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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Mendocino County

1990-1994

DAVE BENGSTON
AGRICULTURAL COMMISSIONER
DIRECTOR OF WEIGHTS
AND MEASURES



OFFICE LOCATION
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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,

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 1990

STAFF

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Assistant Director of Weights and Measures

K.F. FARNSWORTH, II.....Agricultural Inspector/Deputy Sealer of
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Chairman

FRUIT AND NUT CROPS

| COMMODITY | YEAR | BEARING ACREAGE | PER ACRE | PRODUCTION | UNITS | PER UNIT | VALUE |
|---|------|--------------------|-------------|------------|-------|-------------|--------------|
| APPLES, TOTAL | 1990 | 745 | 13.4 | 10,011.0 | TONS | \$286.00 | \$ 2,860,500 |
| | 1989 | 700 | 13.7 | 9,643.0 | TONS | 249.00 | 2,405,100 |
| Fresh | 1990 | | | 4,273.0 | TONS | 515.00 | 2,200,600 |
| | 1989 | | | 3,954.0 | TONS | 450.00 | 1,779,300 |
| Other (dried, juice, etc.) | 1990 | | | 5,738.0 | TONS | 115.00 | 659,900 |
| | 1989 | | | 5,689.0 | TONS | 110.00 | 625,800 |
| GRAPES, TOTAL WINE | 1990 | 11,341 | 3.5 | 39,778.9 | TONS | 713.00 | 28,362,400 |
| | 1989 | 11,066 | 5.3 | 59,168.5 | TONS | 771.00 | 45,618,900 |
| White Varieties | 1990 | 5,675 | 3.4 | 19,178.5 | TONS | | |
| | 1989 | 5,584 | 5.6 | 31,125.4 | TONS | | |
| Red Varieties | 1990 | 5,666 | 3.6 | 20,600.4 | TONS | | |
| | 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- lett, total) | 1990 | 2,797 | 17.3 | 48,365.0 | TONS | 283.00 | 13,696,100 |
| | 1989 | 2,512 | 22.8 | 57,374.0 | TONS | 288.00 | 16,507,700 |
| Canning | 1990 | | | 29,532.0 | TONS | 213.00 | 6,290,300 |
| | 1989 | | | 36,859.0 | TONS | 230.00 | 8,477,600 |
| Fresh ² | 1990 | | | 13,835.0 | TONS | 510.00 | 7,055,900 |
| | 1989 | | | 14,818.0 | TONS | 515.00 | 7,631,300 |
| Other (dried, paste, fer- mented) | 1990 | | | 4,998.0 | TONS | 70.00 | 349,900 |
| | 1989 | | | 5,697.0 | TONS | 70.00 | 398,800 |
| Pears, Bosc ² | 1990 | 76 | 7.7 | 584.0 | TONS | 818.00 | 477,700 |
| | 1989 | 60 | 11.2 | 675.0 | TONS | 750.00 | 506,200 |
| Pears, Red ² | 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 |
| Miscellaneous ¹ | 1990 | 94 | | | | | 373,800 |
| | 1989 | 184 | | | | | 365,800 |
| TOTALS | 1990 | 15,205 | | | | | \$46,348,400 |
| | 1989 | 14,651 | | | | | \$65,842,200 |

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

²The 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 | 12,567 |
| Black | 5,666 | 459 | 6,125 |
| White | 5,675 | 667 | 6,342 |
| Rootstock | 14 | 86 | 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 |
| Miscellaneous ¹ | 94 | 81 | 175 |
| TOTALS | 15,299 | 1,356 | 16,655 |

¹Miscellaneous 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

| COMMODITY | YEAR | NO. OF HEAD | TOTAL LIVE WT. | UNIT | PER UNIT | VALUE |
|----------------------------|------|-------------|----------------|------|----------|--------------------------|
| Cattle and Calves | 1990 | 13,057 | 104,456 | CWT | \$68.26 | \$7,130,500 |
| | 1989 | 14,819 | 118,552 | CWT | \$65.21 | \$7,731,300 ² |
| Sheep and Lambs | 1990 | 13,505 | 12,843 | CWT | \$41.43 | \$ 532,100 |
| | 1989 | 12,009 | 11,695 | CWT | \$44.85 | \$ 524,600 ² |
| Swine | 1990 | 691 | 1,099 | CWT | \$58.40 | \$ 64,200 |
| | 1989 | 228 | 527 | CWT | \$46.30 | \$ 24,400 |
| Miscellaneous ¹ | 1990 | | | | | \$ 630,000 |
| | 1989 | | | | | \$ 575,000 |
| TOTALS | 1990 | | | | | \$8,356,800 |
| | 1989 | | | | | \$8,855,300 ² |

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

²1989 Revised

LIVESTOCK, POULTRY, AND APIARY PRODUCTS

| COMMODITY | YEAR | PRODUCTION | UNIT | PER UNIT | VALUE |
|----------------------------|------|------------|------|----------|-------------|
| Wool ¹ | 1990 | 156,900 | LBS. | \$0.59 | \$ 92,600 |
| | 1989 | 154,600 | LBS. | 1.20 | 185,500 |
| Miscellaneous ² | 1990 | | | | 2,225,500 |
| | 1989 | | | | 2,199,500 |
| TOTALS | 1990 | | | | \$2,318,100 |
| | 1989 | | | | \$2,385,000 |

¹Wool does not include A.S.C.S. Wool Incentive Payments. This is a preliminary report.

²Miscellaneous includes apiary, eggs, milk, cheese, and manure.

NURSERY PRODUCTION

| COMMODITY | YEAR | GREENHOUSE SQUARE FEET | FIELD ACRES | VALUES |
|----------------------|------|---------------------------|----------------|-------------|
| Nursery ¹ | 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 |

¹Includes turf and cut flowers

VEGETABLE CROPS

| COMMODITY | YEAR | VALUES |
|--|------|-------------|
| Miscellaneous Vegetables ¹ | 1990 | \$1,052,400 |
| | 1989 | \$980,000 |

¹Includes beans, sweet corn, garlic, herbs, melons, peas, potatoes, squash, tomatoes, etc.

FIELD CROPS

| COMMODITY | YEAR | ACRES | YIELD/ ACRE | TOTAL YIELD | PER AUM | VALUES |
|---|------|---------|----------------|----------------|------------|-------------|
| Irrigated Pasture | 1990 | 6,250 | 8.00 AUM | 50,000 | \$14.50 | \$ 725,000 |
| | 1989 | 6,250 | 8.00 AUM | 50,000 | 14.35 | 717,500 |
| Pasture, Other (Grassland, Coast Bench) | 1990 | 365,000 | .38 AUM | 138,700 | 9.50 | 1,317,700 |
| | 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 |
| Miscellaneous ¹ | 1990 | | | | | 3,000,000 |
| | 1989 | | | | | 2,750,000 |
| TOTALS | 1990 | | | | | \$5,642,700 |
| | 1989 | | | | | \$6,561,300 |

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

FOREST PRODUCTS

| | 1990 | 1989 |
|--|---------------|---------------|
| TIMBER: | | |
| Log Production (board feet) ¹ | 422,700,000 | 515,300,000 |
| Total Stumpage Value, net ² | \$ 92,207,000 | \$ 91,379,000 |
| Total Value at Mill, gross ³ | \$149,213,000 | \$158,712,000 |

FOREST PRODUCTS

10 YEAR COMPARISON (LOG PRODUCTION)

| Year | Log Production ¹ (Board Feet) | Value at Mill ³ (Gross) |
|------|---|---------------------------------------|
| 1981 | 346,800,000 | 111,700,000 |
| 1982 | 310,400,000 | 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 |

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

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

³Includes 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 |
|------|-----------------|-------------------------|---|-----------------------|--------------------|----------------|-------------------------|
| 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 | 8,855,300 ¹ | 2,385,000 | 2,638,000 | 980,000 | 6,561,300 | 87,261,800 ¹ |
| 1990 | 46,348,400 | 8,356,800 | 2,318,100 | 2,168,200 | 1,052,400 | 5,642,700 | 65,886,600 |

¹Revised

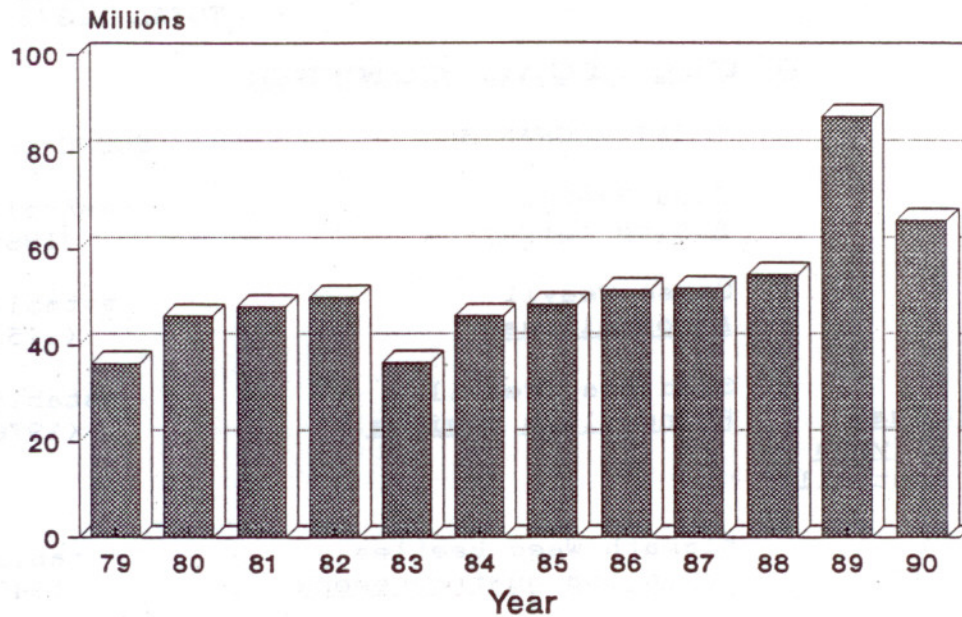
COMMERCIAL FISH CATCH

TEN YEAR VALUE COMPARISON¹

| 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 |

¹Source--State of California Department of Fish and Game

**VALUE OF MENDOCINO COUNTY AGRICULTURE
1979 - 1990
(EXCLUDING TIMBER)**



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
5. APPLES.....2,860,500
6. NURSERY.....1,815,000
7. PASTURE.....1,317,700

SUSTAINABLE AGRICULTURE

ORGANIC FARMS

| NUMBER OF FARMS | CROPS | ESTIMATED ACRES |
|-----------------|---------------------------|-----------------|
| 40 | Miscellaneous vegetables | 74 |
| 20 | Apples | 424 |
| 26 | Wine grapes | 1,173 |
| 5 | Pears | 135 |
| <u>30</u> | Miscellaneous Fruit & Nut | <u>67</u> |
| TOTAL 121 | | TOTAL 1,873 |

BIOLOGICAL CONTROL

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

| <u>COMMODITY</u> | <u>YEAR</u> | <u>POUNDS</u> | <u>VALUE</u> |
|-----------------------|-------------|-------------------|----------------------|
| Sea Urchin | 1990 | 12,472,400 | \$ 4,812,440 |
| | 1989 | 21,823,360 | \$ 6,261,980 |
| Salmon, Chinook | 1990 | 563,490 | 1,520,669 |
| | 1989 | 1,116,053 | 2,499,107 |
| Rockfish, Unspecified | 1990 | 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 | 23,494,470 | \$ 10,916,850 |
| | 1989 | 33,226,829 | \$ 12,703,968 |

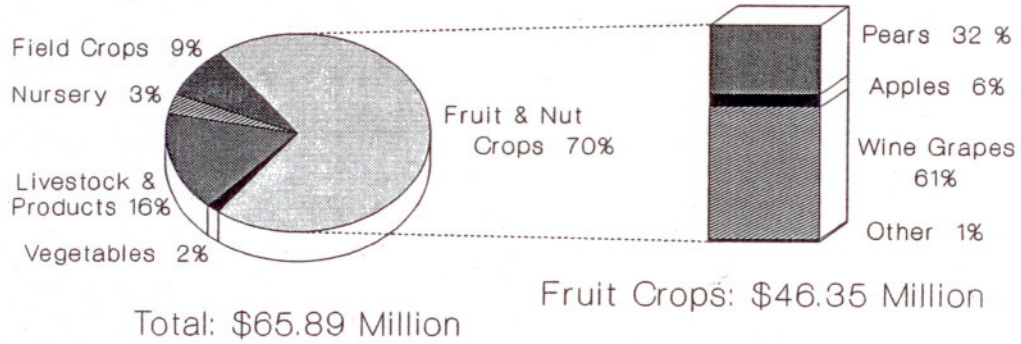
¹Source of figures is the "California Department of Fish and Game". ALL figures are preliminary.

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 |

**SHARES OF AGRICULTURAL VALUE
MENDOCINO COUNTY, 1990**



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

SUMMARY OF PRODUCTION

| <u>COMMODITY</u> | <u>1989</u> | <u>1990</u> |
|---|---|-----------------------|
| Fruits and Nuts | \$ 65,842,200 | \$ 46,348,400 |
| Livestock Production | 8,855,300 ² | 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 | 158,712,000 ¹ & ² | 149,213,000 |
| TOTALS | \$ 245,973,800² | \$ 215,099,600 |

1 Includes value of cut timber when delivered to the mill.
2 1989 revised.

DAVE BENGSTON
AGRICULTURAL COMMISSIONER
DIRECTOR OF WEIGHTS
AND MEASURES



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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 1991.

The total gross agricultural value for commodities produced in 1991 was \$184,640,500. This is a decrease of \$31,031,300 from the 1990 crop production due to a decrease of \$43,223,000 in forest products. The leading category was forest products with a value of \$105,990,000, down 29% from the 1990 figure of \$149,213,000. The log production of 275,300,000 board feet was the lowest production figure ever recorded since this office began reporting it in 1972. The agricultural production value, excluding timber, was \$78,650,500, an increase of \$12,191,700 over the 1990 value.

Grapes were the second leading agricultural crop with a value of \$36,446,600, a 29% increase over the 1990 figure.

The total pear crop value attained a record high of \$17,577,900, with a production of 55,347 tons.

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 appreciation to the many people in the agricultural and timber industries, my able 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 1991

STAFF

STEVEN HAJIK.....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

CARALYN GULSETH.....Department Clerk

ROSALIND PETERSON.....Pest Detection Trapper

BOARD OF SUPERVISORS

MARILYN J. BUTCHER.....District 1

NELSON REDDING.....District 2

JIM EDDIE.....District 3

LIZ HENRY, Chair.....District 4

NORMAN L. de VALL.....District 5

FRUIT AND NUT CROPS

| COMMODITY | YEAR | BEARING ACREAGE | PER ACRE | PRODUCTION | UNITS | PER UNIT | VALUE |
|---|------|--------------------|-------------|------------|-------|-------------|--------------|
| APPLES, TOTAL | 1991 | 757 | 7.8 | 5,933.0 | TONS | \$334.00 | \$1,982,300 |
| | 1990 | 745 | 13.4 | 10,011.0 | TONS | 286.00 | 2,860,500 |
| Fresh | 1991 | | | 2,729.0 | TONS | 562.00 | 1,533,800 |
| | 1990 | | | 4,273.0 | TONS | 515.00 | 2,200,600 |
| Other (dried, Juice, etc.) | 1991 | | | 3,204.0 | TONS | 140.00 | 448,500 |
| | 1990 | | | 5,738.0 | TONS | 115.00 | 659,900 |
| GRAPES, TOTAL | 1991 | 11,281 | 4.6 | 51,551.1 | TONS | 707.00 | 36,446,600 |
| WINE | 1990 | 11,341 | 3.5 | 39,778.9 | TONS | 713.00 | 28,362,400 |
| White Varieties | 1991 | 5,506 | 5.1 | 27,915.2 | TONS | | |
| | 1990 | 5,675 | 3.4 | 19,178.5 | TONS | | |
| Red Varieties | 1991 | 5,775 | 4.1 | 23,635.9 | TONS | | |
| | 1990 | 5,666 | 3.6 | 20,600.4 | TONS | | |
| PEARS, TOTAL | 1991 | 3,007 | 18.4 | 55,347.0 | TONS | 318.00 | 17,577,900 |
| | 1990 | 2,972 | 16.8 | 49,796.0 | TONS | 294.00 | 14,649,000 |
| Pears, (Bart- lett, total | 1991 | 2,800 | 19.2 | 53,670.0 | TONS | 306.00 | 16,398,100 |
| | 1990 | 2,797 | 17.3 | 48,365.0 | TONS | 283.00 | 13,696,100 |
| Canning | 1991 | | | 33,741.0 | TONS | 229.00 | 7,726,700 |
| | 1990 | | | 29,532.0 | TONS | 213.00 | 6,290,300 |
| Fresh ² | 1991 | | | 14,211.0 | TONS | 578.00 | 8,214,000 |
| | 1990 | | | 13,835.0 | TONS | 510.00 | 7,055,900 |
| Other (dried, paste, fer- mented) | 1991 | | | 5,718.0 | TONS | 80.00 | 457,400 |
| | 1990 | | | 4,998.0 | TONS | 70.00 | 349,900 |
| Pears, Bosc ² | 1991 | 88 | 9.7 | 855.0 | TONS | 755.00 | 645,500 |
| | 1990 | 76 | 7.7 | 584.0 | TONS | 818.00 | 477,700 |
| Pears, Red ² | 1991 | 119 | 6.9 | 822.0 | TONS | 650.00 | 534,300 |
| | 1990 | 99 | 8.6 | 847.0 | TONS | 561.00 | 475,200 |
| Prunes | 1991 | 62 | 2.4 | 151.0 | TONS | 875.00 | 132,100 |
| | 1990 | 53 | 2.5 | 131.0 | TONS | 784.00 | 102,700 |
| Miscellaneous ¹ | 1991 | 175 | | | | | 1,186,000 |
| | 1990 | 98 | | | | | 370,000 |
| TOTALS | 1991 | 15,282 | | | | | \$57,324,900 |
| | 1990 | 15,205 | | | | | \$46,348,400 |

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 1991 were: Bartlett \$209, Bosc \$478, and Red \$330. The values in 1990 were: Bartlett \$209, Bosc \$455, and Red \$231.

LIVESTOCK PRODUCTION

| COMMODITY | YEAR | NO. OF HEAD | TOTAL LIVE WT. | UNIT | PER UNIT | VALUE |
|----------------------------|------|-------------|----------------|------|----------|--------------------------|
| Cattle and Calves | 1991 | 14,000 | 112,000 | CWT | \$66.97 | \$7,501,000 |
| | 1990 | 14,000 | 112,000 | CWT | \$68.21 | \$7,639,500 ² |
| Sheep and Lambs | 1991 | 11,176 | 10,802 | CWT | \$35.65 | \$ 385,200 |
| | 1990 | 13,905 | 13,155 | CWT | 45.63 | 600,200 ² |
| Swine | 1991 | 792 | 1,015 | CWT | \$57.90 | \$ 58,800 |
| | 1990 | 792 | 1,015 | CWT | \$58.40 | \$ 59,300 ² |
| Miscellaneous ¹ | 1991 | | | | | \$ 630,000 |
| | 1990 | | | | | \$ 630,000 |
| TOTALS | 1991 | | | | | \$8,575,000 |
| | 1990 | | | | | \$8,929,000 ² |

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

²1990 Revised

LIVESTOCK, POULTRY, AND APIARY PRODUCTS

| COMMODITY | YEAR | PRODUCTION | UNIT | PER UNIT | VALUE |
|----------------------------|------|------------|------|----------|-------------|
| Wool | 1991 | 127,090 | LBS. | \$0.55 | \$ 69,900 |
| | 1990 | 156,900 | LBS. | \$0.59 | \$ 92,600 |
| Miscellaneous ¹ | 1991 | | | | 2,072,000 |
| | 1990 | | | | 2,225,500 |
| TOTALS | 1991 | | | | \$2,141,900 |
| | 1990 | | | | \$2,318,100 |

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

FOREST PRODUCTS

| | 1990 | 1991 |
|--|---------------|---------------|
| TIMBER: | | |
| Log Production (board feet) ¹ | 422,700,000 | 275,300,000 |
| Total Stumpage Value, net ² | \$ 92,207,000 | \$ 66,900,000 |
| Total Value at Mill, gross ³ | \$149,213,000 | \$105,990,000 |

FOREST PRODUCTS

10 YEAR COMPARISON (LOG PRODUCTION)

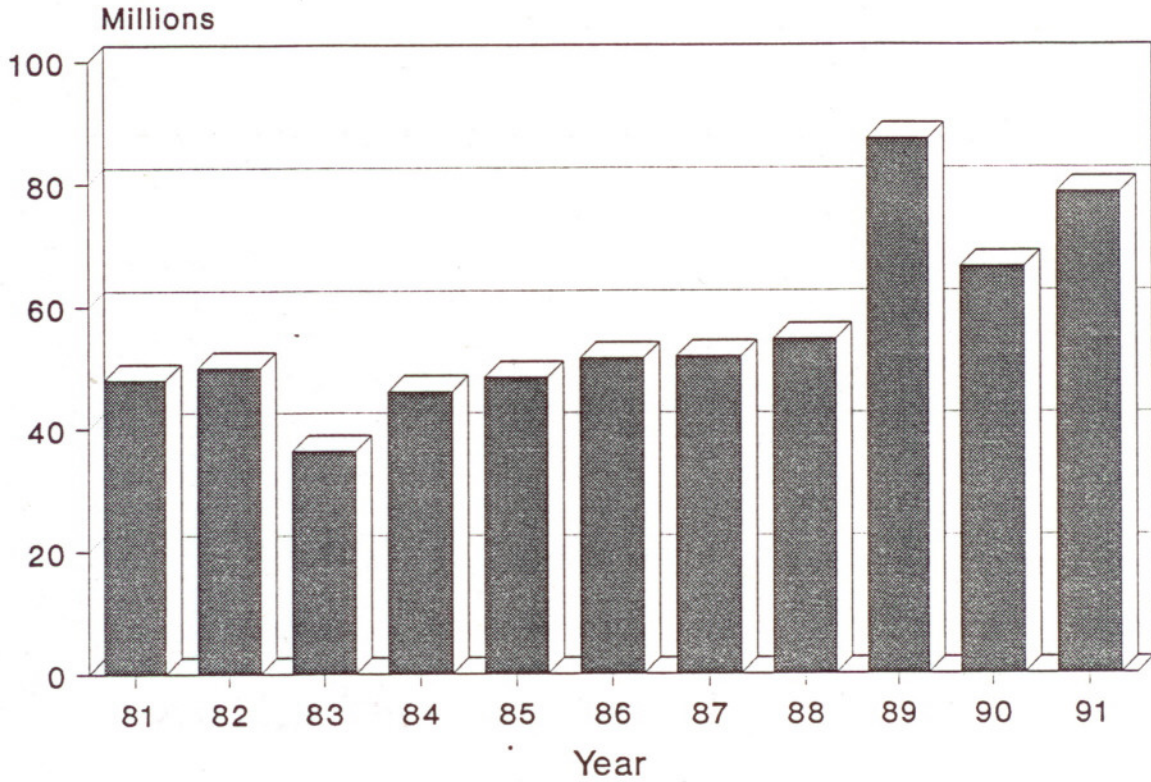
| Year | Log Production ¹ (Board Feet) | Value at Mill ³ (Gross) |
|------|---|---------------------------------------|
| 1982 | 310,400,000 | \$ 93,100,000 |
| 1983 | 386,700,000 | \$108,300,000 |
| 1984 | 449,310,000 | \$116,820,000 |
| 1985 | 430,816,000 | \$108,846,000 |
| 1986 | 420,844,000 | \$105,211,000 |
| 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 |
| 1991 | 275,300,000 | \$105,990,000 |

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

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

³Includes logging and hauling costs. Data based on information from Peter C. Passof, UC Cooperative Extension.

**VALUE OF MENDOCINO COUNTY AGRICULTURE
1981-1991
(EXCLUDING TIMBER)**



1991 MILLION DOLLAR CROPS

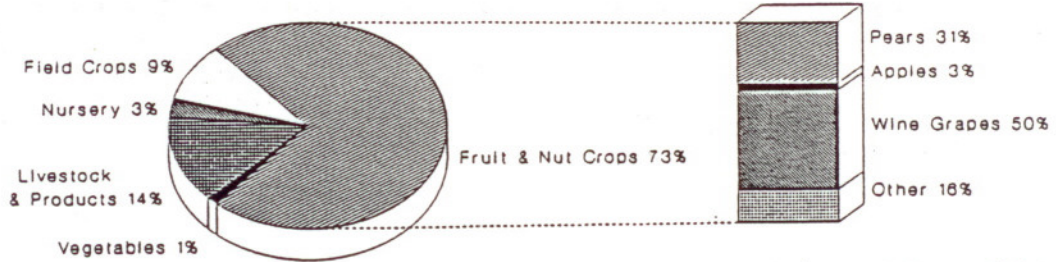
1. TIMBER.....\$105,990,000
2. WINEGRAPES.....\$36,446,600
3. PEARS.....\$17,577,900
4. CATTLE & CALVES....\$7,501,000
5. PASTURE.....\$2,253,900
6. NURSERY.....\$2,112,000
7. APPLES.....\$1,982,300
8. RANGE.....\$1,038,400

**SUPPLEMENT TO CROP REPORT
COMMERCIAL FISH CATCH¹**

| COMMODITY | YEAR | POUNDS | VALUE |
|-----------------------|------|------------|---------------|
| Sea Urchin | 1991 | 10,977,190 | \$ 8,351,450 |
| | 1990 | 12,472,400 | 4,812,440 |
| Salmon, Chinook | 1991 | 431,541 | 1,056,959 |
| | 1990 | 563,490 | 1,520,669 |
| Sablefish | 1991 | 1,338,890 | 798,174 |
| | 1990 | 1,005,790 | 572,779 |
| Sole, Dover | 1991 | 2,517,850 | 781,510 |
| | 1990 | 1,551,410 | 439,372 |
| Rockfish, Unspecified | 1991 | 1,716,051 | 553,911 |
| | 1990 | 1,860,031 | 578,062 |
| Swordfish | 1991 | 111,097 | 451,248 |
| | 1990 | 99,011 | 355,973 |
| Thornyhead | 1991 | 597,277 | 275,961 |
| | 1990 | 537,381 | 203,871 |
| Rockfish, Group Red | 1991 | 721,237 | 262,795 |
| | 1990 | 1,290,616 | 480,706 |
| Crab, Dungeness | 1991 | 128,837 | 208,409 |
| | 1990 | 192,865 | 305,796 |
| Sole, Petrale | 1991 | 245,348 | 199,569 |
| | 1990 | 156,157 | 117,281 |
| Lingcod | 1991 | 376,424 | 138,544 |
| | 1990 | 557,200 | 199,516 |
| Sole, English | 1991 | 290,890 | 109,935 |
| | 1990 | 181,387 | 61,289 |
| Rockfish, bocaccio | 1991 | 324,001 | 97,406 |
| | 1990 | 167,982 | 47,941 |
| Rockfish, Widow | 1991 | 336,471 | 91,275 |
| | 1990 | 628,591 | 169,650 |
| Sole, rex | 1991 | 200,308 | 89,306 |
| | 1990 | 124,589 | 41,282 |
| Miscellaneous | 1991 | 667,898 | 376,018 |
| | 1990 | 2,105,570 | 1,010,223 |
| TOTALS | 1991 | 21,031,610 | \$ 13,842,470 |
| | 1990 | 23,494,470 | \$ 10,916,850 |

¹Source of figures is the "California Department of Fish and Game". ALL figures are preliminary.

**SHARES OF AGRICULTURAL VALUE
MENDOCINO COUNTY, 1991**



TOTAL: \$57.32 Million

TOTAL: \$78.65 Million

SUMMARY OF PRODUCTION

| <u>COMMODITY</u> | <u>1990</u> | <u>1991</u> |
|---|---|----------------------|
| Fruits and Nuts | \$ 46,348,400 | \$ 57,324,900 |
| Livestock Production | 8,929,000 ² | 8,575,000 |
| Livestock, Poultry and Apiary Products | 2,318,100 | 2,141,900 |
| Nursery Production | 2,168,200 | 2,324,100 |
| Vegetable Crops | 1,052,400 | 1,067,300 |
| Field Crops | 5,642,700 | 7,217,300 |
| Forest Products | 149,213,000 ¹ & ² | 105,990,000 |
| TOTALS | \$215,671,800² | \$184,640,500 |

¹ Includes value of cut timber when delivered to the mill.
² 1990 revised.



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,

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 1992

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VIVIAN WILLIS.....Pest Detection Trapper

BOARD OF SUPERVISORS

SEIJI SUGAWARA.....District 1

FRANK McMICHAEL.....District 2

JIM EDDIE, CHAIR.....District 3

LIZ HENRY.....District 4

NORMAN L. de VALL.....District 5

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

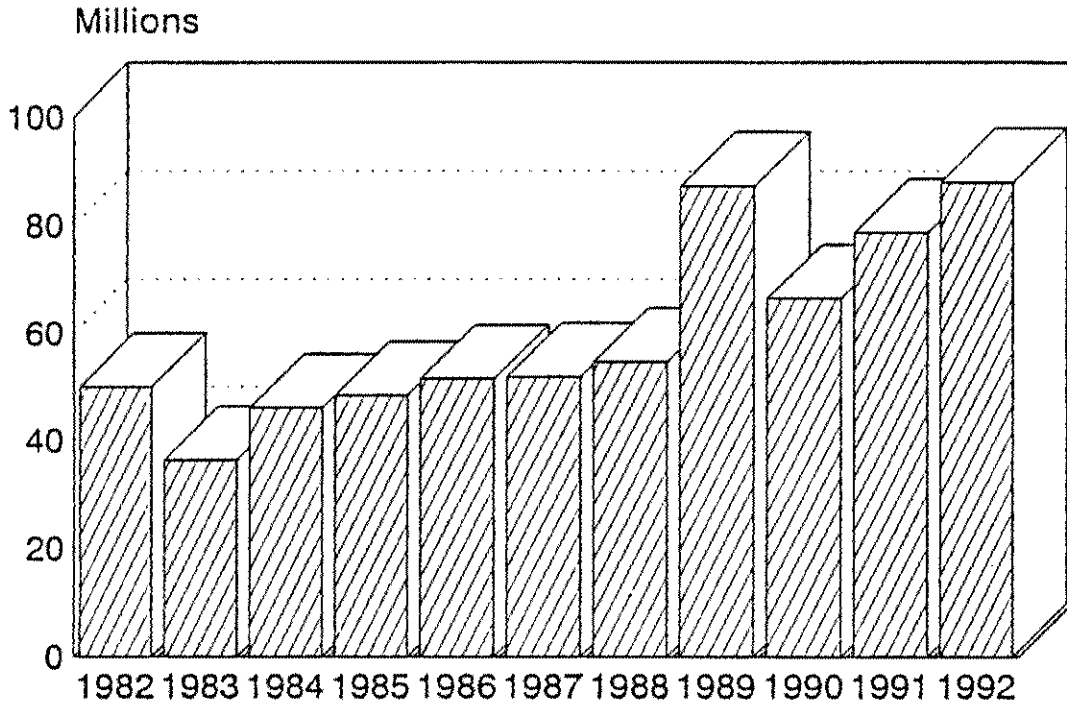
TEN YEAR VALUE COMPARISON

| <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

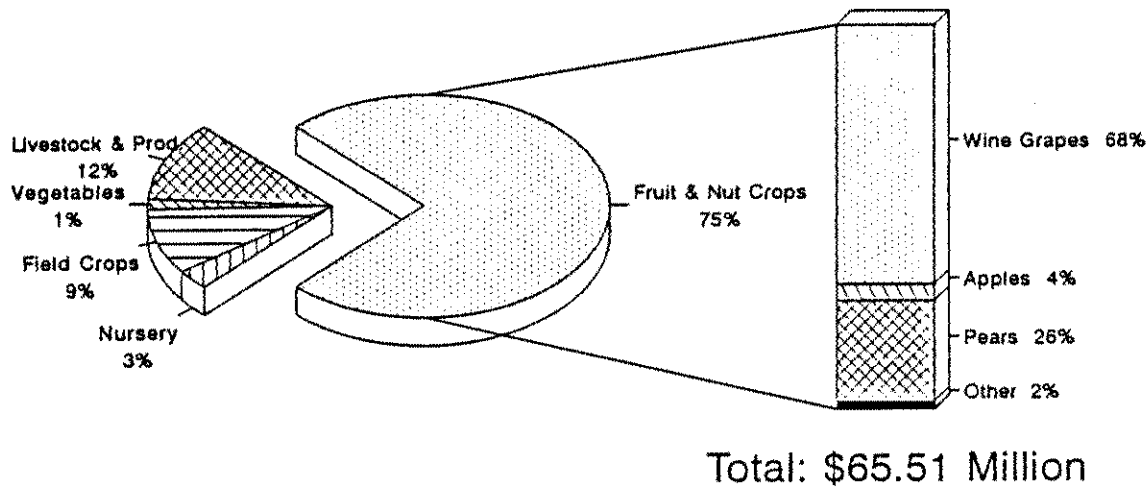
| COMMODITY | YEAR | POUNDS | VALUE |
|-----------------------|------|------------|--------------|
| URCHIN, SEA | 1992 | 8,007,270 | \$6,454,020 |
| | 1991 | 10,977,190 | \$8,351,450 |
| SABLEFISH | 1992 | 1,303,110 | \$701,186 |
| | 1991 | 1,338,890 | \$798,174 |
| SOLE, DOVER | 1992 | 2,172,130 | \$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)

| <u>SEASON</u> | <u>TOTAL</u> | <u>SEASON</u> | <u>TOTAL</u> | <u>SEASON</u> | <u>TOTAL</u> |
|---------------|--------------|---------------|--------------|---------------|--------------|
| 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 | 1858-59 | 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: \$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.

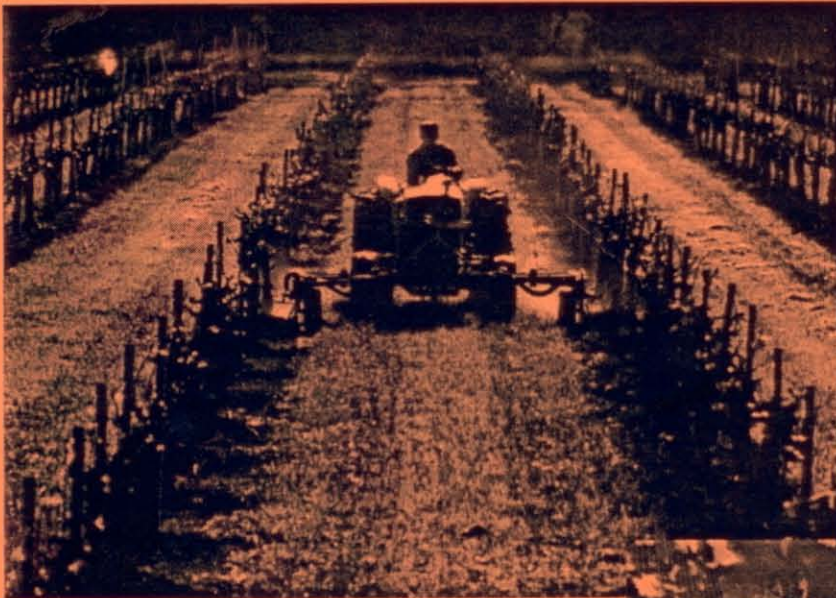
We adhere to many regulations to bring the public top quality produce that is often organically grown and picked fresh and ripe, frequently just prior to going to market. We are not allowed to resell produce grown by another grower. That is what Certified Farmers' Market means. We have all been qualified 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.

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,

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

BOARD OF SUPERVISORS

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JIM EDDIE.....District 3

LIZ HENRY.....District 4

NORMAN L. de VALL.....District 5

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 | <u>15,486</u> | <u>886</u> | <u>16,372</u> |

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).

+++++

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 |

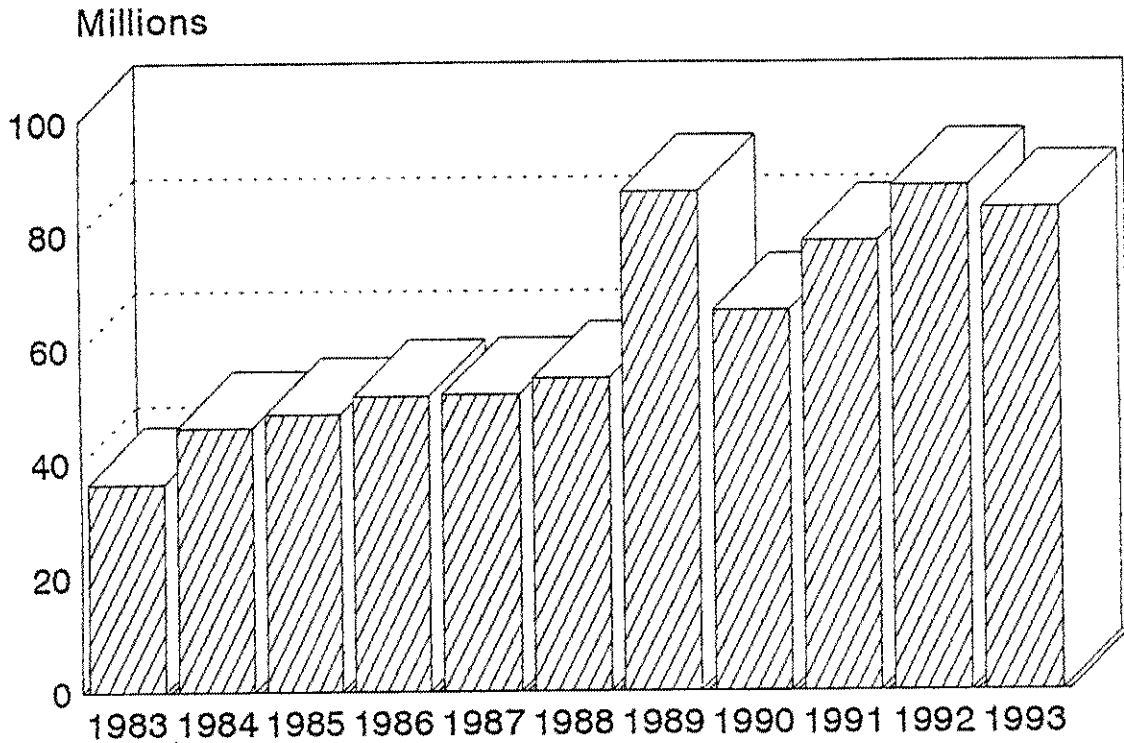
COMMERCIAL FISH CATCH¹

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 |

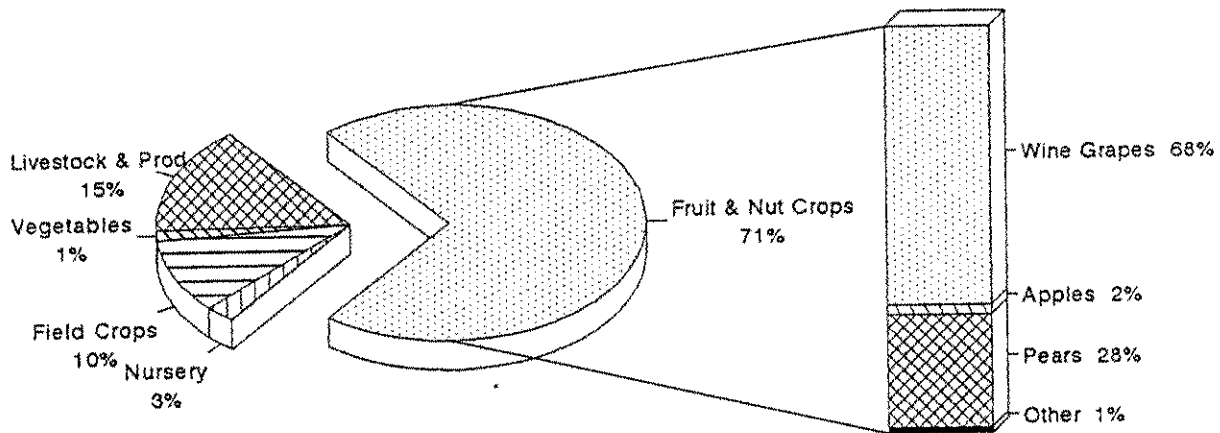
UKIAH 105 YEAR RAINFALL DATA

(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

DAVID BENGSTON
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS
AND MEASURES



OFFICE LOCATION
AGRICULTURAL CENTER
578 LOW GAP ROAD

TELEPHONE (707) 463-4208
FAX (707) 463-0240
CALNET 353-4208

COUNTY OF MENDOCINO
DEPARTMENT OF AGRICULTURE
COURTHOUSE
UKIAH, CALIFORNIA 95482

ANN VENEMAN, 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 1994 was \$235,791,500. This is a decrease of \$23,770,200 from the 1993 crop production due mainly to forest product reductions, a smaller grape crop and lower pear prices. The leading category was forest products with a value of \$158,706,000. The agricultural production value, excluding timber, was \$77,085,500, a decrease of \$8,413,200 from the 1993 value.

Grapes were the second leading agricultural crop with a value of \$32,600,800, a decrease for the second year in a row. Although prices were better, the yields were substantially reduced.

Total pear production was 70,236 tons with the Bartlett pear crop at a whopping 65,418 tons, a new county record. Tonnage was actually larger than this, but due to dismally low prices, several hundred tons were left unpicked.

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**

DAVE BENGSTON
Agricultural Commissioner
Sealer of Weights and Measures

ANNUAL CROP REPORT FOR YEAR 1994

STAFF

STEVEN HAJIK.....Assistant Agricultural Commissioner
Assistant Sealer 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 NORGARD, WAYNE CREEL

BOARD OF SUPERVISORS

SEIJI SUGAWARA, CHAIR.....District 1

FRANK McMICHAEL.....District 2

JOHN PINCHES.....District 3

LIZ HENRY.....District 4

CHARLES PETERSON.....District 5

FIELD CROPS

| COMMODITY | YEAR | ACRES | YIELD/ ACRE | TOTAL YIELD | PER AUM | \$ VALUE |
|---|------|---------|----------------|----------------|------------|--------------------|
| Irrigated pasture | 1994 | 6,250 | 8.00 AUM | 50,000 | \$18.50 | \$ 925,000 |
| | 1993 | 6,250 | 8.00 AUM | 50,000 | \$17.00 | \$ 850,000 |
| Pasture, Other (grassland, coast bench) | 1994 | 365,000 | .65 AUM | 237,250 | \$11.00 | \$2,609,800 |
| | 1993 | 365,000 | .65 AUM | 237,250 | \$11.00 | \$2,609,800 |
| Range | 1994 | 355,000 | .45 AUM | 159,750 | \$ 7.50 | \$1,198,100 |
| | 1993 | 355,000 | .45 AUM | 159,750 | \$ 7.50 | \$1,198,100 |
| Miscellaneous** | 1994 | | | | | \$4,000,000 |
| | 1993 | | | | | \$4,000,000 |
| TOTALS | 1994 | | | | | \$8,732,900 |
| | 1993 | | | | | \$8,657,900 |

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

**Miscellaneous includes alfalfa, barley, beans, corn, oats and hay.

FOREST PRODUCTS

| <u>TIMBER:</u> | 1993 | 1994 |
|--|---------------|---------------|
| Log Production (board feet) ¹ | 254,900,000 | 227,422,000 |
| Total Stumpage Value, net ² | \$135,969,000 | \$124,594,000 |
| Total Value at Mill, gross ³ | \$174,063,000 | \$158,706,000 |

10 YEAR COMPARISON (LOG PRODUCTION)

| <u>Year</u> | <u>Log Production¹ (Board Feet)</u> | <u>Value at Mill³ (Gross)</u> |
|-------------|--|--|
| 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 |
| 1994 | 227,422,000 | \$158,706,000 |

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 Gregory A. Giusti, U.C. Cooperative Extension.

FRUIT AND NUT CROPS

| COMMODITY | YEAR | BEARING ACREAGE | PER ACRE | PRODUCTION IN TONS | \$ PER TON | VALUE |
|---------------------------------|------|--------------------|-------------|-----------------------|---------------|--------------|
| APPLES, TOTAL | 1994 | 693 | 12.0 | 8,344.0 | 245 | \$ 2,043,100 |
| | 1993 | 604 | 6.7 | 4,047.0 | 363 | \$ 1,468,200 |
| Fresh | 1994 | | | 2,753.0 | 533 | \$ 1,467,300 |
| | 1993 | | | 2,185.0 | 545 | \$ 1,190,800 |
| Other (dried, Juice, etc) | 1994 | | | 5,590.0 | 103 | \$ 575,800 |
| | 1993 | | | 1,862.0 | 149 | \$ 277,400 |
| GRAPES, TOTAL WINE | 1994 | 12,335 | 3.6 | 44,582.3 | 731 | \$32,600,800 |
| | 1993 | 11,591 | 5.2 | 60,269.2 | 679 | \$40,922,800 |
| White varieties | 1994 | 6,488 | 3.8 | 24,943.9 | | |
| | 1993 | 5,757 | 5.2 | 29,984.3 | | |
| Red varieties | 1994 | 5,847 | 3.4 | 19,638.4 | | |
| | 1993 | 5,834 | 5.2 | 30,284.9 | | |
| PEARS, TOTAL | 1994 | 2,982 | 23.6 | 70,236.0 | 219 | \$15,308,900 |
| | 1993 | 3,046 | 17.2 | 52,157.0 | 317 | \$16,554,400 |
| Bartlett | 1994 | 2,696 | 24.3 | 65,418.0 | 213 | \$13,920,400 |
| | 1993 | 2,783 | 18.2 | 50,466.0 | 305 | \$15,412,100 |
| Canning | 1994 | | | 32,263.0 | 216 | \$ 6,968,800 |
| | 1993 | | | 33,595.0 | 220 | \$ 7,390,900 |
| Fresh | 1994 | | | 22,534.0 | 292 | \$ 6,579,900 |
| | 1993 | | | 12,869.0 | 610 | \$ 7,850,100 |
| Other (ferment paste, dried) | 1994 | | | 10,621.0 | 35 | \$ 371,700 |
| | 1993 | | | 4,002.0 | 43 | 171,100 |
| Bosc | 1994 | 118 | 14.2 | 1,680.0 | 296 | \$ 497,300 |
| | 1993 | 117 | 4.9 | 567.0 | 845 | \$ 479,100 |
| Red | 1994 | 168 | 18.7 | 3,138.0 | 284 | \$ 891,200 |
| | 1993 | 146 | 7.7 | 1,124.0 | 590 | \$ 663,200 |
| PRUNES | 1994 | 37 | 2.6 | 98.0 | 1,121 | \$ 109,900 |
| | 1993 | 37 | 3.2 | 119.0 | 1,029 | 122,500 |
| MISCELLANEOUS* | 1994 | 206 | | | | \$ 766,900 |
| | 1993 | 137 | | | | 737,500 |
| TOTALS | 1994 | 16,253 | | | | \$50,829,600 |
| | 1993 | 15,415 | | | | \$59,805,400 |

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

VEGETABLE CROPS

| COMMODITY | YEAR | ACRES | \$ VALUES |
|------------------------------|------|-------|-------------|
| Miscellaneous* vegetables | 1994 | 500 | \$1,622,000 |
| | 1993 | 450 | \$1,236,700 |

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

NURSERY PRODUCTION

| COMMODITY | YEAR | GREENHOUSE SQUARE FEET | FIELD ACRES | \$ VALUES |
|-----------------|-------------|---------------------------|----------------|--------------------|
| Nursery* | 1994 | 311,114 | 105 | \$1,918,900 |
| | 1993 | 252,364 | 114 | \$1,769,800 |
| Christmas trees | 1994 | NA | 242 | \$ 377,500 |
| | 1993 | NA | 238 | \$ 353,000 |
| TOTALS | 1994 | 311,114 | 347 | \$2,296,400 |
| | 1993 | 252,364 | 352 | \$2,122,800 |

* Includes turf and cut flowers

LIVESTOCK PRODUCTION

| COMMODITY | YEAR | NO. OF HEAD | TOTAL CWT+ LIVE WT. | \$ PER UNIT | \$ VALUE |
|----------------------|--------------|----------------|------------------------|----------------|---------------------|
| Cattle and calves | 1994 | 14,678 | 117,424 | \$61.14 | \$7,178,900 |
| | 1993* | 16,806 | 134,448 | \$67.66 | \$9,096,500 |
| Sheep and lambs | 1994 | 9,561 | 8,159 | \$57.26 | \$ 467,200 |
| | 1993 | 11,999 | 10,746 | \$51.40 | \$ 552,300 |
| Swine | 1994 | 2,476 | 3,188 | \$46.70 | \$ 148,900 |
| | 1993* | 2,836 | 3,555 | \$50.10 | \$ 178,100 |
| Miscellaneous** | 1994 | | | | \$ 660,000 |
| | 1993 | | | | \$ 650,000 |
| TOTALS | 1994 | | | | \$ 8,455,000 |
| | 1993* | | | | \$10,476,900 |

+ CWT=100 lbs
* 1993 Revised

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

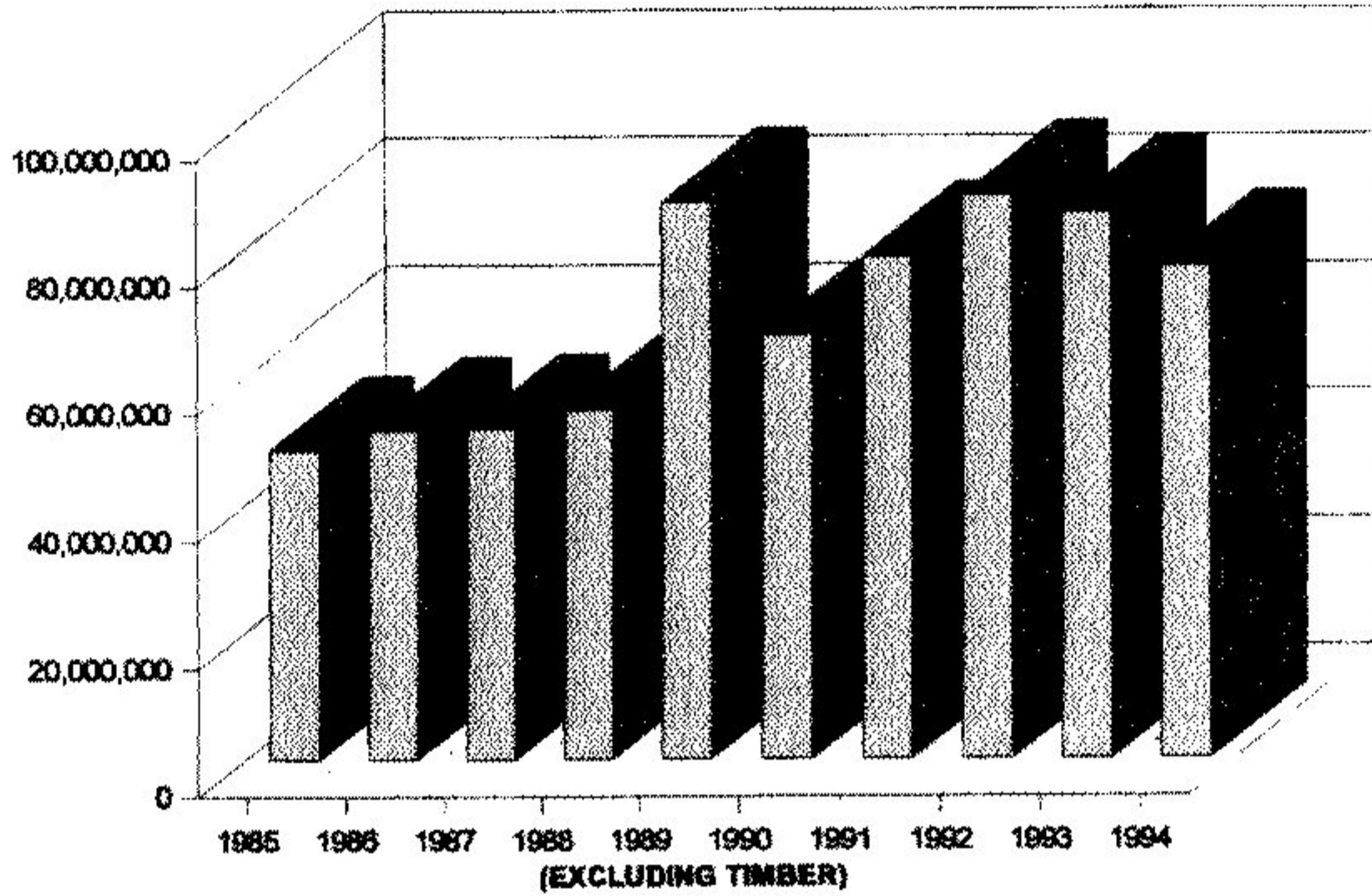
LIVESTOCK AND POULTRY PRODUCTS

| COMMODITY | YEAR | PRODUCTION IN LBS. | PER UNIT | \$ VALUE |
|-----------------|-------------|-----------------------|----------|--------------------|
| Milk | 1994 | 194,104 cwt. | \$12.44 | \$2,414,700 |
| | 1993 | 164,919 cwt. | \$11.44 | \$1,887,000 |
| Wool | 1994 | 142,961 lb. | \$ 0.65 | \$ 92,900 |
| | 1993 | 154,354 lb. | \$ 0.45 | \$ 69,500 |
| Miscellaneous** | 1994 | | | \$2,642,000 |
| | 1993 | | | \$1,242,500 |
| TOTALS | 1994 | | | \$5,149,600 |
| | 1993 | | | \$3,199,000 |

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

VALUE OF MENDOCINO COUNTY AGRICULTURE

1985-1994



1994 MILLION DOLLAR CROPS

1. TIMBER.....\$158,706,000
2. WINEGRAPES.....\$32,600,800
3. BARTLETT PEARS.....\$13,920,400
4. CATTLE & CALVES.....\$7,178,900
5. PASTURE.....\$2,609,800
6. MILK.....\$2,414,700
7. NURSERY.....\$2,296,400
8. APPLES.....\$2,043,100
9. RANGE.....\$1,198,000

SUSTAINABLE AGRICULTURE IN 1994

ORGANIC FARMS

| NUMBER OF FARMS | CROPS | ACRES |
|-----------------|---------------------------|-------------|
| 64 | Miscellaneous vegetables | 116 |
| 22 | Apples | 328 |
| 34 | Wine grapes | 2,339 |
| 5 | Pears | 167 |
| 20 | Miscellaneous Fruit & Nut | 70 |
| TOTAL 118* | | TOTAL 3,020 |

(*Total does not add up due to overlapping crops)

FRUIT, NUT, AND GRAPEVINE ACREAGE

| CROP | ACRES BEARING | ACRES NON-BEARING | TOTAL |
|----------------------------|------------------|----------------------|---------------|
| APPLES | 693 | 0 | 693 |
| WINE GRAPES, TOTAL | 12,341 | 814 | 13,155 |
| Red | 5,847 | 376 | 6,223 |
| White | 6,488 | 436 | 6,924 |
| Rootstock | 6 | 2 | 8 |
| PEARS, TOTAL | 3,041 | 6 | 3,047 |
| Bartlett | 2,696 | 4 | 2,700 |
| Red | 168 | 0 | 168 |
| Bosc | 118 | 2 | 120 |
| Other | 59 | 0 | 59 |
| PRUNES | 37 | 0 | 37 |
| WALNUTS, ENGLISH | 50 | 0 | 50 |
| MISCELLANEOUS ¹ | 91 | 4 | 95 |
| TOTALS | 16,253 | 824 | 17,077 |

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

LIVESTOCK INVENTORIES

| COMMODITY | 1994 | 1995 |
|---|---------|--------|
| All Cattle and Calves | 27,000* | 25,000 |
| Beef Cows and Heifers, 2 years and older | 14,000* | 14,700 |
| Milk Cows | 1,500 | 1,500 |
| Sheep and Lambs, all | 15,000 | 16,000 |
| Swine* | 1,800* | 1,700 |

* 1994 Revised

All livestock inventories are as of January 1st except swine, which is December 1st of the preceding year.

**SUPPLEMENT TO CROP REPORT
COMMERCIAL FISH CATCH**

| COMMODITY (Top 10 listed by value) | YEAR | POUNDS | VALUE |
|--|-------------|-------------------|--------------------|
| Urchin, Sea (Red) | 1994 | 4,217,571 | \$4,134,521 |
| | 1993 | 5,292,690 | \$4,697,010 |
| Thornyhead | 1994 | 1,403,223 | \$1,117,157 |
| | 1993 | 986,288 | \$ 533,140 |
| Sablefish | 1994 | 875,210 | \$ 657,190 |
| | 1993 | 910,315 | \$ 415,028 |
| Crab, Dungeness | 1994 | 413,648 | \$ 581,107 |
| | 1993 | 157,649 | \$ 172,225 |
| Sole, Dover | 1994 | 1,569,992 | \$ 478,227 |
| | 1993 | 1,930,840 | \$ 534,830 |
| Rockfish, Unspecified | 1994 | 1,312,748 | \$ 468,791 |
| | 1993 | 900,051 | \$ 303,635 |
| Shrimp, Pacific Ocean | 1994 | 651,177 | \$ 408,246 |
| | 1993 | 53,715 | \$ 16,753 |
| Salmon, Chinook | 1994 | 74,479 | \$ 170,999 |
| | 1993 | 216,732 | \$ 450,699 |
| Tuna, Albacore | 1994 | 159,569 | \$ 130,402 |
| | 1993 | 124,911 | \$ 95,090 |
| Swordfish | 1994 | 28,022 | \$ 109,076 |
| | 1993 | 129,539 | \$ 370,456 |
| Miscellaneous | 1994 | 2,269,245 | \$ 902,553 |
| | 1993 | 1,408,801 | \$ 553,117 |
| TOTALS | 1994 | 12,974,884 | \$9,158,269 |
| | 1993 | 12,111,531 | \$8,141,983 |

**COMMERCIAL FISH CATCH
TEN YEAR VALUE COMPARISON**

| <u>YEAR</u> | <u>POUNDS</u> | <u>VALUE</u> |
|-------------|---------------|--------------|
| 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 |
| 1994 | 12,975,000 | \$ 9,158,500 |

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

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

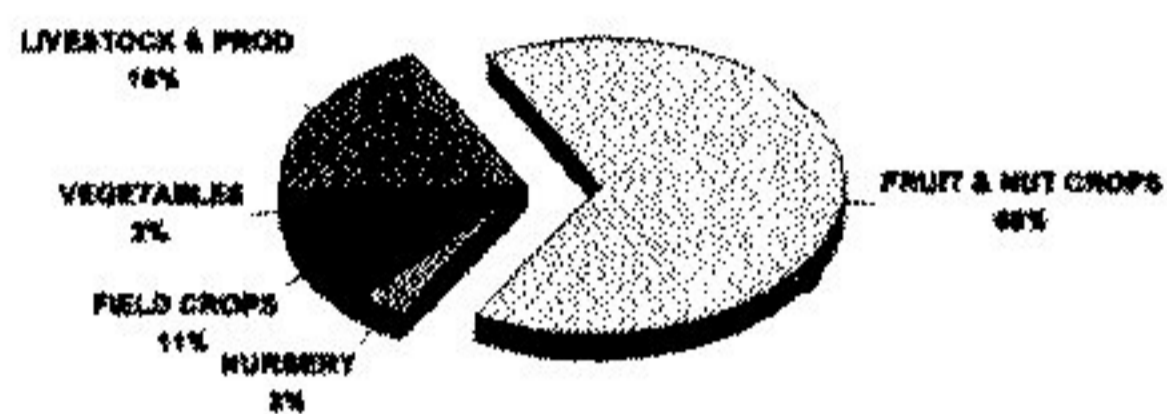
TEN YEAR VALUE COMPARISON

| YEAR | FRUIT & NUTS | LIVESTOCK PRODUCTION | LIVESTOCK AND | | VEG. CROPS | FIELD CROPS | TOTALS |
|-------|-----------------|-------------------------|---------------------|------------------|---------------|----------------|------------|
| | | | POULTRY PRODUCTS | NURSERY PROD. | | | |
| 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 | 10,476,900* | 3,199,000 | 2,122,800 | 1,236,700 | 8,657,900 | 85,498,700 |
| 1994 | 50,829,600 | 8,455,000 | 5,149,600 | 2,296,400 | 1,622,000 | 8,732,900 | 77,085,500 |

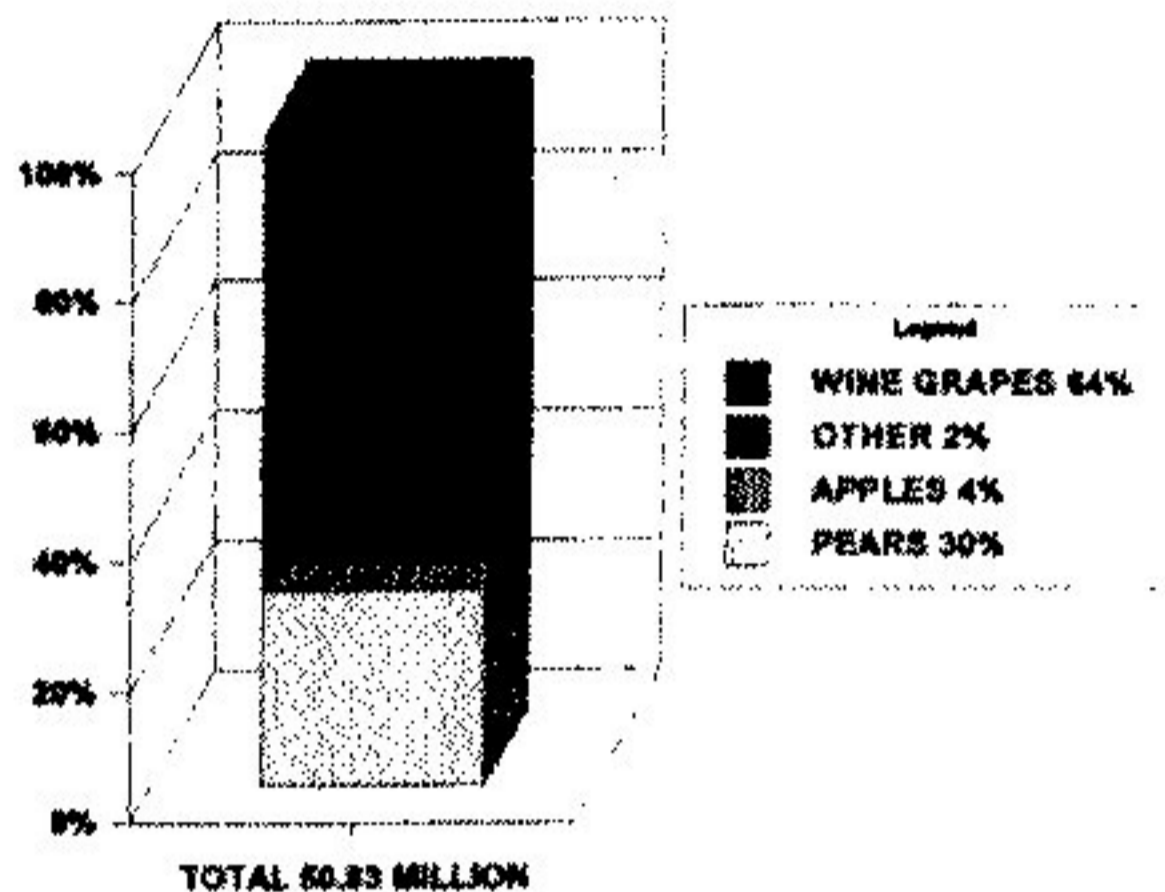
* 1993 revised

SHARES OF AGRICULTURAL VALUE

MENDOCINO COUNTY, 1994



TOTAL 77.09 MILLION



TOTAL 60.83 MILLION

SUMMARY OF PRODUCTION

| COMMODITY | 1993 | 1994 |
|--------------------------------|-----------------------|----------------------|
| FRUITS AND NUTS | \$ 59,805,400 | \$ 50,829,600 |
| LIVESTOCK PRODUCTION | \$ 10,476,900* | \$ 8,455,000 |
| LIVESTOCK AND POULTRY PRODUCTS | \$ 3,199,000 | \$ 5,149,600 |
| NURSERY PRODUCTION | \$ 2,122,800 | \$ 2,296,400 |
| VEGETABLE CROPS | \$ 1,236,700 | \$ 1,622,000 |
| FIELD CROPS | \$ 8,657,900 | \$ 8,732,900 |
| FOREST PRODUCTS | <u>\$174,063,000</u> | <u>\$158,706,000</u> |
| TOTALS | \$259,561,700* | \$235,791,500 |

*1993 REVISED

BIOLOGICAL CONTROL

| <u>BIO-CONTROL AGENT</u> | <u>SCOPE OF PROGRAM</u> |
|--------------------------------------|-------------------------|
| Canada Thistle Flea Beetle | Generally distributed |
| Gorse Weevil | Generally distributed |
| Gorse Spider Mite | 10 sites |
| Italian Thistle Seed Head Weevil | Widely distributed |
| Klamath Weed Beetles | Widely distributed |
| Klamath Weed Root Borers | Widely distributed |
| Puncture Vine Seed Weevil | Generally distributed |
| Puncture Vine Stem Weevil | Generally distributed |
| Tansy Ragwort Cinnabar Moth | Widely distributed |
| Tansy Ragwort Flea Beetle | Widely distributed |
| Yellow Star Thistle Seed Head Weevil | 13 sites |
| Yellow Star Thistle Gall Forming Fly | 10 sites |
| Yellow Star Thistle Hairy Weevil | 3 sites |
| Ash Whitefly Stingless Wasp | Generally distributed |

PEST EXCLUSION

3,077 packages inspected

| <u>PROBLEM</u> | <u>TYPE OF SHIPMENT</u> | <u>NO. REJECTED</u> |
|---------------------|-------------------------|---------------------|
| Miscellaneous pests | Parcel Post | 3 |

UKIAH 107 YEAR RAINFALL DATA

(FROM UKIAH FIRE DEPARTMENT RECORDS)

| <u>SEASON</u> | <u>TOTAL</u> | <u>SEASON</u> | <u>TOTAL</u> | <u>SEASON</u> | <u>TOTAL</u> |
|---------------|--------------|---------------|--------------|---------------|--------------|
| 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 | 1993-94 | 23.73 |
| 1920-21 | 47.94 | 1957-58 | 58.87 | 1994-95 | 63.78 |
| 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 | | |