



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

The **total gross agricultural value** for commodities produced in 1992 was **\$215,883,500**. This is an increase of \$31,243,000 over the 1991 crop production due mostly to increases in forest products and winegrapes. The leading category was forest products with a value of \$127,959,000, up 21% from the 1991 figure of \$105,990,000. The **agricultural production value, excluding timber**, was **\$87,924,500**, an increase of \$9,274,000 over the 1991 value and a new county record.

Grapes were the second leading agricultural crop with a value of \$44,262,600, a 21% increase over the 1991 figure. New county records were set for total production and yield per acre.

Total pear production was 56,047 tons, up slightly from 1991, but because of lower prices, the total value was slightly down from 1991 to \$17,015,100.

Vegetable production has been steadily increasing every single year. Many of the producers sell their products through the farmers' markets. On page 12 you will find an essay written about this method of marketing.

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,

David Bengston
Agricultural Commissioner

MENDOCINO COUNTY
DEPARTMENT OF AGRICULTURE

DAVID BENGSTON
Agricultural Commissioner
Director of Weights and Measures

ANNUAL CROP REPORT FOR YEAR 1992

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FRUIT AND NUT CROPS

COMMODITY	YEAR	BEARING ACREAGE	PER ACRE	PRODUCTION IN TONS	\$ PER TON	VALUE
APPLES, TOTAL	1992	705	12.4	8,747	323	\$2,823,600
	1991	757	7.8	5,933.0	334	\$1,982,300
Fresh	1992			3,499.0	573	\$2,004,900
	1991			2,729.0	562	\$1,533,800
Other(dried, Juice, etc)	1992			5,248.0	156	818,700
	1991			3,204.0	140	448,500
GRAPES, TOTAL	1992	11,143	5.5	61,135.3	724	44,262,000
WINE	1991	11,281	4.6	51,551.1	707	36,446,600
White varieties	1992	5,536	5.7	31,731.5		
	1991	5,506	5.1	27,915.2		
Red varieties	1992	5,607	5.2	29,403.8		
	1991	5,775	4.1	23,635.9		
PEARS, TOTAL	1992	3,034	18.4	56,047.0	304	17,015,100
	1991	3,007	18.4	55,347.0	318	17,577,900
Bartlett	1992	2,792	19.1	53,336.0	286	15,246,600
	1991	2,800	19.2	53,670.0	306	16,398,000
Canning	1992			34,469.0	228	7,858,900
	1991			33,741.0	229	7,726,700
Fresh ²	1992			11,928.0	535	6,381,500
	1991			14,211.0	578	8,214,000
Other(ferment paste,dried)	1992			6,939.0	145	1,006,200
	1991			5,718.0	80	457,400
Bosc ²	1992	110	15.2	1,674.0	725	1,213,700
	1991	88	9.7	855.0	755	645,500
Red ²	1992	132	7.9	1,037.0	535	554,800
	1991	119	6.9	822.0	650	534,300
PRUNES	1992	63	2.6	163.0	945	154,000
	1991	62	2.4	151.0	875	132,100
MISCELLANEOUS	1992	160				1,258,000
	1991	175				1,186,000
TOTALS	1992	15,105				65,512,700
	1991	15,282				57,324,900

¹Miscellaneous includes berries, cherries, chestnuts, other pears, peaches, persimmons, pistachios and walnuts.

²The 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 1991 were: Bartlett \$209, Bosc \$478, and Red \$330.

FRUIT, NUT AND GRAPEVINE ACREAGE

CROP	ACRES BEARING	ACRES NON-BEARING	TOTAL
APPLES	705	1	706
WINE GRAPES, TOTAL	11,164	1,317	12,481
Black	5,607	615	6,222
White	5,536	645	6,181
Rootstock	21	57	78
PEARS, TOTAL	3,109	32	3,141
Bartlett	2,792	2	2,794
Red	132	8	140
Bosc	110	10	120
Other	75	12	87
PRUNES	63	0	63
WALNUTS, ENGLISH	50	0	50
MISCELLANEOUS ¹	60	3	63
TOTALS	15,151	1,353	16,504

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

JANUARY 1 INVENTORIES OF LIVESTOCK ¹

COMMODITY	1992	1993
All Cattle and Calves	27,000	30,000
Beef Cows and Heifers, 2 years and older	14,000	15,000
Milk Cows	1,400	1,500
Sheep and Lambs, all	20,000	18,000
Swine**	600**	800**

¹Inventory is Livestock on hand, not to be confused with production.
 **Swine is December 1 Inventory

LIVESTOCK PRODUCTION

COMMODITY	YEAR	NO. OF HEAD	TOTAL CWT* LIVE WT.	\$ PER UNIT	\$ VALUE
Cattle and calves	1992	10,035	80,280	64.08	5,145,000
	1991	14,000	112,000	66.97	7,501,000
Sheep and lambs	1992	12,268	11,593	44.43	515,100
	1991	11,176	10,802	35.65	385,200
Swine	1992	592	915	47.10	43,100
	1991	792	1,015	57.90	58,800
Miscellaneous ¹	1992				640,000
	1991				630,000
TOTALS					
	1992				\$6,343,200
	1991				\$8,575,000

¹Miscellaneous includes horses, poultry, rabbits, and aquaculture (fish farms).

* CWT=100 lbs

LIVESTOCK, POULTRY AND APIARY PRODUCTS

COMMODITY	YEAR	PRODUCTION IN LBS.	PER UNIT	\$ VALUE
Wool	1992	122,360	\$0.68	\$ 83,200
	1991	127,090	0.55	69,900
Miscellaneous ¹	1992			\$3,766,900
	1991			\$2,072,000
TOTALS				
	1992			\$3,850,100
	1991			\$2,141,900

¹Miscellaneous includes apiary, eggs, milk, cheese, and manure.

NURSERY PRODUCTION

COMMODITY	YEAR	GREENHOUSE SQUARE FEET	FIELD ACRES	\$ VALUES
Nursery ¹	1992	237,956	92	\$2,159,800
	1991	234,998	83	\$2,112,000
Christmas trees	1992	NA	272	436,000
	1991	NA	259	212,000
TOTALS	1992	237,956	364	\$2,595,800
	1991	234,998	342	\$2,324,100

¹ Includes turf and cut flowers

VEGETABLE CROPS

COMMODITY	YEAR	\$ VALUES
Miscellaneous vegetables	1992	\$1,284,800
	1991	\$1,067,300

¹ 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	1992	6,250	8.00 AUM*	50,000	\$17.00	\$ 850,000
	1991	6,250	8.00 AUM	50,000	\$14.50	\$ 725,000
Pasture, Other (grassland, coast bench)	1992	365,000	.65 AUM	237,250	11.00	\$2,609,800
	1991	365,000	.65 AUM	237,250	9.50	2,253,900
Range	1992	355,000	.45 AUM	159,750	7.50	\$1,198,100
	1991	355,000	.45 AUM	159,750	6.50	1,038,400
Miscellaneous ¹	1992					\$3,680,000
	1991					3,200,000
TOTALS	1992					\$8,337,900
	1991					7,217,300

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

¹ Miscellaneous includes alfalfa, barley, beans, corn, oats, hay & wild rice.

FOREST PRODUCTS

	1991	1992
TIMBER:		
Log Production (board feet) ¹	275,300,000	250,900,000
Total Stumpage Value, net ²	\$ 66,900,000	\$ 90,331,000
Total Value at Mill, gross ³	\$105,990,000	\$127,959,000

FOREST PRODUCTS

10 YEAR COMPARISON (LOG PRODUCTION)

Year	Log Production ¹ (Board Feet)	Value at Mill ³ (Gross)
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
1991	275,300,000	\$105,990,000
1992	250,900,000	\$127,959,000

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, UC Cooperative Extension.

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

TEN YEAR VALUE COMPARISON

YEAR	FRUIT & NUTS	LIVESTOCK PRODUCTION	LIVESTOCK, POULTRY & APIARY PRODUCTS	NURSERY PRODUCTION	VEGETABLE CROPS	FIELD CROPS	TOTALS
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	1,921,000	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	8,855,300	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	6,343,200	3,850,100	2,595,800	1,284,800	8,337,900	87,924,500

COMMERCIAL FISH CATCH ¹

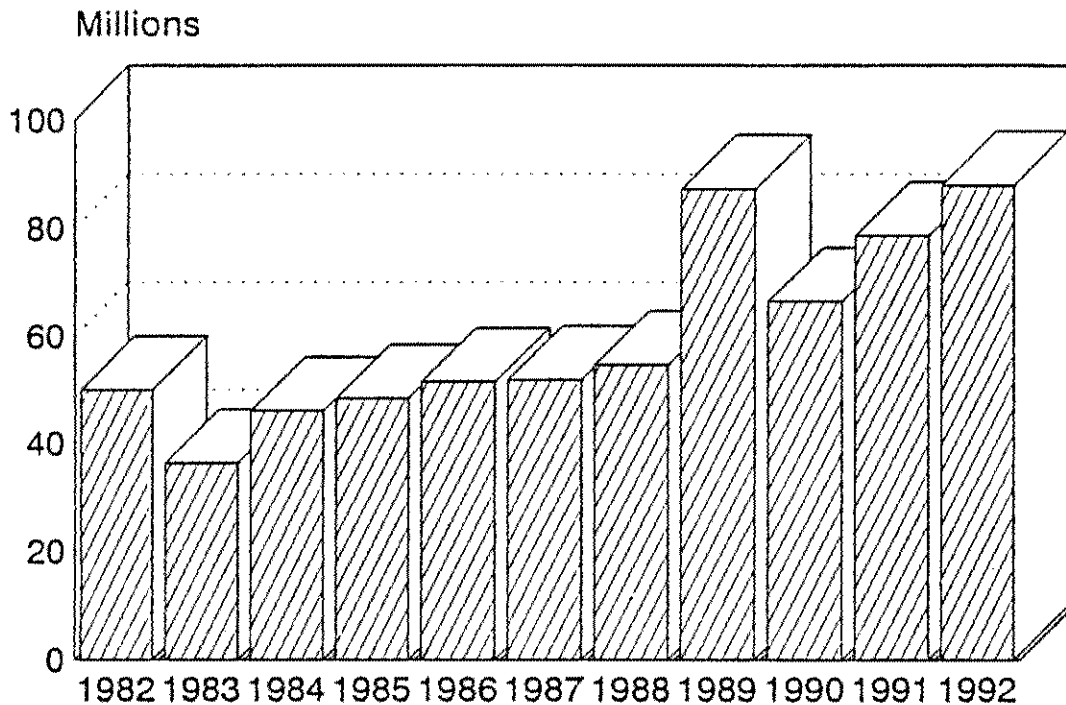
TEN YEAR VALUE COMPARISON

<u>YEAR</u>	<u>POUNDS</u>	<u>VALUE</u>
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
1991	21,031,500	13,842,500
1992	15,697,000	10,158,500

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

VALUE OF MENDOCINO COUNTY AGRICULTURE

1982-1992
(EXCLUDING TIMBER)



1992 MILLION DOLLAR CROPS

1. TIMBER.....\$127,959,000
2. WINEGRAPES.....\$44,262,000
3. PEARS.....\$17,015,100
4. CATTLE & CALVES.....\$5,145,000
5. APPLES.....\$2,823,600
6. PASTURE.....\$2,609,800
7. NURSERY.....\$2,595,800
8. RANGE.....\$1,198,100

SUSTAINABLE AGRICULTURE

ORGANIC FARMS

NUMBER OF FARMS	CROPS	ACRES
65	Miscellaneous vegetables	97
23	Apples	479
37	Wine grapes	1,729
3	Pears	193
20	Miscellaneous Fruit & Nut	72
TOTAL 148*		TOTAL 2,570
(*crops overlap)		

BIOLOGICAL CONTROL

PEST	BIO-AGENT	STATUS
Canada Thistle <u>Cirsium arvense</u>	Flea Beetle <u>Altica carduorum</u>	est. 1966
Gorse <u>Ulex europaeus</u>	1. Gorse weevil <u>Apion ulicus</u> 2. Tip feeding moth <u>Agonopterix nervosa</u>	est. 1953 est. 1986
Italian Thistle <u>Carduus tenuiflorus</u> <u>Carduus pycnocephalus</u> and Milk Thistle <u>Silybum marianum</u>	Seed Head Weevil <u>Rhinocyllus conicus</u> <u>Rhinocyllus conicus</u>	est. 1976
Klamath Weed <u>Hypericum perforatum</u>	1. Klamath Weed Beetles <u>Crysolina quatridgemena</u> 2. Root Borers <u>Agrilus hyperici</u>	est. 1947 est. 1963
Puncture Vine <u>Tribulus terrestris</u>	Seed Weevil <u>Microlarinus lareynii</u>	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 Seed 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>	Wasps <u>Encarsia spp.</u>	est. 1991

PEST EXCLUSION

PROBLEM	TYPE OF SHIPMENT	NO. REJECTED
Miscellaneous pests	Mail	2
Label Violations	Mail	14

SUPPLEMENT TO CROP REPORT COMMERCIAL FISH CATCH

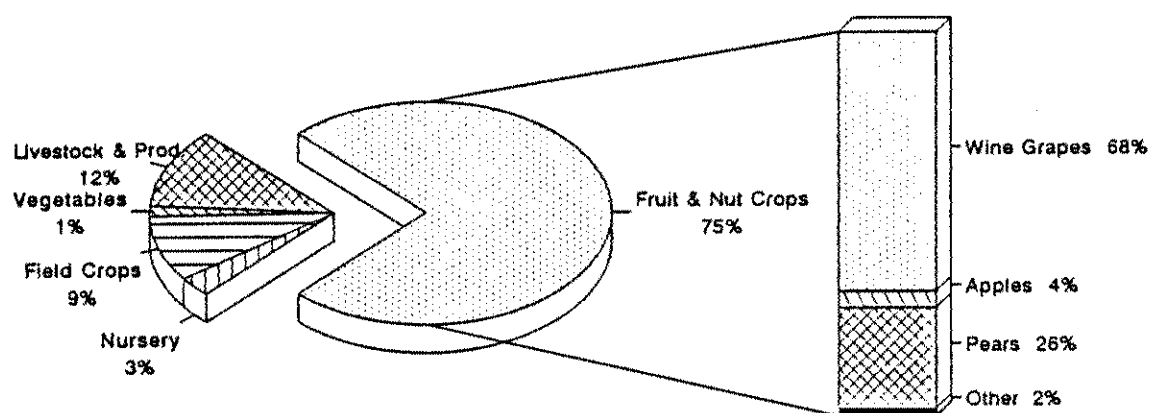
COMMODITY	YEAR	POUNDS	VALUE
URCHIN, SEA	1992	8,007,270	\$6,454,020
	1991	10,977,190	\$8,351,450
SABLEFISH	1992	1,303,110	\$701,186
	1991	1,338,890	\$798,174
SOLE, DOVER	1992	2,172,130	\$643,894
	1991	2,517,850	\$781,510
THORNYHEAD	1992	891,817	\$434,114
	1991	597,277	\$275,961
SWORDFISH	1992	133,390	\$379,159
	1991	111,097	\$451,248
ROCKFISH, UNSPECIFIED	1992	1,026,240	\$348,565
	1991	1,716,051	\$553,911
SOLE, PETROLE	1992	207,639	\$165,747
	1991	245,348	\$199,569
CRAB, DUNGENESS	1992	137,692	\$171,183
	1991	128,837	\$208,409
ROCKFISH, GROUP RED	1992	313,225	\$139,544
	1991	721,237	\$262,795
LINGCOD	1992	307,892	\$125,727
	1991	376,424	\$138,544
SOLE, ENGLISH	1992	242,336	\$89,605
	1991	290,890	\$109,935
TUNA, ALBACORE	1992	79,975	\$82,893
	1991	17,881	\$13,099
SOLE, REX	1992	153,188	\$55,137
	1991	250,608	\$89,306
SALMON, CHINOOK	1992	21,483	\$54,456
	1991	431,541	\$1,056,959
URCHIN, PURPLE SEA	1992	98,896	\$52,376
	1991	127,747	\$62,526
MISCELLANEOUS	1992	600,574	\$260,888
	1991	667,898	\$376,018
TOTALS	1992	15,696,857	\$10,158,494
	1991	21,031,610	\$13,842,470

UKIAH 104 YEAR RAINFALL DATA
(FROM UKIAH FIRE DEPARTMENT RECORDS)

SEASON	TOTAL	SEASON	TOTAL	SEASON	TOTAL
1988-89	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		
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, 1992



Total: \$65.51 Million

Total: \$87.92 Million

SUMMARY OF PRODUCTION

COMMODITY	1991	1992
Fruits and Nuts	\$ 57,324,900	\$ 65,512,700
Livestock Production	8,575,000	6,343,200
Livestock, Poultry and Apiary Products	2,141,900	3,850,100
Nursery Production	2,324,100	2,595,800
Vegetable Crops	1,067,300	1,284,800
Field Crops	7,217,300	8,337,900
Forest Products	105,990,000	127,959,000
TOTALS	\$184,640,500	\$215,883,500

FARMERS' MARKETS IN MENDOCINO COUNTY 1992

Farmers' markets are booming all over the United States of America, and Mendocino County is proud to have a long a successful history in this agricultural endeavor.

The first farmers' market started in Ukiah in 1976. The first years, it was small and slow growing. In 1989, Ukiah started selling on Tuesday and Saturday. Fort Bragg opened their farmers' market that same year on Wednesday afternoons. In 1990, Willits started a Thursday afternoon farmers' market at their city park. 1991 saw Boonville start a Saturday morning market. In 1992, Laytonville and Hopland opened Sunday afternoon farmers' markets.

We can now announce that the small town of Comptche will open a farmers' market in 1993 on Sunday afternoons at the old Comptche School.

The cities of Mendocino and Point Arena also have farmers' markets but they do not belong to the Redwood Empire Farmers' Market Association, so these statistics do not include them.

Each market operates as an autonomous entity. They select their own market manager, handle their own advertising and promotion, and set their dates and hours of operation. Our protocols ask only that they inform the REFMA president of their plans so conflicts can be avoided.

Farmers' markets are a direct marketing enterprise that brings the grower face to face with the customer. Obviously, this leaves out middlemen, so the farmer realizes more profit.

We are a big hit with the public, if we may boast. Our customers appear to be having a good time at our markets. It is a social and educational time. Growers can give accurate and knowledgeable answers to the direct questions of buyers; they develop their own clientel seeking them out each market day, and many friendships are made. The fun we all have is a dimension most newcomers do not anticipate.

We adhere to many regulations to bring the public top quality produce that is often organically grown and picked fresh and ripe, frequently just prior to going to market. We are not allowed to resell produce grown by another grower. That is what Certified Farmers' Market means. We have all been qualified by the Agricultural Commissioner's Office as the true grower of the farm commodities you see before you.

Exact figures of the economic importance of farmers' markets to Mendocino County are difficult to ascertain but based on the 5% commission paid to market managers, we are approaching gross sales of \$200,000.

Richard Leamon, Vice President
Redwood Empire Farmers' Market Assoc.