

OFFICE LOCATION
AGRICULTURAL CENTER
579 LOW GAP ROAD

TELEPHONE (707) 463-4208

# COUNTY OF MENDOCINO DEPARTMENT OF AGRICULTURE

COURTHOUSE UKIAH, CALIFORNIA 95482

HENRY VOSS, DIRECTOR CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE and

THE HONORABLE BOARD OF SUPERVISORS OF MENDOCINO COUNTY

In accordance with Section 2279 of the California Food and Agricultural Code, I hereby submit the Mendocino County Agricultural Crop Report for 1990.

The total gross agricultural value for commodities produced in 1990 was \$215,099,600. This is a decrease of \$30,874,200 from the 1989 crop production due mainly to a decrease of \$19,493,800 in fruits and nuts, primarily grapes and a decrease of \$9,499,000 in forest products. Forest products were the leading category with a value of \$149,213,000. Agricultural production value, excluding timber, was \$65,886,600, a decrease of \$21,372,200 from the 1989 value.

Grapes were the second leading agricultural crop with a value of \$28,362,400. This is down 38% from the 1989 banner year figure of \$45,618,900.

The bartlett pear crop was valued at \$13,696,100 with a production of 48,365 tons, down 16% from 1989.

This crop report represents only the gross value to the growers and does not reflect any net income nor cost of production.

I wish to express my appreciation to the many people in the agricultural and timber industries, my able staff members, and government agencies especially the U.C. Cooperative Extension for their efforts in making this crop report possible.

Respectfully submitted,

David Bengston

Agricultural Commissioner

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## MENDOCINO COUNTY DEPARTMENT OF AGRICULTURE

DAVID BENGSTON
Agricultural Commissioner
Director of Weights and Measures

## ANNUAL CROP REPORT FOR YEAR 1990

## NA DECRESORS AND THE PROPERTY THE STAFF

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Assistant Agricultural Commissioner
Assistant Director of Weights and Measures

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

JAMES XEROGEANES......Agricultural Biologist II

JOYCE SARBER......Department Secretary

CHRIS CASSELTON......Department Clerk

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## FRUIT AND NUT CROPS

COMMODITY	YEAR	BEARING ACREAGE	PER	PRODUCTION	UNITS	PER UNIT	VALUE
APPLES, TOTAL	1990		13.4	10,011.0	TONS	\$286.00	
AFFELD, TOTAL	1989		13.7	9,643.0	TONS	249.00	2,405,100
	1000		10.,	3,010,0			2,100,100
Fresh	1990			4,273.0	TONS	515.00	2,200,600
	1989			3.954.0	TONS	450.00	1,779,300
Other (dried	,1990			5,738.0	TONS	115.00	659,900
juice, etc.)	1989			5,689.0	TONS	110.00	625,800
GRAPES, TOTAL	1990	11,341	3.5	39,778.9	TONS	713.00	28,362,400
WINE		11,066	5.3	59,168.5	TONS	771.00	45,618,900
******		11,000					,,
White	1990	5,675	3.4	19,178.5	TONS		
Varieties	1989		5.6	31,125.4	TONS		
Red	1990	5,666	3.6	20,600.4	TONS		
Varieties	1989	5,482	5.1	28,043.1	TONS		
PEARS, TOTAL	1990	2,972	16.8	49,796.0	TONS	294.00	14,649,000
	1989	2,646	22.1	58,579.0	TONS	296.00	17,318,100
Pears, (Bart-	1990	2,797	17.3	48,365.0	TONS	283.00	13,696,100
lett, total)	1989	2,512	22.8	57,374.0	TONS	288.00	16,507,700
070,0				00 500 0	movic	212 00	6 000 000
Canning	1990			29,532.0	TONS	213.00	6,290,300
4	1989			36,859.0	TONS	230.00	8,477,600
Fresh <sup>2</sup>	1990			13,835.0	TONS	510.00	7,055,900
rresn-	1989			14,818.0	TONS	515.00	7,631,300
	1 30 3			14,010.0	10115	313.00	7,001,000
Other (dried	1990			4,998.0	TONS	70.00	349,900
paste, fer-	1989			5,697.0	TONS	70.00	398,800
mented)				.,			
			TELL				
Pears, Bosc <sup>2</sup>	1990	76	7.7	584.0	TONS	818.00	477,700
	1989	60	11.2	675.0	TONS	750.00	506,200
Pears, Red2	1990	99	8.6	847.0	TONS	561.00	475,200
	1989	74	7.2	530.0	TONS	574.00	304,200
Prunes	1990	53	2.5	131.0	TONS	784.00	102,700
	1989	55	3.2	176.0	TONS	763.00	134,300
1111							
Miscellaneous <sup>1</sup>		94					373,800
	1989	184					365,800
momat c	100-					-0.	mus 040 100
TOTALS		15,205					\$46,348,400
	1989	14,651					\$65,842,200

<sup>&</sup>lt;sup>1</sup>Miscellaneous includes berries, cherries, chestnuts, kiwifruit, peaches, persimmons, walnuts, and other pears.

 $<sup>^2</sup>$ The fresh values listed for pears are F.O.B. values. The actual average values received by the growers for 1990 were: Bartlett \$209, Bosc \$455, and Red \$231. The values in 1989 were: Bartlett \$216, Bosc \$417, and Red \$330.

FRUIT, NUT, AND GRAPEVINE ACREAGE

CROP	ACRES BEARING	ACRES NON-BEARING	TOTAL
Apples	745	1	746
Wine Grapes, Total	11,355	1,212 459	12,567
Black White Rootstock	5,666 5,675 14	667	6,125 6,342 100
Pears, Bartlett	2,797	5	2,802
Pears, Red	99	15	114
Pears, Bosc	76	41	117
Prunes	53	1	54
Walnuts, English	80	0	80
Miscellaneous1	94	81	175
TOTALS	15,299	1,356	16,655

<sup>&</sup>lt;sup>1</sup>Miscellaneous includes: berries, black walnuts, cherries, chestnuts, feijoas, kiwis, peaches, persimmons, pistachios, plums, table grapes and other pears.

## JANUARY 1, INVENTORIES OF LIVESTOCK AND POULTRY

COMMODITY	1990	1991
All Cattle and Calves	28,000	27,700
Beef Cows and Heifers, 2 years and older	13,700	13,800
Milk Cows	1,500	1,100
Sheep and Lambs, all	22,800	21,000
Swine	600	700
All Poultry	75,000	75,000

#### LIVESTOCK PRODUCTION

		NO. OF	TOTAL		PER		
COMMODITY	YEAR	HEAD	LIVE WT.	UNIT	UNIT		VALUE
			S. S. Av., Ed. 5	0,64			
Cattle and	1990	13,057	104,456	CWT	\$68.26	\$7	,130,500
Calves	1989	14,819	118,552	CWT	\$65.21	\$7	,731,300
Sheep and	1990	13,505	12,843	CWT	\$41.43	\$	532,100
Lambs	1989	12,009	11,695	CWT	\$44.85	\$	524,600
Swine	1990	691	1,099	CWT	\$58.40	\$	64,200
	1989	228	527	CWT	\$46.30	\$	24,400
Miscellaneous1	1990					S	630,000
	1989					\$	575,000
				i de la composición dela composición de la composición dela composición de la compos			
TOTALS	1990					\$8	,356,800
	1989						,855,300

 $<sup>^{1}\</sup>mathrm{Miscellaneous}$  includes horses, poultry, rabbits, and aquaculture (fish farms).

## LIVESTOCK, POULTRY, AND APIARY PRODUCTS

COMMODITY	0.30	YEAR	PRODUCTION	UNIT	PER UNIT	VALUE
SUJAV.						
Wool <sup>1</sup>	*	1990	156,900	LBS.	\$0.59	\$ 92,600
		1989	154,600	LBS.	1.20	185,500
	86 41					
Miscellaned	ous <sup>2</sup>	1990				2,225,500
		1989				2,199,500
TOTALS	3	1990				\$2,318,100
objecte		1989				\$2,385,000

 $<sup>^{1}\</sup>mbox{Wool}$  does not include A.S.C.S. Wool Incentive Payments. This is a preliminary report.

<sup>21989</sup> Revised

<sup>2</sup>Miscellaneous includes apiary, eggs, milk, cheese, and manure.

#### NURSERY PRODUCTION

		GREENHOUSE	FIELD	
COMMODITY	YEAR	SQUARE FEET	ACRES	VALUES
Nursery <sup>1</sup>	1990	228,730	113	\$1,815,000
	1989	134,433	377	2,117,400
Christmas Trees	1990	NA	315	353,200
	1989	NA	500	520,600
TOTALS	1990	228,730	428	\$2,168,200
	1989	134,433	877	\$2,638,000

<sup>1</sup> Includes turf and cut flowers

## VEGETABLE CROPS

COMMODITY	YEAR	VALUES
Miscellaneous	1990	\$1,052,400
Vegetables <sup>1</sup>	1989	\$980,000

<sup>1</sup>Includes beans, sweet corn, garlic, herbs, melons, peas,
potatoes, squash, tomatoes, etc.

## THE CROPS

			YIELD/	TOTAL	PER	
COMMODITY	YEAR	ACRES	ACRE	YIELD	AUM	VALUES
Irrigated	1990	6,250	8.00 AUM	50,000	\$14.50	\$ 725,000
Pasture	1989	6,250	8.00 AUM	50,000	14.35	717,500
Pasture, Other	1990	365,000	.38 AUM	138,700	9.50	1,317,700
(Grassland, Coast Bench)	1989	365,000	.65 AUM	237,250	9.00	2,135,300
Range	1990	355,000	.26 AUM	92,300	6.50	600,000
	1989	355,000	.45 AUM	159,750	6.00	958,500
Miscellaneous1	1990					3,000,000
	1989					2,750,000
TOTALS	1990					\$5,642,700
	1989					\$6,561,300

 $<sup>^{1}\</sup>mbox{Miscellaneous includes alfalfa, barley, beans, corm, oats, hay and wild rice.$ 

## FOREST PRODUCTS

	1990	1989
TIMBER:		
Log Production (board feet)1	422,700,000	515,300,000
Total Stumpage Value, net2	\$ 92,207,000	\$ 91,379,000
Total Value at Mill, gross3	\$149,213,000	\$158,712,000

## FOREST PRODUCTS

## 10 YEAR COMPARISON (LOG PRODUCTION)

Year	Log Production <sup>1</sup> (Board Feet)	Value at Mill <sup>3</sup> (Gross)		
1981	346.800.000	111 700 000		
1982	310.400.000	111,700,000 93,100,000		
1983	386,700,000	108,300,000		
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		

 $<sup>^{1}\</sup>mathrm{Data}$  supplied from State Board of Equalization, Timber Tax Division.

<sup>&</sup>lt;sup>2</sup>Stumpage value is the raw product value of a tree prior to actual harvest. Data from State Board of Equalization.

 $<sup>^3</sup>$ Includes logging and hauling costs. Data based on information from Peter C. Passof, UC Cooperative Extension.

# \*\* ALL COMMODITIES \*\* ALL COMMODITIES \*\* TEN YEAR VALUE COMPARISON

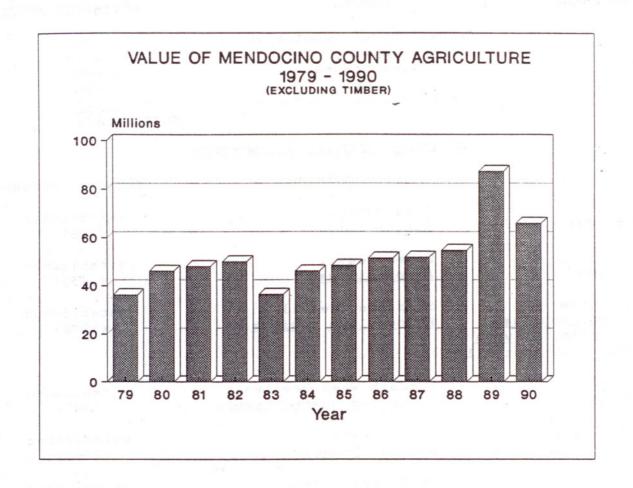
			LIVESTOCK, POULTRY &				
	FRUIT &	LIVESTOCK	APIARY	NURSERY	VEGETABLE	FIELD	
YEAR	NUTS	PRODUCTION	PRODUCTS	PRODUCTION	CROPS	CROPS	TOTALS
1981	29,178,150	7,697,000	1,931,150	990,500	480,500	7,720,000	47,997,300
1982	27,687,360	11,968,000	1,730,000	1,468,500	420,000	6,712,000	49,985,860
1983	19,975,900	7,742,000	1,697,800	1,539,000	390,000	5,017,000	36,361,700
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	1,921,600	2,485,000	830,000	5,865,300	51,863,800
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	8,855,3001	2,385,000	2,638,000	980,000	6,561,300	87,261,8001
1990	46,348,400	8,356,800	2,318,100	2,168,200	1,052,400	5,642,700	65,886,600

<sup>&</sup>lt;sup>1</sup>Revised

# COMMERCIAL FISH CATCH TEN YEAR VALUE COMPARISON<sup>1</sup>

YEAR	POUNDS	VALUE
1981	16,622,000	7,004,000
1982	18,868,000	8,284,500
1983	14,425,000	4,244,000
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

<sup>&</sup>lt;sup>1</sup>Source--State of California Department of Fish and Game



## 1990 MILLION DOLLAR CROPS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

- 1. TIMBER......149,213,000
  - 2. WINEGRAPES.........28,362,400
    - 3. PEARS......14,649,000
      - 4. CATTLE & CALVES.....7,130,500

## SUSTAINABLE AGRICULTURE

## ORGANIC FARMS

NUMBER	OF	FARMS	CROPS	E	STIMATED	ACRES
	40		Miscellaneous vegetables		74	
	20		Apples		424	
	26		Wine grapes		1,173	
	5		Pears		135	
	30		Miscellaneous Fruit & Nut		67	
TOTAL :	121			TOTAL	1,873	

## BIOLOGICAL CONTROL

PEST	AGENT/MECHANISM	SCOPE OF PROGRAMS
Canada Thistle Cirsium arvense	Flea Beetle Altica carduorum	established (1966)
Gorse Ulex europaeus	Gorse Weevil Apion ulicus	established (1953)
Italian Thistle <u>Carduus pycnocephalus</u> Milk Thistle, <u>Silybum</u> <u>marianum</u> also controlled	Seed Head Weevil Rhinocyllus conicus	established (1976)
Klamath Weed Hypericum perforatum	Klamath Weed Beetles Crysolina quatridgemena	established (1947)
Klamath Weed Hypericum perforatum	Root Borers Agrilus hyperici	established (1963)
Musk Thistle Carduus nutans	Seed Head Weevil Rhinocyllus conicus	established (1979)
Puncture Vine Tribulus terrestris	Seed Weevil Microlarinus lareynii	established (1962)
Tansy Ragwort Senecio jacobaea	Cinnabar Moth Tyria jacobaea	established (1959)
Tansy Ragwort Senecio jacobaea	Flea Beetle Longitarsus jacobaea	established (1968)
Yellow Star Thistle Centaurea solstitialis	Seed Head Weevil Bangasternus orientalis	Nursery Site (1988)
Yellow Star Thistle Centaurea solstitialis	Gall Forming Seed Fly Urophora sirunaseva	Nursery Site (1990)

## PEST EXCLUSION

VARIOUS PESTS	TYPE OF SHIPMENT	NUMBER REJECTED	
Miscellaneous pests	Mail	22	
Label Violations	Mail	3	

# SUPPLEMENT TO CROP REPORT COMMERCIAL FISH CATCH1

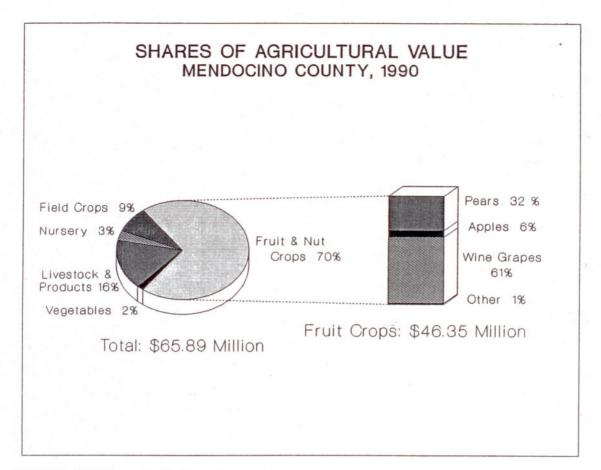
				VALUE
Sea Urchin	1990 1989	12,472,400 21,823,360	th th	4,812,440 6,261,980
Salmon, Chinook	1990	563,490		1,520.669
	1989	1,116,053		2,499,107
Rockfish, Unspecified		1,860,031		578,062
	1989	2,088,841		591,831
Sablefish	1990	1,005,790		572.779
	1989	1,065,540		464,691
Rockfish, Group Red	1990	1,290,616		480,706
	1989	966,949		389,544
Sole, Dover	1990	1,551,410		439,372
	1989	2,151,320		595,395
Swordfish	1990	99,011		355,973
	1989			
Crab, Dungeness	1990	192,865		305,796
	1989	81,600		109,653
Hagfish	1990	867,976		275,654
	1989	42,980		17,192
Shrimp, Pacific Ocean	1990	519,083		245,904
	1989	832,548		310,845
Salmon, Coho	1990	108,222		211,271
	1989	114,761		201,927
Thornyhead	1990	537,381		203,871
	1989	701,550		260,253
Lingcod	1990	557,200		199,516
	1989	530,385		189,250
Rockfish, Widow	1990	628,591		169,650
	1989	235,264		62,316
Sole, Petrale	1990	156,157		117,281
	1989	257,198		189,746
Miscellaneous	1990	1,084,247		427,906
	1989	1,218,480		560,238
TOTALS	1990 1989	23,494,470 33,226,829		10,916,850

 $<sup>^{1}\</sup>mathrm{Source}$  of figures is the "California Department of Fish and Game". ALL figures are preliminary.

## UKIAH 101 YEAR RAINFALL DATA

(FROM UKIAH FIRE DEPARTMENT RECORDS)

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



PLEASE NOTE: Totals throughout may not add due to rounding.

## SUMMARY OF PRODUCTION

COMMODITY	1989	1990
Fruits and Nuts	\$ 65,842,200	\$ 46,348,400
Livestock Production	8,855,3002	8,356,800
Livestock, Poultry and Apiary Products	2,385,000	2,318,100
Nursery Production	2,638,000	2,168,200
Vegetable Crops	980,000	1,052,400
Field Crops	6,561,300	5,642,700
Forest Products	158,712,0001 & 2	149,213,000
TOTALS	\$ 245,973,8002	\$ 215,099,600

Includes value of cut timber when delivered to the mill.
1989 revised.