989	69,470	3.90	270,933	"	216.00†	58,522,000
Silage	1990	3,000	24.00	72,000	,,	24.00	1,728,000
	1989	3,000	25.00	75,000	"	26.00	1,950,000
Grai <b>n</b>	1990	1,600	2.30	3,680	"	91.00	335,000
Sorghum	1989	2,088	2.30	4,802	,,	120.00	576,000
Sugar	1990	9,598	24.87	238,702	,,	34.47	8,228,000
Beets	1989	8,933	31.98	285,677	,,	34.71	9,916,000
Wheat	1990	33,376	2.15	71,758	"	99.33	7,128,000
	1989	28,845	2.30	66,344	,,	126.00	8,359,000
Miscellaneous	1990	2,050					929,000
	1989	2,940	·······		··		1,202,000
TOTAT C	1990	402,831			·	\$	91,567,000
TOTALS	1989	408,351				•	102,814,000

### **APIARY PRODUCTS — 1989 - 1990**

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL
Honey	1990	76,000	Lb.	\$ .48	\$ 36,000
Tioney	1989	3,000	"	.67	2,000
Beeswax	1990	2,000	"	1.00	2,000
Deeswax	1989	2,000	"	1.00	2,000
Packaged Bees	1990	67,000	>>	3.68	247,000
rackageu bees	1989	59,000	"	3.27	193,000
Queen Bees	1990	65,000	Each	4.93	320,000
Queen Dees	1989	67,000	"	4.25	285,000
Pollination	1990				610,000
1 Ollination	1989				560,000
TOTALS	1990				\$ 1,215,000
IOIVID	1989				1,042,000

### SEED CROPS - 1989 - 1990

COMMODITY	YEAR	ACREAGE	Product Per Ac	ion Total re Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1990	612	350	214,200	Lb.	\$ 1.22	\$ 261,000
Anana	1989	482	200	97,000	,,	1.25	121,000
Beans	1990	2,584	1,445	3,733,880	33	.38	1,419,000
Dealis	1989	2,783	1,548	4,306,778	"	.41	1,766,000
Clover	1990	3,991	304	1,213,264	,,	.97	1,177,000
Clover	1989	4,207	331	1,391,160	"	1.20	1,669,000
Rice	1990	2,195	7,500	16,462,500	,,	.12	1,976,000
Aice	1989	1,972	7,800	15,382,000	,,	.11	1,692,000
Safflower	1990			under other operations		avoid discl	osing
Dullio W Cl	1989	300	2,000	600,000	"	.15	90,000
Sudan	1990		uded ı vidual	under other operations		avoid discl	osing
	1989	958	2,100	2,011,800	• • • • • • • • • • • • • • • • • • • •	.17	342,000
Sunflower	1990	2,266	1,440	3,262,110	,,	.46	1,501,000
Sunnower	1989	1,860	1,700	3,162,000	"	.45	1,423,000
Vine Crops	1990	1,999	,				1,418,000
vine Crops	1989	1,813			1		1,616,000
Wheat	1990	838	4,800	4,022,400	>>	.10	402,000
Wileat	1989	835	5,000	4,175,000	Lb.	.09	376,000
Other	1990	1,632					356,000
Seed	1989	622					124,000
TOTALS	1990	16,117				\$	8,510,000
	1989	15,832					9,219,000

### LIVESTOCK AND POULTRY --- 1989 - 1990

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	TINU	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1990	23,540	166,487	Cwt.	\$ 77.41 \$	12,888,000
Cattle and Carves	1989	24,119	176,748	. , , , , , , ,	69.88	12,351,000
Cheen and Lamba	1990	18,785	19,274	"	46.31	893,000
Sheep and Lambs	1989	17,365	17,817	**	62.32	1,110,000
Hogs and Pigs	1990	1,785	3,205	,,	49.97	160,000
nogs and rigs	1989	1,706	3,372	,,	42.24	142,000
Poultry	1990	Includ	ded under L	ivestoc	k and Poul	try
Poultry	1989	Produ	icts to protec	et indiv	idual opera	tions.
TOTALS	1990				\$	13,941,000
IOIVID	1989				·	13,603,000

#### LIVESTOCK AND POULTRY PRODUCTS - 1989 - 1990

COMMODITY	YEAR	PRODUCTION	TINU	PRICE PER UNIT	TOTAL VALUE
Milk, all	1990	2,331,330	Cwt.	\$ 11.74	\$ 27,362,000
Willia, all	1989	2,147,895	- 27	12.14	26,072,000
Market	1990	1,752,996	"	11.96	20,966,000
Market	1989	1,562,753	"	12.34	19,284,000
Manufacturing	1990	578,334	"	11.06	6,396,000
Manufacturing	1989	585,142	"	11.60	6,788,000
Wool	1990	152,113	Lb.	.77	117,000
W 001	1989	113,245	"	1.23	139,000
Miscellaneous	1990				145,000
Miscellaneous	1989				125,000
TOTALS	1990				\$ 27,624,000
	1989				26,336,000

#### **VEGETABLE CROPS — 1989 - 1990**

COMMODITY	YEAR	ACREAGE Production Total Per Acre Production	UNIT	PRICE PER UNIT	TOTAL VALUE
All	1990	Included Under Field	Crops	to Avoid	
Vegetables	1989	Disclosing Individual C	Operati	ions.	

#### **NURSERY PRODUCTS — 1989 - 1990**

COMMODITY	YEAR	ACREAGE	Production Total Per Acre Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1990	390				\$ 5,480,000
Production	1989	398				4,689,000

FRUIT	AND	NUT	CROPS —	1989 -	1990
	<del></del>		<del></del>		

COMMODITY	YEAR	BEARING ACREAGE	Production Per Acre	Total Production	TINU	PRICE PER UNIT	TOTAL
Almonds	1990	14,659	.67	9,821	Meat	\$ 1,650.00	\$ 16,205,000
71111011GS	1989	14,599	.37	5,402	Ton	2,300.00	12,425,000
Almond Hulls	1990			12,276	Ton	65.00	798,000
Amond Huns	1989			6,752*	**	60.00	405,000
Citrus	1990	900	3.30	2,973	,,	293.00	871,000
Citius	1989	889	11.67	10,377	"	195.00	2,024,000
Olives	1990	2,150	3.47	7,468	,,	477.00	3,562,000
Olives	1989	2,150	5.61	12,054	**	478.00	5,762,000
Prunes	1990	7,229	2.30	16,623	Dry	837.00	13,913,000
1 Tunes	1989	7,108	3.81	27,065	Ton	692.00	18,729,000
Walnuts	1990	5,681	.93	5,269	Inshell	1,065.00	5,611,000
Wantuts	1989	5,470	1.22	6,656	Ton	1,080.00	7,188,000
Misc. Fruits	1990	1,377					2,479,000
& Nuts	1989	1,781					2,107,000
TOTALS	1990	31,996		.,,		\$	43,439,000
IOIALS	1989	31,997				•	48,640,000*
* Revise		•					77

### Production and Value of Forest Produts

FOREST PRODUCTS - 1989 - 1990

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1990 1989	36,947,000 29,200,000	Board Feet	\$ .13 .16	\$ 4,853,000 4,672,000
Firewood	1990 1989	3,402 531	Cord	60.00 65.00	204,000 35,000
Christmas Trees	1990 1989	3,558 600	Tree	10.00 8.00	36,000 5,000
TOTALS	1990 1989				\$ 5,093,000 4,712,000

### GLENN COUNTY SUSTAINABLE AGRICULTURE — 1989 - 1990

#### PEST EXCLUSION

TERMINAL INSPECTIONS	Number of Shipments	Rejections	PEST
Postal	48		
United Parcel Service	2		
Truck	76	2 <	/1-Joint Vetch (Aeschynomene sp) /1-Quackgrass (Agropyron repens)
Other	2		
ORIGIN CERTIFICATION	Number of Inspections		
Field Inspections	177		
Phytosanitary Certificates Issued	1,009		

#### ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	1	120 Acres
Citrus	6	82 Acres
Fruit Production	6	165 Acres
Ornamentals	1	6,000 Containers
Rice	2	313 Acres
Vegetables	6	13 Acres
Walnuts	1	10.5 Acres
Wheat	1	25 Acres

### GLENN COUNTY SUSTAINABLE AGRICULTURE - 1989 - 1990

#### BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Puncture Vine Tribulus tenestris	Stem and Seed Weevils  Microlarinus lypriformis  Microlarinus lareyniei	7 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientalis	2 Release Sites

#### PEST ERADICATION

PEST	CONTROL AGENT	Number of Locations
Artichoke Thistle Cynara cardunculus	Chemical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	1
Hoarycress Cardaria draba	Chemical	16
Peppergrass Lepidium latifolium	Chemical	10
Plumeless Thistle Carduus acanthoides	Chemical	2
Russian Knapweed Centaurea repens	Chemical	1
White Horsenettle Solanum elaeagnifolium	Chemical	23

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Vallue of Agricultural Production	1989		1990
Field Crops	\$ 102,814,000	. \$	91,567,000
Livestock and Poultry	13,603,000	•	13,941,000
Fruit and Nut Crops	48,640,000*	-	43,439,000
Livestock and Poultry Products	26,336,000	-	27,624,000
Seed Crops	9,219,000	-	8,510,000
Apiary Products	1,042,000		1,215,000
Nursery Products	4,689,000		5,480,000
Total Agricultural Production	\$ 206,343,000*	. \$	191,776,000
Value of Forest Products			
Timber	\$ 4,672,000	. \$	4,853,000
Firewood	35,000		204,000
Christmas Trees	5,000		36,000
Total Forest Production	\$ 4,712,000	•	5,093,000
Grand Total All Production 3  * Revised	\$ 211,055,000*	\$	196,869,000

### GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Cor	nmodity	1990 Value
1.	Rice	\$ 50,634,000
2.	Dairy Products	27,362,000
3.	Almonds	16,205,000
4.	Prunes	13,913,000
5.	Cattle and Calves	12,888,000
6.	Hay, Alfalfa	12,223,000
7.	Sugar Beets	8,228,000
8.	Wheat	7,128,000
9.	Walnuts	5,611,000
10.	Olives	3,562,000

## ANNUAL RAINFALL AT WILLOWS, CALIFORNIA 111 YEARS — 1878 - 1990

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1916-1917 .	11.43	1954-1955	14.57
	13.96		11.90		23.24
	13.85		12.90		19.11
	8.28		7.70		32.93
1882-1883	8.45	1920-1921 .	21.28	1958-1959	11.96
1883-1884	18.84		13.44	1959-1960	13.88
1884-1885	7.80	1922-1923	16.81	1960-1961	16.24
1885-1886	19.15	1923-1924 .	8.86	1961-1962	16.01
1886-1887	8.07	<b>1924-1925</b> .	25.99	1962-1963	20.48
1887-1888	8.97	1925-1926 .	18.44	1963-1964	9.34
1888-1889	10.30	<b>1926-1927</b> .	25.99	1964-1965	18.75
1889-1890	29.94	<b>1927-1928</b> .	17.54	1965-1966	13.26
1890-1891	19.01	<b>1928-1929</b> .	11.46	1966-1967	23.65
	18.82	1929-1930 .	16.37	1967-1968	15.21
	27.30	1930-1931 .	9.85	1968-1969	23.25
	11.15		15.01		18.56
	26.04		7.79		13.50
- ,	22.18		15.65		7.15
	18.82		19.62		25.11
	6.58		17.48		17.45
	13.05		16.40		16.03
	15.23		26.28		<b>6.3</b> 0
	17.49		6.82		8.46
	21.67		23.21		25.72
	17.10				14.97
	20.28		24.07		26.95
	24.55		15.68		18.76
	19.85		13.52		25.58
	17.88		16.94		37.25
	13.44		14.72		20.47
	22.09		12.28		14.89
	14.36		19.56		24.82
	17.75		15.59		10.92
	11.26		10.32	1987-1988 .	
	13.18		17.48		10.12
	29.18		23.50	1989-1990 .	12.71
	27.19		19.70		
1915-1916	18.11	1953-1954	16.64		

ANNUAL CROP AND IVESTOCK REPORT

GLENN COUNTY 1991



### GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

### 1991 ANNUAL CROP AND LIVESTOCK REPORT

#### **GLENN COUNTY BOARD OF SUPERVISORS**

Joanne Overton, Chairman

Jim Mann Dick Mudd Ken Burbank Marilyn Baker

#### **PERSONNEL**

Agricultural Commissioner
Assistant Commissioner
Senior Agricultural Biologist
Senior Agricultural Biologist
Agricultural Biologist III
Agricultural Biologist III
Agricultural Biologist II
Agricultural Biologist II
Agricultural Biologist I
Agricultural Biologist Aide
Air Pollution Specialist
Air Pollution Specialist
Office Manager
Senior Secretary
Secretary
Senior Clerical Assistant
Senior Clerical Assistant

Cover photos show the Glenn County Courthouse in Willows, past and present — 1881 to 1991.

- Front cover photo courtesy of the Willows Library
- Back cover photo courtesy of the Willows Journal

County of Glenn

#### DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner Sealer of Weights and Measures

April 13, 1992

Henry Voss, Director California Department of Food and Agriculture

-and-

The Honorable Board of Supervisors County of Glenn

The 1991 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural continues to be the leading industry in the County with a gross value of \$189,570,000, a decrease of \$7,974,000 from last year, primarily due to drought, the freeze and bad weather during almond pollination season.

Values given in this report are gross receipts received by growers and they in no way reflect the net income to growers.

Included in this crop report is a section on sustainable agriculture. This section will highlight the work being done to eliminate or exclude new pests from entering the County. It also will highlight the organic farming and other sustainable practices being employed in the County. This section will be expanded in future years to include other practices taking place in the County.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the reports.

Respectfully submitted,

Ed Romano Agricultural Commissioner

ER:s

FIELD CROPS --- 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1991 1990	2,136 2,369	.93 .40	1,986 948	Ton	\$104.17 113.50	\$207,000 108,000
Beans	1991 1990	4,673 6,187	.89 .87	4,159 5,383	"	606.41 528.40	2,522,000 2,844,000
Com	1991 1990	7,274 7,085	4.20 4.00	30,551 28,340	**	110.00 107.20	3,361,000 3,038,000
Hay Alfalfa	1991 1990	20,327 17,095	7.00 6.50	142,289 111,118	)) ))	85.00 110.00	12,095,000 12,223,000
Hay Other	1991 1990	1,345 977	2.50 2.00	3,363 1,954	)) ))	60.00 <b>75.</b> 00	202,000 147,000
Pasture Irrigated	1991 1990	16,575 16,575			Acre	120.00 168.00	1,989,000 2,785,000
Range	1991 1990	240,000 240,000			99	6.00 6.00	1,440,000 1,440,000
Rice Paddy	1991 1990	53,335 62,919	3.90 3.75	208,007 235,946	Ton		44,555,000 50,634,000
Silage	1991 1990	3,000 3,000	24.00 24.00	72,000 72,000	99 99	24.00 24.00	1,728,000 1,728,000
Grain Sorghum	1991 1990	1,536 1,600	2.30 2.30	3,533 3,680	,, ,,	106.00 91.00	374,000 335,000
Sugar Beets	1991 1990	11,684 9,598	26.59 24.87	310,677 238,702	99 99	34.44 34.47	10,700,000 8,228,000
Wheat	1991 1990	26,132 33,376	2.40 2.15	62,717 71,758	"	103.00 99.33	6,460,000 7,128,000
Miscellaneous	1991 1990	2,215 2,050					990,000 929,000
TOTALS	1991 1990	390,232 402,831				\$	586,623,000 91,567,000

<sup>†</sup> Target Price ASCS Office

### **VEGETABLE CROPS — 1990 - 1991**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1991 1990	Included under Field Crops to avoid disclosing individual operations.					

### **APIARY PRODUCTS — 1990 - 1991**

· · · · · · · · · · · · · · · · · · ·		<u> </u>			
COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1991 1990	222,000 76,000	Lb.	\$.50 .48	\$111,000 36,000
Beeswax	1991 1990	5,000 2,000	99 99	1.00 1.00	5,000 2,000
Packaged Bees	1991 1990	70,000 67,000	77 . 79	3.67 3.68	257,000 247,000
Queen Bees	1991 1990	70,000 65,000	Each	4.74 4.93	332,000 320,000
Pollination	1991 1990				560,000 610,000
TOTALS	1991 1990				\$1,265,000 1,215,000

### SEED CROPS - 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1991 1990	317 612	551 350	174,531 214,200	Lb.	\$1.08 1.22	\$188,000 261,000
Beans	1991 1990	2,680 2,584	1,486 1,445	3,981,310 3,733,880	" "	.33 .38	1,314,000 1,419,000
Clover, all	1991 1990	2,524 3,991	348 304	878,664 1,213,264	)) ))	1.28 .97	1,125,000 1,177,000
Rice	1991 1990	2,179 2,195	7,800 7,500	16,996,200 16,462,500	)) ))	.11 .12	1,870,000 1,976,000
Vine Crops	1991 1990	1,239 1,999					1,182,000 1,418,000
Wheat	1991 1990	610 838	4,800 4,800	2,928,000 4,022,400	Lb.	.06 .10	176,000 402,000
Other Seed	1991 1990	5,985 3,898			7 -		2,210,000 1,857,000
TOTALS	1991 1990	15,534 16,117					\$8,065,000 8,510,000

### LIVESTOCK AND POULTRY — 1990 - 1991

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1991 1990	22,054 23,540	154,946 173,139*	Cwt.	\$78.15 74.43*	\$12,109,000 12,887,000*
Sheep and Lambs	1991 1990	19,069 18,785	19,565 19,274	"	48.60 46.31	951,000 893,000
Hogs and Pigs	1991 1990	1,995 1,785	3,700 3,205	<b>33</b>	47.82 49.97	177,000 160,000
Poultry	1991 1990	Inch	ided under Liv		and Poultry P	
TOTALS	1991 1990					\$13,237,000 13,940,000*

<sup>\*</sup> Revised

### LIVESTOCK AND POULTRY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1991 1990	2,455,765 2,331,330	Cwt.	\$10.98 11.74	\$26,965,000 27,362,000
Market	1991 1990	1,901,404 1,752,996	"	11.17 11.96	21,239,000 20,966,000
Manufacturing	1991 1990	554,361 578,334	"	10.33 11.06	5,726,000 6,396,000
Wool	1991 1990	125,525 152,113	Lb.	.53 .77	67,000 117,000
Miscellaneous	1991 1990	~			144,000 145,000
TOTALS	1991 1990				\$27,176,000 27,624,000

### NURSERY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1991	331					\$2,693,000
Production	1990	390					5,480,000

FRUIT AND NUT CROPS - 1990 - 1991

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1991 1990	15,121 14,659	.43 .67	6,502 9,821	Meat Ton	\$2,200.00 1,650.00	\$14,304,000 16,205,000
Almond Hulls	1991 1990			8,128 12,276	Ton	53.00 65.00	431,000 798,000
Citrus	1991 1990	785 861	2.79 3.58	2,192 3,085	"	489.00 499.00	1,072,000 1,539,000*
Olives	1991 1990	2,245 2,150	4.84 3.47	10,863 7,468	"	525.73 477.00	5,711,000 3,562,000
Pistachios	1991 1990	522 In	.60 ncluded unde	313 er Miscella	neous F	2,960.00 ruits and N	927,000 uts
Prunes	1991 1990	7,379 7,229	1.68 2.30	12,397 16,623	Dry Tons	1,042.00 837.00	12,918,000 13,913,000
Walnuts	1991 1990	5,875 5,681	1.27 .93	7,437 5,269	Inshell Ton	1,125.00 1,065.00	8,367,000 5,611,000
Miscellaneous Fruits & Nuts	1991 1990	1,067 1,377				,	1,163,000 2,479,000
TOTALS	1991 1990	32,994 31,957					\$44,893,000 44,107,000*
			<b>≠</b> D'-	1			

<sup>·</sup> Revised

# Production and Value of Forest Products FOREST PRODUCTS — 1990 - 1991

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1991 1990	34,875,000 36,947,000	Board Feet	\$.16 .13	\$5,563,000 4,853,000
Firewood	1991 1990	607 3,402	Cord	65.00 60.00	39,000 204,000
Christmas Trees	1991 1990	1,700 3,558	Each ",	10.00 10.00	17,000 36,000
TOTALS	1991 1990				\$5,619,000 5,093,000

# Production and Value of Agricultural Products GLENN COUNTY SUSTAINABLE AGRICULTURE — 1990 - 1991 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF	REJECTIONS		PEST	
Postal	34	0			en e
United Parcel Service	0	0			
Truck	27	0. , .			
Other	2	0			
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS				
Field Inspections	189				
Phyto Certificates Issued	810		The state of the s		

#### **ORGANIC FARMING**

CROP	NUMBER OF FARMS	AMOUNT
Almonds	5	221 Acres
Dried Beans/Peas		40 Acres
Citrus	3	61 Acres
Oats	1	23 Acres
Plums		3 Acres
Rice	6	1,908 Acres
Vegetables	2	41 Acres
Walnuts	1	10 Acres

# Production and Value of Agricultural Products GLENN COUNTY SUSTAINABLE AGRICULTURE — 1990 - 1991 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp <u>Encarsia Sp</u> .	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle <u>Carduus tenuiflorus</u>	Weevil <u>Rhenocyllus</u> conicus	2 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils <u>Microlarinus lypriformis</u> <u>Microlarinus lareyniei</u>	5 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientalis	2 Release Sites

### **PEST ERADICATION**

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle <u>Cynara cardunculus</u>	Chemical - Mechanical	2
Canada Thistle <u>Cirsium arvense</u>	Chemical - Mechanical	40 <b>1</b>
Dyerswoad <u>Isatis tinctoria</u>	Chemical - Mechanical	1
Hoarycress <u>Cardaria draba</u>	Chemical	16
Peppergrass <u>Lepidium latifolium</u>	Chemical	10
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	2
Russian Knapweed Centaurea repens	Chemical	1
White Horsenettle Solanum elaeagnifolium	Chemical	23

# VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1990	1991
Field Crops	\$91,567,000	\$86,623,000
Livestock and Poultry	13,940,000*	13,237,000
Fruit and Nut Crops	44,107,000*	44,893,000
Livestock and Poultry Products		
Seed Crops	8,510,000	8,065,000
Apiary Products		
Nursery Products		
Total Agricultural Production		The second secon
보는 경기 전에 기계되었다. 그런 사람들은 기계를 보는 것이 되었다.		ere e Britania e e e e e e e e e e e e e e e e e e e
Value of Forest Products	1990	1991
Timber	\$4,853,000	\$5,563,000
Firewood	204,000	39,000
Christmas Trees	36,000	17,000
Total Forest Products	\$5,093,000	\$5,619,000
Grand Total All Production	\$197,544,000*	\$189,571,000
* Re	vised	

### GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Com	nodity	1991 Value
1.	Rice	\$44,555,000
2.	Dairy Products	26,965,000
3.	Almonds	14,304,000
4.	Prunes	12,918,000
5.	Cattle and Calves	12,109,000
6.	Hay, Alfalfa	12,095,000
7.	Sugar Beets	10,700,000
8.	Walnuts	8,367,000
9.	Wheat	
10.	Olives	5,711,000

### ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

### 112 YEARS — 1878 - 1991

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1916-1917	11.43	1954-1955	14.57
1879-1880		1917-1918		1955-1956	
1880-1881		1918-1919		1956-1957	
1881-1882		1919-1920	7.70	1957-1958	
1882-1883		1920-1921		1958-1959	
1883-1884		1921-1922	13.44	1959-1960	13.88
1884-1885	7.80	1922-1923	16.81	1960-1961	16.24
1885-1886	19.15	1923-1924	8.86	1961-1962	16.01
1886-1887	8.07	1924-1925	25.99	1962-1963	20.48
1887-1888	8.97	1925-1926	18.44	1963-1964	9.34
1888-1889	10.30	1926-1927	25.99	1964-1965	18.75
1889-1890	29.94	1927-1928	17.54	1965-1966	13.26
1890-1891	19.01	1928-1929	11.46	1966-1967	23.65
1891-1892	18.82	1929-1930		1967-1968	15.21
1892-1893	27.30	1930-1931	9.85	1968-1969	23.25
1893-1894	11.15	1931-1932	15.01	1969-1970	18.56
1894-1895	26.04	1932-1933	<i>7.</i> 79	1970-1971	13.50
1895-1896	22.18	1933-1934	15.65	1971-1972	
1896-1897	18.82	1934-1935	19.62	1972-1973	25.11
1897-1898	6.58	1935-1936	17.48	1973-1974	17.45
1898-1899	13.05	1936-1937	16.40	1974-1975	16.03
1899-1900	15.23	1937-1938	26.28	1975-1976	6.30
1900-1901	17.49	1938-1939	6.82	1976-1977	
1901-1902	21.67	1939-1940	23.21	1977-1978	
1902-1903		1940-1941		1978-1979	
1903-1904	20.28	1941-1942		1979-1980	
1904-1905		1942-1943		1980-1981	
1905-1906		1943-1944		1981-1982	
1906-1907		1944-1945	16.94	1982-1983	-
1907-1908	13.44	1945-1946	14.72	1983-1984	20.47
1908-1909		1946-1947	12.28	1984-1985	
1909-1910		1947-1948		1985-1986	
1910-1911		1948-1949		1986-1987	
1911-1912		1949-1950		1987-1988	
1912-1913		1950-1951		1988-1989	
1913-1914		1951-1952		1989-1990	
1914-1915		1952-1953		1990-1991	15.51
1915-1916	18.11	1953-1954	16.64		

### 1992 ANNUAL CROP AND LIVESTOCK REPORT GLENN, COUNTY

### GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

### 1992 ANNUAL CROP AND LIVESTOCK REPORT

#### **GLENN COUNTY BOARD OF SUPERVISORS**

Jim Mann, Chairman

Joanne Overton Dick Mudd Ken Burbank

Marilyn Baker

#### **PERSONNEL**

Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr	Assistant Commissioner
Ernest L. Simpson	Senior Agricultural Biologist
John F. B. Tolley	Senior Agricultural Biologist
Rey Lopez	Agricultural Biologist III
Louie B. Mendoza, Jr	Agricultural Biologist III
Jean Miller	Agricultural Biologist III
Kirk Eidman	Agricultural Biologist I
Jim Ward	Agricultural Biologist Aide
Rick Steward	Air Pollution Specialist
Paul Turek	Air Pollution Specialist
Susie Gleason	Office Manager
Maureen Bailey	Secretary
Candy Woods	Secretary
Colleen Gustafson	Senior Clerical Assistant
Trudy Silveira	Senior Clerical Assistant

Cover photo: Sunflowers in Bloom by Jean Miller



#### DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner Sealer of Weights and Measures

May 3, 1993

Henry Voss, Director California Department of Food and Agriculture

and

The Honorable Board of Supervisors County of Glenn

The 1992 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural production reached a record high of \$217,802,000 primarily due to the exceptional growing season for rice, almonds, and prunes.

Values given in this report are gross receipts received by growers and they in no way reflect the net income to growers.

The report includes a section on sustainable agriculture which highlights organic farming, pest exclusion, biological control, and other sustainable practices being employed in the county.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the reports.

Respectfully submitted,

Ed Romano

Agricultural Commissioner

ER:m

FIELD CROPS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1992 1991	1,600 2,136	.98 .93	1,568 1,986	Ton	\$101.00 104.17	\$158,000 207,000
Beans	1992 1991	3,321 4,673	.85 .89	2,823 4,159	"	653.22 606.41	1,844,000 2,522,000
Com	1992 1991	9,500 7,274	4.50 4.20	42,750 30,551	"	96.00 110.00	4,104,000 3,361,000
Hay Alfalfa	1992 1991	19,323 20,327	7.00 7.00	135,261 142,289	"	75.00 85.00	10,145,000 12,095,000
Hay Other	1992 1991	800 1,345	2.00 2.50	1,600 3,363	,, ,,	55.00 60.00	88,000 202,000
Pasture Irrigated	1992 1991	16,575 16,575	,		Acre	120.00 120.00	1,989,000 1,989,000
Range	1992 1991	240,000 240,000			"	7.00 6.00	1,680,000 1,440,000
Rice Paddy	1992 1991	63,900 53,335	4.30 3.90	274,770 208,007	Ton	•	58,856,000 44,555,000
Silage	1992 1991	3,200 3,000	25.00 24.00	80,000 72,000	"	26.00 24.00	2,080,000 1,728,000
Grain Sorghum	1992 1991	1,260 1,536	2.30 2.30	2,898 3,533	"	90.00 106.00	261,000 374,000
Sugar Beets	1992 1991	7,070 11,684	25.40 26.59	179,578 310,677	)) ))	32.12 34.44	5,768,000 10,700,000
Wheat	1992 1991	28,089 26,132	2.43 2.40	68,256 62,717	"	110.00 103.00	7,508,000 6,460,000
Miscellaneous	1992 1991	2,535 2,215					1,159,000 990,000
TOTALS	1992 1991	397,173 390,232	and Daise	SCS Office			\$95,640,000 86,623,000

<sup>†</sup> Target Price ASCS Office

### VEGETABLE CROPS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1992 1991		Inch to avoid dis	ided under l closing indi		-	

### **APIARY PRODUCTS -- 1991 - 1992**

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1992 1991	140,000 222,000	Lb.	\$.51 .50	\$71,000 111,000
Beeswax	1992 1991	3,000 5,000	"	1.00 1.00	3,000 5,000
Packaged Bees	1992 1991	52,000 70,000	"	4.78 3.67	249,000 257,000
Queen Bees	1992 1991	77,000 70,000	Each	5.05 4.74	389,000 332,000
Pollination	1992 1991				780,000 560,000
TOTALS	1992 1991				\$1,492,000 1,265,000

#### SEED CROPS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1992 1991	275 317	508 551	139,795 174,531	Lb.	\$1.04 1.08	\$145,000 188,000
Beans	1992 1991	2,246 2,680	1,689 1,486	3,793,494 3,981,310	"	.39 .33	1,479,000 1,314,000
Clover, all	1992 1991	3,880 2,524	284 348	1,101,902 878,664	"	1.54 1.28	1,697,000 1,125,000
Rice	1992 1991	1,909 2,179	8,400 7,800	16,036,000 16,996,200	"	.11 .11	1,764,000 1,870,000
Vine Crops	1992 1991	2,031 1,239					1,875,000 1,182,000
Wheat	1992 1991	977 610	4,800 4,800	4,690,000 2,928,000	Lb.	.10 .06	469,000 176,000
Other Seed	1992 1991	3,511 5,985					2,024,000 2,210,000
TOTALS	1992 1991	14,829 15,534					\$9,453,000 8,065,000

### LIVESTOCK AND POULTRY — 1991 - 1992

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1992 1991	21,892 22,054	163,188 154,946	Cwt.	\$72.49 78.15	\$11,829,000 12,109,000
Sheep and Lambs	1992 1991	21,165 19,069	21,715 19,565	"	57.06 48.60	1,239,000 951,000
Hogs and Pigs	1992 1991	1,761 1,995	3,275 3,700	"	46.00 47.82	151,000 177,000
Poultry	1992 1991	Inclu	nded under Liv to protect in		and Poultry I al operations	
TOTALS	1992 1991					\$13,219,000 13,237,000

#### LIVESTOCK AND POULTRY PRODUCTS — 1991 - 1992

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1992 1991	2,580,235 2,455,765	Cwt.	\$11.46 10.98	\$29,578,000 26,966,000*
Market	1992 1991	2,015,252 1,901,404	"	11.61 11.17	23,397,000 21,239,000
Manufacturing	1992 1991	564,983 554,361	"	10.94 10.33	6,181,000 5,726,000
Wool	1992 1991	90,539 125,525	Lb.	.66 .53	60,000 67,000
Miscellaneous	1992 1991				183,000 144,000
TOTALS	1992 1991				\$29,821,000 27,177,000*

Revised

### NURSERY PRODUCTS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1992	185					\$2,161,000
Production	1991	331					2,693,000

### FRUIT AND NUT CROPS — 1991 - 1992

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	דואט	PRICE PER UNIT	TOTAL VALUE
Almonds	1992 1991	16,051 15,121	.52 .43	8,330 6,502	Meat Ton	\$2,485.00 2,200.00	\$20,700,000 14,304,000
Almond Hulls	1992 1991			10,413 8,128	Ton	45.00 53.00	469,000 431,000
Citrus	1992 1991	808 785	12.60 2.79	10,184 2,192	"	268.65 489.00	2,736,000 1,072,000
Olives	1992 1991	2,545 2,245	4.69 4.84	11,944 10,863	"	542.24 525.73	6,477,000 5,711,000
Pistachios	1992 1991	767 522	.96 .60	738 313	Inshell Ton	1,764.00 2,960.00	1,302,000 926,000
Prunes	1992 1991	7,906 7,379	2.92 1.68	23,079 12,397	Dry Ton	966.00 1,042.00	22,294,000 12,918,000
Walnuts	1992 1991	5,930 5,875	1.09 1.27	6,445 7,437	Inshell Ton	1,300.00 1,125.00	8,379,000 8,367,000
Miscellaneous Fruits & Nuts	1992 1991	1,047 1,067					1,721,000 1,163,000
TOTALS	1992 1991	35,054 32,994					\$64,078,000 44,892,000

# Production and Value of Forest Products FOREST PRODUCTS — 1991 - 1992

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	199 <b>2</b> 1991	13,600,000 34,875,000	Board Feet	\$.137 .16	\$1,851,000 5,563,000
Firewood	1992 1991	876 607	Cord	65.00 65.00	57,000 39,000
Christmas Trees	1992 1991	2,469 1,700	Each "	12.00 10.00	30,000 17,000
TOTALS	1992 1991				\$1,938,000 5,619,000

# Production and Value of Agricultural Product. GLENN COUNTY SUSTAINABLE AGRICULTURE — 1991 - 1992 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	104	0	
United Parcel Service	0	0	· · · · · · · · · · · · · · · · · · ·
Truck	2,902	0	
Other	290	0	
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS		
Field Inspections	169		
Phyto Certificates Issued	851		

#### **ORGANIC FARMING**

CROP	NUMBER OF FARMS	AMOUNT
Almonds	6	224 Acres
Dried Beans/Peas	1	40 Acres
Citrus	4	61 Acres
Oats	1	22 Acres
Plums	1	3 Acres
Rice	6	653 Acres
Vegetables	6	8 Acres
Walnuts	1	10 Acres

### Production and Value of Agricultural Produc GLENN COUNTY SUSTAINABLE AGRICULTURE — 1991 - 1992 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp <u>Encarsia Sp</u> .	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle <u>Carduus tenuiflorus</u>	Weevil <u>Rhenocyllus conicus</u>	2 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils <u>Microlarinus lypriformis</u> <u>Microlarinus lareyniei</u>	5 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil  Bangasternus orientalis	5 Release Sites
	Fly <u>Urophora sirunaseva</u>	2 Release Sites

### **PEST ERADICATION**

PEST	CONTROL AGENT	NUMBER OF LOCATIONS	
Artichoke Thistle <u>Cynara cardunculus</u>	Chemical - Mechanical	2	
Canada Thistle <u>Cirsium</u> arvense	Chemical - Mechanical	1	
Dyerswoad <u>Isatis</u> tinctoria	Chemical - Mechanical	1	
Hoarycress <u>Cardaria draba</u>	Chemical	16	
Peppergrass <u>Lepidium latifolium</u>	Chemical	10	
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	2	
Russian Knapweed Centaurea repens	Chemical	1	
White Horsenettle Solanum elaeagnifolium	Chemical	23	

# VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1991	1992					
Field Crops	\$86,623,000	\$95,640,000					
Livestock and Poultry	13,237,000	13,219,000					
Fruit and Nut Crops	44,892,000*	64,078,000					
Livestock and Poultry Products	27,177,000*	29,821,000					
Seed Crops	8,065,000	9,453,000					
Apiary Products	1,265,000	1,492,000					
Nursery Products	2,693,000	2,161,000					
Total Agricultural Production \$183,952,000\$215,864,000							
Value of Forest Products	1991	1992					
Timber	\$5,563,000	\$1,851,000					
Firewood	39,000	57,000					
Christmas Trees	17,000	30,000					
Total Forest Products	\$5,619,000	\$1,938,000					
Grand Total All Production\$189,571,000\$217,802,000							
* Revised							

### GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity		1992 Value
1.	Rice	\$58,856,000
2.	Dairy Products	29,578,000
3.	Prunes	22,294,000
4.	Almonds	20,700,000
5.	Cattle and Calves	11,829,000
6.	Hay, Alfalfa	10,145,000
7.	Walnuts	8,379,000
8.	Wheat	7,508,000
9.	Olives	6,477,000
10.	Sugar Beets	5,768,000

### ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

### 113 YEARS — 1878 - 1992

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1916-1917	11.43	1954-1955	14.57
1879-1880		1917-1918		1955-1956	
1880-1881		1918-1919		1956-1957	19.11
1881-1882	8.28	1919-1920	7.70	1957-1958	
1882-1883	8.45	1920-1921	21.28	1958-1959	11.96
1883-1884	18.84	1921-1922	13.44	1959-1960	13.88
1884-1885	7.80	1922-1923	16.81	1960-1961	16.24
1885-1886	19.15	1923-1924	8.86	1961-1962	16.01
1886-1887	8.07	1924-1925	25.99	1962-1963	20.48
1887-1888	8.97	1925-1926	18.44	1963-1964	9.34
1888-1889	10.30	1926-1927	25.99	1964-1965	18.75
1889-1890	29.94	1927-1928	17.54	1965-1966	13.26
1890-1891	19.01	1928-1929	11.46	1966-1967	23.65
1891-1892	18.82	1929-1930	16.37	1967-1968	
1892-1893		1930-1931		1968-1969	
1893-1894		1931-1932	15.01	1969-1970	
1894-1895		1932-1933		1970-1971	13.50
1895-1896		1933-1934		1971-1972	
1896-1897		1934-1935		1972-1973	
1897-1898		1935-1936		1973-1974	
1898-1899		1936-1937		1974-1975	
1899-1900		1937-1938		1975-1976	
1900-1901		1938-1939		1976-1977	
1901-1902		1939-1940		1977-1978	
1902-1903		1940-1941		1978-1979	
1903-1904		1941-1942	· · · · · · · · · · · · · · · · · · ·	1979-1980	
1904-1905		1942-1943		1980-1981	
1905-1906		1943-1944		1981-1982	
1906-1907		1944-1945		1982-1983	
1907-1908		1945-1946		1983-1984	
1908-1909		1946-1947		1984-1985	
1909-1910		1947-1948		1985-1986	
1910-1911		1948-1949		1986-1987	
1911-1912		1949-1950		1987-1988	
1912-1913		1950-1951		1988-1989	
1913-1914		1951-1952		1989-1990	
1914-1915		1952-1953		1990-1991	
1915-1916	18.11	1953-1954	16.64	1991-1992	17.19

### 1993 ANNUAL CROP AND LIVESTOCK REPORT GLENN COUNTY



## GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351
720 North Colusa Street
WILLOWS, CALIFORNIA 95988

### 1993 ANNUAL CROP AND LIVESTOCK REPORT

### **GLENN COUNTY BOARD OF SUPERVISORS**

Dick Mudd Chairman

Keith Hansen Charles Harris Ken Burbank Marilyn Baker

#### PERSONNEL

Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr	Assistant Commissioner
Ernest L. Simpson	Senior Agricultural Biologist
John F. B. Tolley	Senior Agricultural Biologist
Rey Lopez	
Louie B. Mendoza, Jr	Agricultural Biologist III
Jean Miller	Agricultural Biologist III
Bob Birdseye	Agricultural Biologist Aide
Susie Gleason	Office Manager
Maureen Bailey	Senior Secretary
Colleen Gustafson	Senior Clerical Assistant
Rick Steward	Senior Air Pollution Specialist
Kevin Tokunaga	Air Pollution Specialist
Candy Woods	Air Pollution Assistant
Trudy Silveira	Secretary

Cover photo:Baled rice stubble from rice fields in Glenn County

County of Glenn

### DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 22, 1994

Henry Voss, Secretary California Department of Food and Agriculture

and

The Honorable Board of Supervisors County of Glenn

The 1993 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural production for 1993 shows a gross value of \$252,898,808, an increase from the 1992 record high of \$34,296,800. This is primarily due to a rise in the field crop production.

Values given in this report are gross receipts received by growers and they in no way reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the reports.

Respectfully submitted,

Ed Romano

Agricultural Commissioner

ER:s

FIELD CROPS — 1992 - 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1993 1992	1,953 1,600	1.09 .98	2,129 1,568	Ton	\$108.00 101.00	\$230,000 158,000
Beans	1993 1992	4,018 3,321	.825 .85	3,315 2,823	,, ,,	642.44 653.22	2,130,000 1,844,000
Corn	1993 1992	10,721 9,500	5.07 4.50	54,356 42,750	91	112.67 96.00	6,124,000 4,104,000
Hay Alfalfa	1993 1992	17,585 19,323	7.00 7.00	123,095 135,261	91	100.00 75.00	12,310,000 10,145,000
Hay Other	1993 1992	6,759 800	2.30 2.00	15,546 1,600	91 91	80.00 55.00	1,244,000 88,000
Pasture Irrigated	1993 1992	16,575 16,575	2.	a alternative	Асте	120.00 120.00	1,989,000 1,989,000
Range	1993 1992	240,000 240,000				7.00 7.00	1,680,000 1,680,000
Rice Paddy	1993 1992	77,424 63,900	4.30 4.30	332,923 274,770	Ton		71,312,000 58,856,000
Silage	1993 1992	2,092 3,200	25.00 25.00	52,000 80,000		30.00 26.00	1,560,000 2,080,000
Grain Sorghum	1993 1992	1,418 1,260	2.30 2.30	3,261 2,898		98.80 90.00	322,000 261,000
Sugar Beets	1993 1992	8,352 7,070	23.05 25.40	192,525 179,578	**************************************	27.91 32.12	5,373,000 5,768,000
Wheat	1993 1992	31,760 28,089	2.60 2.43	82,576 68,256	,, ,,	105.67 110.00	8,726,000 7,508,000
Miscellaneous	1993 1992	8,674 2,535	- · · · · · · · · · · · · · · · · · · ·				3,076,000 1,159,000
TOTALS	1993 1992	427,331 397,173	· .		tra Ag		116,076,000 95,640,000

<sup>†</sup> Target Price ASCS Office

### VEGETABLE CROPS — 1992- 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1993 1992			uded under l sclosing ind		rops operations.	

### APIARY PRODUCTS - 1992 - 1993

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1993 1992	710,000 140,000	Lb.	\$.48 .51	\$343,000 71,000
Beeswax	1993 1992	17,000 3,000	<b>99</b>	1.23 1.00	21,000 3,000
Packaged Bees	1993 1992	108,000 52,000	99	4.75 4.78	513,000 249,000
Queen Bees	1993 1992	122,000 77,000	Each	4.11 5.05	575,000 389,000
Pollination	1993 1992				810,000 780,000
TOTALS	1993 1992				\$2,262,000 1,492,000

### SEED CROPS - 1992- 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1993	Included unde	r miscellaneou	s to avoid disclo	rure of in	dividual operat	ons.
	1992	275	508	139,795	Lb.	\$1.04	145,000
Beans	1993	2,561	1,381	3,537,575	**	.35	1,253,000
	1992	2,246	1,689	3,793,494	**	.39	1,479,000
Clover, all	1993	3,783	464	1,753,634	111	1.40	2,460,000
0.0.0., uni	1992	3,880	284	1,101,902	**	1.54	1,697,000
Rice	1993	2,924	8,500	24,854,000	"	.11	2,734,000
	1992	1,909	8,400	16,036,000	11	.11	1,764,000
Vine Crops	1993	1,458			44		1,511,000
	1992	2,031					1,875,000
Wheat	1993	859	5,000	4,295,000	Lb.	.14	601,000
	1992	977	4,800	4,690,000,	•••	.10	469,000
Other	1993	5,184					1,904,000
Seed	1992	3,511					2,024,000
TOTALS	1993	16,769					10,463,000

### LIVESTOCK AND POULTRY - 1992- 1993

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1993 1992	21,688 21,892	162,177 163,188	CwL	76.64 72.49	\$12,429,000 11,829,000*
Sheep and Lambs	1993 1992	15,344 21,165	15,743 21,715	91 91	61.34 57.06	966,000 1,239,000
Hogs and Pigs	1993 1992	1,547 1,761	2,910 3,275	91	45.08 46.00	131,000 151,000
Poultry	1993 1992	Inch	uded under Liv to protect is		and Poultry I al operations	
TOTALS	1993 1992				,	\$13,526,000 13,219,000*

<sup>\*</sup>Revised

### LIVESTOCK AND POULTRY PRODUCTS - 1992-1993

сомморіту	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1993 1992	2,677,931 2,580,235	Cwt.	\$11.35 11.46	\$30,393,000 29,578,000
Market	1993 1992	2,064,020 2,015,252	99 99	11.44 11.61	23,609,000 23,397,000
Manufacturing	1993 1992	613,911 564,983	91 99	11.05 10.94	6,784,000 6,181,000
Wool	1993 1992	80,250 90,539	Lb.	.405 .66	33,000 60,000
Miscellaneous	1993 1992				170,000 183,000
TOTALS	1993 1992				\$30,596,000 29,821,000

### NURSERY PRODUCTS - 1992- 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1993	206					\$2,374,000
Production	1992	185			•		2,161,000

### FRUIT AND NUT CROPS — 1992- 1993

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1993	16,700	.51	8,517	Meat	3,984.00	\$33,932,000
	1992	16,051	.55	8,849*	Ton	2,485.00	21,990,000*
Almond Hulls	1993 1992			10,646 10,413	Ton	55.00 45.00	586,000 469,000
Citrus	1993	846	11.45	9,688	91	263.00	2,548,000
	1992	808	12.60	10,184	91	268.65	2,736,000*
Olives	1993 1992	3,045 2,545	3.85 4.69	11,736 11,944	99	382.33 542.24	4,487,000 6,477,000
Pistachios	1993	770	.65	497	Inshell	1,964.34	976,000
	1992	767	.96	738	Ton	1,764.00	1,302,000
Prunes	1993	8,217	2.02	16,568	Dry	1,125.00	18,639,000
	1992	7,906	2.92	23,079	Ton	966.00	22,294,000
Walnuts	1993	6,120	1.31	8,042	Inshell	1,340.00	10,776,000
	1992	5,930	1.09	6,445	Ton	1,300.00	8,379,000
Miscellaneous Fruits & Nuts	1993 1992	1,297 1,047					1,864,000 1,721,000
TOTALS	1993 1992	36,995 35,054					\$73,808,000 65,368,000

Revised

## Production and Value of Forest Products FOREST PRODUCTS — 1992-1993

St. 481			4		
COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1993 1992	13,300,000 13,600,000	Board Feet	\$.22 .137	\$2,910,000 1,851,000
Firewood	1993 1992	1,086 876	Cord	65.00 65.00	71,000 57,000
Christmas Trees	1993 1992	2,046 2,469	Each "	14.00 12.00	29,000 30,000
TOTALS	1993 1992				\$3,010,000 1,938,000

## GLENN COUNTY SUSTAINABLE AGRICULTURE — 1992 - 1993 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	211	0	
United Parcel Service	0	0	
Truck	6,074	0	
Other	3,547	0	
ORIGIN CERTIFICATION	NUMBER OF		
Field Inspections	183		
Phyto Certificates Issued	947		

### **ORGANIC FARMING**

CROP	NUMBER OF FARMS	AMOUNT
Almonds	7	242 Acres
Citrus	3	71 Acres
Fruit Production	3	3 Acres
Dried Beans/Peas	1	40 Acres
Rice	5	730Acres
Vegetables	7	9 Acres

# Production and Value of Agricultural Products GLENN COUNTY SUSTAINABLE AGRICULTURE — 1992 - 1993 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle <u>Carduus</u> tenuiflorus	Weevil  Rhenocyllus conicus	3 Release Sites
Puncture Vine <u>Tribulus</u> tenestris	Stem and Seed Weevils  Microlarinus lypriformis  Microlarinus lareyniei	10 Release Sites
Yellow Star Thistle	Weevil	10 Release Sites
Centaurea solstitialis	Bangasternus orientalis Fly Urophora sirunaseva	3 Release Sites

### PEST ERADICATION

en with the PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle <u>Cynara cardunculus</u>	Chemical - Mechanical	2
Canada Thistle Cirsium arvense	Chemical - Mechanical	1
Dyerswoad <u>Isatis tinctoria</u>	Chemical - Mechanical	<b>3</b> :
Hoarycress <u>Cardaria draba</u>	Chemical	17
Peppergrass  Lepidium latifolium	Chemical	10
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	2
Russian Knapweed <u>Centaurea repens</u>	Chemical	. #
White Horsenettle Solanum elaeagnifolium	Chemical	24
Dalmation Toadflax <u>Linaria dalmatica</u>	Chemical	9

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1992	1993				
Field Crops	\$95,640,000	\$116,076,000				
Livestock and Poultry	13,219,000*	13,526,000				
Fruit and Nut Crops		73,808,000				
Livestock and Poultry Products	29,821,000	30,596,000				
Seed Crops	9,453,000	10,446,000				
Apiary Products	1,492,000	2,262,000				
Nursery Products	2,161,000	2,374,000				
Total Agricultural Production	\$217,154,000*	\$249,088,000				
Value of Forest Products	1992	1993				
Timber	\$1,851,000	\$2,910,000				
Firewood	57,000	71,000				
Christmas Trees		29,000				
Total Forest Products	\$1,938,000	\$3,010,000				
Grand Total All Production\$219,092,000*\$252,098,000						
* Revised						

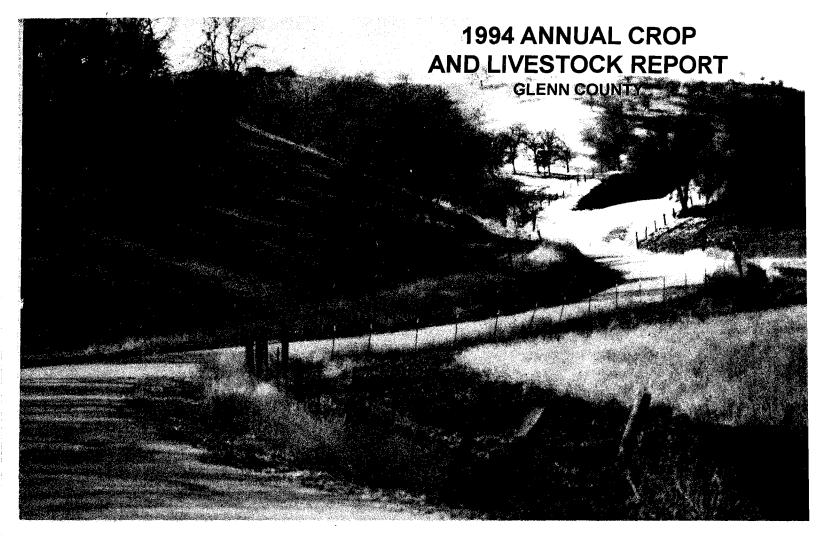
### GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Comn	nodity	1993Value
1.	Rice	\$71,312,000
2.	Almonds	33,932,000
3.	Dairy Products	30,393,000
4.	Prunes	18,639,000
5.	Cattle and Calves	12,429,000
6.	Hay, Alfalfa	12,310,000
7.	Walnuts	10,776,000
8.	Wheat	8,726,000
9.	Com	6,124,000
10.	Sugar Beets	5,373,000

### ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

### 112 YEARS - 1878 - 1992

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1916-1917	11.43	1954-1955	14.57
1879-1880	13.96	1917-1918	11.90	1955-1956	23.24
1880-1881	13.85	1918-1919	12.90	1956-1957	19.11
1881-1882	8.28	1919-1920	7.70	1957-1958	32.93
1882-1883	8.45	1920-1921	21.28	1958-1959	11.96
1883-1884	18.84	1921-1922	13.44	1959-1960	13.88
1884-1885	7.80	1922-1923	16.81	1960-1961	16.24
1885-1886	19.15	1923-1924		1961-1962	16.01
1886-1887		1924-1925	25.99	1962-1963	20.48
1887-1888		1925-1926	18.44	1963-1964	9.34
1888-1889		1926-1927	25.99	1964-1965	
1889-1890		1927-1928		1965-1966	
1890-1891		1928-1929		1966-1967	23.65
1891-1892		1929-1930		1967-1968	
1892-1893		1930-1931		1968-1969	
1893-1894		1931-1932		1969-1970	18.56
1894-1895		1932-1933	7.79	1970-1971	13.50
1895-1896		1933-1934		1971-1972	
1896-1897		1934-1935	19.62	1972-1973	25.11
1897-1898		19 <u>35-1936</u>	17.48	1973-1974	17.45
1898-1899		1936-1937	16.40	1974-1975	16.03
1899-1900		1937-1938		1975-1976	· · · · · · · · · · · · · · · · · · ·
1900-1901		1938-1939		1976-1977	
1901-1902		1939-1940	23.21	1977-1978	
1902-1903		1940-1941		1978-1979	
1903-1904	20.28	1941-1942		1979-1980	
1904-1905	24.55	1942-1943	15.68	1980-1981	
1905-1906		1943-1944		1981-1982	
1906-1907		1944-1945		1982-1983	
1907-1908		1945-1946		1983-1984	
1908-1909		1946-1947		1984-1985	
1909-1910		1947-1948		1985-1986	24.82
1910-1911		1948-1949		1986-1987	10.92
1911-1912		1949-1950		1987-1988	
1912-1913		1950-1951		1988-1989	
1913-1914		1951-1952		1989-1990	
1914-1915		1952-1953		1990-1991	
1915-1916	18.11	1953-1954	16.64	1992-1993	25.76



### GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

### 1994 ANNUAL CROP AND LIVESTOCK REPORT

### GLENN COUNTY BOARD OF SUPERVISORS

Marilyn Baker, Chairman

Keith Hansen Charles Harris Ken Burbank
Dick Mudd

#### **PERSONNEL**

Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr	Assistant Commissioner
Ernest L. Simpson	Senior Agricultural Biologist
John F. B. Tolley	Senior Agricultural Biologist
Rey Lopez	Agricultural Biologist III
Kirk Eidman	Agricultural Biologist III
Jean Miller	Agricultural Biologist III
Helmut Bloo	Agricultural Biologist I
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Rick Steward	Senior Air Pollution Specialist
Kevin Tokunaga	SeniorAir Pollution Specialist
Susie Gleason	Office Manager
Maureen Bailey	Senior Secretary
Candy Woods	Air Pollution Assistant
Colleen Gustafson	Senior Clerical Assistant
Trudy Silveira	Secretary

Cover photo - Taken west of Orland Newville Road and County Road 306 County of Glenn

### Department of Agricultu

ED ROMANO, Agricultural Commiss SEALER OF WEIGHTS & MEASI

April 05, 1995

Henry Voss, Secretary California Department of Food and Agriculture

and

The Honorable Board of Supervisors County of Glenn

The 1994 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural production for 1994 shows a gross value of \$259,603,000, an increase of \$7,488,800 from 1993. This is primarily due to an increase in rice production.

Value given in this report is gross receipts received by growers and they in no way reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the reports.

Respectfully submitted,

Ed Romano Agricultural Commissioner

ER:s

FIELD CROPS — 1993 - 1994

TIELD CHO		1333 - 133	<del>`</del>	<del></del>			<del></del>
COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1994	2,904	1.56	4530	Ton	\$114.00	\$516,000
	1993	1,953	1.09	2129	19	108.00	230,000
Beans	1994	1,629	.92	1499	**	593.73	890,000
	1993	4,018	.83	3315	77.	642.53	2,130,000
Com	1994	10,010	5.20	52,052	"	101.49	5,283,000
	1993	10,721	5.07	54,356	**	112.67	6,124,000
Hay	1994	19,275	7.93	152,815	39 -	81.57	12,465,000
Alfalfa	1993	17,585	7.00	123,095	,,	100.00	12,310,000
Hay	1994	6,500	2.50	16,250	• ••	75.00	1,219,000
Other	1993	6,759	2.30	15,546	**	80.00	1,244,000
Pasture	1994	16,575			Acre	120.00	1,989,000
Irrigated	1993	16,575			11	120.00	1,989,000
Range	1994	240,000	· • • ;		**	7.00	1,680,000
	1993	240,000			~ 99	7.00	1,680,000
Rice	1994	83,822	4.40	368,397	Ton	214.20†	78,911,000
Paddy	1993	77,424	4.30	332,923	"	214.20†	71,312,000
Silage	1994	3,060	25.00	76,500	***	28.00	2,142,000
	1993	2,092	25.00	52,000	**	30.00	1,560,000
Grain	1994	525	2.30	1,208	, **	103.67	125,000
Sorghum	1993	1,418	2.30	3,261	77	98.80	322,000
Sugar	1994	8,964	35.17	315,307	79	31.87	10,049,000
Beets	1993	8,352	23.05	192,525	19	27.91	5,373,000
Wheat	1994	27,085	2.77	75,025	. "99	106.48	7,989,000
	1993	31,760	2.60	82,576	"	105.67	8,726,000
Miscellaneous	1994	8,025	—				3,439,000
·	1993	8,674	· · · · · · · · · · · · · · · · · · ·				3,076,000
TOTALS	1994	428,374				\$1	26,697,000
·	1993	327,331				\$1	16,076,000

<sup>†</sup> Target Price ASCS Office

### VEGETABLE CROPS — 1993- 1994

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1994 1993	Included under Field Crops to avoid disclosing individual operations.					

APIARY PRODUCTS — 1993 - 1994

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1994 1993	6,000 710,000	Lb.	\$0.50 0.48	\$ 3,000 343,000
Beeswax	1994 1993	1,000 17,000	99 99	1.00 1.24*	1,000 21,000
Packaged Bees	1994 1993	101,000 108,000	99 99	4.25 4.75	429,000 513,000
Queen Bees	1994 1993	124,000 122,000	Each	5.25 4.71*	651,000 575,000
Pollination	1994 1993		State of the sta	en de la companya de	897,000 810,000
TOTALS	1994 1993				\$1,981,000 \$2,262,000

Revised

### SEED CROPS - 1993 - 1994

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	1994 1993	3,130 2,561	1,971 1,381	6,167,710 3,537,575	Lb. Lb.	\$0.37 0.35	\$2,257,000 1,253,000
Clover, all	1994 1993	3,267 3,783	325 464	1,061,905 1,753,634	,, ,,	1.39 1.40	1,476,000 2,460,000
Rice	1994 1993	2,712 2,924	9,600 8,500	26,035,200 24,854,000	11	.084 .110	2,187,000 2,734,000
Vine Crops	1994 1993	862 1,458			• • • • • • • • • • • • • • • • • • •		1,176,000 1,511,000
Wheat	1994 1993	1,158 859	5,400 5,000	6,253,200 4,295,000	64 64	.10 .14	625,000 601,000
Other Seed	1994 1993	6,833 5,184			66		3,051,000 1,904,000
TOTALS	1994 1993						\$10,772,000 \$10,463,000

### LIVESTOCK AND POULTRY — 1993 -1994

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1994 1993	28,039 21,688	205,370 162,177	Cwt.	67.70 76.64	\$13,903,000 12,429,000
Sheep and Lambs	1994 1993	7,545 15,344	7,742 15,743	)) ))	60.32 61.36	467,000 966,000
Hogs and Pigs	1994 1993	1,662 1,547	2,950 2,910	"	40.68 45.02	120,000 131,000
Poultry	1994 1993	Included under Livestock and Poultry Products to protect individual operations.				
TOTALS	1994 1993	. —	—		· · · · · · · · · · · · · · · · · · ·	\$14,490,000 \$13,526,000

### LIVESTOCK AND POULTRY PRODUCTS — 1993 - 1994

СОММОДІТУ	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1994 1993	2,833,553 2,677,931	Cwt.	11.21 11.35	\$31,769,000 30,393,000
Market	1994 1993	2,365,807 2,064,020	)) ))	11.42 11.44	27,018,000 23,609,000
Manufacturing	1994 1993	467,746 613,911	) j ) j	10.16 11.05	4,751,000 6,784,000
Wool	1994 1993	76,188 80,250	Lb.	.58 .41	44,000 33,000
Miscellaneous	1994 1993				216,000 170,000
TOTALS	1994 1993				\$32,029,000 \$30,596,000

### NURSERY PRODUCTS — 1993 - 1994

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1994	202				•	\$2,322,000
Production	1993	206					\$2,374,000

### FRUIT AND NUT CROPS — 1993- 1994

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1994 1993	17,200 16,700	.63 .51	10,918 8,517	Meat Ton	2,230.00 3,984.00	\$24,347,000 33,932,000
Almond Hulls	1994 1993			13,647 10,646	Ton	58.00 55.00	792,000 586,000
Citrus	1994 1993	890 846	11.27 11.45	10,027 9,688	55 59	272.00 263.00	2,729,000 2,548,000
Grapes	1994 1993	1092	9.17	10,014	".elosing ind	233.37	2,337,000
Olives	1994 1993	3,445 3,045	2.41 3.85	8,291 11,736	99	389.75 382.33	3,231,000 4,487,000
Prunes	1994 1993	8,420 8,217	2.39 2.02	20,135 16,568	Dry Tons	999.00 1,125. <del>0</del> 0	20,120,000 18,639,000
Pistachios	1994 1993	745 770	.35 .65	261 497	Inshell Ton	2,160:00 1,964.00	564,000 976,000
Walnuts	1994 1993	6,520 6,120	1.00 1.31	6,498 8,042	66	1,946.00 1,340.00	12,647,000 10,776,000
Miscellaneous Fruits & Nuts	1994 1993	149 1,297					171,000 1,864,000
TOTALS	1994 1993	17,962 16,769					\$66,938,000 \$73,808,000

## Production and Value of Forest Products

### FOREST PRODUCTS — 1993 - 1994

COMMODITY	YEAR	TOTAL PRODUCTION	TINU	PRICE PER UNIT	TOTAL VALUE
Timber	1994 1993	9,400,000 13,300,000	Board Feet	\$0.46 \$0.22	\$4,320,000 2,910,000
Firewood	1994 1993	519 1,086	Cord "	69.00 65.00	36,000 71,000
Christmas Trees	1994 1993	1,533 2,046	Each	12.00 14.00	18,000 29,000
TOTALS	1994 1993				\$4,374,000 \$3,010,000

## GLENN COUNTY SUSTAINABLE AGRICULTURE — 1993 - 1994 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	232	1	Grape Phylloxera
United Parcel Post		2	Ozonium Root Rot
Truck	1146	11	European Corn Borer
Other	1538	0	The Transition of the Control of the
ORIGIN CERTIFICATION	NUMBER OF		
Field Inspections	183		
Phyto Certificates Issued	1014		2

### ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT	
Almonds	4	191 Acres	
Citrus	4	55 Acres	
Fruit Production	3	3 Acres	
Com		50 Acres	
Rice	<b>3</b> -	724 Acres	
Vegetables/Herbs	7	9 Acres	

### GLENN COUNTY SUSTAINABLE AGRICULTURE — 1993 - 1994 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	7 Release Sites	
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.		
·	Beetle <u>Clitostethus arcuatus</u>	3 Release Sites	
Italian Thistle <u>Carduus</u> tenuiflorus	Weevil  Rhenocyllus conicus	3 Release Sites	
Puncture Vine Tribulus tenestris	Stem and Seed Weevils <u>Microlarinus lypriformis</u> <u>Microlarinus lareyniei</u>	13 Release Sites	
Yellow Star Thistle Centaurea solstitialis	Weevil  Bangasternus orientalis	16 Release Sites	
	Fly <u>Urophor sirunaseva</u>	5 Release Sites	

### **PEST ERADICATION**

		· · · · · · · · · · · · · · · · · · ·
PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle <u>Cynara cardunculus</u>	Chemical - Mechanical	200 <b>-9</b>
Canada Thistle <u>Cirsium</u> arvense	Chemical - Mechanical	
Dyerswoad <u>Isatis tinctoria</u>	Chemical - Mechanical	3
Hoarycress <u>Cardaria</u> <u>draba</u>	Chemical	17
Peppergrass <u>Lepidium latifolium</u>	Chemical	8
Plumeless Thistle <u>Carduus</u> acanthoides	Chemical - Mechanical	3 
Russian Knapweed <u>Centaurea</u> repens	Chemical	2
Diffused Knapweed <u>Centaurea diffusa</u>	Chemical	2
White Horsenettle Solanum elaeagnifolium	Chemical	22

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1993	1994
Field Crops	\$116,076,000	\$126,697,000
Livestock and Poultry	13,526,000	14,490,000
Fruit and Nut Crops	73,808,000	66,938,000
Livestock and Poultry Products	30,596,000	32,029,000
Seed Crops	10,463,000	10,772,000
Apiary Products		
Nursery Products		
Total Agricultural Production.	\$249,105,000	\$255,229,000
Value of Forest Products	1993	1994
Timber	\$2,910,000	\$4,320,000
Firewood	71,000	36,000
Christmas Trees	29,000	18,000
Total Forest Products	\$3,010,000	\$4,374,000
Grand Total All Production	\$252,115,000	\$259,603,000

### GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Comn	nodity	1994 Value
1.	Rice.	\$78,911,000
2	Dairy Products	32,029,000
	Almonds	
	Prunes	
	Cattle and Calves	
	Walnuts	
7.	Hay, Alfalfa	12,465,000
8.	Sugar Beets	10,049,000
9.	Wheat	7,989,000
10.	Com	5,283,000



## GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

### 1995 ANNUAL CROP AND LIVESTOCK REPORT

#### **GLENN COUNTY BOARD OF SUPERVISORS**

Gary Freeman, Chairman

Charles Harris, Sr.

Dick Mudd

Keith Hansen

Denny Bungarz

#### **PERSONNEL**

Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr	Assistant Commissioner
Ernest L. Simpson	Senior Agricultural Biologist
John F. B. Tolley	Senior Agricultural Biologist
Rey Lopez	Agricultural Biologist III
Jean Miller	Agricultural Biologist III
Helmut Bloo	Agricultural Biologist I
Bob Birdseye	Agricultural Biologist II
Rick Steward	Senior Air Pollution Specialist
Kevin Tokunaga	Senior Air Pollution Specialist
Susie Gleason	Office Manager
Maureen Bailey	Senior Secretary
Candy Woods	Air Pollution Assistant
Colleen Gustafson	Senior Clerical Assistant
Trudy Silveira	Secretary

Photo Cover: Almond Orchard in Bloom Near Ord Bend, California

#### DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 15, 1996

Ann M. Deneman, Secretary California Department of Food and Agriculture

and

The Honorable Board of Supervisors County of Glenn

The 1995 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agricultural Code.

Agriculture production for 1995 shows a gross value of \$248,986,000, a decrease of \$18,493,888 from 1994. The decrease is a direct result of the severe storms and flooding that Gienn County experienced in 1995.

Four (4) major crops were significantly effected; rice, wheat, sugar beets and almonds.

Rice yields declined resulting in a \$6,399,600 loss; sugar beet acreage was reduced by 65 percent resulting in a loss of \$7,386,600 in revenue. Rimond yields were reduced by 50 percent but an increase in price per pound allowed total almond value to remain near 1994 values.

The economical impact of these yield reductions and loss has been felt by processors, packers and especially by the employees of these industries.

Value given in this report is gross receipts received by growers and they in no way reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the report.

Respectfully submitted.

Ed Romano

Agricultural Commissioner

WRD:s

### FIELD CROPS — 1994 - 1995

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1995	1,985	1.10	2,184	Ton	\$126.60	\$276,000
	1994	2,904	1.56	4,530	"	114.00	516,000
Beans	1995	2,802	1.04	2,914	**	594.37	1,732,000
	1994	1,629	.92	1,499	**	593.73	890,000
Com	1995	10,412	5.02	52,268	**	119.00	6,220,000
	1994	10,010	5.20	52,052	**	101.49	5,283,000
Cotton Lint	1995	756	1.08	816	500ib. Bale	383.50	313,000
Cotton Seed	1995			33,864	Ton	190.00	64,000
Hay	1995	18,158	6.50	118,027	Acre	100.00	11,815,000
Alfalfa	1994	19,275	7.93	152,815	**	81.57	12,465,000
Hay	1995	4,694	2.50	11,735	Acre	75.00	880,000
Other	1994	6,500	2.50	16,250	**	75.00	1,219,000
Pasture	1995	16,575			Асте	120.00	1,989,000
Irrigated	1994	16,575			,>>	120.00	1,989,000
Range	1995	240,000			**	7.00	1,680,000
	1994	240,000			**	7.00	1,680,000
Rice	1995	84,631	4.00	338,524	Ton	214.20†	72,512,000
Paddy	1994	83,822	4.40	368,397	**		78,911.000
Safflower	1995	1,000	.75	750	33.	300.00	225,000
Silage	1995	2,900	20.00	58,000	79	22.00	1,276,000
	1994	3,606	25.00	76,500	"	28.00	2,142,000
Grain	1995	388	2.00	776	**	95.00	74,000
Sorghum	1994	525	2.30	1,208	**	103.67	125,000
Sugar	1995	3,221	25.48	82,071	"	32.45	2,663,000
Beets	1994	8,964	35.17	315,307	**	31.87	10,049,000
Wheat	1995	23,115	1.24	28,663	,,	117.14	3,358,000
	1994	27,085	2.77	75,025	"	106.48	7,989,000
Miscellaneous	1995	348					580,000
	1994	8,025					3,439,000
TOTALS	1995 1994	428,374					05,657,000 26,697,000

† Target Price ASCS Office

### **VEGETABLE CROPS — 1994 1995**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1995 1994	1696		ınder field c g individual			\$3,090,000

### **APIARY PRODUCTS — 1994- 1995**

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1995	490,000	Lb.	\$ .74	\$363,000
	1994	6,000	**	0.50	3,000
Beeswax	1995	14,000	"	1.21	17,000
	1994	1,000	"	1.00	1,000
Packaged Bees	1995	104,000	,,	4.35	452,000
	1994	101,000	"	4.25	429,000
Queen Bees	1995	121,000	Each	5.30	641,000
	1994	124,000	**	5.25	527,000*
Pollination	1995				925,000
	1994				897,000
TOTALS	1995				\$2,398,000
	1994				\$1,857,000*

\*Revised

### **SEED CROPS — 1994 - 1995**

СОММОДІТУ	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1995	185	369	68,265	Lb.	\$1.40	\$96,000
Beans	1995	3,949	1,725	6,812,025	* 77	.38	2,589,000
	1994	3,130	1,971	6,167,710	**	0.37	2,257,000
Clover, all	1995	2,894	471	1,363,140	"	1.43	1,950,000
	1994	3,267	325	1,061,905	**	1.39	1,476,000
Rice	1995	2,308	7,300	16,848,400	· <b>9</b> 9	.106	1,786,000
	1994	2,712	9,600	26,035,200	"	.084	2,187,000
Sunflower	1995	8,248	1,179	9,724,392	"	.55	5,348,000
Vine Crops	1995	1,396					905,000
	1994	862					1,176,000
Wheat	1995	550	4,690	2,577,900	 Lb.	.06	155,000
	1994	1,158	5,400	6,253,200	**	.10	625,000
Other	1995	1,710					619,000
Seed	1994	6,833					3,051,000
TOTALS	1995 1994						\$13,448,000 \$10,772,000

### LIVESTOCK AND POULTRY — 1994- 1995

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1995	26,638	195,097	Cwt.	56.50	\$11,023,000
	1994	28,039	205,370	"	67.70	13,903,000
Sheep and Lambs	1995	7,525	7,721	**	79.05	610,000
	1994	7,545	7,742	"	60.32	467,000
Hogs and Pigs	1995	1,662	2,888	**	42.51	123,000
	1994	1,662	2,950	"	40.68	120,000
Poultry	1995	Inch	ided under Liv	estock a	and Poultry F	Products
	1994				al operations.	
TOTALS	1995					\$11,756,000
	1994					\$14,490,000

### LIVESTOCK AND POULTRY PRODUCTS — 1994- 1995

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1995	2,687,198	Cwt.	11.57	\$31,078,000
	1994	2,833,553	**	11.21	31,769,000
Market	1995	2,179,989	**	11.55	25,185,000
	1994	2,365,807	,,,	11.42	27,018,000
Manufacturing	1995	507,209	99	11.62	5,893,000
	1994	467,746	<b>99</b>	10.16	4,751,000
Wool	1995	75,985	Lb.	.90	69,000
<u></u>	1994	76,188	"	.58	44,000
Miscellaneous	1995				245,000
	1994				216,000
TOTALS	1995				\$31,392,000
	1994				\$32,029,000

### NURSERY PRODUCTS — 1994- 1995

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1995	182				-	\$2,151,000
Production	1994	202					\$2,322,000

### **FRUIT AND NUT CROPS — 1994 - 1995**

сомморту	YEAR	BEARING ACREAGE	PRODUCTIO N PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1995	17,301	.32	5,536	Meat	\$5,200.00	\$28,789,000
	1994	17,200	.63	10,918	Ton	2,230.00	24,347,000
Almond Hulls	1995		•	7,750	Ton	83.75	649,000
	1994			13,647	77	58.00	792,000
Citrus	1995	805	9.05	7,285	**	260.00	1,894,000
	1994	890	11.27	10,027	**	272.00	2,729,000
Grapes	1995	1,093	8.60	9,392	79	229.69	2,157,000
	1994	1,092	9.17	10,014	**	233.37	2,337,000
Olives	1995	3,745	3.10	11,626	79	539.00	6,266,000
	1994	3,445	2.41	8,291	<b>99</b> 32 21	389.75	3,231,000
Prunes	1995	8,330	1.87	16,153	Dry	998.00	16,121,000
	1994	8,420	2.39	20,135	Tons	999.00	20,120,000
Pistachios	1995	747	1.28	956	Inshell	2,500.00	2,390,000
	1994	745	.35	261	Ton	2,160.00	564,000
Walnuts	1995	6,710	1.06	7,121	Inshell	1,220.00	8,688,000
	1994	6,520	1.00	6,498	Ton	1,964.00	12,647,000
Miscellaneous	1995	123	· · · · · · · · · · · · · · · · · · ·				177,000
Fruits & Nuts	1994	149					171,000
TOTALS	1995						\$67,129,000
	1994						\$66,938,000

## Production and Value of Forest Products

### FOREST PRODUCTS — 1994- 1995

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1995 1994	8,600,000 9,400,000	Board Feet	\$.45 \$.46	\$3,890,000 4,320,000
Firewood	1995 1994	687 519	Cord	70.00 69.00	48,000 36,000
Christmas Trees	1995 1994	1,825 1,533	Each	15.00 12.00	27,000 18,000
TOTALS	1995 1994				\$3,965,000 \$4,374,000

### GLENN COUNTY SUSTAINABLE AGRICULTURE — 1994 - 1995 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	MEJECTIONS	PEST
Postal	138		
United Parcel Service			
Truck	4357		
Other	1483		
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS		
Field Inspections	566		
Phyto Certificates Issued	2309		

### **ORGANIC FARMING**

CROP	NUMBER OF FARMS	AMOUNT
Almonds	2	128 Acres
Citrus	3	52 Acres
Corn	1	25 Acres
Fruit Production	1	3.Acres
Rice	4	1,042 Acres
Vegetables/Herbs	5	6 Acres

### GLENN COUNTY SUSTAINABLE AGRICULTURE — 1994 - 1995 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle <u>Carduus</u> tenuiflorus	Weevil Rhenocyllus conicus	3 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils <u>Microlarinus lypriformis</u> <u>Microlarinus lareyniei</u>	15 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil  Bangasternus orientalis	24.Release Sites
Centaurea soistitians	Eusteaapus villosus	5 Release Sites
•	Fly <u>Urophra sirunaseva</u>	5 Release Sites

### **PEST ERADICATION**

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle <u>Cirsium arvense</u>	Chemical - Mechanical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	1
Hoarycress <u>Cardaria</u> <u>draba</u>	Chemical	17
Peppergrass Lepidium latifolium	Chemical	8
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	3
Russian Knapweed <u>Centaurea repens</u>	Chemical	2
White Horsenettle Solanum elaeagnifolium	Chemical	22

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1994	1995
Field Crops	\$126,697,000	\$105,657,000
Livestock and Poultry	14,490,000	11,756,000
Fruit and Nut Crops	66,938,000*	67,129,000
Livestock and Poultry Products		and the second s
Seed Crops	10,772,000	13,448,000
Apiary Products	1,857,000*	2,398,000
Nursery Products	2,322,000	2,151,000
Vegetable Crops	0	3,090,000
Total Agricultural Production	\$255,105,000*	\$237,021,000
Value of Forest Products	1994	1995
Timber	\$4,320,000	\$3,890,000
Firewood	36,000	48,000
Christmas Trees	18,000	27,000
Total Forest Products	\$4,374,000	\$3,965,000
Grand Total All Production	\$259,479,000*	\$240,986,000

### **GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES**

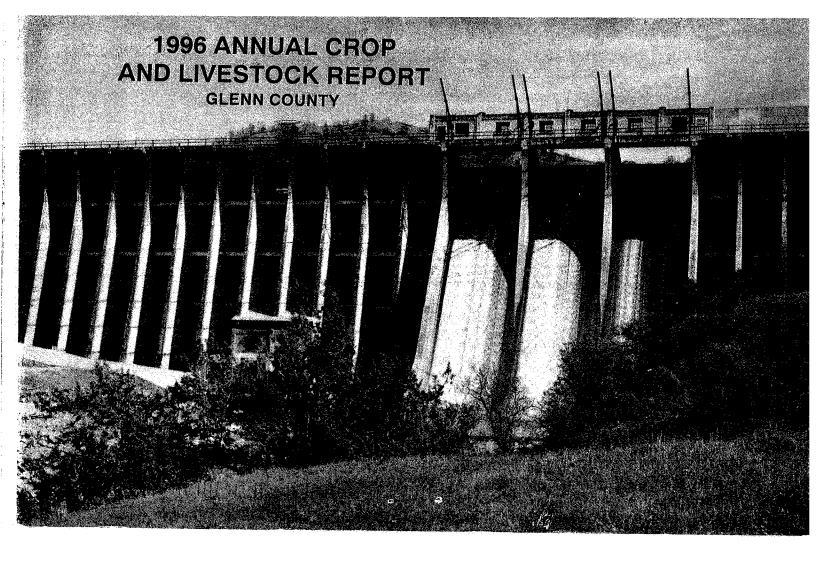
\*Revised

Com	nodity	1995 Value
1.	Rice	\$72,512,000
2.	Dairy Products	31,078,000
3.	Almonds	28,789,000
4.	Prunes	16,121,000
5.	Cattle and Calves	11,023,000
6.	Hay, Alfalfa	11,815,000
7.	Walnuts	8,688,000
8.	Olives	6,266,000
9.	Com	6,220,000
10.	Sunflower Seed	5,348,000

### ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

### 116 YEARS — 1878 - 1995

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1917-1918	11.90	1956-1957	19.11
1879-1880		1918-1919		1957-1958	32.93
1880-1881		1919-1920	7.70	1958-1959	11.96
1881-1882		1920-1921	21.28	1959-1960	13.88
1882-1883		1921-1922	13.44	1960-1961	16.24
1883-1884		1922-1923	16.81	1961-1962	16.01
1884-1885		1923-1924	8.86	1962-1963	20.48
1885-1886	19.15	1924-1925	25.99	1963-1964	9.34
1886-1887	8.07	1925-1926	18.44	1964-1965	18.75
1887-1888	8.97	1926-1927	25.99	1965-1966	13.26
1888-1889	10.30	1927-1928	17.54	1966-1967	23.65
1889-1890	29.94	1928-1929	11.46	1967-1968	
1890-1891	19.01	1929-1930	16.37	1968-1969	
1891-1892	18.82	1930-1931	9.85	1969-1970	
1892-1893	27.30	1931-1932		1970-1971	
1893-1894	11.15	1932-1933	7.79	1971-1972	
1894-1895	26.04	1933-1934	15.65	1972-1973	
1895-1896	22.18	1934-1935		1973-1974	
1896-1897	18.82	1935-1936		1974-1975	
1897-1898	6.58	1936-1937		1975-1976	
1898-1899	13.05	1937-1938	26.28	1976-1977	
1899-1900	15.23	1938-1939	6.82	<u> 1977-1978</u>	
	17.49			1978-1979	
1901-1902	21.67	1940-1941		1979-1980	
1902-1903		1941-1942		1980-1981	
1903-1904	20.28	1942-1943		1981-1982	
1904-1905		1943-1944		1982-1983	
1905-1906		1944-1945		1983-1984	
1906-1907		1945-1946		1984-1985	
	13.44	1946-1947		1985-1986	
1908-1909		1947-1948		1986-1987	
1909-1910		1948-1949		1987-1988	
1910-1911		1949-1950		1988-1989	
1911-1912		1950-1951		1989-1990	
1912-1913		1951-1952		1990-1991	
1913-1914		1952-1953		1991-1992	
1914-1915		1953-1954		1992-1993	
1915-1916		1954-1955		1993-1994	
1916-1917	11.43	1955-1956	23.24	1994-1995	34.04



## GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

### 1996 ANNUAL CROP AND LIVESTOCK REPORT

### **GLENN COUNTY BOARD OF SUPERVISORS**

Charles Harris, Sr., Chairman

Gary Freeman Keith Hansen

Dick Mudd Denny Bungarz

#### **PERSONNEL**

Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr.	Assistant Commissioner
Ernest L. Simpsons	Senior Agricultural Biologist
John F. B. Tolley	Senior Agricultural Biologist
Rey Lopez	Agricultural Biologist III
Jean Miller	Agricultural Biologist III
Helmut Bloo	Agricultural Biologist III
Bob Birdseye	Agricultural Biologist III
Rick Steward	Senior Air Pollution Specialist
Kevin Tokunaga	Senior Air Pollution Specialist
Susie Gleason	Office Manager
Marueen Bailey	•
Candy Woods	Air Pollution Assistant
Colleen Gustafson	Senior Clerical Assistant
Trudy Silveira	

Photo Cover: Stony Gorge Dam Elk Creek, California



### DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner Sealer of Weights and Measures

April 28, 1997

Ann M. Veneman, Secretary California Department of Food and Agriculture

The Honorable Board of Supervisors **County of Glenn** 

I am pleased to submit the 1996 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agricultural Code.

Agriculture continued to be the leading industry in the county with a gross value of \$263,777,000. The value of 1996 agriculture production set an all time record high in Glenn County. Rice and dairy products continue to be the leading county crops.

Values given in this report are gross receipts received by growers and they, in no way, reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the report.

Respectfully submitted,

Ed Romano Agricult Agrieultural Commissioner

WRD:dh

### FIELD CROPS - 1995-1996

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1996	1,750	2.50	4,375	Ton	\$138.00	\$604,000
,	1995	1,985	1.10	2,184	"	126.60	276,000
Beans	1996	2,499	1.04	2,599	Ħ	781.96	2,032,000
	1995	2,802	1.04	2,914	#	594.37	1,732,000
Corn	1996	17,216	5.80	99,853	Ħ ·	118.50	11,833,000
	1995	10,412	5.02	52,268	Ħ	119.00	6,220,000
Cotton, Lint	1996	1,114	2.25	2,507	500 lb.	395.00	990,000
	1995	756	1.08	816	Bale	383.50	313,000
Cotton, Seed	1996			1,040	Ton	180.00	187,000
	1995			338.64*	Ħ	190.00	64,000
Hay	1996	15,861	6.61	104,841	11	97.00	10,170,000
Alfalfa	1995	18,158	6.50	118,027	Ħ	100.00	11,815,000
Hay	1996	5,509	2.25	12,395	Ħ	75.00	930,000
Other	1995	4,694	2.50	11,735	n	75.00	880,000
Pasture	1996	16,575	<del> </del>		Acre	120.00	1,989,000
Irrigated	1995	16,575			Ħ	120.00	1,989,000
Range	1996	230,000			17	7.00	1,610,000
C	1995	240,000			n	7.00	1,680,000
Rice,	1996	83,686	3.79	317,170	Ton	215.00**	68,192,000
Paddy	1995	84,631	4.00	338,524	n	214.20 †	72,512,000
Safflower	1996	800	1.00	800	11	365.00	292,000
	1995	1,000	.75	750	**	300.00	225,000
Silage	1996	2,850	19.00	54,150	11	19.00	1,029,000
J	1995	2,900	20.00	58,000	, tt	22.00	1,276,000
Grain	1996	1,684	2.30	3,873	11	103.00	399,000
Sorghum	1995	388	2.00	776		95.00	74,000
Sugar	1996	2,373	26.62	63,169	п	34.93	2,206,000
Beets	1995	3,221	25.48	82,071	11	32.45	2,663,000
Wheat	1996	27,392	2.40	65,741	17	150.00	9,862,000
	1995	23,115	1.24	28,663	11	117.14	3,358,000
Miscellaneous	1996	211			,		591,000
	1995	348					580,000
TOTALS	1996 1995	409,520 410,985			- <del></del>		112,916,000 105,657,000

<sup>\*</sup> Revised

### **VEGETAGLE CROPS - 1995-1996**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1996	2,141	Includ	led under Field	Crops	to avoid	\$3,654,000
	1995	1,696	disc	losing individu	al oper	ations.	3,090,000

<sup>†</sup> Target Price ASCS Office

<sup>\*\*</sup> Includes USDA Support Price

### **APIARY PRODUCTS - 1995-1996**

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE	
Honey	1996	476,000	Lb.	\$ .89	\$424,000	
	1995	490,000	tt	.74	363,000	
Beeswax	1996	11,000	11	2.09	23,000	
	1995	14,000	11	1.21	17,000	
Packaged Bees	1996	98,000	. 11	7.06	692,000	
	` 19 <b>9</b> 5	104,000	**	4.35	452,000	
Queen Bees	1996	120,000	Each	7.27	872,000	
	1995	121,000	*	5.30	641,000	
Pollination	1996	· · · · · · · · · · · · · · · · · · ·			942,000	
	1995				925,000	
TOTALS	1996		1 1	٠,	\$2,953,000	
	1995				\$2,398,000	

### **SEED CROPS - 1995-1996**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1996	•			Lb.	\$ 5	 }
	1995	185	369	68,265	n	1.40	96,000
Beans	1996	3,990	1,492	5,953,080	n	.40	2,381,000
	1995	3.949	1,725	6,812,025	#1	.38	2.589,000
Clover, ali	1996	2,514	421	1,058,394	11	1.31	1,386,000
	1995	2,894	471	1,363,140	"	1.43	1,950,000
Rice	1996	2,755	7,500	20,662,500	11	.11	2,273,000
	1995	2,308	7,300	16,848,400	11	.106	1,786,000
Safflower	1996	4,432	1,421	6,297,872		.57	3,590,000
	1995	8,248	1,179	9,724,392	11	.55	5,348,000
Vine Crops	1996	2,056	· · · · · · · · · · · · · · · · · · ·				2,420,000
	1995	1,396					905,000
Wheat	1996	1,012	5,180	5,242,160	11	.10	524,000
	1995	550	4,690	2,577,900	**	.06	155,000
Other Seed	1996	2,135		· · · · · · · · · · · · · · · · · · ·			693,000
····	1995	1,710					619,000
TOTALS	1996	18,894				\$	13,267,000
	1995	21,240				\$	13,448,000

<sup>\*</sup> Included under other seed to protect individual operations.

### LIVESTOCK AND POULTRY - 1995-1996

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1996	25,839	189,244	Cwt.	\$53.00	\$10,030,000
	1995	26,638	195.097		56.50	11,023,000
Sheep and Lambs	1996	7,270	7,489	11	89.00	667,000
	1995	7,525	7,721	Ħ	79.05	610,000
Hogs and Pigs	1996	1,745	3,032	11	52.00	158,000
	1995	1,662	2,888	11	42.51	123,000
Poultry	1996	Included	under Livestock	and Po	ultry Produc	cts
· · · · · · · · · · · · · · · · · · ·	1995	to	protect individ	ual oper	ations.	
TOTALS	1996				<del> </del>	\$10,855,000
	1995					\$11,756,000

#### **LIVESTOCK AND POULTRY PRODUCTS - 1995-1996**

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1996 1995	2,669,812 2,687,198	Cwt.	\$ 13.59 11.57	\$36,289,000 31,078,000
Market	1996 1995	2.075,046 2,179,989	11 11	13.65 11.55	28,325,000 25,185,000
Manufacturing	1996 1995	594,766 507,209	11	13.39 11.62	7,964,000 5,893,000
Wool	1996 1995	73,705 75,985	Lb.	.80 .90	59,000 69,000
Miscellaneous	1996 1995				270,000 245,000
TOTALS	1996 1995		-		\$36,618,000 \$31,392,000

#### **NURSERY PRODUCTS - 1995-1996**

COMMODITY	YEAR	ACREAGE	TOTAL
			VALUE
Nursery	1996	172.5	\$2,139,000
Production	1995	182.0	\$2,151,000

## **FRUIT AND NUT CROPS - 1995-1996**

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1996	17,400	.49	8,526	Meat	\$4,075.00	\$34,743,000
	1995	17,301	.32	5,536	Ton	5,200.00	28,789,000
Almond Hulls	1996			10,658	Ton	80.00	853,000
	1995			7,750	11	83.75	649,000
Citrus	1996	761	10.93	8,318	н	242.00	2,013,000
	1995	805	9.05	7,285	11	260.00	1,894,000
Grapes	1996	1,242	6.29	7,812	. 11	507.81	3,967,000
	1995	1,093	8.60	9,392	Ħ	229.69	2,157,000
Olives	1996	3,845	3.54	13,611	(1	545.00	7,418,000
	1995	3,745	3.10	11,626	#	539.00	6,266,000
Prunes	1996	8,450	2.58	21,801	Dry	1,025.00	22,346,000
	1995	8,330	1.87	16,153	Tons	998.00	16,121,000
Pistachios	1996	748	.47	352	Inshell	2,900.00	1,021,000
	1995	747	1.28	956	Топ	2,500.00	2,390,000
Walnuts	1996	6,800	.83	5,644	11	1,570	8,861,000
	1995	6,710	1.06	7,121	. 0	1,220	8,688,000
Miscellaneous	1996	143					153,000
Fruits and Nut	s 1995	123					177,000
TOTALS	1996	39,389				<u></u>	81,375,000
	1995	38,854					67,129,000

## Production and Value of Forest Products

#### **FOREST PRODUCTS - 1995-1996**

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1996 1995	10,582,000 8,600,000	Board Feet	\$ .38 .45	\$4,021,000 3,890,000
Firewood	1996 1995	731 687	Cord "	70.00 70.00	51,000 48,000
Christmas Trees	1996 1995	1,710 1,825	Each	15.00 15.00	26,000 27,000
TOTALS	1996 1995				\$4,098,000 \$3,965,000

## GLENN COUNTY SUSTAINABLE AGRICULTURE - 1995-1996 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	84		
United Parcel Service	a ve		
Truck	2,383	2	Decollate Snail Rumina decollata
Other	1,838	2	Baby's Breath <u>Gypsophia paniculata</u>
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS		
Field Inspections	561		
Phyto Certificates Issu	ed 1,339		

#### **ORGANIC FARMING**

CROP	NUMBER OF FARMS	AMOUNT
Almonds	3	185 Acres
Citrus	4	78 Acres
Corn	1	25 Acres
Fruit Production	3	9 Acres
Rice	4	1,400.5 Acres
Vegetables/Herbs	5	56 Acres
Olives	1	36 Acres

## GLENN COUNTY SUSTAINABLE AGRICULTURE – 1995-1996 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp <u>Encarsia</u> <u>Sp.</u>	7 Release Sites
	Beetle <u>Clitostethus arcuatus</u>	3 Release Sites
Italian Thistle <u>Carduus</u> tenuifloris	Weevil <u>Rhenocyllus conicus</u>	3 Release Sites
Puncture Vine <u>Tribulus tenestris</u>	Stem and Seed Weevils <u>Micro lypriformis</u> <u>Microlarinus lareyniei</u>	19 Release Sites
Yellow Star Thistle <u>Centaurea</u> <u>solstitialis</u>	Weevil <u>Bangasternus orientalis</u> Eusteaapus villosus	25 Release Sites
	Fly <u>Urophra sirunaseva</u> <u>Chastorellia</u> australis	5 Release Sites 2 Release Sites

#### **PEST ERADICATION**

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle <u>Cirsium aruense</u>	Chemical - Mechanical	1
Dyerswoad <u>Isatis</u> tinctoria	Chemical - Mechanical	1
Hoarycress <u>Cardaria</u> <u>draba</u>	Chemical	10
Peppergrass <u>Lepidium latifolium</u>	Chemical	5
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	3
Russian Knapweed Centaurea repens	Chemical	0
White Horsenettle <u>Solanum elaeagnifolium</u>	Chemical	22
Diffuse Knapweed <u>Centaurea</u> diffuse	Chemical	2
Artichoke Thistle <u>Cynara cardunculus</u>	Mechanical	1

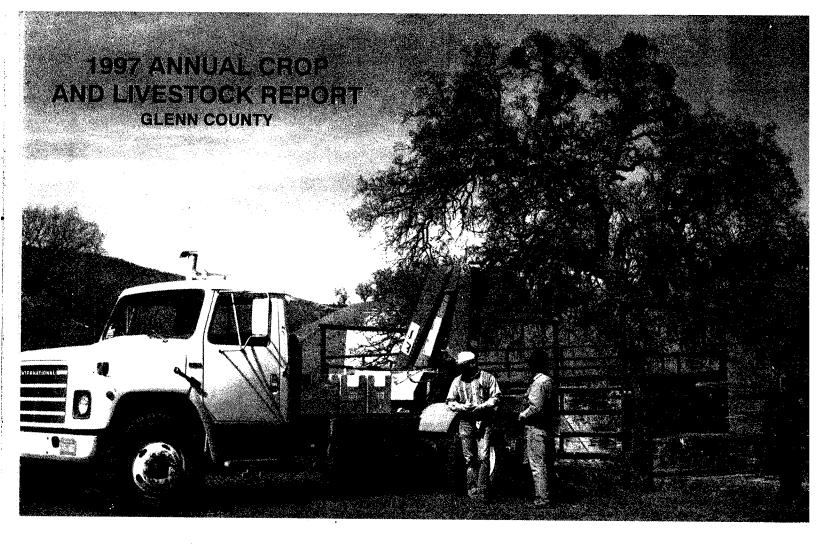
## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1995	1996
Field Crops	\$105,657,000	\$112,916,000
Livestock and Poultry	11,756,000	10,855,000
Fruit and Nut Crops	67,129,000	81,375,000
Livestock and Poultry Products	31,392,000	36,618,000
Seed Crops	13,448,000	13,267,000
Apiary Products	2,398,000	2,953,000
Nursery Products	2,151,000	2,139,000
Vegetable Crops	3,090,000	3,654,000
Total Agricultural Production	\$237,021,000	\$263,777,000
Value of Forest Products		
Timber	\$3,890,000	4,021,000
Firewood	48,000	51,000
Christmas Trees	27,000	26,000
Total Forest Products	\$3,965,000	4,098,000
Grand Total All Production	\$240,986,000	\$267,875,000
GLENN COUNTY'S LEADING	AGRICULTURAL (	COMMODITIES
Commodity		1996 Value
1. Rice, paddy	\$	68,192,000
2. Dairy Products	••••••	36,289,000
3. Almonds	• • • • • • • • • • • • • • • • • • • •	34,743,000
4. Prunes	•••••	22,346,000
5. Corn		11,833,000
6. Hay, Alfalfa		10,170,000
7. Cattle and Calves	•••••	10,030,000
8. Wheat		9,862,000
9. Walnuts	••••••	8,861,000
10.Olives	•••••••	7,418,000

## ANNUAL RAINFALL AT WILLOWS, CALFORNIA

## 117 YEARS - 1878 - 1996

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1918-1919	12.90	1958-1959	11.96
1879-1880		1919-1920		1959-1960	
1880-1881		1920-1921		1960-1961	16.24
1881-1882	8.28	1921-1922	13.44	1961-1962	16.01
1882-1883	8.45	1922-1923	16.81	1962-1963	20.48
1883-1884	18.84	1923-1924	8.86	1963-1964	9.34
1884-1885	7.80	1924-1925	25.99	1964-1965	18.75
1885-1886	19.15	1925-1926	18.44	1965-1966	13.26
1886-1887	8.07	1926-1927	25.99	1966-1967	23.65
1887-1888	8.97	1927-1928	17.54	1967-1968	15.21
1888-1889	10.30	1928-1929		1968-1969	23.25
1889-1890	29.94	1929-1930	16.37	1969-1970	18.56
1890-1891	19.01	1930-1931		1970-1971	13.50
1891-1892		1931-1932	15.01	1971-1972	7.15
1892-1893	27.30	1932-1933		1972-1973	25.11
1893-1894		1933-1934		1973-1974	
1894-1895	26.04	1934-1935	19.62	1974-1975	16.03
1895-1896		1935-1936		1975-1976	
1896-1897	18.82	1936-1937		1976-1977	
1897-1898	6.58	1937-1938			
1898-1899		1938-1939		1978-1979	
<del>- 1899-1900</del>		1939-1940		1979-1980	
1900-1901	,	1940-1941		1980-1981	
1901-1902		1941-1942		1981-1982	
1902-1903		1942-1943	4	1982-1983	
1903-1904		1943-1944	10.00	1983-1984	
1904-1905		1944-1945		1984-1985	
1905-1906		1945-1946		1985-1986	
1906-1907				1986-1987	
1907-1908		1947-1948		1987-1988	
1908-1909		1948-1949		1988-1989	
1909-1910		1949-1950		1989-1990	
1910-1911		1950-1951		1990-1991	-
1911-1912		1951-1952		1991-1992	
1912-1913		1952-1953		1992-1993	
1913-1914		1953-1954		1993-1994	
1914-1915		1954-1955		1994-1995	
1915-1916		1955-1956		1995-1996	20.39
1916-1917		1956-1957		and the second	
1917-1918	11.90	1957-1958	32.93		



## GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

## 1997 ANNUAL CROP AND LIVESTOCK REPORT

## **GLENN COUNTY BOARD OF SUPERVISORS**

Keith Hanson, Chairman

Gary Freeman Denny Bungarz

Dick Mudd Charles Harris, Sr.

#### **PERSONNEL**

Agriculture Staff:	
Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr.	Assistant Commissioner
Ernest L. Simpson	
John F. B. Tolley	
Rey Lopez	
Jean Miller	Senior Agricultural Biologist
Bob Birdseye	Agricultural Biologist III
Helmut Bloo	Agricultural Biologist III
Maureen Bailey	Office Manager
Debra Hubbard	
Sharron Lay	
Colleen Gustafson	
Air Pollution Staff:	
Kevin Tokunaga De	puty Air Pollution Control Officer
Rick Steward	
Candy Woods	•
Trudy Silveira	

Cover Photo:

Glenn County Deputy Scaler Ernest Simpson checking livestock scales. Photo by Jean Miller.

### DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner Sealer of Weights and Measures

April 1, 1998

Ann M. Veneman, Secretary California Department of Food and Agriculture

and

The Honorable Board of Supervisors County of Glenn

I am pleased to submit the 1997 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agriculture Code.

Agriculture continued to be the leading industry in the county with a gross value of \$275,284,000. The value of 1997 agriculture production set an all time record high in Glenn County. Rice and dairy products continue to be the leading county crop.

Values given in this report are gross receipts received by growers and they, in no way, reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who complied the report.

Respectfully submitted,

Romano

Agricultural Commissioner

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## FIELD CROPS -- 1996-1997

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1997	1,795	1.32	2,369	Ton	122.00	\$289,000
	1996	1,750	2.50	4,375	Ħ,	138.00	604,000
Beans	1997	2,312	1.12	2,583	"	537.00	1,387,000
	1996	2,499	1.04	2,599	0 :	781.96	2,032,000
Corn	1997	16,582	4.80	79,594	17	114.00	9,074,000
	1996	17,216	5.80	99,853	"	118.50	11,833,000
Cotton, Lint	1997	818	2.06	1,684	500 lb.	375.00	632,000
	1996	1,114	2.25	2,507	Bale	395.00	990,000
Cotton, Seed	1997			699	Ton	180.00	126,000
	1996			1,040	**	180.00	187,000
Hay	1997	16,414	7.10	116,539	11	125.00	14,567,000
∧lfalfa	1996	15,861	6.61	104,841	<b>II</b>	97.00	10,170,000
Hay	1997	6,960	3.00	20,880	11	85.00	1,775,000
Other	1996	5,509	2.25	12,395	<b>11</b> .	75.00	930,000
Pasture	1997	16,575	·····	**************************************	Acre	120.00	1,989,000
Irrigated	1996	16,575			ti .	120.00	1,989,000
Range	1997	230,000			17	7.00	1,610,000
	1996	230,000			11	7.00	1,610,000
Rice,	1997	85,768	4.25	364,514	Ton	208.00**	75,819,000
Paddy	1996	83,686	3.79	317,170	11	215.00**	68,192,000
Safflower	1997	1,000	.75	750	"	320.00	240,000
	1996	800	1.00	800	n	365.00	292,000
Silage	1997	2,464	26.00	64,064	11	21.00	1,345,000
	1996	2,850	19.00	54,150	<b>!1</b> -	19.00	1,029,000
Sunflower, Oil	1997	3,962	.61	2,417	11	1,000.00	2,417,000
Grain	1997	650	2.00	1,300	. 0	105.00	137,000
Sorghum	1996	1,684	2.30	3,873		103.00	399,000
Sugar	1997	3,997	26.38	105,436	11	35.02	3,692,000
Beets	1996	2,373	26.62	63,169	11	34.93	2,206,000
Wheat	1997	24,712	2.25	55,602	ļi	126.00	7,006,000
	1996	27,392	2.40	65,741	11	150.00	9,862,000
Miscellaneous	1997	259					607,000
	1996	211					591,000
TOTALS	1997 1996	414,268 409,520	**Includes	USDA Suppo	ort Price	,	122,712,000 112,916,000

#### **VEGETABLE CROPS – 1996-1997**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Tomatoes,	1997	957	36.85	35,272	Ton	51.57	\$1,819,000
Processing	1996*	*11	icluded under M	iscellaneous to a	void dis	sclosing indivi	idual operations
Miscellaneous	1997	51					152,000
	1996	2,141					3,654,000

## **APIARY PRODUCTS - 1996-1997**

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1997 1996	296,000 476,000	Lb.	\$ .86 .89	\$255,000 424,000
Beeswax	1997 1996	10,000 11,000	11	2.00 2.09	20,000 23,000
Packaged Bees	1997 1996	104,000 98,000	11	5.50 7.06	572,000 692,000
Queen Bees	1997 1996	101,000 120,000	Each	6.51 7.27	658,000 872,000
Pollination	1997 1996				920,000 942,000
TOTALS	1997 1996				\$2,425,000 \$2,953,000

## **SEED CROPS - 1996-1997**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	I TOTAL PRODUCTION	UNIT	PRICE PER UN	
Beans	1997	4,171	1,608	6,706,319	Lb.	\$ .34	
	1996	3,990	1,492	5,953,080	17	.40	2,381,000
Clover, all	1997	2,123	475	1,009,121	11	1.42	2 1,436,000
<u> </u>	1996	2,514	421	1,058,394	11	1.31	1,386,000
Rice	1997	2,992	8,500	25,432,000	"	.14	3,560,000
	1996	2,755	7,500	20,662,500	Ħ	.11	2,273,000
Sunflower	1997	5,704	1,216	6,938,723	11	.62	4,280,000
	1996	4,432	1,421	6,298,900	11	.57	7 3,590,000
Vine Crops	1997	1,888					2,580,000
	1996	2,056		<u></u>			2,420,000
Wheat	1997	979	4,700	4,601,300	11	.07	7 322,000
	1996	1,012	5,180	5,242,160	11	.10	524,000
Other Seed	1997	1,144			·		1,196,,000
	1996	2,135				,-t	693,000
TOTALS	1997 1996	19,001 18,894	•				\$15,654,000 \$13,267,000

## **LIVESTOCK AND POULTRY - 1996-1997**

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1997	26,379	193,094	Cwt.	\$61.00	\$11,779,000
	1996	25,839	189,244	н	53.00	10,030,000
Sheep and Lambs	1997	7,300	7,519	11	91.60	689,000
en e	1996	7,270	7,489	11	89.00	667,000
Hogs and Pigs	1997	1,798	3,100	11	54.70	170,000
	1996	1,745	3,032		52.00	158,000
Poultry	1997	Included u	ınder Livestocl	and Po	ultry Produc	cts
	1996		protect individ		•	
TOTALS	1997	· · · · · · · · · · · · · · · · · · ·				\$12,638,000
Y - 1	1996		r 471		Value of the second	\$10,855,000

#### **LIVESTOCK AND POULTRY PRODUCTS - 1996-1997**

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1997 1996	3,124,585 2,669,812	Cwt.	\$ 12.34 13.59	\$38,568,000 36,289,000
Market	1997 1996	2,594,143 2,075,046	11 · · · · · · · · · · · · · · · · · ·	12.42 13.65	32,207,000 28,325,000
Manufacturing	1997 1996	530,442 594,766	u ú	11.99 13.39	6,361,000 7,964,000
Wool	1997 1996	73,960 73,705	Lb.	.68 .80	50,000 59,000
Miscellaneous	1997 1996				220,000 270,000
TOTALS	1997 1996				\$38,838,000 \$36,618,000

#### **NURSERY PRODUCTS - 1996-1997**

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Nursery	1997	200.5	\$2,438,000
Production	1996	172.5	\$2,139,000

### **FRUIT AND NUT CROPS - 1996-1997**

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1997	17,808	.61	10,931	Meat	\$2,985.00	\$32,630,000
	1996	17,400	.49	8,526	Ton	4,075.60	34,743,000
Almond Hulls	1997			13,664	Ton	80.00	1,093,000
·· · ·	1996		* 	10,658	11	80.00	853,000
Citrus	1997	721	10.71	7,720	11	259.00	2,000,000
	1996	761	10.93	8,318	11	242.00	2,013,000
Grapes	1997	1,418	9.8	13,890	**	383.59	5,328,000
	1996	1,242	6.29	7,812	11	507.81	3,967,000
Olives	1997	3,845	4.56	17,550	11	614.54	10,785,000
	1996	3,845	3.54	13,611	11	545.00	7,418,000
Prunes	1997	8,221	2.33	19,179	Dry	695.00	13,329,000
	1996	8,450	2.58	21,801	Tons	1,025.00	22,346,000
Pistachios	1997	745	1.08	810	Inshell	2,435.00	1,975,000
	1996	748	.47	352	Ton	2,900.00	1,021,000
Walnuts	1997	5,836	1.40	8,176	. 11	1,375.00	11,250,000
	1996	6,800	.83	5,644	II	1,570.00	8,861,000
Miscellaneous	1997	132					218,000
Fruits and Nut	s 1996	143					153,000
TOTALS	1997	38,726	<u></u>				\$78,608,000
	1996	39,389					\$81,375,000

## Production and Value of Forest Products

### **FOREST PRODUCTS - 1996-1997**

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1997 1996	8,085,000 10,582,000	Board Feet	\$ .36 .38	\$2,911,000 4,021,000
Firewood	1997 1996	776 731	Cord "	75.00 70.00	58,000 51,000
Christmas Trees	1997 1996	1,528 1,710	Each	15.00 15.00	23,000 26,000
TOTALS	1997 1996				\$2,992,000 \$4,098,000

## GLENN COUNTY SUSTAINABLE AGRICULTURE – 1996-1997 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	478	0	
United Parcel Service	· · · · · · · · · · · · · · · · · · ·	0	
Truck	2,566	0	
Other	773	0	
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS		
Field Inspections	560		
Phyto Certificates Issu	ed 1,191		

#### **ORGANIC FARMING**

CROP	NUMBER OF FARMS	AMOUNT
Almonds	4	193 Acres
Citrus	5	211 Acres
Safflower	20 1 1 00 00 00 00 00 00 00 00 00 00 00 0	9 Acres
Fruit Production	5	29 Acres
Rice	4	1,515 Acres
Vegetables/Herbs	3	19 Acres

## GLENN COUNTY SUSTAINABLE AGRICULTURE - 1996-1997 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp <u>Encarsia</u> <u>Sp.</u>	Established
• •	Beetle <u>Clitostethus arcuatus</u>	Established
Italian Thistle <u>Carduus tenuifloris</u>	Weevil <u>Rhenocyllus conicus</u>	Established
Puncture Vine <u>Tribulus tenestris</u>	Stem and Seed Weevils <u>Micro lypriformis</u> <u>Microlarinus lareyniei</u>	Established
Yellow Star Thistle <u>Centaurea solstitialis</u>	Weevil <u>Bangasternus orientals</u> <u>Eustenopus villosus</u>	Established Established
	Fly <u>Urophra sirunaseva</u> <u>Chastorellia australis</u>	Established Established

### **PEST ERADICATION**

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle Cirsium arvense	Chemical - Mechanical	1
Dyerswoad <u>Isatis tinctoria</u>	Chemical - Mechanical	
Hoarycress <u>Cardaria</u> <u>draba</u>	Chemical	12
Peppergrass <u>Lepidium latifolium</u>	Chemical	16
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	3
Russian Knapweed Centaurea repens	Chemical	0
White Horsenettle Solanum elacagnifolium	Chemical	28
Diffuse Knapweed <u>Centaurea diffuse</u>	Chemical	0
Artichoke Thistle <u>Cynara cardunculus</u>	Mechanical	2

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1996	1997
Field Crops	\$112,916,000	. \$122,712,000
Livestock and Poultry	10,855,000	12,638,000
Fruit and Nut Crops	81,375,000	78,608,000
Livestock and Poultry Products	36,618,000	38,838,000
Seed Crops	13,267,000	15,654,000
Apiary Products	2,953,000	2,425,000
Nurscry Products	2,139,000	2,438,000
Vegetable Crops	3,654,000	1,971,000
Total Agricultural Production	\$263,777,000	\$275,284,000
Value of Forest Products		
Timber	\$4,021,000	2,911,000
Firewood	51,000	58,000
Christmas Trees	26,000	23,000
Total Forest Products	\$4,098,000	2,992,000
Grand Total All Production	\$267,875,000	\$278,276,000
GLENN COUNTY'S LEADING	AGRICULTURAL C	OMMODITIES
Commodity	1	997 Value
1. Rice, paddy	\$	75,819,000
2. Dairy Products		38,568,000
3. Almonds		32,630,000
4. Hay, Alfalfa		14,567,000
5. Prunes		13,329,000
6. Cattle and Calves		11,779,000
7. Walnuts		11,250,000
8. Olives		10,785,000
9. Corn		9,074,000

10. Wheat ...... 7,006,000

#### 119 YEARS - 1878 - 1997

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1918-1919	12.90	1958-1959	11.96
1879-1880		1919-1920	7.70	1959-1960	13.88
1880-1881	13.85	1920-1921	21.28	1960-1961	16.24
1881-1882	8.28	1921-1922	13.44	1961-1962	16.01
1882-1883	8.45	1922-1923	16.81	1962-1963	20.48
1883-1884	18.84	1923-1924	8.86	1963-1964	9.34
1884-1885	7.80	1924-1925	25.99	1964-1965	18.75
1885-1886	19.15	1925-1926	18.44	1965-1966	13.26
1886-1887	8.07	1926-1927	25.99	1966-1967	23.65
1887-1888	8.97	1927-1928	17.54	1967-1968	15.21
1888-1889	10.30	1928-1929	11.46	1968-1969	23.25
1889-1890	29.94	1929-1930	16.37	1969-1970	18.56
1890-1891	19.01	1930-1931	9.85	1970-1971	13.50
1891-1892	18.82	1931-1932	15.01	1971-1972	7.15
1892-1893	27.30	1932-1933	7.79	1972-1973	25.11
1893-1894	11.15	1933-1934		1973-1974	17.45
1894-1895	26.04	1934-1935	19.62	1974-1975	16.03
1895-1896	22.18	1935-1936	17.48	1975-1976	6.30
1896-1897	18.82	1936-1937	16.40	1976-1977	8.46
1897-1898		1937-1938	26.28	1977-1978	25.72
1898-1899	13.05	1938-1939	6.82	1978-1979	14.97
1899-1900	15.23	1939-1940	23.21	1979-1980	26.95
1900-1901	17.49	1940-1941	40.50	1980-1981	
1901-1902		1941-1942	24.07	1981-1982	25.58
1902-1903	17.10	1942-1943	15.68	1982-1983	37.25
1903-1904	20.28	1943-1944	13.52	1983-1984	20.47
1904-1905	24.55	1944-1945	16.94	1984-1985	14.89
1905-1906		1945-1946		1985-1986	
1906-1907		1946-1947	12.28	1986-1987	10.92
1907-1908		1947-1948	19.56	1987-1988	15.86
1908-1909	22.09	1948-1949	15.59	1988-1989	10.12
1909-1910	· · · · · · · · · · · · · · · · · · ·	1949-1950	10.32	1989-1990	12.71
1910-1911		1950-1951	17.48	1990-1991	
1911-1912		1951-1952		1991-1992	
1912-1913		1952-1953		1992-1993	
1913-1914		1953-1954		1993-1994	
1914-1915	· · · · · · · · · · · · · · · · · · ·	1954-1955		1994-1995	
1915-1916	<del>-</del>	1955-1956		1995-1996	
1916-1917		1956-1957		1996-1997	20.52
1917-1918	11.90	1957-1958	32.93		



## GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

### 1998 ANNUAL CROP AND LIVESTOCK REPORT

#### **GLENN COUNTY BOARD OF SUPERVISORS**

Denny Bungarz, Chairman

Keith Hansen Charles Harris, Sr. Gary Freeman Dick Mudd

#### **PERSONNEL**

Agriculture Staff:	
Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr	Assistant Commissioner
Ernest L. Simpson	Deputy Commissioner
	Senior Agricultural Biologist
	Senior Agricultural Biologist
Jean Miller	Senior Agricultural Biologist
Bob Birdseye	Agricultural Biologist III
	Agricultural Biologist III
Maureen Bailey	Office Manager
	Senior Secretary
	Secretary
Air Pollution Staff:	
Kevin Tokunaga	Deputy Air Pollution Control Officer
	Senior Air Pollution Specialist
	Administrative Assistant
Trudy Silveira	Air Pollution Assistant
	Senior Clerical Assistant

Cover Photo: Rice Field in Glenn County Photo by Jean Miller.

William (Bill) J. Lyons, Jr., Secretary California Department of Food and Agriculture

and

The Honorable Board of Supervisors County of Glenn

I am pleased to submit the 1998 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agriculture Code.

Agriculture Production took a beating due to the record 41.62 inches of rainfall. The value of 1998 agricultural production was down a devastating \$52,000,000 with field crop production and fruit and nut crops showing the largest decrease in production. Only livestock products, timber products, nursery products and apiary products showed a rise in production. We will all look back on 1998 and say thank goodness it is history.

Values given in this report are gross receipts received by growers and they, in no way, reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who complied the report.

Respectfully submitted,

Ed Romano

**Agricultural Commissioner** 

FIELD CROPS - 1997-1998

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1998 1997	1,696 1,795	1.20 1.32	2,035 2,369	Ton	85.00 122.00	\$173,000 289,000
Beans	1998 1997	1,632 2,312	.88 1.12	1,428 2,583	17	931.22 537.00	1,330,000 1,387,000
Corn	1998 1997	19,522 16,582	4.50 4.80	87,849 79,594	11 11	82.00 114.00	7,204,000 9,074,000
Cotton, Lint	1998 1997	789 818	1.75 2.06	1,382 1,684	500 lb. Bale		510,000 632,000
Cotton, Seed	1998 1997			587 699	Ton	190.00 180.00	112,000
Hay Alfalfa	1998 1997	16,959 16,414	4.20 7.10	71,228 116,539	11	90.00 125.00	6,411,000 14,567,000
Hay Other	1998 1997	4,473 6,960	1.90	8,499 20,880	11	70.00 85.00	595,000 1,775,000
Pasture Irrigated	1998 1997	15,500 16,575		<b>20,000</b>	Acre	120.00 120.00	1,860,000 1,989,000
Range	19978 1997	230,000 230,000			11	7.00 7.00	1,610,000 1,610,000
Rice, Paddy	1998 1997	81,820 85,768	3.50 4.25	286,370 364,514	Ton	244.00** 208.00**	69,874,000 75,819,000
Safflower	1998 1997	1,500 1,000	.60 .75	900 750	ıı	300.00 320.00	270,000 240,000
Silage	1998 1997	2,850 2,464	20.00 26.00	57,000 64,064	11	22.00 21.00	1,254,000 1,345,000
Grain Sorghum	1998 1997	419 650	2.80 2.00	1,173 1,300	11	86.00 105.00	101,000 173,000
Sugar Beets	1998 1997	950 3,997	21.24 26.38	20,181 105,436	11	35.08 35.02	708,000 3,692,000
Sunflower Oil	1998 1997	3,962	.61	2,417	" 1	,000,000	2,417,000
Wheat	1998 1997	20,486 24,712	1.50 2.25	30,729 55,602	11	90.00 126.00	2,766,000 7,006,000
Miscellaneous	1998 1997	200 259	<del> </del>	<del>i musiki</del>			453,000 607,000
TOTALS	1998 1997	398,796 414,268	**Includes	USDA Suppo	rt Price	,	\$95,231,000 122,712,000
VEGETAB	LE CI	ROPS - 1	997-1998				
COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Tomatoes, Processing	1998 * 1997	*Inc 957	luded under Mise 36.85	cellaneous to avo	oid discl Ton	-	al operations \$1,819,000
	1997	437 51			is in the state		152,000
Totals	1998						920.000

## **APIARY PRODUCTS - 1997-1998**

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1998 1997	650,000 296,000	Lb.	\$ .61 .86	\$396,000 255,000
Beeswax	1998 1997	9,000 10,000	n	1.78 2.00	16,000 20,000
Packaged Bees	1998 1997	101,000 104,000	11	6.04 5.50	610,000 572,000
Queen Bees	1998 1997	85,000 101,000	Each	7.22 6.51	614,000 658,000
Pollination	1998 1997	······································			987,000 920,000
TOTALS	1998 1997	:			\$2,425,000 \$2,953,000

#### **SEED CROPS - 1997-1998**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT		RICE R UNIT	TOTAL VALUE
Beans	1998	3,028	1,694	4,548,915	Lb.	\$	.32	\$1,445,000
	1997	4,171	1,608	6,706,319	11		.34	2,280,000
Clover, all	1998	1,284	495	636,017	tt		1.44	914,000
	1997	2,123	475	1,009,121	91		1.42	1,436,000
Rice	1998	2,408	7,000	16,856,000	Ð		.15	2,528,000
	1997	2,992	8,500_	25,432,000	#		.14	3,560,000
Sunflower	1998	8,269	886	7,328,295	11		.55	4,039,000
<u> </u>	1997	5,704	1,216	6,938,723	1)		.62	4,280,000
Vine Crops	1998	2,383	,					2,849,000
	1997	1,888						2,580,000
Wheat	1998		Incl	uded under mise	cellaneo	ous		
	1997	979	4,700	4,601,300	н		.07	322,000
Other Seed	1998	1,882						1,633,000
	1997	1.144	····	····				1.196.000
TOTALS	1998 1997	19,254 19,001					-	13,408,000 15,654,000

## **Production and Value of Agricultural Products LIVESTOCK AND POULTRY – 1997-1998**

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1998	25,324	185,372	Cwt.	\$61.00	\$11,308,000
	1997	26,379	193,094	11	63.00 *	12,165,000 *
Sheep and Lambs	1998	7,081	7,293	lt.	74.80	546,000
	1997	7,300	7,519	11	91.60	689,000
Hogs and Pigs	1998	1,710	2,941	11	34.00	100,000
11080	1997	1,798	3,100	11	54.70	170,000
Poultry	1998	Included	under Livestock	and Po	ultry Produ	cts
	1997	to	protect individ	ual ope	rations.	
TOTALS	1998					\$11,954,000
= +	1997					\$13,024,000

<sup>\*</sup> Revised

## LIVESTOCK AND POULTRY PRODUCTS - 1997-1998

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE TOTAL PER UNIT VALUE
Milk, all	1998 1997	3,110,909 3,124,585	Cwt.	\$ 14.78 \$45,977,000 12.34 38,568,000
Market	1998 1997	2,520,537 2,594,143	11	14.80 37,300,000 12.42 32,207,000
Manufacturing	1998 1997	590,371 530,442	11 11	14.70 8,676,000 11.99 6,361,000
Wool	1998 1997	71,731 73,960	Lb.	.40 29,000 .68 50,000
Miscellaneous	1998 1997			226,000 220,000
TOTALS	1998 1997			\$46,232,000 \$38,838,000

## NURSERY PRODUCTS - 1997-1998

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Nursery	1998	220	\$2,583,000
Production	1997	200.5	\$2,438,000
Nursery Product	1998	220	\$2,583,000
Total	1997	200.5	\$2,438,000

**FRUIT AND NUT CROPS – 1997-1998** 

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1998	21,339	.39	8,322	Meat	\$2,925.00	\$24,342,000
	1997	17,808	.61	10,931	Ton	2,985.00	32630,000
Almond Hulls	1998			10,151	Ton	80.00	812,000
	1997				Ħ	80.00	1,093,000
Citrus	1998	712	1.62	1,154	u	510.00	588,000
	1997	721	10.71	7,720	и	259.00	2,003,000
Grapes	1998	1,349	6.20	8,347	11	286.81	2,394,000
-	1997	1,418	9.80	13,890	"	383.59	5,328,000
Olives	1998	4,165	2.24	9,330	11	449.00	4,189,000
	1997	3,845	4.56	17,550	11	614.54	10,785,000
Pistachios	1998	746	.40	295	Inshell	1,885.00	556,000
	1997	745	1.08	810	Ton	2,435.00	1,975,000
Prunes	1998	7,516	1.18	8,850	Dry	752.00	6,655,000
	1997	8,221	2.33	19,179	Ton	695.00	13,329,000
Walnuts	1998	6,231	.96	5,989	Inshell	1,050.00	6,288,000
	1997	5,836	1.40	8,176	Ton	1,375.00	11,250,000
Miscellaneous	1998	132					165,000
Fruits and Nuts	s 1997	143					218,000
TOTALS	1998	41,353				<del></del>	\$45,989,000
	1997	38,726					\$78,608,000

## **Production and Value of Forest Products**

**FOREST PRODUCTS - 1997-1998** 

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE	
Timber	1998 1997	18,944,000 8,085,000	Board Feet	\$ .37 .36	\$7,009,000 2,911,000	
Firewood	1998 1997	750 776	Cord	85.00 75.00	64,000 58,000	
Christmas Trees	1998 1997	1,610 1,528	Each	20.00 15.00	32,000 23,000	
TOTALS	1998 1997				\$7,105,000 \$2,992,000	

## GLENN COUNTY SUSTAINABLE AGRICULTURE - 1997-1998 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	410	0	
United Parcel Service	0	0	
Truck	2,654	0	
Other	1,704	0	
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS		
Field Inspections	371		
Phyto Certificates Issue	ed 1,074		

#### **ORGANIC FARMING**

CROP	NUMBER OF FARMS	AMOUNT
Almonds	3	112 Acres
Citrus	<b>5</b>	127 Acres
Pasture	1	10 Acres
Fruit Production	4	29 Acres
Rice	9	2,117 Acres
Vegetables/Herbs	2	10 Acres

# Production and Value of Agricultural Products GLENN COUNTY SUSTAINABLE AGRICULTURE – 1997-1998 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE	
Ash White Fly <u>Siphonius phillyreae</u>	Wasp <u>Encarsia</u> <u>Sp.</u>	Established	
	Beetle <u>Clitostethus arcuatus</u>	Established	
Italian Thistle <u>Carduus</u> <u>tenuifloris</u>	Weevil <u>Rhenocyllus</u> conicus	Established	
Puncture Vine <u>Tribulus tenestris</u>	Stem and Seed Weevils <u>Micro lypriformis</u> <u>Microlarinus lareyniei</u>	Established	
Yellow Star Thistle <u>Centaurea solstitialis</u>	Weevil <u>Bangasternus orientals</u> <u>Eustenopus villosus</u>	Established Established	
	Larinus curtus Fly	1 Release Site	
	<u>Urophra sirunaseva</u> <u>Chastorellia australis</u>	Established Established	

#### **PEST ERADICATION**

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle <u>Cirsium arvense</u>	Chemical - Mechanical	1
Dyerswoad <u>Isatis</u> <u>tinctoria</u>	Chemical - Mechanical	1
Hoarycress <u>Cardaria</u> <u>draba</u>	Chemical	12
Peppergrass <u>Lepidium</u> <u>latifolium</u>	Chemical	17
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	3
Russian Knapweed <u>Centaurea repens</u>	Chemical	2
White Horsenettle Solanum elaeagnifolium	Chemical	28
Diffuse Knapweed <u>Centaurea diffuse</u>	Chemical	0
Artichoke Thistle <u>Cynara cardunculus</u>	Mechanical	2

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1997	1998
Field Crops	\$122,712,000	\$95,231,000
Livestock and Poultry		
Fruit and Nut Crops		
Livestock and Poultry Products	38,838,000	46,232,000
Seed Crops	15,654,000	13,408,000
Apiary Products	2,425,000	2,623,000
Nursery Products	2,438,000	2,538,000
Vegetable Crops	1,971,000	920,000
Total Agricultural Production	\$275,670,000	\$218,940,000
Value of Forest Products		
Timber	\$2,911,000	\$7,009,000
Firewood	a .	
Christmas Trees	the second of th	
Total Forest Products	\$2,992,000	7,105,000
Grand Total All Production	\$278,662,000	\$226,045,000
GLENN COUNTY'S LEADING	AGRICULTURAL	
Commodity		1998 Value
1. Rice, paddy	***************************************	\$69,874,000
2. Dairy Products	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. 45,977,000
3. Almonds		. 24,342,000
4. Cattle and Calves		. 11,308,000
5. Corn		7,204,000
6. Prunes	***************************************	6,655,000
7. Hay, Alfalfa	***************************************	6,411,000
8. Walnuts		6,288,000
9. Olives	***************************************	4,189,000
10. Sunflower Seed		4,039,000

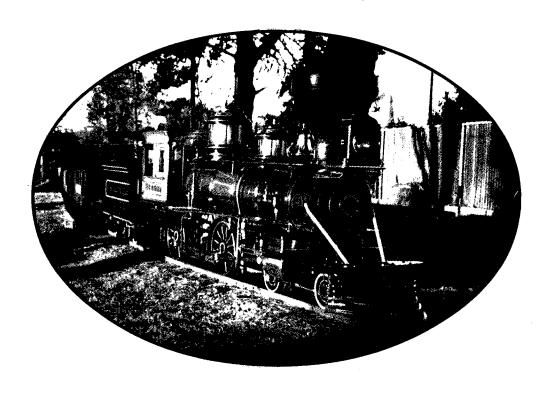
## ANNUAL RAINFALL AT WILLOWS, CALFORNIA

## 120 YEARS - 1878 - 1998

Year	Inches	Year	Inches	Year	Inches
1878-1879.	7.01	1918-1919	12.90	1958-1959.	11.96
1879-1880.	13.96	1919-1920	7.70		13.88
1880-1881.	13.85	1920-1921	21.28	1960-1961.	16.24
1881-1882.	8.28	1921-1922	13.44	1961-1962.	16.01
1882-1883.	8.45	1922-1923	16.81	1962-1963.	20.48
1883-1884.	18.84	1923-1924	8.86	1963-1964.	9.34
1884-1885.	7.80	1924-1925	25.99	1964-1965.	18.75
1885-1886.	19.15	1925-1926	18.44	1965-1966.	13.26
1886-1887.	8.07	1926-1927	25.99	1966-1967.	23.65
1887-1888.	8.97	1927-1928	17.54	1967-1968.	15.21
1888-1889.	10.30	1928-1929	11.46	1968-1969.	23.25
1889-1890	29.94	1929-1930	16.37	1969-1970.	18.56
1890-1891	19.01	1930-1931	9.85	1970-1971.	13.50
1891-1892	18.82	1931-1932	15.01	1971-1972.	7.15
1892-1893	27.30	1932-1933		1972-1973.	25.11
1893-1894	11.15	1933-1934	15.65	1973-1974.	17.45
1894-1895	26.04	1934-1935	19.62	1974-1975.	16.03
1895-1896	22.18	1935-1936		1975-1976.	6.30
	18.82	1936-1937	16.40	1976-1977.	8.46
1897-1898		1937-1938	26.28	1977-1978.	25.72
1898-1899		1938-1939	6.82	1978-1979	14.97
1899-1900		1939-1940		1979-1980	26.95
1900-1901		1940-1941			18.76
1901-1902		1941-1942			25.58
1902-1903		1942-1943			37.25
1903-1904		1943-1944			20.47
1904-1905		1944-1945			14.89
1905-1906		1945-1946		1985-1986	
1906-1907		1946-1947			10.92
1907-1908		1947-1948		1987-1988	
1908-1909		1948-1949		1988-1989	
1909-1910		1949-1950		1989-1990	
1910-1911		1950-1951		1990-1991	
1911-1912		1951-1952		1991-1992	
1912-1913		1952-1953		1992-1993	
1913-1914		1953-1954		1993-1994	
1914-1915		1954-1955		1994-1995	
1915-1916		1955-1956		1995-1996	
1916-1917		1956-1957		1996-1997	
1917-1918	11.90	1957-1958	32.93	1997-1998	41.62

## 1999 ANNUAL CROP AND LIVESTOCK REPORT

**GLENN COUNTY** 



### THE ORLAND NEWVILLE AND PACIFIC RAILROAD

Miniature Railroad has Home in Glenn County

A finely built scale replica of an 1880's narrow gauge freight train has been delighting young and young at heart for eight years at the Glenn County Fairgrounds in Orland. The 15" gauge, 5" scale engine, built by Frank Allen of Orland, is a working steam locomotive in miniature, an exact scale replica of an engine on display at the California State Railroad Museum. The track was laid with the manual labor of local volunteers. Passengers roll past historic buildings and displays, pass over a bridge and through a tunnel and then wind through a picnic area and citrus grove. Scale railways such as this one are a rare attraction and Glenn County is privileged to host this one.

Photo courtesy of Orland Newville and Pacific Railroad

## GLENN COUNTY DEPARTMENT OF AGRICULTURE

P. O. Box 351 720 North Colusa Street WILLOWS, CALIFORNIA 95988

## 1999 ANNUAL CROP AND LIVESTOCK REPORT

## **GLENN COUNTY BOARD OF SUPERVISORS**

Denny Bungarz, Chairman

Keith Hansen Charles Harris, Sr. Gary Freeman Dick Mudd

#### **PERSONNEL**

Agriculture Staff:	
Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr.	Assistant Commissioner
Ernie Simpson	Deputy Commissioner
John F. B. Tolley	Senior Agricultural Biologist
Rey Lopez	Senior Agricultural Biologist
Jean Miller	Senior Agricultural Biologist
Bob Birdseye	Senior Agricultural Biologist
Helmut Bloo	Senior Agricultural Biologist
Maureen Bailey	Office Manager
Debra Hubbard	Administrative Assistant
Tina Brothers	Senior Secretary
Air Pollution Staff:	
Kevin Tokunaga	Program Manager
Rick Steward	Program Manager
Candy Woods	Administrative Analyst
Trudy Silveira	Technician
Colleen Gustafson	Senior Clerical Assistant
Patrick Way	Air Pollution Specialist

May 1, 2000

William (Bill) J. Lyons, Jr., Secretary California Dept. of Food and Agriculture

and

The Honorable Board of Supervisors County of Glenn

I am pleased to submit the 1999 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Food & Agriculture Code. This report summarizes the acreage, production and value of Glenn County's agricultural and forest commodities.

With 1999's mild winter, long spring and moderate summer, Glenn County made a comeback from the devastating previous year. Production was up but, alas, prices were down.

The county's leading crop, rice, had an increased value of \$20,367,000 (+29%) while prunes increased their value by \$8,056,000 (+121%). Both dairy products and almonds, Glenn County's second and third leading commodities, had decreased values for 1999 (\$4,233,000 (-10%) and \$5,784,000 (-31%) respectively.

Vegetable crops were up due to increased acreage but honey was down considerably due to no extra surpluses available.

The 1999 gross production was valued at \$262,606,000. This is a \$36 million increase in gross value when compared with the 1998 figures. With the cooperation of the weather and the continued hard work of the farmers of Glenn County, we can look forward to success in the new millennium.

Values given in this report are gross receipts received by growers and they, in no way, reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who complied the report.

Respectfully submitted,

Ed Romano

Agricultural Commissioner

FIELD CROPS - 1998-1999

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1999		icluded under i				
	1998	1,696	1.20	2,036	Ton	85.00	173,000
Beans	1999	1,380	.87	1,200	11	562.00	674,000
	1998	1,632	.88	1,428	"	931.22	1,330,000
Corn	1999	15,685	5.50	86,268	11	85.00	7,333,000
·	1998	19,522	4.50	87,849	er .	82.00	7,204,000
Cotton, Lint	1999	598	2.36	1,411	500 lb.	368.00	520,000
	1998	789	1.75	1,382	Bale	369.17	510,000
Cotton, Seed	1999			600	Ton	150.00	90,000
Cotton, Scott	1998			587	1011	190.00	112,000
17	1999	14 226	7.00	<del></del>			r -
Hay Alfalfa	1999	14,236 16,959	4.20	99,652		80.00 90.00	7,972,000
<del></del>				71,228	<del></del>		6,411,000
Hay	1999	3,030	2.50	7,575	11	60.00	454,000
Other	1998	4,473	1.90	8,499	.11	70.00	595,000
Pasture	1999	16,270		•	Acre	120.00	1,952,000
Irrigated	1998	15,500		n 150 5 5 5	H	120.00	1,866,000
Range	1999	230,000		en e	n,	7.00	1,610,000
	1998	230,000	i Karatan Kabupatèn		e e	7.00	1,610,000
Rice, **	1999	82,980	3.75	311,175	Ton	290.00	90,241,000
Paddy	1998	81,820	3.50	286,370	11	244.00	69,874,000
Safflower	1999	1,650	.75	1,125	11	300.00	371,000
	1998	1,500	.60	900	. #1	300.00	270,000
Silage	1999	2,600	28.00	72,800		20.00	1,456,000
Shage	1998	2,850	20.00	57,000	11 .	22.00	1,254,000
		316	2.80	885	"	83.00	73,000
Grain Sorghum	1999 1998	419	2.80	1,173	ni.	86.00	101,000
		*				4.7	
Sugar	1999	3,110	33.50	104,190	u u	40.00	4,168,000
Beets	1998	950	21.24	20,181		35.08	708,000
Wheat	1999	15,104	2.75	41,536	i i	89.00	3,697,000
	1998	20,486	1.50	30,729	tt	90,00	2,766,000
Miscellaneous	1999	1,000					469,000
	1998	200		 <u>1861 - 1863 - La</u> ure Harris, 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864 - 1864	<u></u>	. Lynn A Copa	453,000
TOTALS	1999 1998	387,959 398,796				ag ng Tanas	\$121,080,000 \$95,237,000

<sup>\*\*</sup>Includes USDA Support Price

<u>VEGETABLE_CROPS - 1998-1999</u>							
COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Miscellaneous	1999	1,603					4,277,000
	1998	437					920,000
Totals	1999	1,603					4,277,000
	1998	437					920,000

## APIARY PRODUCTS - 1998-1999

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE	
Honey	1999 1998	18,000 650,000	Lb.	\$ .50 .61	\$9,000 396,000	
Beeswax	1999 1998	4,000 9,000	11	2.00 1.78	8,000 16,000	
Packaged Bees	1999 1998	94,000 101,000	11 11-	5.33 6.04	501,000 610,000	
Queen Bees	1999 1998	88,000 85,000	Each	7.32 7.22	644,000 614,000	
Pollination	1999 1998				1,281,000 987,000	
TOTALS	1999 1998	· · · · · · · · · · · · · · · · · · ·			\$2,433,000 \$2,623,000 *	

### **SEED CROPS - 1998-1999**

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	N TOTAL PRODUCTION	UNIT	RICE R UNIT	TOTAL VALUE
Beans	1999 1998	4,375 3,028	1,545 1,694	6,759,005 4,548,915	Lb.	\$ .34	\$2,290,000 1,445,000
Clover, all	1999 1998	2,517 1,248	491 495	1,235,260 636,017	"	1.38 1.44	1,702,000 914,000
Rice	1999 1998	2,257 2,408	7,673 7,000	17,317,961 16,856,000	11	.106	1,836,000 2,528,000
Sunflower	1999 1998	10,053 8,269	1,045 886	10,501,625 7,328,295	# # #	.46 .55	4861,000 4,039,000
Vine Crops	1999 1998	3,095 2,383					3,650,000 2,849,000
Other Seed	1999 1998	1,962 1,882					1,132,000 1,633,000
TOTALS	1999 1998	24,259 19,254					13,939,000 13.408.000

<sup>\*</sup> Revised

## Production and Value of Agricultural Products LIVESTOCK AND POULTRY – 1998-1999

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1999 1998	25,500 25,324	186,660 185,372	Cwt.	\$64.30 61.00	12,002,000 11,308,000
Sheep and Lambs	1999 1998	7,310 7,081	7,529 7,293	11	74.80 74.80	563,000 546,000
Hogs and Pigs	1999 1998	1,760 1,710	3,027 2,941	n n	35.10 34.00	106,000 100,000
Poultry	1999 1998		under Livestock protect individu			ets
TOTALS	1999 1998			· · · · · · · · · · · · · · · · · · ·		\$12,671,000 \$11,954,000

#### LIVESTOCK AND POULTRY PRODUCTS - 1998-1999

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE TOTAL PER UNIT VALUE
Milk, all	1999 1998	3,148,077 3,110,909	Cwt.	\$ 13.26 \$41,744,000 14.78 45,977,000
Market	1999 1998	2,642,751 2,520,537	"	13.29 35,122,000 14.80 37,300,000
Manufacturing	1999 1998	505,326 590,371	11	13.11 6,625,000 14.70 8,676,000
Wool	1999 1998	74,050 71,731	Lb.	.31 23,000 .40 29,000
Miscellaneous	1999 1998			230,000 226,000
TOTALS	1999 1998		:	\$41,997,000 \$46,232,000

#### **NURSERY PRODUCTS - 1998-1999**

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Nursery	1999	248	\$3,469,000
Production	1998	220	 \$2,583,000
	1999	248	\$3,469,000
Total	1998	220	\$2,583,000

## Production and Value of Agricultural Products FRUIT AND NUT CROPS – 1998-1999

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1999	22,562	.95	11,073	Meat	\$1,676.00	\$18,558,000
	1998	21,339	.39	8,322	Ton	2,925.00	24,342,000
Almond Hulls	1999		-	16,610	Ton	80.00	1,329,000
	1998			10,151	11	80.00	812,000
Citrus	1999	714	6.30	4,496	11	287.00	1,289,000
_	1998	712	1.62	1,154	187	510.00	588,000
Grapes	1999	835	6.80	5,683	11	400.00	2,273,000
	1998	1,349	6.20	8,347	n	286.81	2,394,000
Olives	1999	4,490	2.30	10,357	- 11	442.00	4,578,000
	1998	4,165	2.24	9,330	Ħ	449.00	4,189,000
Pistachios	1999	868	1.02	890	Inshell	2,800.00	2,581,000
	1998	746	.40	295	Ton	1,855.00	556,000
Prunes	1999	8,392	1.87	15,667	Dry	939.00	14,711,000
	1998	7,516	1.18	8,850	Ton	752.00	6,655,000
Walnuts	1999	7,169	1.18	8,477	Inshell	775.00	6,570,000
	1998	6,231	.96	5,989	Ton	1,050.00	6,288,000
Miscellaneous	1999	116	-	<del></del>	**.		75,000
Fruits and Nuts	1998	132		:			165,000
TOTALS	1999	45,146	· · · · · · · · · · · · · · · · · · ·				\$51,964,000
	1998	41,353	<u> </u>			;	\$45,989,000

## Production and Value of Forest Products FOREST PRODUCTS = 1998-1999

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1999 1998	28,800,000 18,944,000	Board Feet	\$ .37 \$ .37	10,697,000 7,009,000
Firewood	1999 1998	760 750	Cord	85.00 85.00	65,000 64,000
Christmas Trees	1999 1998	1,700 1,610	Each	20.00 20.00	34,000 32,000
TOTALS	1999 1998			and the second s	10,796,000 \$7,105,000

## GLENN COUNTY SUSTAINABLE AGRICULTURE - 1998-1999 PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	141	0	
United Parcel Service	0	0	
Truck	232	0	
Other	612	0	
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS		
Field Inspections	475		
Phyto Certificates Issue	ed 1,227	transfer of the second	

### **ORGANIC FARMING**

CROP	NUMBER OF	FARMS AMOUNT	
Almonds	4	141 Acres	
Citrus	4	145 Acres	
Pasture	3	41 Acres	n 1970 e <del>19</del> 80 e <mark>198</mark> 0 e <del>1981</del> e -
Fruit Production	3	26 Acres	
Rice	6	2,036 Acres	
Vegetables/Herbs	2	14 Acres	
Field Crops (Safflower)	1	70 Acres	,

# Production and Value of Agricultural Products GLENN COUNTY SUSTAINABLE AGRICULTURE – 1998-1999 BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly <u>Siphonius phillyreae</u>	Wasp <u>Encarsia</u> <u>Sp.</u>	Established
	Beetle <u>Clitostethus arcuatus</u>	Established
talian Thistle <u>Carduus</u> <u>tenuifloris</u>	Weevil <u>Rhenocyllus</u> conicus	Established
uncture Vine <u>Tribulus tenestris</u>	Stem and Seed Weevils <u>Micro lypriformis</u> <u>Microlarinus lareyniei</u>	Established
ellow Star Thistle <u>Centaurea solstitialis</u>	Weevil <u>Bangasternus orientals</u> <u>Eustenopus villosus</u>	Established Established
	<u>Larinus curtus</u> Fly	1 Release Site
	<u>Urophra sirunaseva</u> <u>Chastorellia australis</u>	Established Established
ıll Thistle <u>Cirsium</u> vilgare	Fly <u>Urophra</u> <u>stylata</u>	3 Release Sites

#### **PEST ERADICATION**

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle <u>Cirsium arvense</u>	Chemical - Mechanical	0
Dyer's Woad <u>Isatis</u> <u>tinctoria</u>	Chemical - Mechanical	2
Hoary Cress (Whitetop) <u>Cardaria</u> <u>draba</u>	Chemical	3
Perennial Peppergrass <u>Lepidium latifolium</u>	Chemical	11
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	3
Russian Knapweed <u>Centaurea repens</u>	Chemical	1
White Horsenettle <u>Solanum elaeagnifolium</u>	Chemical	3
Diffuse Knapweed <u>Centaurea</u> diffuse	Chemical	0
Artichoke Thistle <u>Cynara cardunculus</u>	Mechanical	1

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION GLENN COUNTY, CALIFORNIA

1998	1999
\$95,231,000	\$121,080,000
45,989,000	
46,232,000	41,977,000
13,408,000	13,939,000
11,954,000	12,671,000
920,000	4,277,000
2,538,000	3,469,000
2,623,000*	2,433,000
\$218,895,000	\$251,810,000
\$7,009,000	\$10,697,000
64,000	65,000
32,000	34,000
\$7,105,000	10,796,000
\$226,000,000*	\$262,606,000
	\$95,231,000 45,989,000 13,408,000 11,954,000 920,000 2,538,000 2,623,000 * \$7,009,000 64,000 32,000

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

1999

## ANNUAL RAINFALL AT WILLOWS, CALFORNIA

## 120 YEARS - 1879 - 1999

Year	Inches	Year	Inches	Year	Inches
1879-1880	13.96	1919-1920	7.70	1959-1960	13.88
1880-1881	13.85	1920-1921	21.28	1960-1961	
1881-1882	8.28	1921-1922	13.44	1961-1962	
1882-1883	8.45	1922-1923	16.81	1962-1963	· <del>-</del>
1883-1884	18.84	1923-1924	8.86	1963-1964	
1884-1885	7.80	1924-1925	25.99	1964-1965	
1885-1886	19.15	1925-1926	18.44	1965-1966	13.26
1886-1887	8.07	1926-1927	25.99	1966-1967	23.65
1887-1888	8.97	1927-1928	17.54	1967-1968	15.21
1888-1889	10.30	1928-1929	11.46	1968-1969	23.25
1889-1890	29.94	1929-1930	16.37	1969-1970	18.56
1890-1891	19.01	1930-1931	9.85	1970-1971	13.50
1891-1892		1931-1932		1971-1972	7.15
1892-1893		1932-1933	7.79	1972-1973	25.11
1893-1894		1933-1934		1973-1974	17.45
1894-1895		1934-1935	19.62	1974-1975	16.03
1895-1896	· ·	1935-1936		1975-1976	6.30
1896-1897		1936-1937	- · · -	1976-1977	8.46
1897-1898		1937-1938		1977-1978	25.72
1898-1899		1938-1939		1978-1979	14.97
1899-1900		1939-1940		1979-1980	26.95
1900-1901		1940-1941		1980-1981	18.76
1901-1902		1941-1942		1981-1982	25.58
1902-1903		1942-1943		1982-1983	· · · · · · · · · · · · · · · · · · ·
1903-1904		1943-1944		1983-1984	•
1904-1905		1944-1945		1984-1985	
1905-1906		1945-1946		1985-1986	
1906-1907		1946-1947		1986-1987	
1907-1908		1947-1948		1987-1988	-
1908-1909		1948-1949		1988-1989	
1909-1910		1949-1950		1989-1990	
1910-1911	=	1950-1951	· · · · · ·	1990-1991	
1911-1912		1951-1952		1991-1992	
1912-1913		1952-1953	· · · · -	1992-1993	•
1913-1914		1953-1954		1993-1994	- · <del>-</del>
1914-1915		1954-1955		1994-1995	
1915-1916		1955-1956	· · · · · · · · · · · · · · · · · · ·	1995-1996	
1916-1917		1956-1957	· ·	1996-1997	
1917-1918		1957-1958		1997-1998	
1918-1919	12.90	1958-1959	11.96	1998-1999	14.59