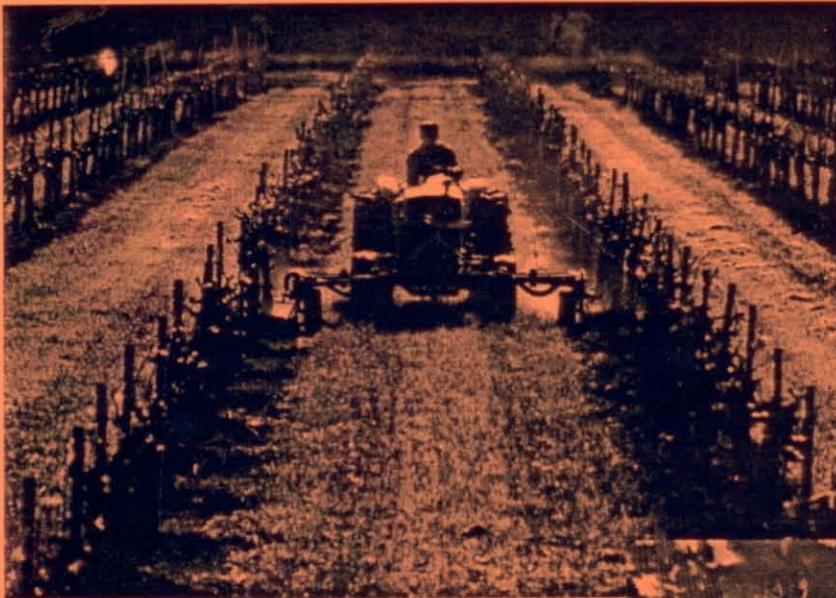

Mendocino County

Crop Report
1993





COUNTY OF MENDOCINO
DEPARTMENT OF AGRICULTURE
COURTHOUSE
UKIAH, CALIFORNIA 95482

HENRY VOSS, SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE
and
THE HONORABLE BOARD OF SUPERVISORS OF MENDOCINO COUNTY

The **total gross agricultural value** for commodities produced in 1993 was **\$258,914,400**. This is an increase of \$42,535,900 over the 1992 crop production due to a continued increase of cost/unit value of forest products. The leading category was forest products with a value of \$174,063,000, up a whopping 36% from the 1992 figure of \$127,959,000. The **agricultural production value, excluding timber**, was **\$84,356,400**, a decrease of \$3,836,400 from the 1992 value.

Grapes were the second leading agricultural crop with a value of \$40,922,800, a 7% decrease from 1992. The winegrape industry has made great strides, especially in the last 20 years. In recognition of that, we have dedicated this year's crop report to this industry. On page 12 you will find an essay written by Greg Nelson on the history of the winegrape industry in Mendocino County and a short history of the California North Coast Grape Growers Association.

Total pear production was 52,157 tons, down slightly from 1992. Bartlett pear production was also down, but the total value had a small increase over 1992 because of higher prices.

This crop report represents only the gross value to the growers. It does not reflect any net income or costs of production.

I wish to express my sincere gratitude to all the growers, my excellent staff members, the U.C. Cooperative Extension and other government agencies for their efforts in making this crop report possible.

Respectfully submitted,

A handwritten signature in cursive script that reads 'David Bengston'.

David Bengston
Agricultural Commissioner

MENDOCINO COUNTY
DEPARTMENT OF AGRICULTURE

DAVID BENGSTON
Agricultural Commissioner
Director of Weights and Measures

ANNUAL CROP REPORT FOR YEAR 1993

STAFF

STEVEN HAJIK.....Assistant Agricultural Commissioner
Assistant Director of Weights & Measures

K.F. FARNSWORTH, II.....Agricultural Inspector
Deputy Sealer of Weights & Measures

JAMES XEROGEANES.....Agricultural Biologist II

JOYCE SARBER.....Department Secretary

CARALYN GULSETH.....Department Clerk

Seasonal Inspectors:

DEBRA ATTAWAY, MICHAEL McNERLIN, CURT NORGDARD
ROSALIND PETERSON, JOHN TIMM, VIVIAN WILLIS

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FRUIT AND NUT CROPS

COMMODITY	YEAR	BEARING ACREAGE	PER ACRE	PRODUCTION IN TONS	\$ PER TON	VALUE
APPLES, TOTAL	1993	604	6.7	4,047.0	363	\$ 1,468,200
	1992	705	12.4	8,747.0	323	2,823,600
Fresh	1993			2,185.0	545	1,190,800
	1992			3,499.0	573	2,004,900
Other (dried, Juice, etc)	1993			1,862.0	149	277,400
	1992			5,248.0	156	818,700
GRAPES, TOTAL WINE	1993	11,591	5.2	60,269.2	679	\$40,922,800
	1992	11,143	5.5	61,135.3	724	44,262,000
White varieties	1993	5,757	5.2	29,984.3		
	1992	5,536	5.7	31,731.5		
Red varieties	1993	5,834	5.2	30,284.9		
	1992	5,607	5.2	29,403.8		
PEARS, TOTAL	1993	3,046	17.2	52,157.0	317	\$16,554,400
	1992	3,034	18.4	56,047.0	304	17,015,100
Bartlett	1993	2,783	18.2	50,466.0	305	15,412,100
	1992	2,792	19.1	53,336.0	286	15,246,600
Canning	1993			33,595.0	220	7,390,900
	1992			34,469.0	228	7,858,900
Fresh**	1993			12,869.0	610	7,850,100
	1992			11,928.0	535	6,381,500
Other (ferment paste, dried)	1993			4,002.0	43	171,100
	1992			6,939.0	145	1,006,200
Bosc**	1993	117	4.9	567.0	845	479,100
	1992	110	15.2	1,674.0	725	1,213,700
Red**	1993	146	7.7	1,124.0	590	663,200
	1992	132	7.9	1,037.0	535	554,800
PRUNES	1993	37	3.2	119.0	1,029	122,500
	1992	63	2.6	163.0	945	154,000
MISCELLANEOUS*	1993	137				737,500
	1992	160				1,258,000
TOTALS	1993	15,415				\$59,805,400
	1992	15,105				\$65,512,700

*Miscellaneous includes berries, cherries, chestnuts, other pears, peaches, persimmons, pistachios and walnuts.

**The fresh values listed for pears are F.O.B. values. The actual average price per ton values received by the growers for 1992 were: Bartlett \$192, Bosc \$242, and Red \$187. The values in 1993 were: Bartlett \$204, Bosc \$350, and Red \$155.

FRUIT, NUT, AND GRAPEVINE ACREAGE

CROP	ACRES BEARING	ACRES NON-BEARING	TOTAL
APPLES	604	1	605
WINE GRAPES, TOTAL	11,615	858	12,473
Black	5,834	319	6,153
White	5,757	533	6,290
Rootstock	24	6	30
PEARS, TOTAL	3,108	24	3,132
Bartlett	2,783	2	2,785
Red	146	7	153
Bosc	117	3	120
Other	62	12	74
PRUNES	37	0	37
WALNUTS, ENGLISH	50	0	50
MISCELLANEOUS ¹	72	3	75
TOTALS	15,486	886	16,372

¹ Miscellaneous includes: berries, black walnuts, cherries, chestnuts, feijoas, kiwis, peaches, persimmons, pistachios, plums and table grapes.

JANUARY 1 INVENTORIES¹ OF LIVESTOCK

COMMODITY	1993	1994
All Cattle and Calves	30,000	29,000
Beef Cows and Heifers, 2 years and older	15,000	15,000
Milk Cows	1,500	1,500
Sheep and Lambs, all	16,000*	15,000
Swine**	800**	800**

¹ Livestock on hand, not to be confused with production.

* 1993 Revised

** Swine is December 1 Inventory

LIVESTOCK PRODUCTION

COMMODITY	YEAR	NO. OF HEAD	TOTAL CWT+ LIVE WT.	\$ PER UNIT	\$ VALUE
Cattle and calves	1993	13,756	118,448	68.07	\$8,062,900
	1992	10,035	80,280	64.08	5,145,000
Sheep and lambs	1993	11,999	10,746	51.40	\$ 552,300
	1992*	18,080	17,543	41.83	733.800
Swine	1993	1,054	1,385	50.10	\$ 69,400
	1992	592	915	47.10	43,100
Miscellaneous**	1993				\$ 650,000
	1992				640,000
TOTALS	1993				\$9,334,600
	1992*				\$6,561,900

+ CWT=100 lbs
* 1992 Revised

** Miscellaneous includes horses, poultry, rabbits, and aquaculture (fish farms).

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LIVESTOCK, POULTRY, AND MILK PRODUCTS

COMMODITY	YEAR	PRODUCTION IN LBS.	PER UNIT	\$ VALUE
Milk	1993	164,919 cwt.	\$11.44	\$1,887,000
	1992	160,294 cwt.	\$11.61	\$1,861,000
Wool	1993	154,354 lb.	\$ 0.45	\$ 69,500
	1992*	195,261 lb.	\$ 0.68	\$ 132,800
Miscellaneous**	1993			\$1,242,500
	1992			\$1,905,900
TOTALS	1993			\$3,199,000
	1992*			\$3,899,700

* 1992 Revised

** Miscellaneous includes apiary, eggs, cheese, and manure.

NURSERY PRODUCTION

COMMODITY	YEAR	GREENHOUSE SQUARE FEET	FIELD ACRES	\$ VALUES
Nursery*	1993	252,364	114	\$1,769,800
	1992	237,956	92	\$2,159,800
Christmas trees	1993	NA	238	\$ 353,000
	1992	NA	272	\$ 436,000
TOTALS	1993	252,364	352	\$2,122,800
	1992	237,956	364	\$2,595,800

* Includes turf and cut flowers

VEGETABLE CROPS

COMMODITY	YEAR	ACRES	\$ VALUES
Miscellaneous* vegetables	1993	450	\$1,236,700
	1992		\$1,284,800

* Includes beans, sweet corn, garlic, herbs, melons, peas, potatoes, squash, tomatoes, etc.

FIELD CROPS

COMMODITY	YEAR	ACRES	YIELD/ ACRE	TOTAL YIELD	PER AUM	\$ VALUE
Irrigated pasture	1993	6,250	8.00 AUM*	50,000	\$17.00	\$ 850,000
	1992	6,250	8.00 AUM	50,000	\$17.00	850,000
Pasture, Other (grassland, coast bench)	1993	365,000	.65 AUM	237,250	\$11.00	\$2,609,800
	1992	365,000	.65 AUM	237,250	\$11.00	\$2,609,800
Range	1993	355,000	.45 AUM	159,750	\$ 7.50	\$1,198,100
	1992	355,000	.45 AUM	159,750	\$ 7.50	\$1,198,100
Miscellaneous**	1993					\$4,000,000
	1992					\$3,680,000
TOTALS	1993					\$8,657,900
	1992					\$8,337,900

* AUM means Annual Unit Month (Food required to feed a 1,000 pound steer for one month.)

**Miscellaneous includes alfalfa, barley, beans, corn, oats, hay & wild rice.

FOREST PRODUCTS

	1992	1993
TIMBER:		
Log Production (board feet) ¹	\$250,900,000	\$254,900,000
Total Stumpage Value, net ²	\$ 90,331,000	135,969,000
Total Value at Mill, gross ³	\$127,959,000	174,063,000

FOREST PRODUCTS

10 YEAR COMPARISON (LOG PRODUCTION)

Year	Log Production ¹ (Board Feet)	Value at Mill ³ (Gross)
1984	449,310,000	\$116,820,000
1985	430,816,000	\$108,846,000
1986	420,844,000	\$105,211,000
1987	462,628,000	\$115,657,000
1988	474,293,000	\$118,573,000
1989	515,300,000	\$158,712,000
1990	422,700,000	\$149,213,000
1991	275,300,000	\$105,990,000
1992	250,900,000	\$127,959,000
1993	254,900,000	\$174,063,000

¹ Data supplied from State Board of Equalization, Timber Tax Division.

² Stumpage value is the raw product value of a tree prior to actual harvest. Data from State Board of Equalization.

³ Includes logging and hauling costs. Data based on information from Peter C. Passof, Forest Advisor, Emeritus.

**** ALL COMMODITIES ** ALL COMMODITIES ****

TEN YEAR VALUE COMPARISON

<u>YEAR</u>	<u>FRUIT & NUTS</u>	<u>LIVESTOCK PRODUCTION</u>	<u>LIVESTOCK, POULTRY & APIARY PRODUCTS</u>	<u>NURSERY PROD.</u>	<u>VEG. CROPS</u>	<u>FIELD CROPS</u>	<u>TOTALS</u>
1984	26,002,100	10,288,400	1,771,100	1,946,000	600,000	5,502,000	46,109,600
1985	32,383,150	5,681,100	1,794,800	2,330,000	700,000	5,519,500	48,408,550
1986	34,246,700	6,685,600	1,850,600	2,327,000	765,000	5,619,500	51,494,400
1987	32,776,400	7,985,500	1,921,000	2,485,000	830,000	5,865,300	51,863,200
1988	35,671,600	7,547,400	2,034,000	2,523,600	950,000	5,930,100	54,656,700
1989	65,842,200	8,855,300	2,385,000	2,638,000	980,000	6,561,300	87,261,800
1990	46,348,400	8,929,000	2,318,100	2,168,200	1,052,400	5,642,700	66,458,800
1991	57,324,900	8,575,000	2,141,900	2,324,100	1,067,300	7,217,300	78,650,500
1992	65,512,700	6,561,900	3,899,700	2,595,800	1,284,800	8,337,900	88,192,800
1993	59,805,400	9,334,600	3,199,000	2,122,800	1,236,700	8,657,900	84,356,400

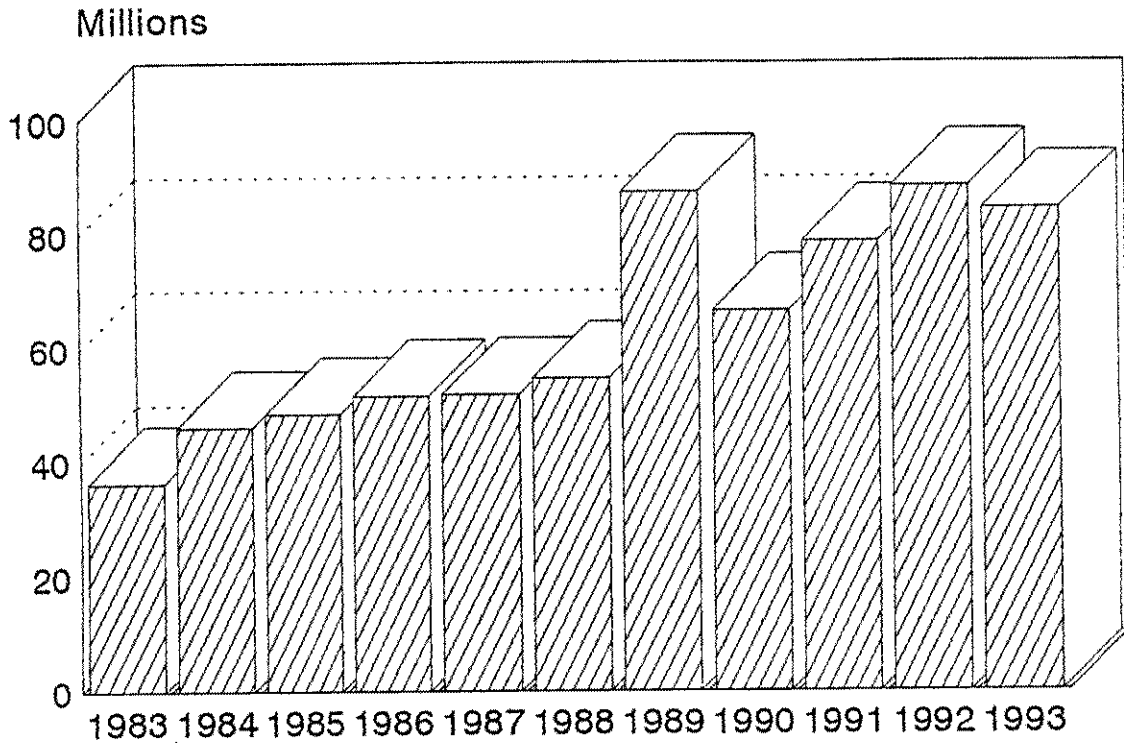
COMMERCIAL FISH CATCH¹

TEN YEAR VALUE COMPARISON

<u>YEAR</u>	<u>POUNDS</u>	<u>VALUE</u>
1984	12,725,000	4,422,000
1985	16,651,000	7,849,000
1986	21,547,500	9,162,000
1987	31,810,500	16,545,000
1988	38,533,500	22,348,000
1989	33,227,000	12,704,000
1990	23,494,500	10,917,000
1991	21,031,500	13,842,500
1992	15,697,000	10,158,500
1993	12,111,500	8,142,000

¹Source - State of California Department of Fish and Game.
All figures are rounded.

VALUE OF MENDOCINO COUNTY AGRICULTURE
 1983-1993
 (EXCLUDING TIMBER)



1993 MILLION DOLLAR CROPS

- 1. TIMBER.....\$174,063,000
- 2. WINEGRAPES.....\$40,922,800
- 3. BARTLETT PEARS.....\$15,412,100
- 4. CATTLE & CALVES.....\$8,062,900
- 5. PASTURE.....\$2,609,800
- 6. NURSERY.....\$2,122,800
- 7. MILK.....\$1,887,000
- 8. APPLES.....\$1,468,200
- 9. RANGE.....\$1,198,100

SUSTAINABLE AGRICULTURE IN 1993

ORGANIC FARMS

1993

NUMBER OF FARMS	CROPS	ACRES
72	Miscellaneous vegetables	100
24	Apples	357
40	Wine grapes	2,180
3	Pears	163
23	Miscellaneous Fruit & Nut	78
TOTAL 162*		TOTAL 2,878

(*crops overlap)

BIOLOGICAL CONTROL

PEST	BIO-AGENT	STATUS
Canada Thistle <u>Cirsium arvense</u>	1. Flea Beetle <u>Altica carduorum</u>	est. 1966
Gorse <u>Ulex europaeus</u>	1. Gorse weevil <u>Apion ulicus</u>	est. 1953
Italian Thistle <u>Carduus tenuiflorus</u> <u>Carduus pycnocephalus</u>	1. Seed Head Weevil <u>Rhinocyllus conicus</u> <u>R. conicus</u>	est. 1976
Milk Thistle <u>Silybum marianum</u>		
Klamath Weed <u>Hypericum perforatum</u>	1. Klamath Weed Beetles <u>Crysolina quadrigimena</u> 2. Root Borers <u>Agrilus hyperici</u>	est. 1947 est. 1963
Puncture Vine <u>Tribulus terrestris</u>	1. Seed Weevil <u>Microlarinus lareynii</u> 2. Stem Weevil <u>M. lyriformis</u>	est. 1962 est. 1962
Tansy Ragwort <u>Senecio jacobaea</u>	1. Cinnabar Moth <u>Tyria jacobaea</u> 2. Flea Beetle <u>Longitarsus jacobaea</u>	est. 1959 est. 1968
Yellow star thistle <u>Centaurea solstitialis</u>	1. Seed Head Weevil <u>Bangasternus orientalis</u> 2. Gall Forming Fly <u>Urophora sirunaseava</u> 3. Hairy Weevil <u>Eustenopus villosus</u>	est. 1988 Nursery Site 1990 Nursery Site 1991
Ash Whitefly <u>Siphoninum phillyreae</u>	Stingless Wasp <u>Encarsia partenopea</u>	est. 1991

PEST EXCLUSION

PROBLEM	TYPE OF SHIPMENT	NO. REJECTED
Miscellaneous pests	Mail	17
Label Violations	Mail	2

**SUPPLEMENT TO CROP REPORT
COMMERCIAL FISH CATCH**

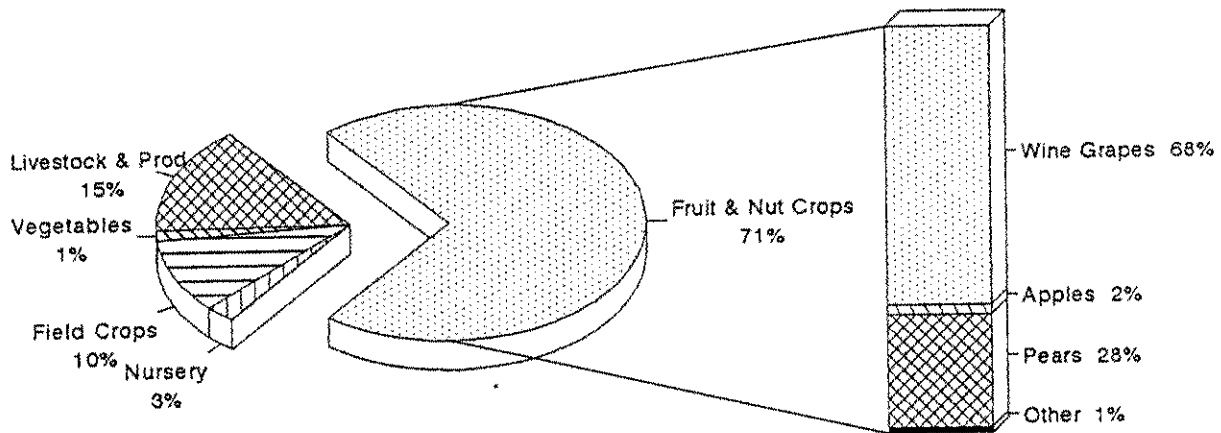
<u>COMMODITY</u>	<u>YEAR</u>	<u>POUNDS</u>	<u>VALUE</u>
Urchin, Sea (Red)	1993	5,292,690	\$4,697,010
	1992	8,007,270	6,454,020
Sole, Dover	1993	1,930,840	\$534,830
	1992	2,172,130	643,894
Thornyhead	1993	986,288	\$533,140
	1992	891,817	434,114
Salmon, Chinook	1993	216,732	\$450,699
	1992	21,483	54,456
Sablefish	1993	910,315	\$415,028
	1992	1,303,110	701,186
Swordfish	1993	129,539	\$370,456
	1992	133,390	379,159
Rockfish, Unspecified	1993	900,051	\$303,635
	1992	1,026,240	348,565
Crab, Dungeness	1993	157,649	\$172,225
	1992	137,692	171,183
Tuna, Albacore	1993	124,911	\$ 95,090
	1992	79,975	82,893
Sole, Petrole	1993	121,975	\$ 89,419
	1992	207,639	165,747
Miscellaneous	1993	1,340,541	\$480,451
	1992	600,574	260,888
<hr/>			
TOTALS	1993	12,111,531	\$ 8,141,983
	1992	15,696,857	\$10,158,494

UKIAH 105 YEAR RAINFALL DATA

(FROM UKIAH FIRE DEPARTMENT RECORDS)

SEASON	TOTAL	SEASON	TOTAL	SEASON	TOTAL
1888-89	30.82	1925-26	26.33	1962-63	44.45
1889-90	60.48	1926-27	47.32	1963-64	24.96
1890-91	24.50	1927-28	34.94	1964-65	50.84
1891-92	29.49	1928-29	24.44	1965-66	35.46
1892-93	43.53	1929-30	31.08	1966-67	43.16
1893-94	47.93	1930-31	20.06	1967-68	32.95
1894-95	52.55	1931-32	27.67	1968-69	51.28
1895-96	40.85	1932-33	24.71	1969-70	48.71
1896-97	43.34	1933-34	25.21	1970-71	38.31
1897-98	19.83	1934-35	33.05	1971-72	25.61
1898-99	27.60	1935-36	37.83	1972-73	42.09
1899-00	33.69	1936-37	29.24	1973-74	57.09
1900-01	37.09	1937-38	55.13	1974-75	38.60
1901-02	45.07	1938-39	22.86	1975-76	18.75
1902-03	34.55	1939-40	41.01	1976-77	14.20
1903-04	54.73	1940-41	56.92	1977-78	53.66
1904-05	42.93	1941-42	48.21	1978-79	30.23
1905-06	44.75	1942-43	40.41	1979-80	44.79
1906-07	48.64	1943-44	26.19	1980-81	26.82
1907-08	29.67	1944-45	31.74	1981-82	55.82
1908-09	57.39	1945-46	36.11	1982-83	70.19
1909-10	29.89	1946-47	25.90	1983-84	43.76
1910-11	32.99	1947-48	32.93	1984-85	27.40
1911-12	25.73	1948-49	27.53	1985-86	48.68
1912-13	33.40	1949-50	29.75	1986-87	25.25
1913-14	54.85	1950-51	42.28	1987-88	30.22
1914-15	49.28	1951-52	47.74	1988-89	31.48
1915-16	34.80	1952-53	45.06	1989-90	26.91
1916-17	30.23	1953-54	35.74	1990-91	26.00
1917-18	23.43	1954-55	25.63	1991-92	31.38
1918-19	37.23	1955-56	51.09	1992-93	50.49
1919-20	19.05	1956-57	32.36		
1920-21	47.94	1957-58	58.87		
1921-22	28.74	1958-59	26.42		
1922-23	30.35	1959-60	32.60		
1923-24	16.19	1960-61	34.89		
1924-25	47.44	1961-62	31.46		

SHARES OF AGRICULTURAL VALUE MENDOCINO COUNTY, 1993



Total: \$59.81 Million

Total: \$84.36 Million

SUMMARY OF PRODUCTION

COMMODITY	1992	1993
Fruits and Nuts	\$ 65,512,700	\$ 59,805,400
Livestock Production	6,561,900*	9,334,600
Livestock, Poultry and Milk Products	3,899,700*	3,199,000
Nursery Production	2,595,800	2,122,800
Vegetable Crops	1,284,800	1,236,700
Field Crops	8,337,900	8,657,900
Forest Products	127,959,000	174,063,000
TOTALS	\$216,151,800*	\$258,419,400

* 1992 Revised

WINEGRAPE INDUSTRY HISTORY

Mendocino County is blessed with ideal soil and climate conditions which even surpass the fine wine growing regions of France and Italy. It has been said that wine grapes will grow anywhere, but they do not get any finer than right here in Mendocino County.

Sauvignon Vert, Carignane, Golden Chaselas, Zinfandel, Mission and Alicante vines were planted by the first Italian immigrants to Mendocino County who used wine with their meals on a daily basis .

Some of the very early Mendocino County wineries were Guidi, Parducci, Fornasero, Lansa Wine Co., Bartolomei Brothers, Fenne, and Massoletti. Only Parducci remains under its original name. Today, there are over 50 wineries in Mendocino County, many of which have gained national and international recognition for their fine wines.

California North Coast Grape Growers Association, formed in 1963, has made a great contribution working to provide growers the opportunity to expand the planting of grape vineyards.

Before CNCGGGA was in existence, Mendocino County grape prices were the same as those paid in the rest of California. No distinction was made between the price paid for a ton of Thompson Seedless and a ton of Zinfandel. California North Coast Grape Growers Association initiated legislation establishing viticultural areas and requiring an appellation location be identified on the wine bottle label.

The CNCGG Association also initiated rule changes which increased the varietal grape content of a bottle of wine from 51% to 75%. The rule change also said if a viticultural area is used on the label, 100% of the grapes used must come from that viticultural area. These label rules assure the consumer of the winegrape variety. Improved wine quality is the result of these regulations.

Before the association was formed, growers delivered grapes to the wineries and the wine processing was begun before a grape price was negotiated. The association felt this was an unfair industry practice and introduced legislation making it unlawful to crush a grower's grapes before contracting a per ton price with the grower. After a 10-year struggle, the legislation was finally enacted into law. This resulted in higher prices for North Coast grapes, which has translated into more investments in vineyards and winery facilities. This has created a very large increase in the agricultural tax base, increasing county revenues used to pay for better schools and services.

A viable and stable, but growing and prosperous, wine industry contributes to a higher quality of life for citizens of Mendocino County by providing and preserving open space and by providing jobs which are less cyclical than some other industrial economies.

Although the industry continues to grow and prosper, growers face an ongoing battle with weather, land use planning, pests, pollution, vandalism, and more and more government regulations -- all of which pose serious challenges to the continued viability of the Mendocino County wine industry.

Greg Nelson, Winegrape Grower
President, CNCGGGA