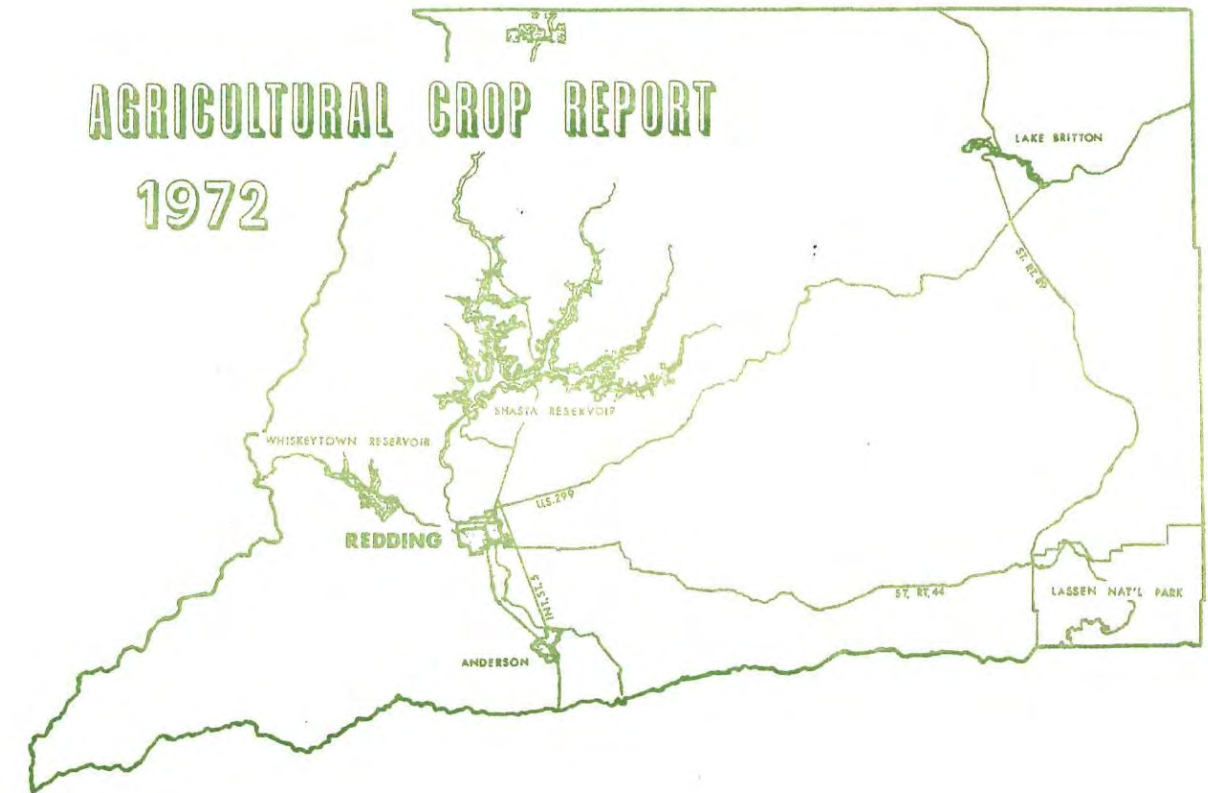


Within the lumbering industry there has been an increasing awareness of the shortage of timber available to be harvested and to meet the growing demands here in the west. One solution to this problem that is receiving serious consideration and action is the development of trees that will put on vigorous growth and mature at a more rapid rate than our present timber resources.

Several farsighted agencies in the timber and lumbering business have located a selective seed orchard for genetic improvement in the Anderson area here in Shasta County. The progeny from these trees will be planted in key locations until the supply becomes greater. Ordinarily it would take at least 20 years for a tree to start producing seed cones but with the technique of grafting scion wood from mature trees that demonstrate desirable characteristics onto root stock that has been established, they hope to have viable seed in 10 years. A few of the desirable traits that will be selected for are: rapid height and diameter growth; little taper; small branches with few limbs per whorl; cone production; and resistance to forking and snow or wind breakage.

The six species of trees under experiment are Douglas-Fir, Ponderosa Pine, White Fir, Monterey Pine, Coast Redwood, and Incense Cedar. One of the main purposes of planting this 34 acre orchard at the low elevation Anderson site is the need to keep the seed cones from becoming pollinated with pollen from less desirable trees that would be present if other conifer trees grew naturally in the area. Another factor is the ease of care for the trees since the headquarters of each participating agency is located in the Redding-Anderson area.

It is important that steps such as these are taken to renew our rapidly diminishing natural resources which most people have assumed to be inexhaustible when such is not the case. As we learn to work in harmony with our environment, we further guarantee that these resources we have taken for granted will be available for future generations to enjoy.



**SHASTA COUNTY
AGRICULTURE COMMISSIONER
1855 PLACER STREET
REDDING, CALIFORNIA, 96001**

ANNUAL CROP REPORT

FOR
YEAR ENDING - - DECEMBER 31, 1972

C.B. CHRISTENSEN, DIRECTOR
CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

SHASTA COUNTY
BOARD OF SUPERVISORS

FLOYD H. MORGAN, CHAIRMAN.DISTRICT 5
HENRY F. KEEFER.DISTRICT 1
BESSIE L. SANDERS.DISTRICT 2
JOHN R. CATON.DISTRICT 3
PATRICK G. LAPOINTE.DISTRICT 4

Mr. C.B. Christensen, Director of Food & Agriculture
The Honorable Board of Supervisors, Shasta County

Gentlemen:

This is a report of the condition, acreage, production and value of the agricultural products in Shasta County for the year 1972, submitted as required by Section 2279 of the California Agricultural Code. This report represents the gross value of production and does not attempt to show county inventory, net farm income, or cost of production.

Adverse weather conditions have had their effect on the harvesting of certain crops in Shasta County. The number of Christmas trees harvested in 1972 was down because of the inaccessibility of the trees due to heavier than usual snows. Strawberry plant nursery stock harvest has been affected by the heavier than normal rains but not to as large an extent as Christmas tree harvest.

Serious loss in production was experienced with fruit and nut crops due to spring frost. The olive, apple, walnut, and persimmon crops all suffered severe losses.

Prices received for crops were higher in most cases in 1972. Substantial increases were reported for the apiary, livestock, Christmas tree, wool, and olive crops. The principle of supply and demand became quite evident with the increased price of honey, which has been in short supply on a world-wide basis. Products related to honey production, such as queen bees and package bees also came up. Supplemental feeding of livestock, accelerated because of severe weather conditions, has again brought an increase in demand and prices received for alfalfa and other hay and barley.

Shasta County has a population of over 7,000 horses and the figures were reported for horses represent animals that were actually sold. Horse husbandry in Shasta County is an important industry and is becoming larger each year with more emphasis being placed on quality of stock, and is evidenced by increases in values.

Data for compiling this report have been obtained from producers, government agencies, representatives of agri-business, and individuals who have special knowledge in the field. The co-operative assistance we have received from them is sincerely appreciated. The compilation of the report was under the direction of Inspector Dave Haakonson.

C. Bruce Wade
C. Bruce Wade
Agricultural Commissioner

COMPARISON SUMMARY

	1972	1971	1970	1969
LIVESTOCK	\$ 6,912,000	\$ 5,987,000	\$ 6,164,000	\$ 5,626,000
LIVESTOCK PRODUCTS	917,000	888,000	922,000	939,000
APIARY PRODUCTS	531,000	354,000	279,000	331,000
NURSERY STOCK	2,611,000	2,099,000	1,890,000	1,890,000
CHRISTMAS TREES	366,000	334,000	170,000	
VEGETABLE CROPS	292,000	402,000	533,000	737,000
TREE CROPS	271,000	267,000	387,000	244,000
FIELD CROPS	5,664,000	4,483,000	4,006,000	4,039,000
	<u>\$17,564,000</u>	<u>\$14,814,000*</u>	<u>\$14,351,000*</u>	<u>\$13,806,000</u>

*Revised

LIVESTOCK

	Year	PRODUCTION		Unit	VALUE	
		No. of Head	Total Liveweight		Av. Per Unit	Total
CATTLE & CALVES	1972	20,104	119,016	cwt.	\$ 36.33	4,323,900
	1971	22,650	125,300	cwt.	31.85	\$ 3,991,000
Breeder & Other Stock	1972	7,026		head	283.00	1,985,300
	1971	7,025		head	220.00	1,550,400
Milk Stock	1972	228		head	283.00	64,400
	1971	159		head	239.00	40,000
Dairy Calves	1972	376		head	52.00	19,700
	1971	381		head	39.00	15,000
Totals	1972				\$ 6,393,300	
	1971				5,596,400	
SHEEP & LAMBS	1972	1,076	1,061	cwt.	30.72	32,600
	1971	1,092	1,026	cwt.	27.54	28,300
HOGS & PIGS	1972	1,292	848	cwt.	32.11	27,200
	1971	1,020	697	cwt.	19.21	12,600
Fat Hogs & Other	1972	709	1,483	cwt.	28.08	41,600
	1971	704	1,465	cwt.	18.87	27,500
Totals	1972				\$ 68,800	
	1971				40,100	
HORSES	1972	1,390		head	300.00	417,000
	1971	1,320		head	240.00	317,400
TOTAL LIVESTOCK	1972				\$ 6,911,700	
	1971				5,987,400	

LIVESTOCK PRODUCTS

	Year	PRODUCTION		Unit	VALUE	
		Production	Unit		Av. Per Unit	Total
MILK	1972	142,000		cwt.	\$ 5.98	\$ 849,000
	1971	138,000		cwt.	5.96	826,000
Manufacturing	1972	13,700		cwt.	4.33	59,300
	1971	13,500		cwt.	4.22	57,100
WOOL	1972	29,000		lbs.	0.30	8,600
	1971	26,000		lbs.	0.18	4,800
TOTAL LIVESTOCK PRODUCTS	1972				\$ 916,900	
	1971				887,900*	

APIARY PRODUCTS

	Year	PRODUCTION		Unit	VALUE	
		Production	Unit		Av. Per Unit	Total
HONEY	1972	392,800		lbs.	\$ 0.33	\$ 129,100
	1971	275,000		lbs.	0.19	52,000
BEES WAX	1972	10,000		lbs.	0.63	6,300
	1971	6,100		lbs.	0.64	3,900
PACKAGE BEES	1972	103,200		lbs.	1.42	146,500
	1971	80,600		lbs.	1.31	105,400
QUEENS	1972	110,900		each	1.57	174,600
	1971	88,750		each	1.36	120,500
POLLINATION	1972	17,200		col.	4.31	74,300
	1971	16,500		col.	4.36	72,000
TOTAL APIARY PRODUCTS	1972				\$ 530,800	
	1971				353,800	

*Revised

NURSERY STOCK

	Year	Acres	PRODUCTION		Unit	VALUE	
			Per Acre	Plants		Av. Per Unit	Total
STRAWBERRY	1972	543	295	160,060	M	\$ 16.30	\$ 2,611,000
	1971	507	290	147,300	M	14.00-15.50	2,099,400

CHRISTMAS TREES

	Year	Acres	PRODUCTION		Unit	VALUE	
			Per Acre	Trees		Av. Per Unit	Total
CHRISTMAS TREES	1972			175,000	each	\$ 2.10	\$ 365,700
	1971			238,500	each	1.40	333,900

VEGETABLE CROPS

	Year	Acres	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Av. Per Unit	Total
TRUCK CROPS (Potatoes, Corn, Tomatoes, Various)	1972	444			acre	\$	\$ 196,900
	1971	786*			acre		402,500
BEANS	1972	369	17.28	6,377	cwt.	15.00	95,600
	1971						
TOTAL VEGETABLE CROPS	1972					\$	\$ 292,500
	1971						402,500

TREE CROPS

	Year	Harvested Acres	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Av. Per Unit	Total
FRUIT CROPS (Pears, Prunes, Apples)	1972	555				\$	\$ 101,300
	1971	534					40,000
OLIVES	1972	650		312	tons	321.00	99,800
	1971	687		687	tons	90.00	61,800
WALNUTS	1972	875		140	tons	500.00	69,800
	1971	500		439	tons	380.00	165,400
TOTAL TREE CROPS	1972					\$	\$ 270,900
	1971						267,200

FIELD CROPS

	Year	Harvested Acres	PRODUCTION		Unit	VALUE		
			Per Acre	Total		Av. Per Unit	Total	
GRAIN	Barley	1972	1,727	1.17	2,042	tons	\$ 55.00	\$ 111,900
		1971	1,600	0.98	1,570	tons	50.00	79,000
Oats	1972	360	1.02	367	tons	73.87	27,100	
	1971	393	0.94	370	tons	75.00	28,400	
Wheat	1972	625	2.54	1,587	tons	55.00	87,800	
	1971	918	0.70	643	tons	51.00	32,600	
HAY	Alfalfa	1972	15,715	3.90	61,288	tons	32.46	1,989,400
		1971	12,300	3.55	43,750	tons	31.80	1,391,700
Other Hay	1972	10,558	2.17	22,911	tons	29.76	681,800	
	1971	8,750	1.97	17,200	tons	27.00	466,700	
PASTURE	Irrigated	1972	33,400	50.00			50.00	1,668,100
		1971	35,200	45.00			45.00	1,585,500
Improved	1972	81,100	5.00			5.00	405,400	
	1971	73,900	5.00			5.00	369,000	
Rangeland	1972	346,000	2.00			2.00	692,100	
	1971	353,251*	1.50			1.50	529,900	
TOTAL FIELD CROPS	1972					\$	\$ 5,663,600	
	1971						4,482,800	

*Revised