

NEVADA

Agricultural Statistics

1987-88



NEVADA COUNTIES AND CROP REPORTING DISTRICTS

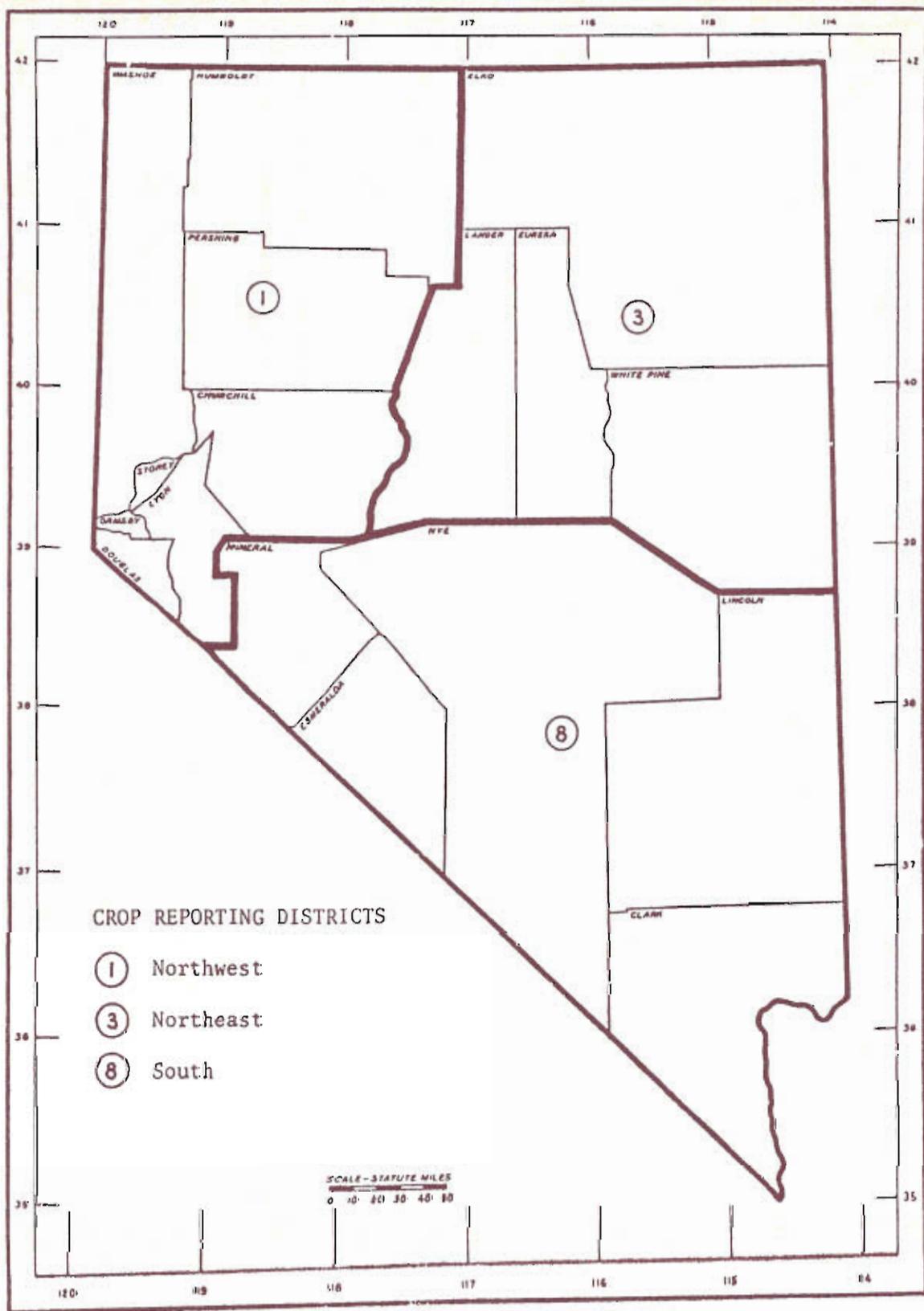


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Nevada Agricultural Statistics

1988

Nevada Department of Agriculture

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September 1988



THE STATE OF NEVADA
EXECUTIVE CHAMBER

Carson City, Nevada 89710

RICHARD H. BRYAN
Governor



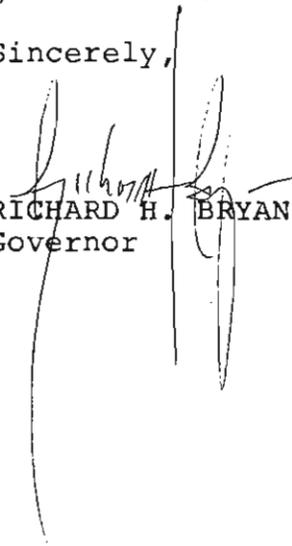
To the People of Nevada:

It gives me great pleasure to present to you this factual view of Nevada's agriculture. Agriculture is, and will continue to be, a vital part of our state's economy.

Farmers and ranchers have always had to face many adverse conditions, but Mother Nature continues to throw out challenges for them. The low snowpack in the state the past two years has seriously limited irrigation water supplies in many areas. This has forced them to make many important management decisions concerning their individual operations and has compounded the need for accurate and timely information upon which to base these decisions.

Agricultural statistics provide a picture of the past and the tools to use in working toward improving the future. I hope this publication will provide those of you engaged in the business of agriculture with the background to make your important business and management decisions for tomorrow.

Sincerely,


RICHARD H. BRYAN
Governor

RHB/cd

STATE OF NEVADA

RICHARD H. BRYAN
GOVERNOR



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To Friends of Nevada Agriculture:

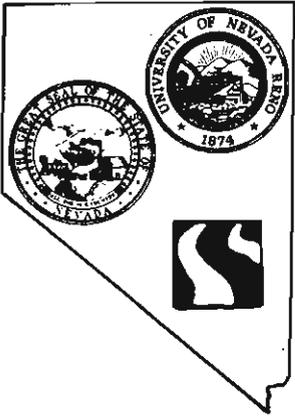
The past few years have been difficult for farmers, ranchers and rural communities, but through hard work and creative approaches many have succeeded. There were indications that the farm and ranch economy was growing stronger as land values had increased and commodity prices were stabilizing or increasing. However, a drought came over much of the nation this year and put a damper on the recovery process.

The recent period of adversity made it clear that management expertise can often be the difference between success and failure for farmers and ranchers as it is for all businessmen. Good information is essential to good management which is why I'm pleased to present the 1988 edition of Nevada Agricultural Statistics.

The Nevada Agricultural Statistics Service compiles the statistics in this bulletin. They could not do their job without the help of the many Nevada farmers, ranchers and agri-businesses who supplied the basic information. I'm grateful for their efforts in making this bulletin possible.

Sincerely,


Thomas W. Ballow
Executive Director



NEVADA AGRICULTURAL STATISTICS SERVICE

P.O. Box 8880
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FOREWORD

The USDA was established by Abraham Lincoln on May 15, 1862 and he called it "The People's Department". A little over a year later, in July of 1863, the first monthly crop reports were issued to aid in measuring the food production from the farms of the young nation then engaged in a civil war. That marked the beginning of the collection of monthly agricultural statistics by a government agency.

The USDA's National Agricultural Statistics Service celebrated its 125th anniversary of compiling agricultural statistics during July of this year. Agricultural statistics since that beginning are still an important service to the farmers, ranchers, consumers and the industries that serve them.

A special "Thank You" goes to all the farmers, ranchers and individuals who voluntarily furnished the basic information for these reports by completing our survey questionnaires or by answering phone requests. We also appreciate the hard work and dedication of our field and telephone interviewers and the office staff who are responsible for the collection and summarization of the information. A special thanks to Carrie Swanson who had overall responsibility for the bulletin layout.

C. R. "Bud" Lies
State Statistician

Cooperating with

University of Nevada-Reno
College of Agriculture

State of Nevada
Department of Agriculture

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NEVADA FACTS & FIGURES

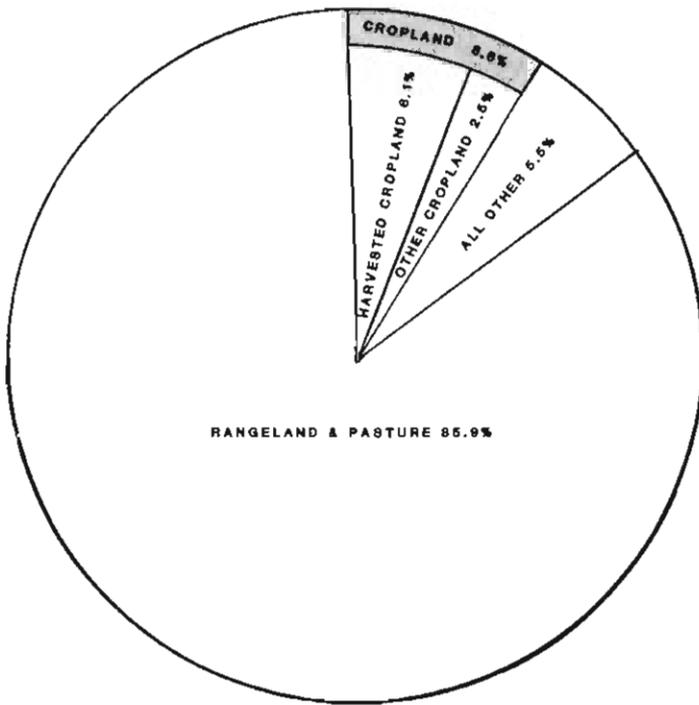
NEVADA POPULATION

Total, 1980 Census: 800,493
 Farm: 5,539
 People per Farm/Ranch: 2.3

NEVADA LAND & UTILIZATION

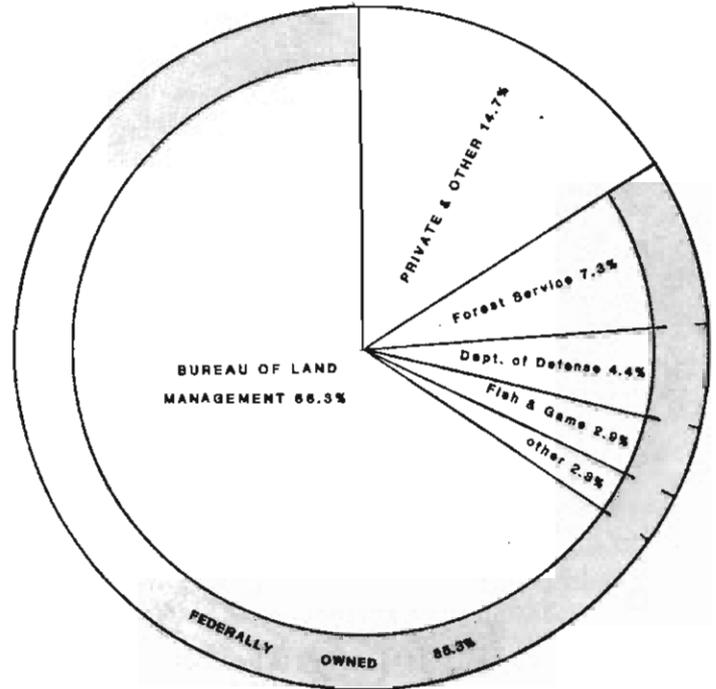
Total Land Area: 109,894 Square Miles
 OR 70.3 Mil. Acres
 People Per Square Mile: 7.3
 All Land in Farms & Ranches: 8,800,000 Acres 1/
 Proportion of Land in Farms & Ranches: 14 Percent
1/ 1988 preliminary

LAND IN FARMS & RANCHES
 utilization as a percent of total 1/



1/ 1982 U.S. Census of Agriculture

NEVADA LAND AREA
 ownership as a percentage of total



Source: BLM "Public Land Statistics 1984"

FARM & RANCH COUNTS & MEASUREMENTS

| | | |
|--------------------------------|-------------|-----------|
| Number of Farms & Ranches | 2,400 | <u>1/</u> |
| Aver. Size of Farm or Ranch | 3,667 Acres | <u>1/</u> |
| Total Farm & Ranch Assets | \$2.2 Bil. | <u>2/</u> |
| Aver. Value per Farm or Ranch | \$911,208 | <u>2/</u> |
| Aver. Value per Acre | \$193 | <u>3/</u> |
| Real Estate Val./Farm or Ranch | \$726,083 | <u>4/</u> |
| Farm & Ranch Debt/Operation | \$151,000 | <u>5/</u> |

- 1/ Places with annual sale of agricultural products of \$1,000 or more, 1988 prelim.
- 2/ Includes buildings, machinery, livestock, crops, savings and investments (1986).
- 3/ Per acre, land & buildings, Feb. 1, 1988.
- 4/ Excludes value of operator dwellings.
- 5/ Includes real estate, non-real estate, and CCC loans (1986).

NUMBER OF FARMS

Total number of ranches and farms operated in Nevada during 1987, at the 2,400 level, was the same as a year earlier. Number of ranches and farms includes places with annual sales of agricultural products of \$1,000 or more.

| NUMBER OF FARMS AND LAND IN FARMS AND RANCHES, 1977-88, 1/ | | | | | | |
|--|-----------------|---------------|-------------|-----------------|---------------|-------------|
| Year | Nevada | | | United States | | |
| | Number of Farms | Land in Farms | | Number of Farms | Land in Farms | |
| | | Average | Total | | Average | Total |
| | | - Acres - | Thou. Acres | Thousands | - Acres - | Thou. Acres |
| 1977 | 2,600 | 3,458 | 8,990 | 2,456 | 427 | 1,047,785 |
| 1978 | 2,900 | 3,100 | 8,990 | 2,436 | 429 | 1,044,790 |
| 1979 | 2,900 | 3,100 | 8,990 | 2,432 | 428 | 1,042,015 |
| 1980 | 2,900 | 3,100 | 8,990 | 2,433 | 427 | 1,038,885 |
| 1981 | 3,100 | 2,871 | 8,900 | 2,434 | 425 | 1,034,190 |
| 1982 | 2,900 | 3,069 | 8,900 | 2,401 | 428 | 1,027,795 |
| 1983 | 2,700 | 3,296 | 8,900 | 2,370 | 432 | 1,024,195 |
| 1984 | 2,600 | 3,385 | 8,800 | 2,328 | 438 | 1,019,378 |
| 1985 | 2,500 | 3,520 | 8,800 | 2,275 | 446 | 1,014,383 |
| 1986 | 2,400 | 3,667 | 8,800 | 2,212 | 456 | 1,007,643 |
| 1987 | 2,400 | 3,667 | 8,800 | 2,176 | 461 | 1,002,603 |
| 1988 2/ | 2,400 | 3,667 | 8,800 | 2,159 | 463 | 998,692 |

1/ Farm is defined as a place with annual sales of agricultural products of \$1,000 or more. 2/ Preliminary.

NUMBER OF LIVESTOCK FARMS, 1977-87

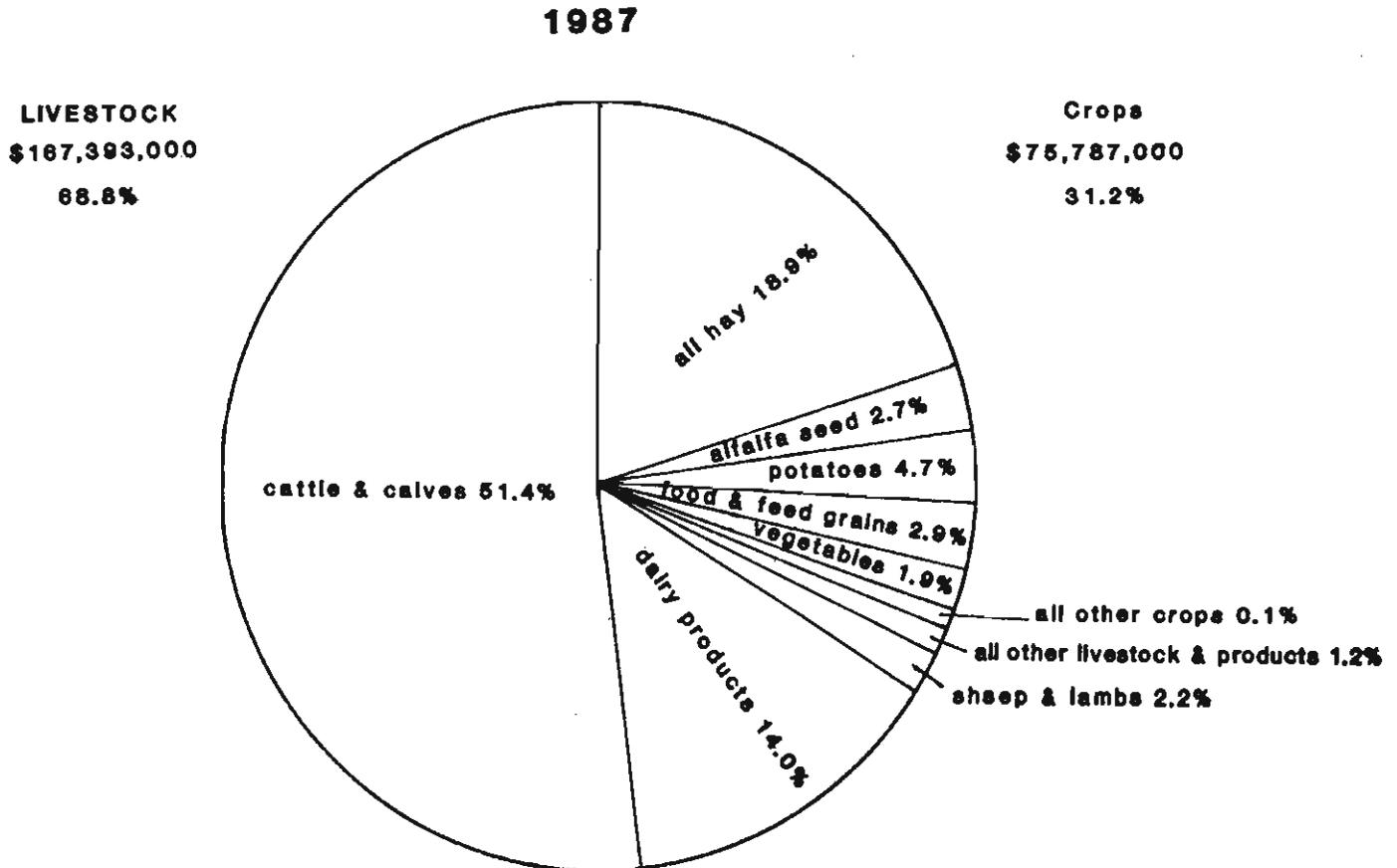
| Year | Nevada | | | | United States | | | |
|------|--------|--------|-------|------|---------------|-------|-------|-------|
| | Cattle | Milk | Sheep | Hogs | Cattle | Milk | Sheep | Hogs |
| | | Cows | | | | Cows | | |
| | | Number | | | Thousands | | | |
| 1977 | 1,700 | 400 | 280 | 250 | 1,771.9 | 393.5 | 117.5 | 647.0 |
| 1978 | 1,800 | 400 | 280 | 300 | 1,699.0 | 369.2 | 115.7 | 635.3 |
| 1979 | 1,800 | 400 | 290 | 250 | 1,638.5 | 350.0 | 116.1 | 653.6 |
| 1980 | 1,700 | 400 | 300 | 220 | 1,622.5 | 335.8 | 119.9 | 670.4 |
| 1981 | 1,700 | 400 | 320 | 220 | 1,621.6 | 322.9 | 125.6 | 580.1 |
| 1982 | 1,700 | 400 | 320 | 210 | 1,611.0 | 312.1 | 128.1 | 482.2 |
| 1983 | 1,700 | 400 | 300 | 200 | 1,584.5 | 299.1 | 126.4 | 462.1 |
| 1984 | 1,700 | 400 | 270 | 200 | 1,543.5 | 284.7 | 123.5 | 429.6 |
| 1985 | 1,700 | 400 | 270 | 180 | 1,493.9 | 271.9 | 117.4 | 391.0 |
| 1986 | 1,700 | 400 | 300 | 180 | 1,449.7 | 253.9 | 114.8 | 348.0 |
| 1987 | 1,700 | 400 | 300 | 180 | 1,410.1 | 233.3 | 113.7 | 332.8 |

CASH RECEIPTS FROM FARM MARKETINGS BY COMMODITIES, NEVADA, 1985-87

| Item | 1985 | | 1986 | | 1987 | | 1/ |
|---|----------------|--------------|----------------|--------------|----------------|--------------|----|
| | Thou. Dol. | % of Total | Thou. Dol. | % of Total | Thou. Dol. | % of Total | |
| Cattle & Calves | 101,754 | 45.2 | 119,670 | 50.3 | 125,088 | 51.4 | |
| Dairy Products | 33,408 | 14.8 | 32,818 | 13.8 | 34,125 | 14.0 | |
| Sheep & Lambs (Including Wool) | 6,954 | 3.1 | 3,850 | 1.6 | 5,260 | 2.2 | |
| All Other Livestock & Products | 1,808 | .8 | 2,445 | 1.0 | 2,920 | 1.2 | |
| Total Livestock & Products . | 143,924 | 63.9 | 158,783 | 66.7 | 167,393 | 68.8 | |
| All Hay | 46,987 | 20.9 | 52,527 | 22.1 | 45,842 | 18.9 | |
| Alfalfa Seed | 7,414 | 3.3 | 6,028 | 2.5 | 6,574 | 2.7 | |
| Potatoes | 12,329 | 5.5 | 8,334 | 3.5 | 11,455 | 4.7 | |
| Food & Feed Grains | 8,690 | 3.9 | 7,168 | 3.0 | 6,999 | 2.9 | |
| Vegetables | 5,497 | 2.4 | 4,969 | 2.1 | 4,701 | 1.9 | |
| All Other Crops | 255 | .1 | 218 | .1 | 216 | .1 | |
| Total Crops | 81,172 | 36.1 | 79,244 | 33.3 | 75,787 | 31.2 | |
| Total All Commodities | 225,096 | 100.0 | 238,027 | 100.0 | 243,180 | 100.0 | |

1/ Preliminary.

Cash Receipts From Farm Marketing of Commodities



PRODUCTION EXPENSES OF NEVADA FARMERS AND RANCHERS, 1985-87 1/

| Item | 1985 | 1986 | 1987 |
|--|-----------------|--------------|--------------|
| | Million Dollars | | |
| Feed | 28.9 | 26.3 | 25.4 |
| Livestock. | 10.5 | 5.2 | 5.0 |
| Seed | 3.9 | 3.5 | 3.5 |
| Fertilizer and lime. | 6.8 | 4.7 | 7.3 |
| Repair and operation of capital items. | 34.8 | 31.4 | 29.4 |
| Hired labor. | 22.1 | 22.3 | 24.2 |
| Miscellaneous. | 53.2 | 52.0 | 45.3 |
| Total current farm operating expenses | 160.2 | 145.4 | 140.1 |
| Depreciation and other consumption of farm capital | 41.8 | 40.0 | 35.6 |
| Taxes on farm mortgage debt | 3.5 | 3.5 | 3.3 |
| Interest on farm mortgage debt. | 27.4 | 25.4 | 24.9 |
| Net rent to nonfarm landlords | 4.8 | 4.4 | 3.9 |
| Total Production Expense. | 237.8 | 218.6 | 207.9 |

FARM INCOME HIGHER

Net farm income totaled 48.0 million dollars in 1987 compared with 25.6 million dollars a year earlier. The increase from 1986 was mainly due to a 5 percent drop in farm production expenses as cash receipts from farm marketings rose only 2 percent. Total gross farm income (before deducting farm production expenses and net change in inventories) was 276.5 million in 1987, up 3 percent from the preceding year.

FARM INCOME, NEVADA, 1985-87 1/

| Item | 1985 | 1986 | 1987 |
|---|-----------------|--------------|--------------|
| | Million Dollars | | |
| Realized gross farm income | | | |
| Cash receipts from farm marketings. | 225.1 | 238.0 | 243.2 |
| Government payments | 3.9 | 3.5 | 3.9 |
| Non-money income. | 28.6 | 25.2 | 27.2 |
| Other farm income | 2.5 | 2.0 | 2.3 |
| Total gross farm income. | 260.1 | 268.7 | 276.5 |
| Farm production expenses | 237.8 | 218.6 | 207.9 |
| Realized net farm income | 22.3 | 50.1 | 68.6 |
| Net change in farm inventories | -7.6 | -24.5 | -20.6 |
| Total net farm income. | 14.7 | 25.6 | 48.0 |

1/ Details may not add to totals due to rounding.

WEATHER SUMMARY, 1986-87

GENERAL: Precipitation for the water year October 1, 1986 through September 30, 1987 totaled 7.77 inches--about 12 percent below normal and more than two inches less than a year earlier. Fall started with freezing temperatures but the last half of October had typical Indian Summer type weather that extended into the first week of November. Pleasant fall weather ended relatively early as periodic, cold winter storms the remainder of November lowered temperatures and produced accumulations of snow at higher elevations. Winter started relatively mild with above normal temperatures the beginning and ending of December but with well below normal amounts of precipitation. First major snowstorm of the season occurred early in January. January was mostly cold with below normal snow accumulations. February was mild the first half but cold at the end of the winter season. March came in like a lamb but went out like a lion. April was mild but May started and ended wet, cool, and windy. Temperatures during the summer season were below normal and precipitation was well below average. No snow was recorded in September. Temperatures during the 1986-87 year averaged 50.9 degrees--slightly below normal. July was again replaced by August as the hottest month of the summer season with an average of 71.2 degrees.

FALL 1986: October started with temperatures well below normal in all areas. Freezing temperatures were common except in the extreme south. Precipitation was widespread, several inches of snow fell in the northern mountains and even reached some valley floors. A high pressure system produced pleasant fall weather midmonth, followed by a weak low pressure system that brought occasional cloudiness, scattered showers, and thunderstorms to the extreme south. Remainder of the month was largely sunny, relatively mild, and dry (Typical Indian Summer type weather). Vegetative killing frosts were common throughout October. November started like October ended, relatively mild and dry. Precipitation largely in the form of snow fell midmonth in the more northern areas while about an inch of rain was dropped in the extreme south. November ended mostly dry with slightly above normal temperatures.

WINTER 1986-87: December started with a warming trend and mostly clear skies but changed quickly when a cold front moved through dropping temperatures in all areas. Strong winds in advance of the storm peaked at 75mph along the Sierras. A series of weakening cold fronts the remainder of December delivered small amounts of precipitation in the form of light rain or snow along the Sierras, the more northern areas and the extreme south. Snowpack over the Sierra Mountains remained in a short term drought situation with little water storage potential and a disaster so far as the skiing industry was concerned. Temperatures at the end of December were near normal most areas. First major storm of the winter season occurred at the beginning of January. The month started with slightly above normal temperatures and fog in some northern valleys. A mild winter weather pattern New Year's Day produced strong winds, generally widespread precipitation in the northern areas, and up to a foot of snow in the northern Sierras. Strong winds were recorded in most western areas, and up to three feet of additional snow fell in the Sierra ski areas. Considerable snow accumulated in the southcentral area, unusual snow was observed in the extreme south. Cold, northerly airflows dominated at midmonth and throughout the remainder of January. Frontal systems extended into February but produced only light precipitation, cloudy skies, and above normal temperatures. Temperatures remained above normal through midmonth. Several warm Pacific frontal systems produced high winds, rain, and some snow--from three to five feet of additional snow in the Sierras. Rain was confined to areas below 6,500 feet. Temperatures the remainder of February were below normal most areas. Above normal precipitation was reported all sections, mostly in form of snow north and west, and rain in the extreme south.

WEATHER SUMMARY, 1986-87, cont.

SPRING 1987: March began mild with increasing high clouds and winds. Precipitation started in the west and spread to the east and south. A series of storms midmonth produced precipitation most areas. The air mass remained relatively warm until the third week when a cold front dropped temperatures sharply but produced mostly wind. A storm near the end of March dropped snow in the north and south central, rain in the extreme south. Weather was typical for March as it came in like a lamb and went out like a lion. April started with snow, rain showers, and temperatures generally below normal. A warming trend the second week resulted in above normal temperatures and dry conditions which extended throughout the remainder of the month. A short lived cold front, however, brought freezing temperatures the night of the 18th and most fruit blossoms were lost. Winds accompanying the storm front were strong enough to warrant high wind watches and/or warnings in all areas. Average temperatures for April were well above normal most areas. May started and ended wet, cool and windy. A series of fast moving fronts brought scattered showers the first half of the month. Sub-tropical moisture from the south spread over all areas midmonth with heavy showers, some flooding, and above normal temperatures. Last week in May had below normal temperatures, heavy precipitation most areas, and gusty winds.

SUMMER 1987: June started with a typical summer weather pattern, mostly dry and warm. Thunderstorms were common throughout the middle of the month but total amounts of precipitation were generally light. June ended with temperatures above normal and spotty, light showers. A few range fires were set off by lightning strikes but acreages burned were relatively small. July began with about normal temperatures, widely scattered thunderstorms and gusty winds. Cooler air moved in at midmonth bringing with it some record low temperatures, morning frosts and snow showers. Precipitation during the month was spotty and generally light with the central and eastern sections receiving the heaviest amounts. Warmer air moved in after midmonth, resulting in generally warm, dry conditions across the State for the rest of the month. August started with near normal temperatures but rapidly moved to well above normal for the remainder of the month. Spotty thundershowers moved through the State midmonth but produced only trace amounts of precipitation in the southeast and a few heavy showers in some localities in the northeast. September began with above normal temperatures and numerous thunderstorms in the central mountains and the Sierras but amounts were light and scattered. Mostly sunny skies prevailed the remainder of the month. Isolated thunderstorms occurred throughout September but in many instances the precipitation evaporated before reaching the ground (The Weather Bureau calls this phenomenon a Virga). One low pressure system brought spotty precipitation and cooler weather briefly toward the end of September but warm temperatures recovered rapidly.

TEMPERATURES AND PRECIPITATION FOR WATER YEAR, 1987

| | 1986 | | | 1987 | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|
| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Total |
| ----- Degrees ----- | | | | | | | | | | | | | |
| Temperature | | | | | | | | | | | | | |
| 1986-87 : | 50.2 | 40.4 | 32.5 | 27.4 | 35.5 | 40.4 | 52.9 | 58.2 | 67.8 | 69.3 | 71.2 | 64.7 | 50.9 |
| Normal : | 53.0 | 40.8 | 33.2 | 31.3 | 36.9 | 40.9 | 47.9 | 57.1 | 66.1 | 74.0 | 71.3 | 63.3 | 51.3 |
| Departure: | -2.8 | -0.4 | -0.7 | -3.9 | -1.4 | -0.5 | +5.0 | +1.1 | +1.7 | -4.7 | -0.1 | +1.4 | -0.4 |
| ----- Inches ----- | | | | | | | | | | | | | |
| Precipitation | | | | | | | | | | | | | |
| 1986-87 : | .48 | .26 | .20 | .73 | .82 | 1.13 | .46 | 2.34 | .52 | .55 | .24 | .04 | 7.77 |
| Normal : | .57 | .76 | .94 | .99 | .83 | .80 | .75 | .87 | .72 | .51 | .56 | .51 | 8.81 |
| Departure: | -.09 | -.50 | -.74 | -.26 | -.01 | +.33 | -.29 | +1.47 | -.20 | +.04 | -.32 | -.47 | -1.04 |

ANNUAL CROP SUMMARY

Nevada ranchers and farmers produced more hay, alfalfa seed, spring wheat and onions in 1987, barley showed no change, but decreases were registered for all other crops. Total acreage harvested was down 1 percent from 1986. Most of the decrease was in hay acreage. Alfalfa acreage showed an increase but all other hay acreage, which is mostly wild hay, dropped substantially because of drought conditions. All wheat production dropped 2 percent, as a 15 percent increase in spring wheat production was not enough to offset a 22 percent drop in winter wheat production. Barley production remained unchanged, but alfalfa seed production was up due to higher yields. Potato output fell due to both decreases in acreage and yield. All hay production was up slightly from 1986. Alfalfa hay production was up 5 percent mainly due to an increase in acreage as yields only increased slightly. All other hay production dropped 10 percent from the previous year due to declines in both acreage and yield. Onion output increased 37 percent, the result of more acreage and higher yields. Garlic production dropped 12 percent as a higher yield was not enough to offset a smaller acreage. The total value of selected crops produced in the state totaled \$138.9 million in 1987---up 3 percent from the 1986 total of \$134.2 million. The increase in value was mainly due to higher prices and yields for most crops as total harvested acreage decreased 1 percent.

CROP ACREAGE, PRODUCTION AND VALUE, NEVADA, 1986 AND 1987

| Crop | 1986 | | | | | 1987 | | | | |
|---------------------------|-----------------|-----------|-----------|----------------|----------------|-----------------|-----------|----------------|----------------|-------|
| | Acres Harvested | Yield | | Production | | Acres Harvested | Yield | | Production | |
| | | Per Acre | Unit | Total | Value | | Per Acre | Unit | Total | Value |
| | | | | Thou- sands | 1,000 Dols. | | | Thou- sands | 1,000 Dols. | |
| Wheat, All . . . | 22,000 | 78.2 | Bu. | 1,720 | 3,663 | 21,000 | 80.0 | 1,680 | 3,718 | |
| Spring | 13,000 | 70.0 | Bu. | 910 | 2,002 | 14,000 | 75.0 | 1,050 | 2,363 | |
| Winter | 9,000 | 90.0 | Bu. | 810 | 1,661 | 7,000 | 90.0 | 630 | 1,355 | |
| Barley | 33,000 | 90.0 | Bu. | 2,970 | 5,495 | 33,000 | 90.0 | 2,970 | 5,792 | |
| Hay, All | 520,000 | 2.65 | Tons | 1,376 | 101,824 | 515,000 | 2.68 | 1,380 | 109,710 | |
| Alfalfa | 240,000 | 4.10 | Tons | 984 | 1/ | 245,000 | 4.20 | 1,029 | 1/ | |
| All Other | 280,000 | 1.40 | Tons | 392 | 1/ | 270,000 | 1.30 | 351 | 1/ | |
| Alfalfa Seed | 10,000 | 600 | Lbs. | 6,000 | 6,000 | 10,000 | 630 | 6,300 | 7,245 | |
| Potatoes | 9,000 | 350 | Cwt. | 3,150 | 13,073 | 8,000 | 340 | 2,720 | 8,432 | |
| Garlic | 800 | 6.5 | Tons | 5.2 | 1,976 | 660 | 7.0 | 4.6 | 1,656 | |
| Onions | 400 | 21.0 | Tons | 8.4 | 2,184 | 460 | 25.0 | 11.5 | 2,300 | |
| All Crops. | 595,200 | -- | -- | -- | 134,215 | 588,120 | -- | -- | 138,853 | |

1/ Not available.

Conversion: 33.3 Bu. Wheat = 1 Ton; 41.7 Bu. Barley = 1 Ton.

WINTER WHEAT: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1978-87

| Year | Acres Planted | Acres Harvested | Yield | | Season Average Price | | Value of Production |
|------------|------------------|--------------------|-------------|------------|----------------------------|------------------|---------------------------|
| | | | Per Acre | Production | Dol. Per Bu. | Thousand Dollars | |
| | | | Bushels | Thou. Bu. | | | |
| 1978 . . . | 11,000 | 10,000 | 65 | 650 | 3.40 | | 2,210 |
| 1979 . . . | 12,000 | 11,000 | 70 | 770 | 4.15 | | 3,196 |
| 1980 . . . | 13,000 | 12,000 | 65 | 780 | 3.80 | | 2,964 |
| 1981 . . . | 16,000 | 15,000 | 70 | 1,050 | 3.40 | | 3,570 |
| 1982 . . . | 16,000 | 15,000 | 70 | 1,050 | 3.53 | | 3,707 |
| 1983 . . . | 9,000 | 8,000 | 70 | 560 | 3.40 | | 1,904 |
| 1984 . . . | 9,000 | 8,000 | 80 | 640 | 2.90 | | 1,856 |
| 1985 . . . | 10,000 | 9,000 | 80 | 720 | 2.55 | | 1,836 |
| 1986 . . . | 10,000 | 9,000 | 90 | 810 | 2.05 | | 1,661 |
| 1987 . . . | 8,000 | 7,000 | 90 | 630 | 2.15 | | 1,355 |

WINTER WHEAT: ACREAGE, YIELD AND PRODUCTION, BY COUNTIES, NEVADA, 1986-87

| County | 1986 | | | | 1987 | | | |
|-----------------|---------|-----------|---------|------------|---------|-----------|---------|------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | Acres | | Bushels | | Acres | | Bushels | |
| Churchill . . . | 900 | 800 | 85.0 | 68,000 | 700 | 600 | 80.0 | 48,000 |
| Eureka . . . | 500 | 400 | 75.0 | 30,000 | 400 | 300 | 75.0 | 22,500 |
| Humboldt . . . | 3,200 | 2,900 | 95.0 | 275,500 | 2,500 | 2,200 | 100.0 | 220,000 |
| Lyon | 1,200 | 1,000 | 85.0 | 85,000 | 900 | 700 | 75.0 | 52,500 |
| Pershing . . . | 2,500 | 2,300 | 100.0 | 230,000 | 2,000 | 1,800 | 100.0 | 180,000 |
| All Others . . | 1,700 | 1,600 | 76.0 | 121,500 | 1,500 | 1,400 | 76.0 | 107,000 |
| State Totals | 10,000 | 9,000 | 90.0 | 810,000 | 8,000 | 7,000 | 90.0 | 630,000 |

SPRING WHEAT: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1978-87

| Year | Acres Planted | Acres Harvested | Yield | | Season Average Price | | Value of Production |
|------------|------------------|--------------------|-------------|------------|----------------------------|------------------|---------------------------|
| | | | Per Acre | Production | Dol. Per Bu. | Thousand Dollars | |
| | | | Bushels | Thou. Bu. | | | |
| 1978 . . . | 13,000 | 12,000 | 55 | 660 | 3.40 | | 2,244 |
| 1979 . . . | 14,000 | 13,000 | 50 | 650 | 4.00 | | 2,600 |
| 1980 . . . | 19,000 | 17,000 | 60 | 1,020 | 3.80 | | 3,876 |
| 1981 . . . | 18,000 | 16,000 | 50 | 800 | 3.40 | | 2,720 |
| 1982 . . . | 16,000 | 14,000 | 60 | 840 | 3.53 | | 2,965 |
| 1983 . . . | 12,000 | 10,000 | 70 | 700 | 3.65 | | 2,555 |
| 1984 . . . | 18,000 | 16,000 | 75 | 1,200 | 3.05 | | 3,660 |
| 1985 . . . | 17,000 | 15,000 | 70 | 1,050 | 2.90 | | 3,045 |
| 1986 . . . | 15,000 | 13,000 | 70 | 910 | 2.20 | | 2,002 |
| 1987 . . . | 16,000 | 14,000 | 75 | 1,050 | 2.25 | | 2,363 |

SPRING WHEAT: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, NEVADA, 1986-87

| County | 1986 | | | | 1987 | | | |
|-----------------|---------|-----------|---------|------------|---------|-----------|---------|------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | Acres | | Bushels | | Acres | | Bushels | |
| Churchill . . . | 1,200 | 1,000 | 75.0 | 75,000 | 1,400 | 1,200 | 70.0 | 84,000 |
| Eureka . . . | 900 | 700 | 65.0 | 45,500 | 1,000 | 800 | 65.0 | 52,000 |
| Humboldt . . . | 6,300 | 5,500 | 70.0 | 385,000 | 6,600 | 5,800 | 80.0 | 464,000 |
| Lander . . . | 400 | 300 | 75.0 | 22,500 | 400 | 300 | 65.0 | 19,500 |
| Lyon | 1,000 | 800 | 75.0 | 60,000 | 1,100 | 900 | 70.0 | 63,000 |
| Pershing . . . | 4,300 | 3,800 | 70.0 | 266,000 | 4,600 | 4,100 | 75.0 | 307,500 |
| All Others . . | 900 | 900 | 62.0 | 56,000 | 900 | 900 | 67.0 | 60,000 |
| State Totals | 15,000 | 13,000 | 70.0 | 910,000 | 16,000 | 14,000 | 75.0 | 1,050,000 |

BARLEY: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1978-87

| Year | Acres Planted | Acres Harvested | Yield | Production | Season | Value |
|------------|------------------|--------------------|---------|------------|--------------|------------------|
| | | | Per | | Average | of |
| | | | Acres | | Price | Production |
| | | | Bushels | Thou. Bu. | Dol. Per Bu. | Thousand Dollars |
| 1978 . . . | 30,000 | 27,000 | 60 | 1,620 | 2.19 | 3,548 |
| 1979 . . . | 30,000 | 27,000 | 60 | 1,620 | 2.70 | 4,374 |
| 1980 . . . | 31,000 | 28,000 | 70 | 1,960 | 3.15 | 6,174 |
| 1981 . . . | 33,000 | 30,000 | 55 | 1,650 | 2.79 | 4,604 |
| 1982 . . . | 35,000 | 32,000 | 80 | 2,560 | 2.43 | 6,221 |
| 1983 . . . | 37,000 | 34,000 | 80 | 2,720 | 2.90 | 7,888 |
| 1984 . . . | 40,000 | 37,000 | 90 | 3,330 | 2.55 | 8,492 |
| 1985 . . . | 40,000 | 37,000 | 80 | 2,960 | 2.15 | 6,364 |
| 1986 . . . | 36,000 | 33,000 | 90 | 2,970 | 1.85 | 5,495 |
| 1987 . . . | 36,000 | 33,000 | 90 | 2,970 | 1.95 | 5,792 |

BARLEY: ACREAGE, YIELD AND PRODUCTION, BY COUNTIES, NEVADA, 1986-87

| County | 1986 | | | | 1987 | | | |
|------------------|---------|-----------|---------|------------|---------|-----------|---------|------------|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | Acres | | Bushels | | Acres | | Bushels | |
| Churchill . . . | 3,800 | 3,400 | 85.0 | 289,000 | 3,700 | 3,400 | 95.0 | 323,000 |
| Eureka . . . | 3,100 | 2,700 | 85.0 | 229,500 | 3,200 | 2,800 | 75.0 | 210,000 |
| Humboldt . . . | 16,600 | 16,000 | 95.0 | 1,520,000 | 17,000 | 16,500 | 95.0 | 1,567,500 |
| Lander . . . | 1,100 | 900 | 75.0 | 67,500 | 1,300 | 1,000 | 65.0 | 65,000 |
| Lyon . . . | 3,200 | 2,900 | 85.0 | 246,500 | 3,100 | 2,800 | 90.0 | 252,000 |
| Pershing . . . | 2,900 | 2,500 | 100.0 | 250,000 | 2,600 | 2,300 | 100.0 | 230,000 |
| Washoe . . . | 800 | 700 | 80.0 | 56,000 | 800 | 700 | 80.0 | 56,000 |
| White Pine . . . | 1,000 | 800 | 85.0 | 68,000 | 900 | 700 | 75.0 | 52,500 |
| All Others . . . | 3,500 | 3,100 | 79.0 | 243,500 | 3,400 | 2,800 | 76.0 | 214,000 |
| State Totals | 36,000 | 33,000 | 90.0 | 2,970,000 | 36,000 | 33,000 | 90.0 | 2,970,000 |

HAY: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1978-87

| Year | All Hay | | | | | Alfalfa Hay | | |
|------------|--------------------|-------------|------------|------------------|------------------|--------------------|-------------|------------|
| | Acres Harvested | Yield | Production | Season | Value | Acres Harvested | Yield | Production |
| | | Per Acre | | Average Price | of Production | | Per Acre | |
| | Tons | Thou. Tons | Dollars | Thou. Dols. | Tons | Thou. Tons | | |
| 1978 . . . | 480 | 2.26 | 1,084 | 52.50 | 56,910 | 220 | 3.45 | 759 |
| 1979 . . . | 495 | 2.18 | 1,081 | 82.00 | 88,642 | 215 | 3.40 | 731 |
| 1980 . . . | 500 | 2.19 | 1,095 | 90.50 | 99,098 | 215 | 3.50 | 753 |
| 1981 . . . | 470 | 2.30 | 1,081 | 70.00 | 73,220 | 220 | 3.55 | 781 |
| 1982 . . . | 510 | 2.45 | 1,249 | 86.50 | 108,039 | 225 | 3.65 | 821 |
| 1983 . . . | 530 | 2.46 | 1,302 | 91.00 | 118,482 | 230 | 3.90 | 897 |
| 1984 . . . | 525 | 2.56 | 1,346 | 75.00 | 100,950 | 235 | 4.00 | 940 |
| 1985 . . . | 495 | 2.63 | 1,302 | 80.50 | 104,811 | 235 | 4.10 | 964 |
| 1986 . . . | 520 | 2.65 | 1,376 | 74.00 | 101,824 | 240 | 4.10 | 984 |
| 1987 . . . | 515 | 2.68 | 1,380 | 79.50 | 109,710 | 245 | 4.20 | 1,029 |

**HAY: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY TYPES,
BY COUNTIES, NEVADA, 1986**

| County | Alfalfa Hay | | | All Other Hay | | | All Hay |
|-----------------------|-------------|-------|------------|---------------|-------|------------|------------|
| | Acres | Yield | Production | Acres | Yield | Production | Production |
| | | Tons | Tons | | Tons | Tons | Tons |
| Churchill. | 32,000 | 4.50 | 144,000 | 3,000 | 1.80 | 5,400 | 149,400 |
| Douglas. | 7,000 | 3.90 | 27,300 | 8,000 | 1.70 | 13,600 | 40,900 |
| Humboldt | 38,000 | 4.10 | 155,800 | 47,000 | 1.25 | 58,750 | 214,550 |
| Lyon | 35,000 | 4.10 | 143,500 | 6,000 | 1.75 | 10,500 | 154,000 |
| Carson City | 300 | 4.00 | 1,200 | 300 | 1.40 | 420 | 1,620 |
| Pershing | 19,000 | 4.40 | 83,600 | 3,000 | 1.70 | 5,100 | 88,700 |
| Storey | 100 | 4.00 | 400 | 200 | 1.10 | 220 | 620 |
| Washoe | 11,000 | 4.30 | 47,300 | 9,000 | 2.00 | 18,000 | 65,300 |
| District 1 | 142,400 | 4.24 | 603,100 | 76,500 | 1.46 | 111,990 | 715,090 |
| Elko | 27,000 | 3.10 | 83,700 | 164,400 | 1.35 | 221,940 | 305,640 |
| Eureka | 19,000 | 3.90 | 74,100 | 10,000 | 1.70 | 17,000 | 91,100 |
| Lander | 10,000 | 3.90 | 39,000 | 15,000 | 1.30 | 19,500 | 58,500 |
| White Pine | 12,000 | 3.70 | 44,400 | 5,000 | 1.50 | 7,500 | 51,900 |
| District 3 | 68,000 | 3.55 | 241,200 | 194,400 | 1.37 | 265,940 | 507,140 |
| Clark. | 6,000 | 5.10 | 30,600 | 500 | 2.60 | 1,300 | 31,900 |
| Esmeralda. | 6,000 | 4.40 | 26,400 | 400 | 1.30 | 520 | 26,920 |
| Lincoln. | 6,600 | 4.00 | 26,400 | 1,000 | 1.45 | 1,450 | 27,850 |
| Mineral. | 3,000 | 4.10 | 12,300 | 200 | 1.50 | 300 | 12,600 |
| Nye. | 8,000 | 5.50 | 44,000 | 7,000 | 1.50 | 10,500 | 54,500 |
| District 8 | 29,600 | 4.72 | 139,700 | 9,100 | 1.55 | 14,070 | 153,770 |
| State Total. | 240,000 | 4.10 | 984,000 | 280,000 | 1.40 | 392,000 | 1,376,000 |

**HAY: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY TYPES,
BY COUNTIES, NEVADA, 1987**

| County | Alfalfa Hay | | | All Other Hay | | | All Hay |
|-----------------------|-------------|-------|------------|---------------|-------|------------|------------|
| | Acres | Yield | Production | Acres | Yield | Production | Production |
| | | Tons | Tons | | Tons | Tons | Tons |
| Churchill. | 35,000 | 4.40 | 154,000 | 3,000 | 1.85 | 5,550 | 159,550 |
| Douglas. | 6,000 | 3.95 | 23,700 | 7,000 | 1.70 | 11,900 | 35,600 |
| Humboldt | 38,000 | 4.60 | 174,800 | 47,000 | .90 | 42,300 | 217,100 |
| Lyon | 36,000 | 4.15 | 149,400 | 5,000 | 1.80 | 9,000 | 158,400 |
| Carson City | 300 | 3.90 | 1,170 | 300 | 1.40 | 420 | 1,590 |
| Pershing | 18,000 | 4.50 | 81,000 | 3,500 | 1.80 | 6,300 | 87,300 |
| Storey | 100 | 4.00 | 400 | 200 | 1.10 | 220 | 620 |
| Washoe | 11,000 | 4.30 | 47,300 | 8,000 | 1.90 | 15,200 | 62,500 |
| District 1 | 144,400 | 4.38 | 631,770 | 74,000 | 1.23 | 90,890 | 722,660 |
| Elko | 29,000 | 3.10 | 89,900 | 159,000 | 1.30 | 206,700 | 296,600 |
| Eureka | 20,000 | 4.00 | 80,000 | 10,000 | 1.40 | 14,000 | 94,000 |
| Lander | 9,000 | 3.80 | 34,200 | 14,000 | 1.40 | 19,600 | 53,800 |
| White Pine | 11,000 | 3.80 | 41,800 | 5,000 | 1.40 | 7,000 | 48,800 |
| District 3 | 69,000 | 3.56 | 245,900 | 188,000 | 1.32 | 247,300 | 493,200 |
| Clark. | 6,000 | 5.20 | 31,200 | 500 | 2.00 | 1,000 | 32,200 |
| Esmeralda. | 6,000 | 4.40 | 26,400 | 400 | 1.40 | 560 | 26,960 |
| Lincoln. | 7,600 | 4.30 | 32,680 | 900 | 1.50 | 1,350 | 34,030 |
| Mineral. | 3,000 | 4.15 | 12,450 | 200 | 1.50 | 300 | 12,750 |
| Nye. | 9,000 | 5.40 | 48,600 | 6,000 | 1.60 | 9,600 | 58,200 |
| District 8 | 31,600 | 4.79 | 151,330 | 8,000 | 1.60 | 12,810 | 164,140 |
| State Total. | 245,000 | 4.20 | 1,029,000 | 270,000 | 1.30 | 351,000 | 1,380,000 |

POTATOES: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1978-87

| Year | Acres Planted | Acres Harvested | Yield | Production | Season | Value |
|----------|------------------|--------------------|-------------|------------|---------------|------------------|
| | | | Per Acre | | Average | of Production |
| | | | Cwt. | Thou. Cwt. | Dol. Per Cwt. | Thousand Dollars |
| 1978 . . | 17,000 | 17,000 | 320 | 5,440 | 2.40 | 13,056 |
| 1979 . . | 15,000 | 15,000 | 330 | 4,950 | 2.75 | 13,613 |
| 1980 . . | 13,000 | 13,000 | 340 | 4,420 | 5.20 | 22,984 |
| 1981 . . | 12,000 | 12,000 | 290 | 3,480 | 4.90 | 17,052 |
| 1982 . . | 13,000 | 13,000 | 315 | 4,095 | 2.60 | 10,647 |
| 1983 . . | 12,000 | 12,000 | 310 | 3,720 | 5.70 | 21,204 |
| 1984 . . | 10,000 | 10,000 | 330 | 3,300 | 4.60 | 15,180 |
| 1985 . . | 9,000 | 9,000 | 345 | 3,105 | 2.80 | 8,694 |
| 1986 . . | 9,000 | 9,000 | 350 | 3,150 | 4.15 | 13,073 |
| 1987 . . | 8,000 | 8,000 | 340 | 2,720 | 3.10 | 8,432 |

ONIONS: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1982-87

| Year | Acres Planted 1/ | Acres Harvested | Yield | Production | Season | Value |
|----------|---------------------|--------------------|-------------|------------|--------------|------------------|
| | | | Per Acre | | Average | of Production |
| | | | Tons | Tons | Dol. Per Ton | Thousand Dollars |
| 1982 . . | | 600 | 23 | 13,800 | 200.00 | 2,760 |
| 1983 . . | | 500 | 21 | 10,500 | 210.00 | 2,205 |
| 1984 . . | | 400 | 23 | 9,200 | 280.00 | 2,576 |
| 1985 . . | | 600 | 21 | 12,600 | 200.00 | 2,520 |
| 1986 . . | | 400 | 21 | 8,400 | 260.00 | 2,184 |
| 1987 . . | | 460 | 25 | 11,500 | 200.00 | 2,300 |

1/ Not available.

GARLIC: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1982-87

| Year | Acres Planted 1/ | Acres Harvested | Yield | Production | Season | Value |
|----------|---------------------|--------------------|-------------|------------|--------------|------------------|
| | | | Per Acre | | Average | of Production |
| | | | Tons | Tons | Dol. Per Ton | Thousand Dollars |
| 1982 . . | | 600 | 5.5 | 3,200 | 360.00 | 1,152 |
| 1983 . . | | 800 | 6.0 | 4,800 | 440.00 | 2,112 |
| 1984 . . | | 800 | 6.0 | 4,800 | 440.00 | 2,112 |
| 1985 . . | | 900 | 6.0 | 5,400 | 400.00 | 2,160 |
| 1986 . . | | 800 | 6.5 | 5,200 | 380.00 | 1,976 |
| 1987 . . | | 660 | 7.0 | 4,600 | 360.00 | 1,656 |

1/ Not available.

ALFALFA SEED: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1977-87

| Year | Acres Planted 1/ | Acres Harvested | Yield Per Acre Pounds | Production Thou. Lbs. | Season Average Price Dol. Per Lb. | Value of Production Thousand Dollars |
|--------|---------------------|--------------------|--------------------------------|--------------------------|--|---|
| 1977 . | | 15,500 | 520 | 8,060 | 1.25 | 10,075 |
| 1978 . | | 17,000 | 365 | 6,205 | 1.35 | 8,377 |
| 1979 . | | 18,000 | 405 | 7,290 | 1.30 | 9,477 |
| 1980 . | | 17,000 | 450 | 7,650 | 1.20 | 9,180 |
| 1981 . | | 17,000 | 530 | 9,010 | 1.15 | 10,362 |
| 1982 . | | 13,000 | 350 | 4,550 | 1.05 | 4,778 |
| 1983 . | | 10,000 | 405 | 4,050 | 1.15 | 4,658 |
| 1984 . | | 10,000 | 525 | 5,250 | 1.10 | 5,775 |
| 1985 . | | 11,000 | 670 | 7,370 | 1.00 | 7,370 |
| 1986 . | | 10,000 | 600 | 6,000 | 1.00 | 6,000 |
| 1987 . | | 10,000 | 630 | 6,300 | 1.15 | 7,245 |

1/ Not available.

ALFALFA SEED: ACREAGE, YIELD, PRODUCTION, BY COUNTIES, NEVADA, 1981-87

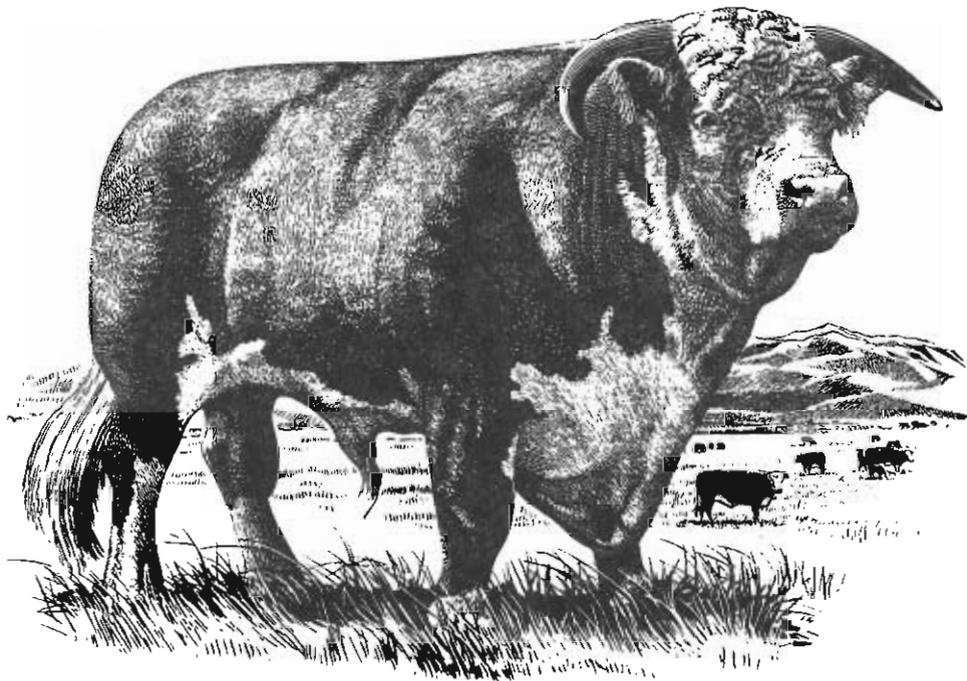
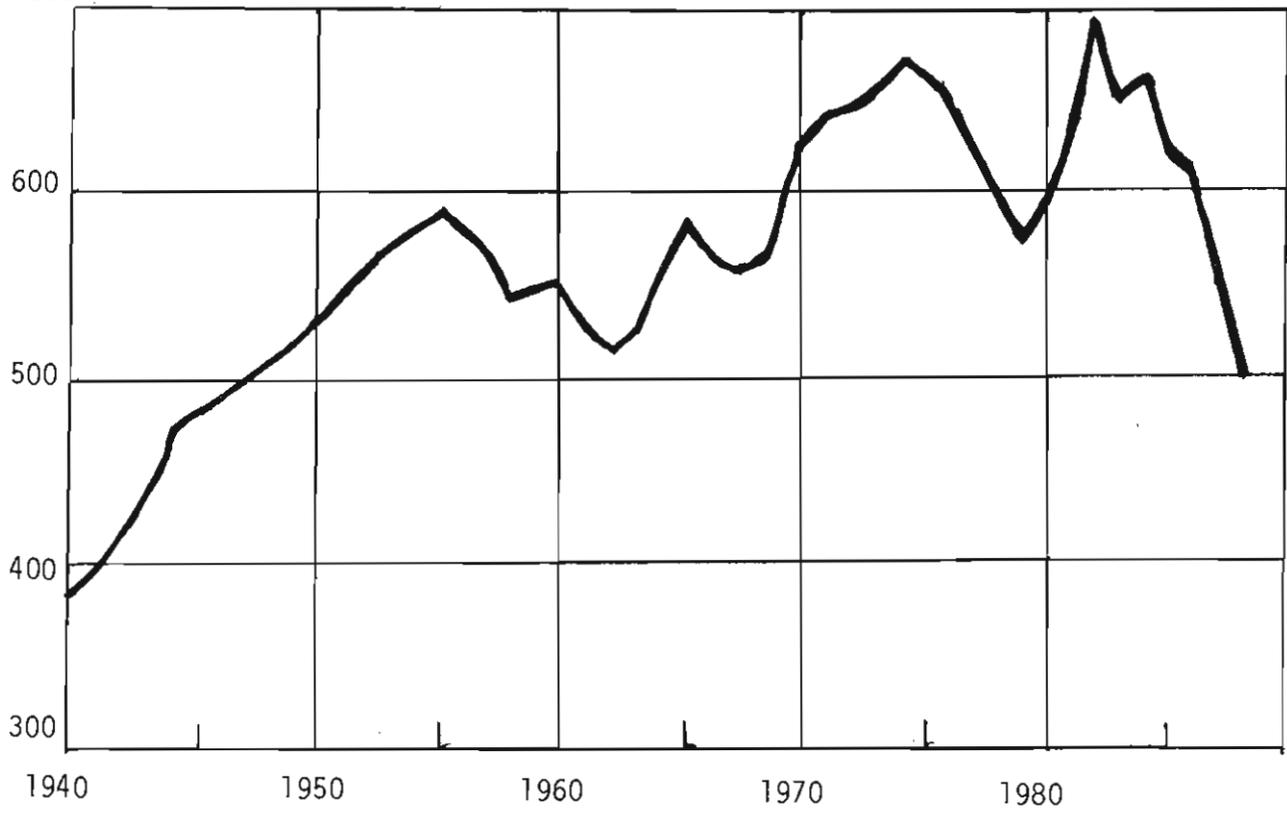
| Year | Humboldt | Pershing | All Other 1/ | Nevada Total |
|---|----------|----------|--------------|--------------|
| Harvested Acres | | | | |
| 1981 . | 6,200 | 10,000 | 800 | 17,000 |
| 1982 . | 4,500 | 8,000 | 500 | 13,000 |
| 1983 . | 2,900 | 6,800 | 300 | 10,000 |
| 1984 . | 2,700 | 7,000 | 300 | 10,000 |
| 1985 . | 2,500 | 8,300 | 200 | 11,000 |
| 1986 . | 2,500 | 7,300 | 200 | 10,000 |
| 1987 . | 3,100 | 6,700 | 200 | 10,000 |
| Yield Per Acre Pounds | | | | |
| 1981 . | 400 | 620 | 410 | 530 |
| 1982 . | 300 | 380 | 320 | 350 |
| 1983 . | 330 | 440 | 335 | 405 |
| 1984 . | 450 | 560 | 385 | 525 |
| 1985 . | 540 | 715 | 425 | 670 |
| 1986 . | 410 | 670 | 425 | 600 |
| 1987 . | 490 | 700 | 450 | 630 |
| Production of Clean Seed Thousand Pounds | | | | |
| 1981 . | 2,480 | 6,200 | 330 | 9,010 |
| 1982 . | 1,350 | 3,040 | 160 | 4,550 |
| 1983 . | 955 | 2,995 | 100 | 4,050 |
| 1984 . | 1,215 | 3,920 | 115 | 5,250 |
| 1985 . | 1,350 | 5,935 | 85 | 7,370 |
| 1986 . | 1,025 | 4,890 | 85 | 6,000 |
| 1987 . | 1,520 | 4,690 | 90 | 6,300 |

1/ Churchill, Lander, Lincoln, Nye, Washoe and White Pine.

CATTLE AND CALVES

January 1 inventory, 1940-1988

1000 head



CATTLE AND CALVES INVENTORY, JANUARY 1, 1988 1/

| Class of Livestock | Nevada | | | United States | | |
|--------------------------------------|-------------------|---------|---------|-------------------|------------|---------|
| | 1987 | 1988 | 88 as % | 1987 | 1988 | 88 as % |
| | - Thousand Head - | | Pct. | - Thousand Head - | | Pct. |
| All Cattle and Calves. | 550 | 500 | 91 | 102,000 | 98,994 | 97 |
| All Cows That Have Calved: | 285 | 265 | 93 | 44,282 | 43,266 | 98 |
| Beef Cows. | 266 | 246 | 92 | 33,779 | 32,958 | 98 |
| Milk Cows. | 19 | 19 | 100 | 10,502 | 10,307 | 98 |
| Heifers 500 lbs+ | 60 | 55 | 92 | 17,056 | 17,078 | 100 |
| Beef Repl | 36 | 34 | 94 | 5,164 | 5,155 | 100 |
| Milk Repl | 8 | 7 | 88 | 4,331 | 4,111 | 95 |
| Other Heifers | 16 | 14 | 88 | 7,561 | 7,812 | 103 |
| Steers 500 lbs+ | 38 | 28 | 74 | 15,304 | 15,592 | 102 |
| Bulls 500 lbs+ | 15 | 14 | 93 | 2,304 | 2,163 | 98 |
| Calves Under 500 lbs | 152 | 138 | 91 | 23,154 | 20,895 | 90 |
| Calf Crop. | 235 | --- | --- | 40,026 | --- | --- |
| Inventory Value (000 Dols) | 206,250 | 252,500 | 122 | 41,482,765 | 51,807,580 | 125 |
| Value Per Head (Dollars) | 375 | 505 | 135 | 407 | 523 | 129 |

1/ Sum of classes may not add to total due to rounding.

CATTLE AND CALVES: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1978-87

| Year | All | Calves Born | Inship-ments | Marketings | | Farm Slaughter | Deaths | |
|----------------|-------------------|-------------|--------------|------------|--------|----------------|--------|--------|
| | Cattle Jan. 1 | | | Cattle | Calves | | Cattle | Calves |
| | - Thousand Head - | | | | | | | |
| 1978 | 585 | 245 | 40 | 159 | 107 | 5 | 9 | 15 |
| 1979 | 575 | 260 | 40 | 151 | 102 | 5 | 8 | 14 |
| 1980 | 595 | 280 | 45 | 149 | 102 | 5 | 9 | 15 |
| 1981 | 640 | 290 | 30 | 134 | 92 | 5 | 11 | 18 |
| 1982 | 700 | 290 | 20 | 193 | 131 | 5 | 11 | 20 |
| 1983 | 650 | 295 | 25 | 162 | 109 | 5 | 12 | 22 |
| 1984 | 660 | 285 | 20 | 185 | 125 | 5 | 10 | 20 |
| 1985 | 620 | 270 | 25 | 151 | 120 | 5 | 10 | 19 |
| 1986 | 610 | 260 | 15 | 188 | 115 | 5 | 9 | 18 |
| 1987 | 550 | 235 | 10 | 164 | 104 | 5 | 7 | 15 |
| 1988 | 500 | | | | | | | |

CATTLE AND CALVES: PRODUCTION AND INCOME, NEVADA, 1978-87

| Year | Production | Marketings | Value of Production | Cash | Value of | Gross |
|----------------|---------------------|------------|---------------------|----------------------|----------|---------|
| | | | | Receipts | Home | |
| | - Thousand Pounds - | | | - Thousand Dollars - | | |
| 1978 | 173,310 | 199,507 | 88,511 | 101,376 | 3,317 | 104,693 |
| 1979 | 184,905 | 190,190 | 125,655 | 128,348 | 4,100 | 132,448 |
| 1980 | 198,185 | 190,050 | 126,602 | 120,864 | 3,464 | 124,328 |
| 1981 | 197,965 | 168,010 | 105,697 | 89,395 | 2,932 | 92,327 |
| 1982 | 209,305 | 262,015 | 100,572 | 124,001 | 2,154 | 126,155 |
| 1983 | 224,850 | 230,725 | 105,830 | 107,689 | 2,875 | 110,564 |
| 1984 | 219,110 | 258,425 | 105,263 | 123,418 | 2,392 | 125,810 |
| 1985 | 194,060 | 214,430 | 92,836 | 101,753 | 2,361 | 104,114 |
| 1986 | 199,625 | 249,875 | 96,094 | 119,670 | 2,399 | 122,069 |
| 1987 | 179,360 | 219,240 | 102,743 | 125,088 | 2,836 | 127,924 |

1/ Receipts from marketings and sale of farm slaughter.

CATTLE ON FEED

Cattle and calves on feed for slaughter market on January 1, 1988 were estimated at 28,000 head--17 percent higher than the preceding year but well below the record high 51,000 head on feed January 1, 1974.

CATTLE AND CALVES: NUMBER ON FEED ON JANUARY 1, NEVADA, 1985-88

| Item | 1985 | 1986 | 1987 | 1988 | 1988 as % of 1987 |
|---|---------------|------|------|------|----------------------|
| | Thousand Head | | | | Percent |
| Number on feed for slaughter market. | 25 | 26 | 24 | 28 | 117 |

CATTLE AND CALVES: INVENTORY, JANUARY 1, BY COUNTIES, NEVADA, 1983-88

| COUNTY | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 |
|----------------------|----------------|---------|---------|---------|---------|---------|
| | Number of Head | | | | | |
| Carson City. | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,100 |
| Churchill. | 78,000 | 75,000 | 68,000 | 65,000 | 50,000 | 47,000 |
| Douglas. | 22,000 | 22,000 | 19,000 | 18,000 | 17,000 | 15,000 |
| Humboldt | 75,000 | 74,000 | 69,000 | 68,000 | 63,000 | 58,000 |
| Lyon | 60,000 | 59,000 | 51,000 | 48,000 | 41,000 | 36,500 |
| Pershing | 29,000 | 30,000 | 27,000 | 26,000 | 24,000 | 21,000 |
| Storey | 100 | 100 | 100 | 100 | 100 | 100 |
| Washoe | 34,000 | 34,000 | 32,000 | 33,000 | 30,000 | 27,600 |
| District 10 | 299,300 | 295,300 | 267,300 | 259,300 | 226,300 | 206,300 |
| Elko | 195,000 | 190,000 | 180,000 | 178,000 | 170,000 | 156,400 |
| Eureka | 39,000 | 39,000 | 38,000 | 37,000 | 25,000 | 21,800 |
| Lander | 24,000 | 28,000 | 28,000 | 29,000 | 27,000 | 25,000 |
| White Pine | 30,000 | 32,000 | 31,000 | 30,000 | 28,000 | 25,500 |
| District 30 | 288,000 | 289,000 | 277,000 | 274,000 | 250,000 | 228,700 |
| Clark. | 10,000 | 17,000 | 17,000 | 16,000 | 15,000 | 13,000 |
| Esmeralda. | 5,000 | 9,000 | 11,000 | 12,000 | 12,000 | 10,000 |
| Lincoln. | 16,700 | 20,000 | 19,000 | 20,000 | 19,000 | 17,000 |
| Mineral. | 4,000 | 4,700 | 4,700 | 4,700 | 4,700 | 4,200 |
| Nye. | 27,000 | 25,000 | 24,000 | 24,000 | 23,000 | 20,800 |
| District 80 | 62,700 | 75,700 | 75,700 | 76,700 | 73,700 | 65,000 |
| Nevada | 650,000 | 660,000 | 620,000 | 610,000 | 550,000 | 500,000 |

**HONEY BEE COLONIES, HONEY PRODUCTION, VALUE
AND STOCKS, NEVADA, 1975-87**

| Year | Colonies of Bees Number | Yield per Colony Lbs | Total Production Thous Lbs | Price per Pound Cents | Value of Production Thous Dols | Honey Stocks Dec 15 Thous Lbs |
|-------------|--|-------------------------------|----------------------------------|--------------------------------|--------------------------------------|--|
| 1975. . . . | 8 | 55 | 440 | 58.0 | 255 | 132 |
| 1976. . . . | 9 | 55 | 495 | 53.3 | 264 | 20 |
| 1977. . . . | 10 | 55 | 550 | 57.2 | 315 | 193 |
| 1978. . . . | 9 | 40 | 360 | 60.2 | 217 | 108 |
| 1979. . . . | 12 | 35 | 420 | 60.3 | 253 | 105 |
| 1980. . . . | 11 | 60 | 660 | 72.0 | 475 | 231 |
| 1981. . . . | 12 | 35 | 420 | 75.0 | 315 | 88 |
| 1982. . . . | Discontinued in 1982 -- Reinstated in 1986 | | | | | |
| 1986. . . . | 9 | 40 | 360 | 50.0 | 180 | 54 |
| 1987. . . . | 11 | 30 | 330 | 55.0 | 182 | 66 |

RANGE AND PASTURE CONDITION - FIRST OF MONTH, NEVADA, 1969-88

| Year | April | May | June | July | August | September | October | November | December |
|------|-------|-----|------|------|--------|-----------|---------|----------|----------|
| 1969 | 80 | 84 | 89 | 91 | 88 | 86 | 86 | 86 | * |
| 1970 | 81 | 77 | 83 | 85 | 86 | 82 | 84 | 83 | * |
| 1971 | 81 | 85 | 88 | 92 | 87 | 89 | 83 | 85 | * |
| 1972 | 84 | 74 | 71 | 73 | 70 | 61 | 77 | 78 | 84 |
| 1973 | 89 | 94 | 92 | 95 | 87 | 88 | 88 | 82 | 85 |
| 1974 | 91 | 85 | 78 | 73 | 65 | 60 | 62 | 59 | 65 |
| 1975 | 80 | 75 | 82 | 80 | 85 | 89 | 90 | 94 | 91 |
| 1976 | 82 | 72 | 75 | 68 | 68 | 69 | 80 | 84 | 70 |
| 1977 | 47 | 55 | 70 | 75 | 75 | 69 | 80 | 75 | 66 |
| 1978 | 95 | 84 | 87 | 91 | 86 | 86 | 89 | 85 | 90 |
| 1979 | 92 | 92 | 89 | 85 | 83 | 82 | 78 | 85 | 85 |
| 1980 | 94 | 87 | 98 | 97 | 95 | 94 | 95 | 94 | 90 |
| 1981 | 89 | 91 | 82 | 78 | 62 | 60 | 65 | 66 | 67 |
| 1982 | 88 | 90 | 90 | 86 | 87 | 95 | 93 | 99 | ** |
| 1983 | 92 | 91 | 102 | 97 | 99 | 102 | 102 | 105 | ** |
| 1984 | 88 | 95 | 84 | 89 | 88 | 95 | 96 | 105 | ** |
| 1985 | 87 | 85 | 77 | 70 | 60 | 69 | 66 | 72 | ** |
| 1986 | ** | 89 | 87 | 83 | 83 | 70 | 72 | 72 | ** |
| 1987 | ** | 58 | 79 | 79 | 75 | 69 | 66 | 62 | ** |
| 1988 | ** | 64 | 61 | 60 | 60 | | | | |

* Data not available prior to 1972.

** Discontinued.

SHEEP AND LAMB INVENTORY, JANUARY 1, 1987-88 1/

| Class of Livestock | NEVADA | | | UNITED STATES | | |
|--------------------------------|-----------------|--------|---------|-------------------|----------|---------|
| | 1987 | 1988 | 88 as % | 1987 | 1988 | 88 as % |
| | -Thousand Head- | | Pct. | - Thousand Head - | | Pct. |
| All Sheep and Lambs. | 86 | 96 | 112 | 10,334.2 | 10,774.4 | 104 |
| On Feed | — | 2 | — | 1,508.0 | 1,781.0 | 118 |
| Stock Sheep | 86 | 94 | 109 | 8,826.2 | 8,993.4 | 102 |
| Lambs. | 15 | 14 | 93 | 1,659.3 | 1,589.7 | 96 |
| Ewes. | 14 | 13 | 93 | 1,295.9 | 1,266.0 | 98 |
| Wethers & Rams. | 1 | 1 | 100 | 363.4 | 323.7 | 89 |
| One Year and Older | 71 | 80 | 113 | 7,166.9 | 7,403.7 | 103 |
| Ewes. | 69 | 78 | 113 | 6,846.6 | 7,076.7 | 103 |
| Wethers & Rams. | 2 | 2 | 100 | 320.3 | 327.0 | 102 |
| Lambs Saved. | 80 | — | — | 7,229.9 | — | — |
| Inventory Value (000 Dols): | 7,826 | 9,696 | 124 | 782,108 | 968,918 | 124 |
| Value Per Head (Dollars) . . . | 91.00 | 101.00 | 111 | 75.70 | 89.90 | 119 |

1/ Sum of classes may not add to total due to rounding.

SHEEP AND LAMBS: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1978-87

| Year | Sheep & Lambs | | Inshipments | Marketings | | Farm Slaughter | Deaths | |
|----------------|---------------|-------|-------------|---------------|-------|----------------|--------|-------|
| | Lambs | Lambs | | Sheep | Lambs | | Sheep | Lambs |
| | Jan. 1 | Saved | | Thousand Head | | | | |
| 1978 | 125 | 96 | 68 | 8 | 121 | 3 | 13 | 19 |
| 1979 | 125 | 94 | 68 | 12 | 124 | 3 | 10 | 16 |
| 1980 | 122 | 93 | 68 | 6 | 110 | 3 | 9 | 21 |
| 1981 | 134 | 97 | 140 | 13 | 199 | 3 | 10 | 17 |
| 1982 | 129 | 92 | 159 | 18 | 221 | 3 | 10 | 18 |
| 1983 | 110 | 85 | 190 | 15 | 241 | 3 | 7 | 16 |
| 1984 | 103 | 83 | 164 | 7 | 215 | 3 | 8 | 17 |
| 1985 | 100 | 72 | 41 | 17 | 92 | 3 | 6 | 14 |
| 1986 | 81 | 73 | 2 | 2 | 43 | 3 | 7 | 15 |
| 1987 | 86 | 80 | 18 | 2 | 56 | 3 | 7 | 20 |
| 1988 | 96 | | | | | | | |

SHEEP AND LAMBS: PRODUCTION AND INCOME, NEVADA, 1978-87

| Year | Production | Marketings | Value of Production | Cash | Value of | Gross |
|-------------------|------------|------------|----------------------|----------|-------------|--------|
| | | | | Receipts | Home | |
| | | | | l/ | Consumption | |
| -Thousand Pounds- | | | - Thousand Dollars - | | | |
| 1978. | 7,460 | 11,804 | 4,106 | 6,453 | 134 | 6,587 |
| 1979. | 6,230 | 12,495 | 3,495 | 7,112 | 132 | 7,244 |
| 1980. | 7,730 | 12,210 | 4,151 | 7,122 | 129 | 7,251 |
| 1981. | 9,395 | 22,325 | 4,688 | 11,499 | 118 | 11,617 |
| 1982. | 8,925 | 25,185 | 3,615 | 10,228 | 93 | 10,321 |
| 1983. | 11,830 | 29,655 | 4,566 | 11,497 | 85 | 11,582 |
| 1984. | 10,775 | 25,625 | 5,372 | 12,937 | 110 | 13,047 |
| 1985. | 7,085 | 12,780 | 3,747 | 6,461 | 123 | 6,584 |
| 1986. | 5,721 | 5,046 | 3,652 | 3,333 | 150 | 3,483 |
| 1987. | 6,476 | 6,476 | 4,027 | 4,471 | 158 | 4,629 |

1/ Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: INVENTORY, JANUARY 1, BY COUNTIES, NEVADA, 1983-88

| County | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 |
|------------------|---------|---------|---------|--------|--------|--------|
| Carson City. | 1,500 | 2,800 | 2,800 | 3,000 | 3,000 | 3,100 |
| Churchill. . . | 1,500 | 2,000 | 4,000 | 4,000 | 5,000 | 4,900 |
| Douglas. . . . | 6,000 | 9,000 | 9,000 | 7,000 | 7,000 | 6,000 |
| Elko | 37,000 | 34,000 | 31,000 | 22,000 | 22,000 | 19,200 |
| Eureka | 5,000 | 3,000 | 3,000 | 4,000 | 4,000 | 5,600 |
| Humboldt . . . | 4,000 | 5,000 | 5,000 | 4,000 | 6,000 | 7,700 |
| Lander | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 |
| Lyon | 13,000 | 10,000 | 9,000 | 6,000 | 6,000 | 9,000 |
| Nye. | 3,000 | 2,000 | 2,000 | 2,000 | 2,000 | 1,800 |
| Pershing | 10,000 | 11,000 | 11,000 | 7,000 | 9,000 | 11,000 |
| Washoe | 2,500 | 1,500 | 1,500 | 3,000 | 2,000 | 3,000 |
| White Pine . . . | 22,000 | 18,000 | 17,000 | 14,000 | 15,000 | 19,700 |
| All Other. . . . | 500 | 700 | 700 | 1,000 | 1,000 | 1,000 |
| State Total. | 110,000 | 103,000 | 100,000 | 81,000 | 86,000 | 96,000 |

WOOL PRODUCTION AND VALUE, NEVADA, 1978-87

| Year | Sheep Shorn Thousand Head | Weight Per Fleece Pounds | Wool Production Thousand Lb. | Price Per Pound Cents | Value Thou. Dol. |
|---------------|------------------------------|-----------------------------------|------------------------------------|--------------------------------|---------------------|
| 1978. | 102 | 10.4 | 1,061 | 69 | 732 |
| 1979. | 100 | 10.3 | 1,030 | 84 | 865 |
| 1980. | 108 | 10.0 | 1,080 | 88 | 950 |
| 1981. | 112 | 10.0 | 1,120 | 97 | 1,086 |
| 1982. | 104 | 9.8 | 1,019 | 67 | 683 |
| 1983. | 95 | 10.2 | 969 | 64 | 620 |
| 1984. | 84 | 10.0 | 840 | 89 | 748 |
| 1985. | 78 | 10.2 | 796 | 62 | 494 |
| 1986. | 76 | 10.0 | 760 | 68 | 517 |
| 1987. | 83 | 10.0 | 830 | 95 | 789 |



HOG AND PIG INVENTORY, DECEMBER 1, 1986-87 1/

| Class of Livestock | NEVADA | | | UNITED STATES | | |
|----------------------------|-----------------|-------|---------|-----------------------|-----------|---------|
| | 1986 | 1987 | 87 as % | 1986 | 1987 | 87 as % |
| | -Thousand Head- | | Pct. | - - Thousand Head - - | | Pct. |
| All Hogs & Pigs. | 14 | 16 | 114 | 50,920 | 53,795 | 106 |
| Breeding. | 2 | 3 | 150 | 6,671 | 7,021 | 105 |
| Market. | 12 | 13 | 108 | 44,250 | 46,774 | 106 |
| Inventory value (000 Dols) | 1,232 | 1,456 | 118 | 4,679,398 | 4,096,647 | 88 |
| Value Per Head (Dollars) | 88.00 | 91.00 | 103 | 91.90 | 76.20 | 83 |

1/ Sum of classes may not add to total due to rounding.

HOGS AND PIGS: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1978-87

| Year | Hogs & Pigs | Pig Crop | | Inshipments | Marketings | Farm Slaughter | Deaths |
|---------------|----------------|------------|---------|-------------|------------|----------------|--------|
| | Dec 1/ | Dec-May 1/ | Jun-Nov | | | | |
| | Number of Head | | | | | | |
| 1978. | 9,000 | 8,900 | 7,000 | 100 | 13,200 | 1,000 | 800 |
| 1979. | 10,000 | 9,800 | 8,400 | 100 | 15,300 | 1,000 | 1,000 |
| 1980. | 11,000 | 9,100 | 9,000 | 100 | 15,200 | 1,000 | 1,000 |
| 1981. | 12,000 | 9,100 | 9,100 | --- | 15,200 | 1,000 | 1,000 |
| 1982. | 13,000 | 9,100 | 10,000 | --- | 16,800 | 500 | 800 |
| 1983. | 14,000 | 11,000 | 11,000 | --- | 20,700 | 400 | 900 |
| 1984. | 14,000 | 12,000 | 10,000 | --- | 21,800 | 300 | 900 |
| 1985. | 13,000 | 10,000 | 12,000 | --- | 18,800 | 200 | 1,000 |
| 1986. | 15,000 | 10,000 | 11,000 | --- | 20,800 | 200 | 1,000 |
| 1987. | 14,000 | 13,000 | 13,000 | 1,000 | 23,800 | 200 | 1,000 |
| 1988. | 16,000 | | | | | | |

1/ December 1 of preceding year.

HOGS AND PIGS: PRODUCTION AND INCOME, NEVADA, 1978-87

| Year | Production | Marketings | Value | Cash | Value of | Gross |
|---------------|---------------------|------------|----------------------|------------------|-------------|-------|
| | | | of | Receipts | Home | |
| | | | Production | Thousand Dollars | Consumption | |
| | - Thousand Pounds - | | - Thousand Dollars - | | | |
| 1978. | 3,385 | 2,913 | 1,680 | 1,451 | 169 | 1,620 |
| 1979. | 3,888 | 3,346 | 1,613 | 1,391 | 142 | 1,533 |
| 1980. | 3,578 | 3,322 | 1,404 | 1,307 | 134 | 1,441 |
| 1981. | 3,979 | 3,322 | 1,303 | 1,091 | 111 | 1,202 |
| 1982. | 3,813 | 3,596 | 1,669 | 1,577 | 75 | 1,652 |
| 1983. | 4,467 | 4,399 | 1,792 | 1,765 | 74 | 1,839 |
| 1984. | 4,688 | 4,566 | 1,658 | 1,616 | 49 | 1,665 |
| 1985. | 4,151 | 3,929 | 1,414 | 1,339 | 32 | 1,371 |
| 1986. | 4,288 | 4,171 | 1,824 | 1,774 | 40 | 1,814 |
| 1987. | 5,372 | 5,029 | 2,380 | 2,243 | 42 | 2,285 |

LIVESTOCK SLAUGHTER

Total liveweight of animals slaughtered in Nevada's commercial slaughter plants decreased 48 percent during 1987. Declines occurred throughout the year. Cattle accounted for 2.4 million pounds or 77 percent of the total--9 percent less than a year earlier. These estimates include slaughter in Nevada's 6 federally inspected plants, but exclude animals slaughtered on farms and ranches.

COMMERCIAL LIVESTOCK SLAUGHTER BY CLASSES, NEVADA, 1983-87

| Species and Year | Head No. | Liveweight | | Species and Year | Head No. | Liveweight | |
|------------------|----------|------------|-----------|--------------------------|----------|------------|-----------|
| | | Average | Total | | | Average | Total |
| | | Pounds | Thou. Lb. | | | Pounds | Thou. Lb. |
| Cattle | | | | Sheep & Lambs | | | |
| 1983 . . . | 6,200 | 1,172 | 7,231 | 1983. | 3,000 | 116 | 350 |
| 1984 . . . | 7,200 | 1,142 | 8,183 | 1984. | 2,700 | 113 | 311 |
| 1985 . . . | 6,400 | 1,067 | 6,870 | 1985. | 2,500 | 113 | 284 |
| 1986 . . . | 4,700 | 1,112 | 5,201 | 1986. | 2,400 | 122 | 292 |
| 1987 . . . | 2,400 | 976 | 2,363 | 1987. | 2,100 | 118 | 253 |
| Calves | | | | Hogs | | | |
| 1983 . . . | --- | --- | --- | 1983. | 3,300 | 229 | 758 |
| 1984 . . . | 100 | 374 | 34 | 1984. | 3,500 | 213 | 747 |
| 1985 . . . | --- | --- | --- | 1985. | 3,100 | 215 | 660 |
| 1986 . . . | --- | --- | --- | 1986. | 2,700 | 205 | 556 |
| 1987 . . . | 100 | 405 | 35 | 1987. | 2,200 | 228 | 500 |

COMMERCIAL LIVESTOCK SLAUGHTER BY MONTHS, NEVADA, 1987 1/

| Month | Cattle | | Calves | | Sheep & Lambs | | Hogs | | All Species Total Liveweight |
|---------------|--------------|-------------------|------------|-------------------|---------------|-------------------|--------------|-------------------|------------------------------|
| | Head | Total Live-Weight | Head | Total Live-Weight | Head | Total Live-Weight | Head | Total Live-Weight | |
| | No. | Thou. Lb. | No. | Thou. Lb. | No. | Thou. Lb. | No. | Thou. Lb. | |
| January. | 300 | 208 | --- | --- | 100 | 8 | 200 | 38 | 254 |
| February | 200 | 185 | --- | --- | 100 | 9 | 100 | 35 | 229 |
| March. . | 200 | 237 | --- | --- | 100 | 8 | 200 | 35 | 280 |
| April. . | 300 | 227 | --- | --- | 100 | 9 | 100 | 35 | 271 |
| May. . . | 200 | 190 | --- | --- | 200 | 28 | 300 | 69 | 287 |
| June . . | 200 | 193 | --- | --- | 200 | 25 | 100 | 24 | 242 |
| July . . | 200 | 187 | --- | --- | 400 | 42 | 300 | 58 | 287 |
| August . | 200 | 165 | --- | --- | 300 | 39 | 200 | 45 | 249 |
| September | 200 | 221 | --- | --- | 300 | 29 | 200 | 49 | 299 |
| October. | 200 | 187 | --- | --- | 200 | 21 | 100 | 31 | 239 |
| November | 200 | 152 | --- | --- | 200 | 23 | 100 | 26 | 201 |
| December | 200 | 210 | --- | --- | 100 | 11 | 300 | 56 | 277 |
| Total. | 2,400 | 2,363 | 100 | 35 | 2,100 | 253 | 2,200 | 500 | 3,116 |

1/ Total may not add due to rounding. Months with no data are not printed to avoid disclosing individual operations, but the data is included in annual totals.

**MILK: PRODUCTION, FARM VALUE, UTILIZATION, AND MARKETING RECEIPTS
NEVADA, 1978-87**

| Year | M I L K | | | | | | | |
|---------------|------------|------------------------|-------------|-------------|--------------------|----------------|----------|----------|
| | Production | Value of Production | Utilization | | Marketing Receipts | | | |
| | | | Mil. Lbs. | Thou. Dols. | Farm | Sold 1/ | Per Lb. | Cash |
| | | | | | Uses | Million Pounds | Milk Fat | Receipts |
| | | | | Dollars | Thou. Dols. | | | |
| 1978. | 187 | 19,560 | 5 | 182 | 2.98 | 19,033 | | |
| 1979. | 199 | 22,885 | 5 | 194 | 3.34 | 22,310 | | |
| 1980. | 219 | 27,813 | 5 | 214 | 3.62 | 27,178 | | |
| 1981. | 223 | 29,882 | 5 | 218 | 3.79 | 29,212 | | |
| 1982. | 225 | 29,925 | 5 | 220 | 3.73 | 29,260 | | |
| 1983. | 237 | 31,758 | 5 | 232 | 3.81 | 31,088 | | |
| 1984. | 251 | 33,885 | 5 | 246 | 3.78 | 33,210 | | |
| 1985. | 266 | 34,048 | 5 | 261 | 3.52 | 33,408 | | |
| 1986. | 274 | 33,428 | 5 | 269 | 3.36 | 32,818 | | |
| 1987. | 278 | 34,750 | 5 | 273 | 3.47 | 34,125 | | |

1/ Milk equivalent of cream sold.

**MILK: COWS MILKED, PRODUCTION PER COW, TOTAL PRODUCTION
NEVADA, BY QUARTER, 1985-87**

| Quarter | Cows Milked 1/ | | | Milk Per Cow 2/ | | | Milk Production 2/ | | |
|---------------|----------------|------|------|-----------------|--------|--------|--------------------|-------|-------|
| | 1985 | 1986 | 1987 | 1985 | 1986 | 1987 | 1985 | 1986 | 1987 |
| | Thousands | | | Pounds | | | Million Pounds | | |
| Jan-Mar . . . | 18.5 | 19.0 | 19.0 | 3,345 | 3,500 | 3,500 | 61.9 | 66.5 | 66.5 |
| Apr-Jun . . . | 18.7 | 19.0 | 19.0 | 3,625 | 3,640 | 3,690 | 67.8 | 69.2 | 70.1 |
| Jul-Sep . . . | 18.9 | 19.0 | 19.0 | 3,700 | 3,755 | 3,805 | 69.9 | 71.3 | 72.3 |
| Oct-Dec . . . | 19.0 | 19.0 | 19.0 | 3,495 | 3,525 | 3,635 | 66.4 | 67.0 | 69.1 |
| Annual . . . | 18.8 | 19.0 | 19.0 | 14,149 | 14,421 | 14,632 | 266.0 | 274.0 | 278.0 |

1/ Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.



**ALL MILK PRICE AND AVERAGE FAT TEST OF MILK SOLD BY FARMERS, BY MONTHS,
NEVADA, 1985-1987**

| Month | All Milk Price Per Cwt. | | | Fat Test of Milk Sold | | |
|-----------------|----------------------------|-------|-------|--------------------------|------|------|
| | 1985 | 1986 | 1987 | 1985 | 1986 | 1987 |
| | Dollars | | | Percent | | |
| January . . . | 14.00 | 12.50 | 12.80 | 3.81 | 3.76 | 3.83 |
| February . . . | 13.75 | 12.35 | 12.55 | 3.74 | 3.72 | 3.72 |
| March | 13.45 | 12.05 | 12.35 | 3.68 | 3.68 | 3.66 |
| April | 13.00 | 11.90 | 12.00 | 3.62 | 3.59 | 3.57 |
| May | 12.65 | 11.80 | 12.00 | 3.52 | 3.49 | 3.49 |
| June | 12.35 | 11.75 | 12.20 | 3.46 | 3.44 | 3.47 |
| July | 12.30 | 11.80 | 12.20 | 3.43 | 3.45 | 3.47 |
| August | 12.15 | 11.90 | 12.35 | 3.50 | 3.47 | 3.48 |
| September . . | 12.70 | 12.30 | 12.80 | 3.63 | 3.60 | 3.51 |
| October | 12.40 | 12.80 | 12.75 | 3.71 | 3.74 | 3.62 |
| November . . . | 12.60 | 12.80 | 13.00 | 3.78 | 3.82 | 3.75 |
| December . . . | 12.65 | 12.90 | 12.60 | 3.81 | 3.82 | 3.75 |
| Annual | 12.80 | 12.20 | 12.50 | 3.64 | 3.63 | 3.60 |

**QUANTITIES OF DAIRY PRODUCTS MANUFACTURED,
BY MONTHS, NEVADA, 1985-1987**

| Month | Dairy Products Manufactured 1/ | | | | | |
|-----------------|--------------------------------|-------|-------|-------------|-------|-------|
| | Ice Cream 2/ | | | Ice Milk 2/ | | |
| | 1985 | 1986 | 1987 | 1985 | 1986 | 1987 |
| | Thousand Gallons | | | | | |
| January . . . | 113 | 111 | 93 | 104 | 108 | 106 |
| February . . . | 109 | 98 | 101 | 100 | 97 | 111 |
| March | 125 | 121 | 119 | 127 | 121 | 136 |
| April | 134 | 109 | 123 | 133 | 126 | 155 |
| May | 133 | 119 | 114 | 157 | 132 | 145 |
| June | 141 | 131 | 128 | 153 | 149 | 181 |
| July | 152 | 138 | 144 | 173 | 157 | 213 |
| August | 138 | 140 | 135 | 164 | 166 | 205 |
| September . . | 112 | 112 | 114 | 131 | 130 | 163 |
| October | 119 | 103 | 107 | 127 | 136 | 158 |
| November . . . | 101 | 90 | 85 | 131 | 139 | 121 |
| December . . . | 95 | 93 | 86 | 150 | 167 | 113 |
| Annual | 1,472 | 1,365 | 1,349 | 1,650 | 1,628 | 1,807 |

1/ Sherbet production on annual basis: 1985-85,000 gallons; 1986-73,000 gallons; 1987-68,000 gallons. Other items manufactured are not shown when less than 3 plants have reported since individual operations might be disclosed.

2/ Includes production in regular dairy plants and soft frozen products sold directly from a freezer.

MILK COWS AND PRODUCTION, BY COUNTIES, NEVADA, 1986-87

| County | 1986 | | | 1987 | | |
|----------------|-----------|--------------|-----------------|-----------|--------------|-----------------|
| | Milk Cows | Milk Per Cow | Milk Production | Milk Cows | Milk Per Cow | Milk Production |
| | No. | Lb. | Million Lb. | No. | Lb. | Million Lb. |
| Churchill . . | 6,200 | 14,200 | 88.0 | 6,000 | 14,200 | 85.2 |
| Clark | 6,700 | 14,500 | 97.2 | 7,000 | 15,000 | 105.0 |
| Douglas . . . | 2,500 | 15,000 | 37.5 | 2,400 | 15,400 | 37.0 |
| Lyon | 1,900 | 14,900 | 28.3 | 1,800 | 14,500 | 26.1 |
| Washoe | 600 | 13,800 | 8.3 | 700 | 13,700 | 9.6 |
| All Others . . | 1,100 | 13,400 | 14.7 | 1,100 | 13,700 | 15.1 |
| State Total | 19,000 | 14,421 | 274.0 | 19,000 | 14,632 | 278.0 |

CHICKEN AND EGGS

Total chickens on Nevada farms and ranches were estimated at 18,000 on December 1, 1987. This was up 6 percent from a year earlier. Of the total chickens, 13,000 were of laying age on December 1, 1987.

Total value of chickens in Nevada on December 1, 1987 came to \$56,000 which was up 14 percent from a year earlier. Value per bird, at \$3.10, was up 20 cents from the previous year.

CHICKENS ON FARMS, DECEMBER 1, 1985-87 1/

| Type | Nevada | | | | United States | | | |
|-------------------|----------------------|------|------|---------|----------------------|---------|---------|---------|
| | 1985 | 1986 | 1987 | 87 as % | 1985 | 1986 | 1987 | 87 as % |
| | - - - Thousand - - - | | | Percent | - - - Thousand - - - | | | Percent |
| Total Chickens | 17 | 17 | 18 | 106 | 368,548 | 369,131 | 377,516 | 102 |
| Laying Age . . . | 12 | 12 | 13 | 108 | 279,769 | 279,940 | 285,529 | 102 |
| Hens | 10 | 10 | 10 | 100 | 130,623 | 125,040 | 124,624 | 100 |
| Pullets | 2 | 2 | 3 | 150 | 149,146 | 154,900 | 160,905 | 104 |
| All Others . . . | 5 | 5 | 5 | 100 | 88,779 | 89,191 | 91,987 | 103 |

1/ Excludes Commercial Broilers.

VALUE OF CHICKENS ON FARMS, DECEMBER 1, 1985-87 1/

| Value | Nevada | | | United States | | |
|--------------------|--------|------|------|---------------|---------|---------|
| | 1985 | 1986 | 1987 | 1985 | 1986 | 1987 |
| Per Bird | 2.60 | 2.90 | 3.10 | 1.90 | 1.87 | 1.87 |
| Total Thou. Dol: | 44 | 49 | 56 | 700,150 | 690,165 | 706,079 |

1/ Excludes Commercial Broilers.

EGG PRODUCTION: NUMBER OF LAYERS, EGGS PER LAYER AND TOTAL PRODUCTION, BY QUARTERS, NEVADA, 1985-87

| Quarter | Layers | | | Eggs Per 100 Layers 1/ | | | Total Production | | |
|----------------|-------------------|------|------|------------------------|-------|-------|-------------------|-------|-------|
| | 1985 | 1986 | 1987 | 1985 | 1986 | 1987 | 1985 | 1986 | 1987 |
| | - - Thousands - - | | | - - Number - - | | | - - Thousands - - | | |
| Dec. 2/ - Feb | 12.0 | 12.0 | 12.0 | 3,825 | 4,500 | 3,825 | 459 | 540 | 459 |
| March - May | 12.0 | 12.0 | 12.0 | 4,600 | 5,290 | 4,965 | 552 | 635 | 596 |
| June - Aug | 12.0 | 12.0 | 12.0 | 5,290 | 5,060 | 5,290 | 635 | 607 | 635 |
| Sept - Nov | 12.0 | 12.0 | 13.0 | 4,550 | 4,185 | 4,095 | 546 | 502 | 532 |
| Total 3/ . . . | 12.0 | 12.0 | 12.0 | 183 | 190 | 185 | 2,192 | 2,284 | 2,222 |

1/ Number of eggs produced divided by average number of layers on hand. 2/ December preceding year. 3/ Layers are the average during the year. Rate of lay is the annual per layer.

EGGS: PRODUCTION, DISPOSITION AND INCOME, NEVADA, 1985-87

| Year | Eggs | Price | Gross |
|----------------|--------------|-------|------------------|
| | Produced | Per | Income |
| | Million Eggs | Dozen | Thousand Dollars |
| 1985 | 2.2 | 42.5 | 78 |
| 1986 | 2.2 | 49.1 | 90 |
| 1987 | 2.2 | 40.2 | 74 |

PRICES RECEIVED FOR SPECIFIED PRODUCTS: BY MONTHS, NEVADA, 1984-87

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Beef Cattle | | | | | | | | | | | | |
| <i>(Dollars Per Cwt)</i> | | | | | | | | | | | | |
| 1984 | 44.40 | 46.60 | 45.70 | 44.80 | 40.80 | 44.70 | 44.70 | 45.10 | 39.60 | 34.20 | 34.20 | 43.00 |
| 1985 | 45.20 | 49.60 | 47.50 | 46.70 | 47.30 | 44.50 | 41.00 | 40.80 | 41.50 | 42.00 | 42.40 | 42.80 |
| 1986 | 44.00 | 46.00 | 44.30 | 41.30 | 40.40 | 39.70 | 41.90 | 43.10 | 47.00 | 48.60 | 46.00 | 48.80 |
| 1987 | 48.40 | 52.80 | 53.40 | 53.80 | 53.20 | 55.30 | 55.60 | 57.20 | 60.10 | 54.60 | 56.10 | 58.40 |
| Steers and Heifers | | | | | | | | | | | | |
| 1984 | 58.10 | 56.10 | 55.90 | 53.10 | 51.30 | 56.10 | 52.60 | 52.30 | 55.00 | 52.70 | 52.80 | 55.10 |
| 1985 | 52.30 | 56.60 | 53.70 | 53.60 | 54.90 | 51.00 | 46.20 | 45.80 | 47.10 | 49.40 | 50.50 | 50.40 |
| 1986 | 51.60 | 51.20 | 50.30 | 48.00 | 45.40 | 42.00 | 47.80 | 47.80 | 54.00 | 55.30 | 52.70 | 55.60 |
| 1987 | 54.20 | 60.20 | 60.60 | 60.20 | 60.20 | 62.80 | 63.30 | 66.10 | 68.30 | 61.90 | 63.80 | 66.50 |
| Cows | | | | | | | | | | | | |
| 1984 | 33.60 | 37.30 | 38.90 | 39.80 | 37.50 | 38.40 | 42.10 | 38.40 | 36.40 | 34.20 | 26.90 | 35.00 |
| 1985 | 34.60 | 39.10 | 38.10 | 36.40 | 36.00 | 34.80 | 33.10 | 33.20 | 33.00 | 30.90 | 30.20 | 31.40 |
| 1986 | 29.80 | 36.40 | 33.10 | 28.80 | 31.10 | 35.30 | 31.00 | 34.40 | 34.10 | 36.20 | 33.40 | 36.10 |
| 1987 | 37.60 | 39.10 | 40.10 | 41.80 | 40.30 | 41.30 | 41.40 | 40.60 | 44.90 | 40.90 | 41.90 | 43.30 |
| Calves | | | | | | | | | | | | |
| 1984 | 61.60 | 58.60 | 60.50 | 62.50 | 59.70 | 56.40 | 57.40 | 54.80 | 58.20 | 61.40 | 58.50 | 58.80 |
| 1985 | 56.80 | 58.70 | 61.00 | 68.30 | 64.60 | 61.40 | 54.20 | 56.30 | 60.90 | 56.40 | 57.60 | 56.20 |
| 1986 | 49.40 | 60.60 | 57.90 | 59.70 | 50.90 | 51.10 | 50.20 | 51.00 | 62.30 | 63.50 | 58.20 | 66.50 |
| 1987 | 67.30 | 72.90 | 72.80 | 75.50 | 71.50 | 75.10 | 74.90 | 74.60 | 75.80 | 75.60 | 78.90 | 79.40 |
| Sheep | | | | | | | | | | | | |
| 1984 | 18.30 | 17.10 | 20.30 | 20.00 | 11.40 | 9.00 | 15.30 | 12.10 | 11.20 | 15.90 | 14.50 | 22.90 |
| 1985 | 17.50 | 18.30 | 15.00 | 14.60 | 14.50 | 14.50 | 16.80 | 16.80 | 15.90 | 14.10 | 19.30 | 18.30 |
| 1986 | 22.50 | 16.80 | 18.10 | 19.10 | 16.40 | 21.30 | 20.80 | 22.70 | 27.10 | 26.00 | 26.10 | 22.30 |
| 1987 | 21.70 | 27.50 | 27.60 | 22.10 | 25.00 | 29.90 | 21.50 | 27.70 | 23.90 | 23.90 | 30.20 | 26.20 |
| Lambs | | | | | | | | | | | | |
| 1984 | 47.00 | 45.60 | 39.40 | 40.70 | 1/ | 52.90 | 48.30 | 54.70 | 50.00 | 56.80 | 55.90 | 53.30 |
| 1985 | 50.70 | 48.00 | 47.70 | 59.00 | 57.90 | 63.90 | 58.50 | 62.20 | 57.40 | 57.50 | 55.60 | 57.40 |
| 1986 | 55.30 | 47.10 | 53.20 | 48.70 | 67.10 | 66.40 | 64.40 | 59.00 | 57.00 | 53.10 | 64.20 | 68.60 |
| 1987 | 63.00 | 66.30 | 71.00 | 66.40 | 77.10 | 81.30 | 78.30 | 73.80 | 65.50 | 65.10 | 60.60 | 57.80 |
| Alfalfa Hay | | | | | | | | | | | | |
| <i>(Dollars Per Ton)</i> | | | | | | | | | | | | |
| 1984 | 95.00 | 98.00 | 95.00 | 90.00 | 80.00 | 80.00 | 84.00 | 75.00 | 70.00 | 70.00 | 75.00 | 80.00 |
| 1985 | 85.00 | 87.00 | 90.00 | 90.00 | 95.00 | 85.00 | 80.00 | 82.00 | 82.00 | 84.00 | 86.00 | 86.00 |
| 1986 | 90.00 | 90.00 | 90.00 | 90.00 | 80.00 | 80.00 | 82.00 | 82.00 | 78.00 | 78.00 | 80.00 | 81.00 |
| 1987 | 83.00 | 81.00 | 78.00 | 74.00 | 74.00 | 82.00 | 82.00 | 82.00 | 82.00 | 85.00 | 87.00 | 85.00 |
| Other Hay | | | | | | | | | | | | |
| 1984 | 75.00 | 78.00 | 75.00 | 70.00 | 60.00 | 62.00 | 64.00 | 55.00 | 55.00 | 55.00 | 65.00 | 60.00 |
| 1985 | 65.00 | 67.00 | 70.00 | 70.00 | 75.00 | 65.00 | 60.00 | 62.00 | 62.00 | 64.00 | 66.00 | 66.00 |
| 1986 | 70.00 | 70.00 | 70.00 | 70.00 | 60.00 | 60.00 | 62.00 | 62.00 | 58.00 | 58.00 | 58.00 | 60.00 |
| 1987 | 65.00 | 60.00 | 55.00 | 53.00 | 53.00 | 60.00 | 60.00 | 60.00 | 60.00 | 63.00 | 65.00 | 63.00 |
| All Hay | | | | | | | | | | | | |
| 1984 | 89.00 | 92.00 | 89.00 | 84.00 | 74.00 | 74.00 | 78.00 | 69.00 | 65.00 | 65.00 | 72.00 | 74.00 |
| 1985 | 79.00 | 81.00 | 84.00 | 84.00 | 89.00 | 79.00 | 74.00 | 76.00 | 76.00 | 78.00 | 80.00 | 80.00 |
| 1986 | 84.00 | 84.00 | 84.00 | 84.00 | 74.00 | 74.00 | 76.00 | 76.00 | 72.00 | 72.00 | 73.00 | 75.00 |
| 1987 | 78.00 | 75.00 | 71.00 | 68.00 | 68.00 | 75.00 | 75.00 | 75.00 | 75.00 | 78.00 | 80.00 | 78.00 |

1/ Insufficient sales to establish price.

GRAZING FEES

Nevada is second only to Alaska in the amount of land owned by the federal government. About 85 percent of Nevada's total area of 70.3 million acres is federal land administered by the U.S. Department of Interior's Bureau of Land Management and the U.S. Department of Agriculture's Forest Service. Because of this, grazing on public lands is vital to the State's livestock industry.

For the years 1979-1985, fees for grazing on federal public lands were determined by a formula established in the Public Rangelands Improvement Act of 1978 (PRIA). This act expired December 31, 1985. On February 14, 1986, in the absence of Congressional action, the President, through Executive Order 12548, indefinitely extended the PRIA formula subject to a few minor changes.

These minor changes included: (1) the Forage Value Index would use "the weighted average estimate of the annual rental charge per head per month" rather than "animal unit month"; (2) the "Beef Cattle Price Index" means the weighted average annual selling price for beef cattle in the 11 Western States, and (3) the Prices Paid Index would reflect selected livestock production costs in the Western States. In addition, the Executive Order specified that the fee "shall not be less than \$1.35 per Animal Unit Month" and that annual adjustments would not exceed plus or minus 25 percent of the previous year's grazing fee.

Effective March 1, 1988, the Secretary of Agriculture issued a final ruling that established regulations for annually determining federal grazing fees. The fee system now in effect is the formula prescribed in the Executive Order of February 1986, and, in most respects, is the same grazing fee formula enacted by Congress in 1978. Grazing fees will be based on a rate per head month. Grazing fee formula components are compiled by the USDA's Agricultural Statistics Board and furnished to USDI Bureau of Land Management and the USDA's Forest Service for calculating the grazing fee each year.

PUBLIC LAND GRAZING FEE FORMULATION

| Grazing Fee Components | Unit | Base | Grazing Fee Year | | | | |
|---------------------------------------|---------|--------|------------------|-------|---------|---------|-------|
| | | Year | 1984 | 1985 | 1986 | 1987 | 1988 |
| Grazing Rates on | | | | | | | |
| Private Land 1/ | Dollars | 3.65 | 8.85 | 8.86 | 8.40 | 8.10 | 8.54 |
| Forage Value Index (FVI) 2/ | | 100 | 242 | 243 | 230 | 222 | 234 |
| Average Price Received for | | | | | | | |
| Beef Cattle per Cwt. 3/ | Dollars | 22.04 | 56.40 | 57.80 | 53.70 | 51.80 | 59.96 |
| Beef Cattle Price Index | | | | | | | |
| (BCPI) 4/ | | 100 | 256 | 262 | 244 | 235 | 272 |
| Prices Paid Index (PPI) 5/ | | 100 | 387 | 395 | 397 | 388 | 381 |
| Federal Grazing Fee 6/ | Dollars | (1.23) | 1.37 | 1.35 | 1.35 7/ | 1.35 7/ | 1.54 |

1/ Privately-owned, non-irrigated land in eleven western states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming. Rates for 1984 through 1987 are per AUM. Rate for 1988 is per head month.

2/ Private grazing rates current year divided by base year times 100.

3/ Average for twelve months November-October prior to the fee year for eleven western states; see footnote 1.

4/ Beef cattle price current year divided by base year times 100.

5/ Index of prices paid for beef cattle production inputs as percent of base year.

6/ The grazing fee = base year fee (FVI + BCPI - PPI) ÷ 100. 1988, for example = \$1.23 (234 + 272 - 381) ÷ 100 = \$1.54.

7/ Minimum fee established by Executive Order.

NEVADA STATE DEPARTMENT OF AGRICULTURE
1987 AERIAL AND GROUND PEST CONTROL SUMMARY

This summary was compiled from information contained in mandatory monthly reports submitted to this Department by the 1987 custom aerial pest control licensees. Its accuracy is based on these monthly reports and the data therein does not constitute approval or recommendations by this Department or the National Agricultural Statistics Service.

Pesticide Use (Aerial Application) 1987

ALFALFA HAY
(94,231.3 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> | | |
|---------------------|------------------------|------------------|----------------------|----------|---------|
| Aphid | Carbofuran (Furadan) | .40 PT | 100.0 | | |
| | | .75 PT | 129.0 | | |
| | | 1.00 PT | 40.0 | | |
| | Dibrom (Naled) | 1.00 PT | 73.0 | | |
| | | Dimethoate | .50 PT | 356.0 | |
| | | | .66 PT | 630.0 | |
| | .75 PT | | 760.0 | | |
| | | | 1.00 PT | 16,494.0 | |
| | | | 1.20 PT | 897.0 | |
| | | | 1.25 PT | 1,318.0 | |
| | | | 1.33 PT | 90.0 | |
| | | | 1.50 PT | 15,691.0 | |
| | | | Malathion | 1.50 PT | 137.0 |
| | | | Methyl Parathion | .75 PT | 1,002.0 |
| | | | Mevinphos (Phosdrin) | 1.00 PT | 568.0 |
| Parathion | | | .50 PT | 2,292.0 | |
| | | | .38 PT | 902.0 | |
| Systox | .17 PT | 420.0 | | | |
| | .66 PT | 50.0 | | | |
| | 1.00 PT | 33.0 | | | |
| Aphids/Grasshopper | Carbofuran (Furadan) | .50 PT | 150.0 | | |
| | | Methyl Parathion | .50 PT | 247.4 | |
| | | Parathion | .50 PT | 754.0 | |
| Aphids/Weevil | Carbofuran (Furadan) | .50 PT | 1,508.0 | | |
| | | Methyl Parathion | .75 PT | 40.0 | |
| | | Parathion | .38 PT | 50.0 | |
| Aphids/Weevil/Ghopr | Mevinphos (Phosdrin) | 1.00 PT | 4,341.5 | | |
| | | .75 PT | 101.7 | | |
| | | 1.00 PT | 43.0 | | |
| Army Worm | Methyl Parathion | .75 PT | 80.0 | | |
| Broadleaf Weeds | Bromoxynil (Buctril) | 1.00 PT | 134.0 | | |
| | | 2,4-D Ester | 3.00 PT | 165.0 | |
| | | 2,4-DB Amine | 2.00 QT | 22.0 | |
| | | 2,4-DB Ester | 3.00 PT | 772.0 | |
| Cutworms | Chlorpyrifos (Lorsban) | 2.00 PT | 300.0 | | |

ALFALFA HAY, cont.

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------------|------------------|--------------|
| Foxtail | Poast | 1.50 PT | 52.0 |
| Grass | Hexazinone (Velpar) | 1.00 PT | 120.0 |
| | Metribuzin (Sencor) | 1.00 PT | 100.0 |
| Grasshoppers | Carbofuran (Furadan) | .50 PT | 135.0 |
| | Dimethoate | 1.00 PT | 340.0 |
| | Malathion | 1.50 PT | 910.0 |
| | Methyl Parathion | .50 PT | 40.0 |
| | | .75 PT | 30.0 |
| | Parathion | .33 PT | 560.0 |
| | | .39 PT | 1,476.0 |
| | | .50 PT | 430.0 |
| Lygus/Weevil | Carbofuran (Furadan) | 1.00 PT | 444.0 |
| Thrips | Malathion | 1.50 PT | 50.0 |
| | Methyl Parathion | .75 PT | 250.0 |
| Weeds | Hexazinone (Velpar L) | 1.50 PT | 1,710.0 |
| | | 2.00 PT | 1,383.0 |
| | | 3.00 PT | 358.0 |
| | Metribuzin (Lexone) | 1.00 PT | 1,040.0 |
| | Paraquat | 3.00 PT | 53.0 |
| | Paraquat (Gramoxone) | 3.00 PT | 37.0 |
| | 2,4-D | 1.00 PT | 400.0 |
| | 2,4-DB Ester | 2.00 PT | 88.0 |
| | | 3.00 PT | 90.0 |
| Weevil | Carbofuran | .50 LB | 5,159.0 |
| | | .50 PT | 13,277.0 |
| | | .66 PT | 1,523.0 |
| | | .75 PT | 2,076.0 |
| | | 1.00 PT | 1,722.0 |
| | | 2.00 PT | 113.7 |
| | Dibrom (Naled) | 1.00 PT | 70.0 |
| | Dimethoate | 1.00 PT | 909.0 |
| | | 1.25 PT | 1,445.0 |
| | | 1.33 PT | 143.0 |
| | Methyl Parathion | .50 PT | 67.0 |
| | | .75 PT | 789.0 |
| | Mevinphos | 1.00 PT | 264.0 |
| | Parathion | .50 PT | 3,637.0 |
| | Phosmet (Imidan) | 1.50 LB | 1,338.0 |
| Weevil/Aphids | Methyl Parathion | .75 PT | 525.0 |
| Ylo Foxtail | Trifluralin (Treflan) | 20.00 LB | 387.0 |

ALFALFA SEED

(37,313.0 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|----------------------|------------------|--------------|
| Aphids | Dibrom (Naled) | 1.00 PT | 280.0 |
| | Dimethoate | 1.50 PT | 223.0 |
| | Endocide | 1.50 PT | 50.0 |
| | | 3.00 PT | 25.0 |
| | Endosulfan (Thiodan) | 3.00 PT | 75.0 |
| | Fluvalinate (Spur) | 9.00 OZ | 683.0 |
| | | 9.60 OZ | 407.0 |
| | | 1.00 PT | 71.0 |

ALFALFA SEED, cont.

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> | |
|--------------------|------------------------|-----------------------|----------------------|---------|
| Aphids | Metasystox-R | .67 PT | 109.0 | |
| | | 1.50 PT | 3,854.0 | |
| | | 1.75 PT | 853.0 | |
| | | 1.80 PT | 503.0 | |
| | | 2.00 PT | 1,725.7 | |
| | Methyl Parathion | .75 PT | 280.0 | |
| | | Pirimor | 6.00 OZ | 175.0 |
| | | Supracide | 2.00 PT | 628.0 |
| | | Syston | .33 PT | 100.0 |
| | | Systox | .17 PT | 657.0 |
| | | | .33 PT | 763.0 |
| | | | 1.00 PT | 210.0 |
| | | Aphids/Lygus | Endosulfan (Thiodan) | 2.00 PT |
| Parathion | .50 PT | | 55.0 | |
| Aphid/Mites | Disyston | 6.70 LB | 227.0 | |
| Broadleaf Weeds | 2,4-D Ester | 3.00 PT | 80.0 | |
| | 2,4-DB Ester | 3.00 PT | 245.0 | |
| Defoliation | Contact | 3.00 PT | 18.0 | |
| | | Dinitro | 3.00 PT | 1,183.8 |
| | | Diquat | .50 PT | 90.0 |
| | Endothall (Des-I-Cate) | 1.00 PT | 85.0 | |
| | | 2.00 PT | 2,574.0 | |
| | | 1.25 GAL | 72.0 | |
| | | 1.50 GAL | 592.0 | |
| | | 1.75 GAL | 113.0 | |
| | | 2.00 GAL | 413.0 | |
| | Paraquat (Gramoxone) | 1.30 PT | 150.0 | |
| | | 1.50 PT | 375.0 | |
| | | 4.00 PT | 1,041.0 | |
| | Dodder | Chlorpropham (Furloe) | 20.00 LB | 463.0 |
| | | | 25.00 LB | 604.0 |
| | Grass | Trifluralin (Treflan) | 20.00 LB | 427.4 |
| Lygus Bugs | Dibrom (Naled) | 1.00 PT | 379.0 | |
| | | Dylox | 18.60 OZ | 300.0 |
| | Fluvalinate (Spur) | 20.00 OZ | 155.9 | |
| | | 8.00 OZ | 500.0 | |
| | | 9.00 OZ | 55.0 | |
| | | 9.30 OZ | 740.0 | |
| | | 9.60 OZ | 1,655.9 | |
| | | 2.00 PT | 279.6 | |
| | Metasystox-R | Mevinphos (Phosdrin) | .50 PT | 75.0 |
| | | | 1.00 PT | 2,438.0 |
| Lygus/Aphids | Naled | .50 PT | 93.0 | |
| | | Supracide | 3.00 PT | 90.0 |
| | Fluvalinate (Spur) | 9.00 OZ | 75.0 | |
| | | 9.60 OZ | 274.0 | |
| | | .75 PT | 150.0 | |
| Lygus/Mites | Dibrom (Naled) | .24 PT | 125.0 | |
| Lygus/Weevil/Aphid | Carbofuran (Furadan) | 1.00 QT | 133.0 | |
| | Methyl Parathion | .50 PT | 133.0 | |
| Mites | Comite | 2.00 PT | 1,447.7 | |
| | | 3.00 PT | 75.0 | |

ALFALFA SEED, cont.

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> | |
|--------------------|------------------------|----------------------|--------------|---------|
| Mites | Sulfur (Thiolux) | 1.00 LB | 495.0 | |
| | | 2.00 LB | 75.0 | |
| | | 3.00 LB | 1,062.2 | |
| | | 4.00 LB | 305.0 | |
| Mites/Mildew | Comite | 2.00 PT | 216.0 | |
| | | Fermone Stirrup | 4.00 OZ | 316.0 |
| | | Sulfur (Thiolux) | 3.00 LB | 463.0 |
| Spider Mites | Comite | 1.00 QT | 191.0 | |
| | | 1.75 QT | 40.0 | |
| Weeds | Hexazinone (Velpar L) | 1.00 QT | 189.0 | |
| | | 2.00 QT | 114.0 | |
| Weevil | Chlorpyrifos (Lorsban) | 2.00 PT | 104.9 | |
| | | Dimethoate | 1.50 PT | 305.0 |
| | | Metasystox-R | 2.00 PT | 64.0 |
| | | Methyl Parathion | .75 PT | 93.0 |
| | | Parathion | .50 PT | 300.0 |
| | | Supracide | 3.00 PT | 2,135.0 |
| Weevil/Aphids | Systox | 2.00 QT | 550.0 | |
| | | .33 PT | 70.0 | |
| Weevil/Lygus | Carbofuran (Furadan) | 1.00 QT | 491.0 | |
| | | Mevinphos (Phosdrin) | 1.00 PT | 40.0 |

ALFALFA/BARLEY

(104.1 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Aphids | Parathion | .50 PT | 104.1 |

ALFALFA/OATS

(92.5 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Broadleaf Weeds | 2,4-DB | 6.00 PT | 92.5 |

BARLEY

(8,113 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> | |
|--------------------|-----------------|---------------------|--------------|-------|
| Aphids | Dimethoate | .50 PT | 50.0 | |
| | | 1.00 PT | 193.0 | |
| | | Methyl Parathion | .50 PT | 25.0 |
| | | Parathion | .50 PT | 480.0 |
| | | Systox | .33 PT | 133.0 |
| | | .50 PT | 50.0 | |
| Aphids/Mites | 2,4-D | .50 PT | 50.0 | |
| | | Systox | .33 PT | 241.0 |
| Broadleaf Weeds | Dinoseb | 1.50 PT | 368.0 | |
| | | 2.00 PT | 610.0 | |
| | | Dinoseb (Vertac 40) | .66 PT | 120.0 |
| | | LV-4 Clean Crop | 1.00 PT | 140.0 |

BARLEY, cont.

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-------------------------|------------------|--------------|
| Broadleaf Weeds | 2,4-D | .50 PT | 140.0 |
| | | 1.00 PT | 146.0 |
| | | 1.50 PT | 91.0 |
| | | 2,4-D Amine | .50 PT |
| Grasshoppers | 2,4-DB Ester | 3.00 PT | 274.0 |
| | Parathion | .33 PT | 60.0 |
| | | .50 PT | 130.0 |
| Weeds | Dinoseb (Vertac) | 2.00 PT | 60.0 |
| | Metolachlor (Dual) | 3.00 PT | Unknown |
| | 2,4-D | 2.00 PT | 83.0 |
| | 2,4-D Amine | 2.00 PT | 2,460.0 |
| | 2,4-DB Ester | 3.00 PT | 71.0 |
| Wild Oats | Carbyne | 1.50 PT | 380.0 |
| | Hoelon (Diclofop Methy) | 3.00 PT | 134.0 |

BRUSH

(16,540 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Mosquitos | Dibrom (Naled) | .75 OZ | 11,000.0 |
| | | .80 OZ | 5,540.0 |

CORN

(606.7 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Broadleaf Weeds | 2,4-D | .50 PT | 465.7 |
| Mites | Parathion | 1.00 PT | 11.0 |
| Weeds | 2,4-D Ester | 1.00 PT | 35.0 |
| | | 1.33 PT | 60.0 |
| | | 1.50 PT | 35.0 |

FALLOW

(1,143 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|---------------------|------------------|--------------|
| Grasshoppers | Malathion (Cythion) | 1.50 PT | 20.0 |
| | Parathion | .50 PT | 113.0 |
| Morning Glory | Banvel | 6.00 OZ | 120.0 |
| Weeds | 2,4-D Ester | 2.00 PT | 740.0 |
| | Roundup | 1.00 PT | 80.0 |
| White Top | 2,4-D Ester | 3.00 QT | 70.0 |

GARLIC

(783 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|--------------------|------------------|--------------|
| Thrips | Malathion | 1.50 PT | 60.0 |
| | Methyl Parathion | 2.00 PT | 7.0 |
| Winter Weeds | Oxyfluorfen (Goal) | 2.50 PT | 131.0 |
| | Paraquat | 3.00 PT | 585.0 |

GRAIN
(951 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|------------------|------------------|--------------|
| Aphids | Methyl Parathion | 12.00 OZ | 440.0 |
| | Parathion | 6.00 OZ | 60.0 |
| Broadleaf Weeds | 2,4-D Amine | .50 PT | 427.0 |
| | | 1.10 PT | 9.0 |
| Weeds | 2,4-D | .50 PT | 15.0 |

GRASS, TULE
(820 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Mosquitos | B.T.I. | 5.00 LB | 820.0 |

LETTUCE SEED
(85 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|----------------------|------------------|--------------|
| Aphids | Endosulfan (Thiodan) | 1.00 PT | 60.0 |
| | Methyl Parathion | .50 PT | 25.0 |

MARSH
(32,292 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|--------------------|------------------|--------------|
| Mosquitos | B.T.I. | 1.00 PT | 1,392.0 |
| | Dibrom (Naled) | .85 OZ | 750.0 |
| | | .94 OZ | 682.0 |
| | | 1.00 OZ | 17,599.0 |
| | Piperonyl Butoxide | .50 OZ | 1,363.0 |
| | Vectobac (BTI) | 5.74 OZ | 8,506.0 |
| | 7.00 LB | 2,000.0 | |

MINT
(706 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|----------------------|------------------|--------------|
| Grasshoppers | Parathion | .33 PT | 15.0 |
| Mildew | Sulfur | 3.00 PT | 40.0 |
| Mites | Comite | 2.00 PT | 280.0 |
| | | 2.40 PT | 25.0 |
| | Sulfur (Thiolux) | 3.00 LB | 25.0 |
| | | 4.00 LB | 40.0 |
| Weeds | Bromoxynil (Buctril) | 1.00 PT | 35.0 |
| | Terbacil (Sinbar) | 1.00 LB | 51.0 |
| | | 1.15 LB | 80.0 |
| | | 1.25 PT | 115.0 |

NON-CROPLAND
(33,259 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|--------------------|------------------|--------------|
| Mosquitos | Fenthion (Baytex) | 1.30 OZ | 6,700.0 |
| | | 3.20 OZ | 160.0 |
| | Malathion | 5.00 OZ | 22,450.0 |
| | | 6.00 OZ | 2,400.0 |
| Weeds | Diuron (Karmex) | 20.00 LB | 1.0 |
| | Metolachlor (Dual) | 3.00 PT | 1,548.0 |

OATS
(273.5 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Aphids | Systox | 1.00 PT | 22.0 |
| Broadleafs | 2,4-D | .50 PT | 11.5 |
| | | 2,4-D Amine | .50 PT |
| Weeds | 2,4-D Ester | 1.25 PT | 50.0 |

ONIONS
(1,398 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|--------------------|------------------|--------------|
| Botrytis | Iprodione (Rovral) | 1.00 LB | 28.0 |
| | | 1.50 LB | 345.0 |
| Cutworms | Sevin Bait | 40.00 LB | 13.0 |
| Thrips | Malathion | 1.50 PT | 120.0 |
| | | 1.00 PT | 153.0 |
| | Methyl Parathion | 1.33 PT | 30.0 |
| | | 1.50 PT | 30.0 |
| Thrips/Mites | Parathion | .50 PT | 182.0 |
| | Azinphos-Methyl | 1.00 LB | 35.0 |
| | Paraquat | 2.00 PT | 20.0 |
| | | 2.00 QT | 442.0 |

PASTURE
(117,624 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-------------------|------------------|--------------|
| Broadleaf Weeds | 2,4-D Amine | .50 PT | 30.0 |
| Iris | 2,4-D Amine | 1.00 QT | 200.0 |
| Mosquito | B.T.I. | 3.00 PT | 160.0 |
| | | 5.00 LB | 40.0 |
| | | Dibrom (Naled) | .80 OZ |
| | Fenthion (Baytex) | 3.20 OZ | 1,400.0 |
| | Malathion | 3.00 OZ | 7,760.0 |
| | | 3.20 OZ | 2,000.0 |
| | | 4.00 OZ | 240.0 |
| | | 8.00 OZ | 5,400.0 |
| | | 3.00 OZ | 3,900.0 |
| | Tules, Cattails | 2,4-D | .50 PT |
| Willows | 2,4-D | .50 PT | 200.0 |

POTATOES
(32,980 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-------------------------|------------------|--------------|
| Aphids | Dimethoate | 1.00 PT | 300.0 |
| | Endosulfan (Thiosulfan) | 1.00 QT | 5,594.0 |
| Blight | Chlorothalonil (Bravo) | 1.00 QT | 260.0 |
| | Maneb | 1.00 QT | 10,228.0 |
| | Manex | 1.50 QT | 300.0 |
| | | 3.00 QT | 150.0 |
| Blister Beetles | Endosulfan (Thiosulfan) | 1.00 QT | 70.0 |
| Broadleaf Weeds | Metribuzin (Lexone) | .66 PT | 100.0 |
| Defoliation | Diquat | 2.00 PT | 282.0 |
| | Endothall (Des-I-Cate) | 6.00 QT | 230.0 |
| Dessication | Endothall (Des-I-Cate) | 1.00 GAL | 157.0 |
| | | 5.00 QT | 80.0 |
| | Vertac Gen Weed Killer | 3.00 PT | 147.0 |
| Early Blight | Chlorothalonil (Bravo) | 1.50 PT | 128.0 |
| Leafhoppers | Methamidaphos (Monitor) | 2.00 PT | 312.0 |
| Mites | Sulfur (Thiolux) | 4.00 LB | 80.0 |
| Sprouting | Sprout Stop | 1.00 GAL | 330.0 |
| Vines | Diquat | .50 PT | 260.0 |
| | | 1.00 PT | 1,983.0 |
| | | 1.50 PT | 2,844.0 |
| | Endothall (Des-I-Cate) | .50 GAL | 260.0 |
| Weeds | Metribuzin (Lexone) | .50 PT | 300.0 |
| | Metribuzin (Sencor) | 1.00 PT | 2,121.0 |
| | | 1.25 PT | 390.0 |
| | | 1.50 PT | 75.0 |
| | Prowl | 2.00 PT | 5,699.0 |
| Worms/Leafhoppers | Methamidaphos (Monitor) | 2.00 PT | 300.0 |

SEED ALFALFA
(5,715.1 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|------------------------|------------------|--------------|
| Broadleaf Weeds | 2,4-DB | 1.00 QT | 133.0 |
| Dodder | Chloroprotham (Furloe) | 15.00 LB | 59.0 |
| | | 20.00 LB | 1,340.1 |
| | | 30.00 LB | 80.0 |
| | Trifluralin (Treflan) | 20.00 LB | 1,081.0 |
| Lygus Bugs | Carbofuran (Furadan) | 1.00 QT | 650.0 |
| Weevil | Carbofuran (Furadan) | 1.00 QT | 483.0 |
| Ylo Foxtail | Trifluralin (Treflan) | 20.00 LB | 1,889.0 |

SUDAN GRASS
(48 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Broadleaf Weeds | 2,4-D | .50 PT | 48.0 |

WASTE WATER
(4,800 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Mosquitos | Malathion | 1.20 OZ | 2,800.0 |
| | | 8.00 OZ | 2,000.0 |

Wheat
(6,621.2 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|---------------------|------------------|------------------|--------------|
| Aphids | Dimethoate | 1.00 PT | 800.0 |
| | Metasystox-R | 2.00 PT | 65.0 |
| | Methyl Parathion | 1.00 PT | 300.0 |
| | Parathion | .50 PT | 70.0 |
| | | 1.00 PT | 254.0 |
| | Systox | .33 PT | 732.9 |
| Aphids/Grasshopper | Malathion | 1.00 PT | 186.0 |
| | Methyl Parathion | 1.50 PT | 26.0 |
| Aphids/Mites | Methyl Parathion | .50 PT | 80.0 |
| | Systox | .33 PT | 250.4 |
| Broadleaf Weeds | 2,4-D | .50 PT | 200.0 |
| | | .75 PT | 315.0 |
| | | 1.50 PT | 67.0 |
| | 2,4-D Amine | .50 PT | 450.0 |
| | | 1.33 PT | 110.0 |
| | 2,4-DB Ester | 3.00 PT | 21.9 |
| | Methyl Parathion | .75 PT | 80.0 |
| Grasshoppers | Parathion | .33 PT | 60.0 |
| | | .50 PT | 40.0 |
| Mites | Comite | 1.00 QT | 80.0 |
| Morning Glory Weeds | 2,4-D Amine | 1.00 PT | 300.0 |
| | 2,4-D | 2.00 PT | 29.0 |
| | 2,4-D Amine | .66 PT | 75.0 |
| | | 1.50 PT | 80.0 |
| | | 2.00 PT | 1,949.0 |

WHEAT, ALFALFA
(50 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Broadleaf Weeds | 2,4-DB Ester | 3.00 PT | 50.0 |

WHEAT, BARLEY
(1,335 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | 2,4-D Amine | 1.50 PT | 1,335.0 |

WINTER WHEAT
(30 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Broadleaf Weeds | 2,4-D Amine | 1.20 PT | 30.0 |

PESTICIDE USE (Ground Application), BY COUNTIES, 1987

CARSON

NONP-CROPLAND
(.2 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .2 |

CHURCHILL

BARLEY
(94 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | 2,4-D | .66 PT | 94.0 |

NON-CROPLAND
(10.8 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|--------------------|------------------|--------------|
| Weeds | Banvel | 1.00 PT | .8 |
| | Oust | 2.00 OZ | 5.0 |
| | Simizine (Princep) | 2.00 LB | 5.0 |

OATS
(25 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | 2,4-D | .66 PT | 25.0 |

PASTURE
(2 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | 2,4-D | .66 PT | 2.0 |

WHEAT
(27 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | 2,4-D | .66 PT | 27.0 |

CLARK

NON-CROPLAND
(.6 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .6 |

DOUGLAS

NON-CROPLAND
(4 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 4.00 OZ | 3.0 |
| | | 6.00 OZ | 1.0 |

ORNAMENTALS
(.2 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Napropamide | 8.00 LB | .2 |

ESMERALDA

NON-CROPLAND
(.5 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .5 |

EUREKA

ALFALFA HAY
(550 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|---------------------|------------------|--------------|
| Weeds | Metribuzin (Sencor) | 1.00 PT | 550.0 |

NON-CROPLAND
(.2 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .2 |

HUMBOLDT

ALFALFA HAY
(993 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|---------------------|------------------|--------------|
| Weeds | 2,4-DB Ester | 3.00 PT | 70.0 |
| | Hexazinone (Velpar) | 1.00 QT | 765.0 |
| | | 1.50 QT | 61.0 |
| | | 2.00 QT | 50.0 |
| | Metribuzin (Sencor) | 1.00 PT | 47.0 |

HUMBOLDT, cont.

ALFALFA SEED
(382 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|---------------------|------------------|--------------|
| Weeds | Benfluralin (Balan) | 2.00 LB | 286.0 |
| | Metribuzin (Sencor) | 1.00 PT | 60.0 |
| | | 1.25 PT | 36.0 |

BARLEY
(280 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|------------------|------------------|--------------|
| Weeds | Dinoseb (Vertac) | 1.50 PT | 45.0 |
| | | 2.00 PT | 235.0 |

LETTUCE
(60 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------------|------------------|--------------|
| Weeds | Trifluralin (Treflan) | 1.50 PT | 60.0 |

MINT
(725 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------------|------------------|--------------|
| Weeds | Bromoxynil (Buctril) | 1.00 PT | 40.0 |
| | | 2.00 LB | 177.0 |
| | Terbacil (Sinbar) | 1.00 LB | 177.0 |
| | | 1.25 LB | 111.0 |
| | Trifluralin (Treflan) | 1.00 PT | 70.0 |
| | | 3.00 PT | 150.0 |

NON-CROPLAND
(301.8 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|----------------------|------------------|--------------|
| Broadleaf Weeds | Banvel | 8.00 OZ | 140.0 |
| | Dinoseb (Vertac) | 2.00 PT | 140.0 |
| Weeds | Oust | 5.00 OZ | 2.8 |
| | Paraquat (Gramoxone) | 2.50 PT | 19.0 |

POTATOES
(15,008 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|------------------------|------------------|--------------|
| Sprouting | Chloropropham (Decco) | 1.00 GAL | 2,400.0 |
| | Chloropropham (Sptnip) | 1.00 GAL | 12,608.0 |

LANDER

NON-CROPLAND
(40 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Diuron (Karmex) | 5.00 LB | 40.0 |

LYON

NON-CROPLAND
(.4 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .4 |

ONIONS
(419.3 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Nematodes | Pic Clor 60 | 210.00 LB | 277.9 |
| | | 235.00 LB | 103.6 |
| White Rot | Tri Con 75/25 | 400.00 LB | 37.8 |

MINERAL

NON-CROPLAND
(.5 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .5 |

NYE

NON-CROPLAND
(.7 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .7 |

PERSHING

NON-CROPLAND
(.3 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .3 |

STOREY

NON-CROPLAND
(.1 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .1 |

UNKNOWN

RIGHT-OF-WAY
(UNKNOWN TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|--------------------|------------------|--------------|
| Weeds | Atratol | 1,137.20 GAL | |
| | Atrazine | 241.20 GAL | |
| | Direx | 1,185.00 GAL | |
| | Diuron | 94.50 GAL | |
| | Diuron (Karmex) | 5,386.00 LB | |
| | Mont. Crop Oil | 134.80 GAL | |
| | Round-up | 511.75 GAL | |
| | Simazine (Princep) | 1,867.30 GAL | |
| | | 5,386.00 LB | |
| | | Simazine | 148.50 GAL |
| | 2,4-D | 269.00 GAL | |

WASHOE

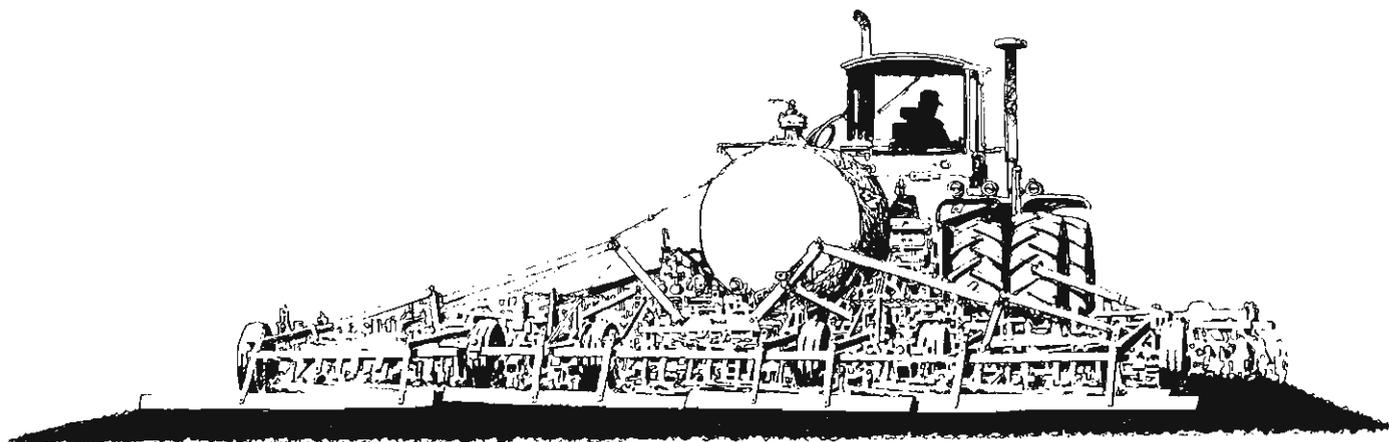
NON-CROPLAND
(44.6 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|--------------------|--------------|
| Russian Thistle | Banvel | 1.00 PT | 16.0 |
| Weeds | Banvel | 1.00 PT | 8.8 |
| | Oust | 2.00 OZ | 8.0 |
| | | 4.00 OZ | .8 |
| | | 5.00 OZ | 3.0 |
| | | Simazine (Princep) | 1.50 LB |

WHITE PINE

NON-CROPLAND
(.2 TOTAL ACRES TREATED)

| <u>PEST OR USE</u> | <u>CHEMICAL</u> | <u>RATE/ACRE</u> | <u>ACRES</u> |
|--------------------|-----------------|------------------|--------------|
| Weeds | Oust | 5.00 OZ | .2 |





**National
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Fact Finding
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