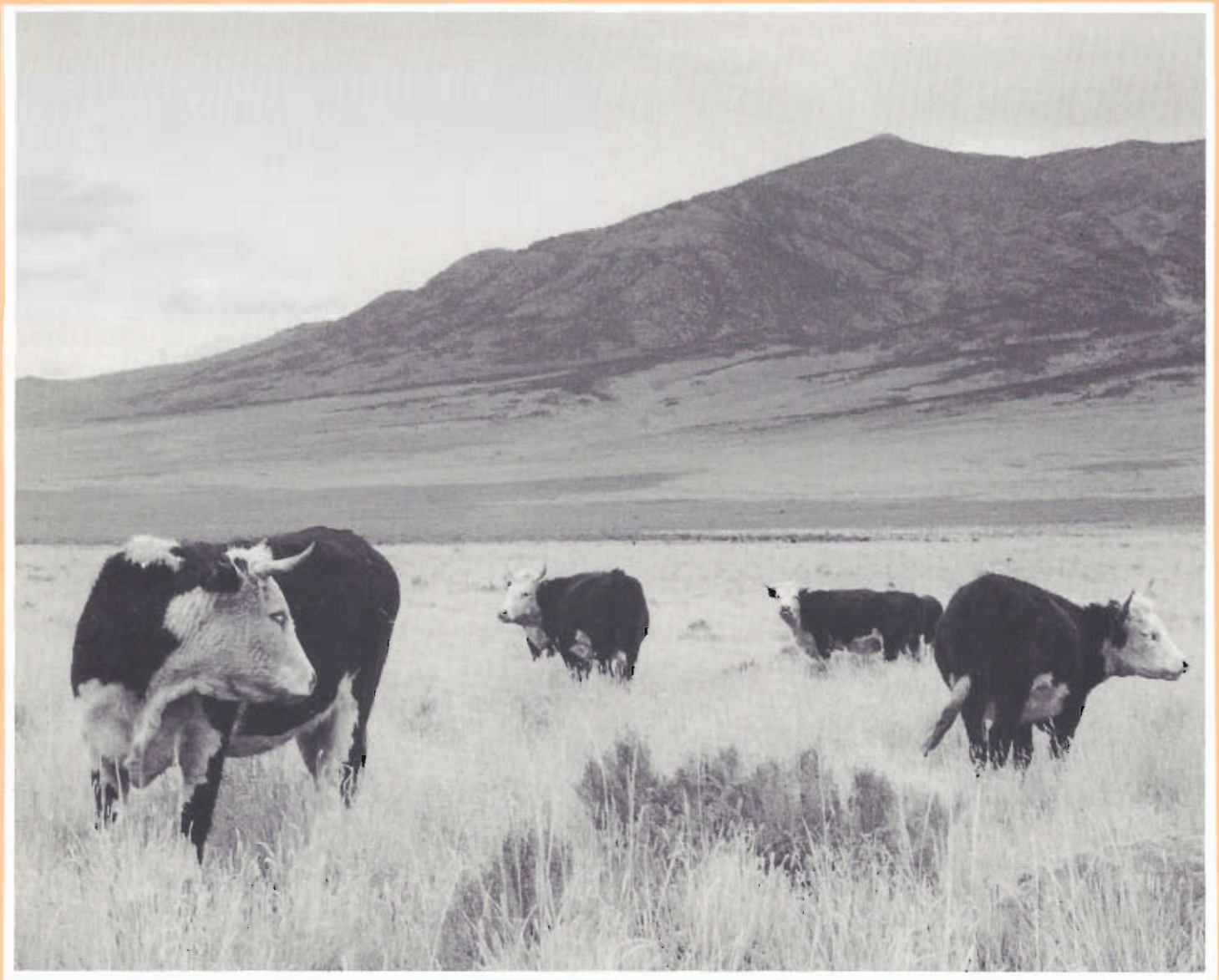
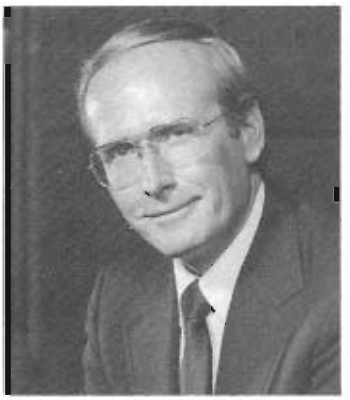
1985-86

Nevada Agricultural Statistics





THE STATE OF NEVADA

EXECUTIVE CHAMBER

Carson City, Nevada 89710

RICHARD H. BRYAN
Governor

STATE OF NEVADA
OFFICE OF THE GOVERNOR
CARSON CITY, NEVADA

TO THE PEOPLE OF NEVADA:

Nevada can be justifiably proud of its agricultural heritage. Our pioneer spirit has never been more evident than in the hearty ranchers and farmers who have toiled through good and bad times alike. Nevada's heritage has always been one of independence and a strong desire to succeed.

While the number of ranches and farms in Nevada is relatively small, agriculture is very important to the state. American agriculture has been suffering recently. I am convinced that the key to turning this situation around is better marketing of our products, both at home and abroad. During my recent trade mission to the Far East we worked to promote Nevada's agricultural products as exports.

To know what quantities of products we have available to market, it is essential that we have a reliable information base. We are fortunate in Nevada to have this resource. Through the cooperative efforts of the Nevada State Department of Agriculture, the University of Nevada Reno College of Agriculture and the USDA, National Agricultural Statistics Service, this much needed information is being compiled and kept current.

I would like to thank all of you in agriculture who supply information to the Nevada Agricultural Statistics Service. With your continued help and support, agriculture will grow and prosper.

Sincerely,

RICHARD H. BRYAN
Governor

STATE OF NEVADA

DEPARTMENT OF AGRICULTURE
350 CAPITOL HILL AVENUE
(MAILING ADDRESS—P.O. BOX 11100, RENO, NEVADA 89510-1100)
(702) 789-0180

TO FRIENDS OF NEVADA AGRICULTURE:

As Executive Director of the Nevada Department of Agriculture, I have long recognized the need for accurate information regarding Nevada's agriculture. This up-to-date and accurate information is essential for our ranchers and farmers in making the many day-to-day operating and marketing decisions. Nevada Agricultural Statistics is a cooperative effort between the Nevada State Department of Agriculture, The College of Agriculture, University of Nevada and the National Agriculture Statistics Service, United States Department of Agriculture. The information contained in this bulletin was provided voluntarily by the many Nevada ranchers and farmers. Their cooperation is greatly appreciated.

I am pleased to present this publication. If you have any comments or suggestions about it, please feel free to contact my office or the Nevada Agricultural Statistics Service.

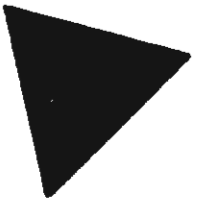
Sincerely,

Thomas W. Ballow
Executive Director

NEVADA AGRICULTURAL STATISTICS

1 9 8 6

Nevada Department of Agriculture
Thomas W. Ballow, Executive Director



University of Nevada-Reno
College of Agriculture
Bernard M. Jones, Dean and Director

U. S. Department of Agriculture
National Agricultural Statistics Service
William E. Kibler, Administrator

Compiled by
Nevada Agricultural Statistics Service
P. O. Box 8880, Reno, NV 89507
702-784-5584

Douglas A. Hasslen, Statistician in Charge
Peter Dale Weber, Asst. Statistician in Charge
Margaret W. Askew, Administrative Clerk
Carrie L. Autry, Statistical Clerk

This is the first opportunity for me to greet many of you as the Nevada State Statistician. Since reporting for duty in January, I have been able to attend many meetings around the state and meet many of our agricultural producers and those who provide support services. In the months ahead I hope to meet many more.

Nevada's rugged terrain presents many obstacles for our producers. To overcome these obstacles, Nevadans have had to become as rugged and independent as the land. While being independent, most producers recognize the necessity of having a good, sound set of data to work with. We may not always like what the numbers show, but knowing them enables us to deal with them and look at alternatives. The basis for all the numbers shown in this bulletin come from these fine Nevada ranchers and farmers and others who voluntarily provide information. Without their help this publication would not be possible. To those of you who play such a key role in furthering Nevada agriculture, I thank you for your time and effort.

Sincerely,

Douglas A. Hasslen

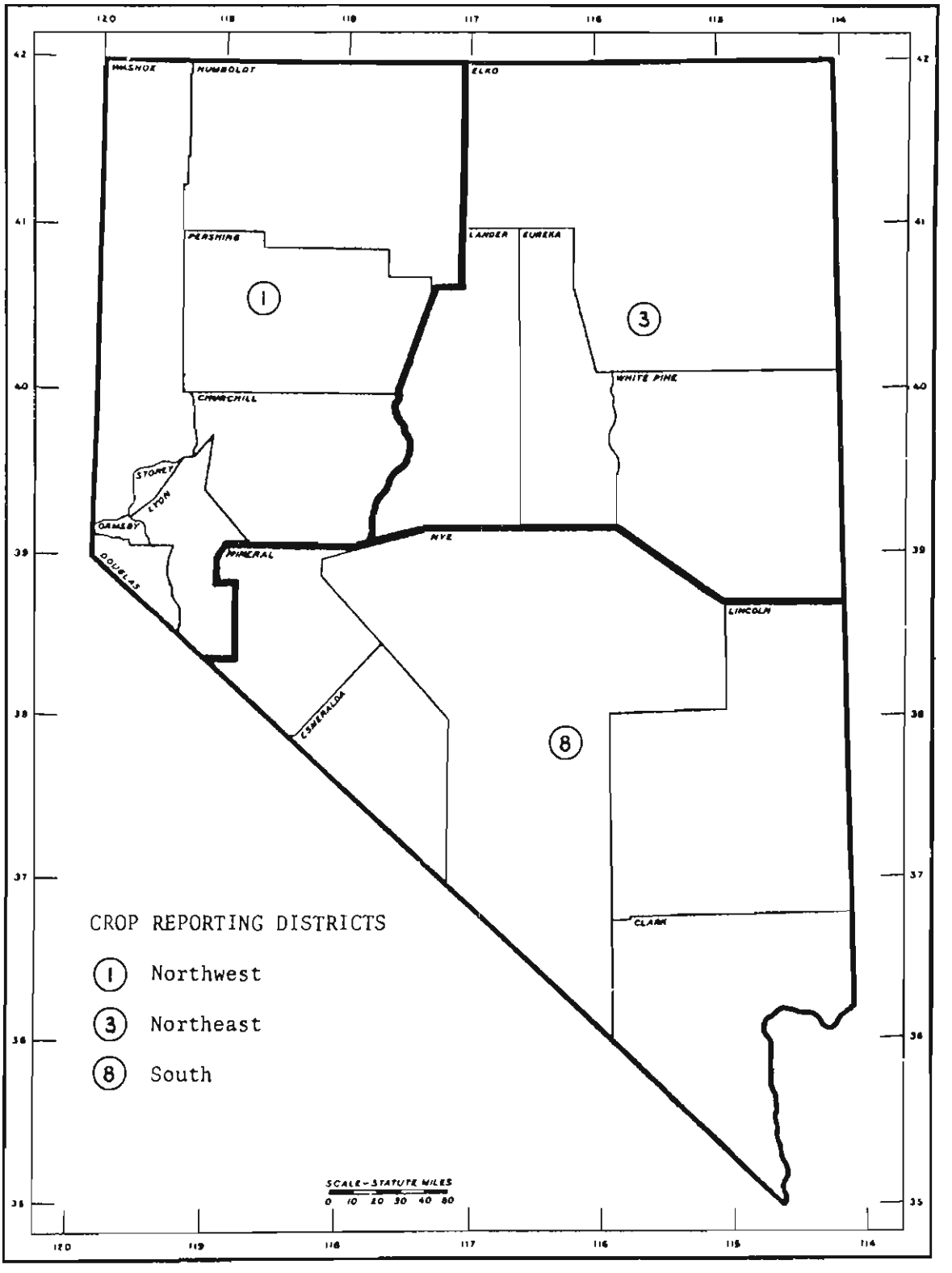
Douglas A. Hasslen
Statistician in Charge

PHOTOGRAPHY ACKNOWLEDGEMENT

The front cover and the picture on p. 21 are BLM photos taken by Jim Yoakum, Wildlife Biologist with the BLM and adjunct professor of range, wildlife and forestry, College of Agriculture, UNR. The photo on the inside back cover taken by Jim Yoakum.

TABLE OF CONTENTS

NEVADA COUNTIES AND CROP REPORTING DISTRICTS



NUMBER OF FARMS AND LAND IN FARMS AND RANCHES, 1975-86, 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
1975	2,200	4,086	8,990	2,521	420	1,059,420
1976	2,400	3,746	8,990	2,497	422	1,054,075
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/	2,400	3,667	8,800	2,214	455	1,007,363

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

NUMBER OF FARMS

Total number of ranches and farms operated in Nevada during 1985, at the 2,500 level, was down from a year earlier. Number of ranches and farms includes places with annual sales of agricultural products of $1,000 or more. The old definition prior to 1975 includes places of 10 or more acres that had annual sales of agricultural products of $50 or more and places of less than 10 acres that had annual sales of $250 or more.

A preliminary number of 2,400 farms is estimated for 1986 which continues the downward trend. New land coming into production has been offset by land consumed for urbanization and construction of highway systems as land in Nevada ranches and farms held steady at 8,800,000 acres during 1984, 1985, and 1986.

Average size of ranch or farm in Nevada during 1986 was 3,667 acres compared with 3,520 in 1985.

NUMBER OF LIVESTOCK SPECIE FARMS, 1975-85

Year	Nevada				United States			
	Cattle	Milk Cows	Sheep	Hogs	Cattle	Milk Cows	Sheep	Hogs
	Number				Thousands			
1975	1,500	430	290	240	1,866.0	443.6	129.6	661.7
1976	1,600	400	280	240	1,825.8	416.2	122.5	658.3
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	1,496.4	273.6	117.2	395.5

PRICES RECEIVED FOR SPECIFIED PRODUCTS: BY MONTHS, NEVADA, 1982-85

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Beef Cattle						
						(Dollars Per Cwt)						
1982	41.20	44.80	46.10	46.90	46.60	46.40	45.50	48.80	44.90	43.90	44.20	36.50
1983	41.60	48.20	51.20	47.30	45.20	43.80	42.20	43.50	40.30	41.70	39.50	39.00
1984	44.40	46.60	45.70	44.80	40.80	45.20	44.70	44.70	45.10	39.60	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
						Steers and Heifers						
1982	50.70	57.10	57.80	56.80	57.40	56.80	52.00	64.30	55.60	55.10	54.70	53.00
1983	53.70	57.80	59.50	58.40	56.80	54.20	50.60	50.20	49.10	52.90	51.50	47.60
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
						Cows						
1982	35.60	35.10	38.50	38.00	39.10	39.60	38.00	37.40	37.10	35.80	33.00	31.60
1983	32.70	38.70	43.30	41.10	41.50	39.40	38.50	38.50	36.90	33.10	32.60	32.60
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
						Calves						
1982	58.70	60.10	61.80	62.80	59.20	62.90	58.00	57.60	57.80	60.20	58.70	56.70
1983	60.10	63.90	66.90	65.50	63.90	60.40	55.00	56.40	53.40	58.00	57.30	62.00
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
						Sheep						
1982	13.40	17.80	22.30	16.90	13.50	16.80	13.30	14.10	12.20	13.60	9.10	16.10
1983	12.30	12.80	14.20	25.00	16.60	8.40	7.60	6.30	7.20	7.00	10.70	7.60
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
						Lambs						
1982	38.40	39.10	38.90	1/	48.50	51.20	44.40	44.90	41.00	40.10	37.20	38.80
1983	35.30	35.90	42.50	46.50	36.70	45.00	34.60	30.80	34.40	38.70	44.30	46.10
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
						Alfalfa Hay						
						(Dollars Per Ton)						
1982	74.00	74.00	74.00	79.00	84.00	86.00	82.00	90.00	90.00	95.00	95.00	92.00
1983	92.00	94.00	93.00	92.00	97.00	94.00	98.00	97.00	99.00	99.00	99.00	99.00
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
						Other Hay						
1982	60.00	60.00	60.00	65.00	70.00	75.00	70.00	78.00	78.00	83.00	80.00	77.00
1983	77.00	75.00	74.00	70.00	80.00	75.00	79.00	78.00	80.00	75.00	75.00	75.00
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
						All Hay						
1982	70.00	70.00	70.00	75.00	80.00	83.00	78.00	86.00	86.00	91.00	90.00	87.00
1983	87.00	88.00	87.00	85.00	92.00	88.00	92.00	91.00	93.00	92.00	92.00	92.00
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

1/ Insufficient sales to establish price.

CONSUMPTION BY KIND OF FERTILIZER, NEVADA, YEARS ENDED JUNE 30, 1983-85

Kind of Fertilizer	1983	1984	1985
		Tons	
Anhydrous ammonia	273	251	124
Ammonium nitrate	879	789	449
Ammonium sulphate	2,247	3,969	5,162
Nitrogen solution	5,899	4,910	4,599
Urea	415	901	1,999
Other nitrogen materials	203	650	1,611
Ammonium phosphates	2,697	1,585	4,188
Superphosphates	1,611	2,138	1,601
Other phosphates	2	16	20
Potash materials	130	131	84
Gypsum	2,686	7,072	5,457
Other secondary and micronutrients	503	652	622
Natural organics	1,891	1,246	821
Total direct-application material	19,436	24,310	26,737
Total commercial mixtures	5,152	5,521	6,820
Total all kinds of fertilizer	24,588	29,831	33,557

AVERAGE PRICES PAID BY FARMERS AND RANCHERS FOR FEED, NEVADA, 1982-85

Commodity	Unit	1982	1983	1984	1985
			Dollars		
Feed:					
Dairy feed, 14%	Ton	194.00	196.00	207.00	215.00
Dairy feed, 16%	"	226.00	226.00	237.00	235.00
Bran	Cwt.	12.70	12.50	12.00	11.90
Cottonseed meal, 41%	"	17.90	17.50	16.00	15.30
Stock salt	"	5.30	5.50	5.50	6.10

CASH RECEIPTS FROM FARM MARKETINGS BY COMMODITIES, NEVADA, 1983-85

Item	1983		1984		1985 1/	
	Thou. Dol.	% of Total	Thou. Dol.	% of Total	Thou. Dol.	% of Total
Cattle & Calves	107,689	47.1	123,418	49.2	101,754	45.8
Dairy Products	31,088	13.6	33,210	13.2	33,408	15.1
Sheep & Lambs (Including Wool)	12,117	5.3	13,684	5.5	6,954	3.1
All Other Livestock & Products	2,126	.9	2,060	.8	1,808	.8
Total Livestock & Products	153,020	66.9	172,372	68.7	143,924	64.8
All Hay	45,818	20.1	40,016	15.9	44,662	20.1
Alfalfa Seed	4,726	2.1	5,800	2.3	6,194	2.8
Potatoes	11,043	4.8	17,708	7.1	13,358	6.0
Food & Feed Grains	7,788	3.4	8,893	3.5	7,954	3.6
Vegetables	5,856	2.6	5,996	2.4	5,717	2.6
All Other Crops	296	.1	275	.1	255	.1
Total Crops	75,527	33.1	78,688	31.3	78,140	35.2
Total All Commodities	228,547	100.0	251,060	100.0	222,064	100.0

1/ Preliminary.

PRODUCTION EXPENSES OF NEVADA FARMERS AND RANCHERS, 1983-85 1/

Item	1983	1984	1985
	Million Dollars		
Feed	37.2	34.7	31.8
Livestock	16.1	13.7	10.5
Seed	3.5	4.0	3.9
Fertilizer and lime	6.0	5.3	7.0
Repair and operation of capital items	39.6	37.9	36.0
Hired labor	23.2	23.3	23.8
Miscellaneous	49.5	50.2	55.2
Total current farm operating expenses	175.2	169.1	168.2
Depreciation and other consumption of farm capital	47.3	45.3	41.1
Taxes on farm mortgage debt	4.0	3.9	3.6
Interest on farm mortgage debt	27.4	27.8	27.4
Net rent to nonfarm landlords	7.2	6.4	6.1
Total Production Expense	261.0	252.6	246.5

FARM INCOME CONTINUES DOWNWARD TREND

Net farm income totaled $3.1 million dollars in 1985 compared with $25.6 million a year earlier. The decrease from 1984 was due largely to a sharp drop in cash receipts from farm marketings as farm production expenses were down slightly in 1985. Total gross farm income (before deducting farm production expenses and net change in inventories) was $255.7 million in 1985--down 11 percent from the preceding year.

FARM INCOME, NEVADA, 1983-85 1/

Item	1983	1984	1985
	Million Dollars		
Realized gross farm income			
Cash receipts from farm marketings	228.5	251.1	222.1
Government payments	4.1	4.5	3.9
Nonmoney income	28.8	28.8	27.2
Other farm income	1.6	2.0	2.5
Total gross farm income	263.1	286.4	255.7
Farm production expenses	261.0	252.6	246.5
Realized net farm income	2.1	33.8	9.1
Net change in farm inventories	6.9	- 8.2	- 6.0
Total net farm income	9.0	25.6	3.1

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

USUAL PLANTING AND HARVESTING DATES, BY CROPS AND PRINCIPAL PRODUCING AREAS IN NEVADA

	1985 Harvested Acreage (000)	Usual Planting Dates	Usual Harvesting Dates			Principal Producing Areas and Counties
			Begin	Most Active	End	
Barley						
Fall Sown	37	Sep 5-Oct 20	Jul 10	Jul 15-Aug 25	Sep 5	District 1
Spring Sown		Apr 5-May 10	Jul 20	Jul 25-Sep 1	Sep 15	District 1
Corn,Silage	3	May 1-Jun 1	Sep 1	Sep 10-Oct 1	Oct 10	Churchill Pershing
Hay						
Alfalfa	235		Apr 10		Nov 1	Clark
			Jun 1		Oct 10	District 1, 3
All Other	260		Jun 15		Sep 15	District 1, 3
Oats	4	Apr 1-May 25	Jul 25	Aug 5-Sep 1	Sep 10	Statewide
Wheat						
Winter	9	Sep 5-Oct 20	Jul 15	Aug 1-Aug 25	Sep 5	Humboldt Pershing
Spring	15	Apr 1-May 10	Jul 25	Aug 10-Sep 5	Sep 15	Humboldt Eureka Pershing Lander
Potatoes	9	Apr 25-Jun 10	Oct 1	Oct 10-Oct 30	Nov 10	Humboldt Lander Lyon Washoe
SEED CROPS						
Alfalfa	11		Aug 25	Sep 5-Oct 5	Oct 15	Humboldt Pershing Lander

WEATHER SUMMARY, 1984-85

GENERAL: Precipitation for the water year October 1, 1984 through September 30, 1985 totaled 8.16 inches--one percent below normal and almost 5 inches less than a year earlier. Winter came early in fall with unseasonably hard freezes--as early as October. Temperatures dropped to subzero levels and snow accumulations were well above normal in the Sierras but below average in the remainder of the state. An air inversion condition created hazardous air pollution levels for nearly two weeks in January. Weather moderated somewhat during the spring season. Temperatures were above normal but precipitation was below. Temperatures early in the summer season were at record or near record breaking highs. Scattered thundershowers did little to compensate for the extreme heat. Numerous range fires were started by sporadic lightning strikes accompanying the storms and widespread winds made containment extremely difficult. Temperatures during the 1984-85 year averaged 49.2 degrees which was slightly above last year but below normal. July was again the hottest month of the summer season with an average of 75.1 degrees.

FALL 1984: October started with a cooling trend in all areas accompanied by hard freezes in some sections. Cooler weather with widespread rain occurred until midmonth when above normal temperatures produced additional rain showers at valley floors and snow at higher elevations. Cold air following the storms produced unsettled weather. A cold front late in October brought another siege of rain showers and gusty winds in the valleys and snow at higher elevations. Temperatures averaged well below normal all areas. November started like October ended--cold and showery with temperatures below normal. Weather at midmonth changed to fair skies and pleasant, near normal temperatures. This brief Indian Summer likeness ended abruptly when successive cold fronts brought a return to gusty winds and scattered snow showers to northern areas. Temperatures averaged well below normal most areas. A series of storm systems near the end of November produced considerable rain at valley floors and snow at higher elevations. Precipitation during November was nearly twice the normal amount.

WINTER 1984: Winterlike weather with significant precipitation continued to move into Nevada early in December. Heavy snow fell in the Sierras with mostly rain at lower elevations. Weather pattern the following week was rather quiescent. By midmonth, cooler air in the northern and central sections plunged temperatures to subzero levels in some localities. It seemed like winter weather was right on schedule. Severe, cold winter storms the last half of December brought significant amounts of snow to northern and central areas with considerable snow accumulations in the Sierras and northern mountains. Another storm at the very end of December brought unusually large amounts of snow to southcentral areas with moderate amounts of rain and snow elsewhere. Temperatures following the storm dropped to subzero levels, especially northern and central sections. Temperatures continued below normal the beginning of January. A high pressure system produced an air inversion condition that created hazardous air pollution levels in most western valleys. This situation continued throughout the second and third weeks of January. Temperatures averaged near or below normal and light amounts of precipitation fell largely as a result of foggy skies much of the night and morning hours in central and northern valleys. Dense fog and low clouds persisted in northern valleys. An unusually cold northerly flow aloft early in February brought surges of cold air and snow to all areas and also removed the air pollution problem. Temperatures averaged well below normal with below zero minimums common northeastern and central areas. Record shattering morning low temperatures were common the second week in the north. A warming trend midmonth dissipated the winter weather somewhat. The weather picture continued generally fair for the remainder of February until the very end of the month when a surge of cold air brought a return of rain and snow to northern and central areas, strong winds extreme south.

WEATHER SUMMARY, 1984-85, cont.

SPRING, 1985: A high pressure system the beginning of March produced sunny skies and above normal temperatures. A series of storms during the remainder of March dropped mixed rain and snow across northern and central areas. The extreme south was mostly dry. April started with a series of storms that dropped heavy amounts of snow across the northern half of Nevada and light rainfall in the extreme south. Sunny skies and unseasonably warm temperatures dominated the middle two weeks. Cool and showery weather developed at the end of April but produced mostly light with some moderate amounts of precipitation. Several record low temperatures were recorded in the north. Southern areas also ended the month windy and cooler than normal with only trace amounts of rain. Average temperatures during April were well above normal all areas. May started warm and dry in all areas but changed to cool, cloudy, and windy by midmonth. Overnight lows fell slightly below freezing in some western and northern areas with light snowfall, noted in the Sierras and northern mountains. End of May was characterized by above normal temperatures, gusty winds, and scattered thunderstorms. Temperatures for the month of May averaged slightly above normal but precipitation was below seasonal averages. Lack of rain in the southern half of the state created an extreme fire hazard situation.

SUMMER, 1985: June temperatures were below normal early in the month but changed to record or near record breaking highs the remainder of the period. Scattered thundershower activity did little to moderate this early season warm spell. Numerous range fires were started by the sporadic lightning strikes accompanying the storms. July temperatures started close to normal but quickly changed to record highs and all time record highs during the remainder of the month. Numerous outbreaks of thunderstorm activity produced more lightning than rain in most places. Many thunderstorms were high based which resulted in much of the associated precipitation evaporating before reaching the ground (this phenomenon is called a Virga by the Weather Bureau). Some flash flooding did occur in the extreme south. Lightning strikes that set off numerous range fires plagued many sections of the state. Strong winds were also noted in several areas. Temperatures fluctuated throughout August but averaged near normal. The month started cool but ended with record breaking high temperatures. Infrequent storms passing through the state produced some cloudiness but only trace amounts of precipitation. Lightning set off more range fires near the end of August and widespread winds made containment extremely difficult. September started with new daily maximum record high temperatures, but a series of cold fronts quickly dropped temperatures well below normal. First snow of the season fell in the Sierras midmonth. Scattered storms brought some precipitation but totals for the month were well below normal. Temperatures moderated near the end of the period but the average for September was well below normal. Vegetative killing frosts, although not devastating, were reported from September 11 through the 17th.

TEMPERATURES AND PRECIPITATION FOR WATER YEAR, 1985

	1984			1985									
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
						Degrees							
Temperature													
1984-85	45.8	39.0	27.8	26.8	30.9	38.1	52.0	58.1	69.4	75.1	70.0	57.6	49.2
Normal	51.8	39.4	32.7	29.6	33.8	40.3	48.6	56.4	64.4	72.9	70.8	62.8	50.3
Departure	-6.0	- .4	-4.9	-2.8	-2.9	-2.2	+3.4	+1.7	+5.0	+2.2	- .8	-5.2	-1.1
						Inches							
Precipitation													
1984-85	1.20	1.31	.90	.49	.47	1.08	.21	.52	.21	.79	.03	.95	8.16
Normal	.68	.68	.90	.94	.88	.81	.79	.77	.53	.47	.41	.39	8.25
Departure	+.52	+.63	---	-.45	-.41	+.27	-.58	-.25	-.32	+.32	-.38	+.56	-.09

ANNUAL CROP SUMMARY

Nevada ranchers and farmers produced 1.6 million tons of selected crops in 1985--down 4 percent from 1984. All crops except alfalfa seed, garlic, and onions showed decreases in production from the preceding year. Acreage of total crops harvested was down 5 percent due largely to a decrease in wild hay cut as a result of drought conditions in 1985. Increases in acreages harvested were shown only for alfalfa seed, garlic, onions, and winter wheat. Hay production was down from 1984 due to both lower yields and a smaller wild hay acreage cut. Alfalfa hay acreage harvested was unchanged from 1984 but the wild hay acreage dropped 10 percent from the preceding year. Alfalfa hay was harvested from 235,000 acres with an average yield of 4.10 tons per acre totalling 964,000 tons compared with 940,000 tons a year earlier. Other types of hay (largely wild or meadow hay) were cut from 260,000 acres compared with 290,000 in 1984. Slightly lower yields in 1985 also contributed to the smaller production of 338,000 tons compared with 406,000 tons a year earlier.

FIELD CROP SUMMARY, PRINCIPAL CROPS, NEVADA, 1984-85

Crop	1984 Acres Harvested	1984 Yield Per Acre	1984 Unit	1984 Production Total	1984 Production Value	1985 Acres Harvested	1985 Yield Per Acre	1985 Production Total	1985 Production Value
				- Thousands -				- Thousands -	
Alfalfa Seed.	10,000	525	Lbs.	5,250	5,775	11,000	670	7,370	7,370
Barley. . . .	37,000	90	Bu.	3,330	8,492	37,000	80	2,960	6,512
Garlic. . . .	800	6	Tons	4.8	2,112	900	6	5.4	2,160
Hay, Alfalfa.	235,000	4	"	940	2/	235,000	4.1	964	2/
Hay, All. . .	525,000	2.56	"	1,346	100,950	495,000	2.63	1,302	104,160
Onions. . . .	400	23	"	9.2	2,576	600	21	12.6	2,520
Potatoes. . .	10,000	330	Cwt.	3,300	15,180	9,000	345	3,105	8,694
Wheat, All. .	24,000	76.7	Bu.	1,840	5,516	24,000	73.8	1,770	4,917
Wheat, Spring	16,000	75	"	1,200	3,660	15,000	70	1,050	3,045
Wheat, Winter	8,000	80	"	640	1,856	9,000	80	720	1,872

2/ Not available.

CROP VALUES

Value of selected crops grown in Nevada totaled $136.3 million in 1985--down 3 percent from the 1984 value of $140.8 million. Value decrease was due to both lower prices for most crops and smaller acreages for wild hay and potatoes. Hay prices increased 7 percent, but decreases of 10 percent were shown for winter wheat, 5 percent for spring wheat, 14 percent for barley, 9 percent for alfalfa seed, and 39 percent for potatoes.

ACREAGE, PRODUCTION AND VALUE, NEVADA, 1983-85

Crop	Acres Harvested 1983	Acres Harvested 1984	Acres Harvested 1985	Tons Produced 1983	Tons Produced 1984	Tons Produced 1985	Values 1983	Values 1984	Values 1985
					Thousands				
Grain Crops 1/	52.0	61.0	61.0	103.1	135.1	124.1	12,347	14,178	11,429
Alf.Seed	10.0	10.0	11.0	2.0	2.6	3.7	4,658	5,775	7,370
Potatoes	12.0	10.0	9.0	186.0	165.0	155.0	21,204	15,180	8,694
Garlic	.8	.8	.9	4.8	4.8	5.4	2,112	2,112	2,160
Onions	.5	.4	.6	10.5	9.2	12.6	2,205	2,576	2,520
All Hay	530.0	525.0	495.0	1,302.0	1,346.0	1,302.0	118,482	100,950	104,160
Total	605.3	607.2	577.5	1,608.4	1,662.7	1,602.8	161,008	140,771	136,333

1/ Wheat & Barley.

WINTER WHEAT: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1976-85

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
			Bushels	Thou. Bu.	Dol. Per Bu.	Thousand Dollars
1976	19,000	18,000	65	1,170	2.87	3,358
1977	15,000	14,000	60	840	2.65	2,226
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	2.60	1,872

WINTER WHEAT: ACREAGE, YIELD AND PRODUCTION, BY COUNTIES, NEVADA, 1984-85

County	1984				1985			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		Bushels		Acres		Bushels	
Churchill	900	800	80.0	64,000	1,000	900	80.0	72,000
Eureka	500	300	70.0	21,000	500	400	65.0	26,000
Humboldt	3,100	2,700	80.0	216,000	3,300	3,000	90.0	270,000
Lyon	1,000	900	80.0	72,000	1,300	1,100	70.0	77,000
Pershing	2,300	2,100	90.0	189,000	2,200	2,000	85.0	170,000
All Others	1,200	1,200	65.0	78,000	1,700	1,600	66.0	105,000
State Totals	9,000	8,000	80.0	640,000	10,000	9,000	80.0	720,000

SPRING WHEAT: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1976-85

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
			Bushels	Thou. Bu.	Dol. Per Bu.	Thousand Dollars
1976	15,000	13,000	39	507	2.87	1,455
1977	13,000	12,000	50	600	2.60	1,560
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

SPRING WHEAT: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, NEVADA, 1984-85

County	1984				1985			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		Bushels		Acres		Bushels	
Churchill	1,800	1,500	75.0	112,500	1,600	1,300	70.0	91,000
Eureka	1,200	1,000	65.0	65,000	1,000	800	60.0	48,000
Humboldt	7,600	6,800	80.0	544,000	7,200	6,400	70.0	448,000
Lander	400	300	55.0	16,500	400	300	60.0	18,000
Lyon	1,200	1,000	70.0	70,000	1,100	900	65.0	58,500
Pershing	4,900	4,500	75.0	337,500	4,800	4,400	75.0	330,000
All Others	900	900	60.6	54,500	900	900	63.0	56,500
State Totals	18,000	16,000	75.0	1,200,000	17,000	15,000	70.0	1,050,000

BARLEY: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1976-85

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
			Bushels	Thou. Bu.	Dol. Per. Bu.	Thousand Dollars
1976	22,000	20,000	54	1,080	2.45	2,646
1977	25,000	23,000	65	1,495	1.95	2,915
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	2.20	6,512

BARLEY: ACREAGE, YIELD AND PRODUCTION, BY COUNTIES, NEVADA, 1984-85

County	1984 Planted	1984 Harvested	1984 Yield	1984 Production	1985 Planted	1985 Harvested	1985 Yield	1985 Production
	Acres		Bushels		Acres		Bushels	
Churchill	4,000	3,600	90.0	324,000	4,100	3,800	75.0	285,000
Eureka	3,700	3,300	90.0	297,000	3,600	3,200	70.0	224,000
Humboldt	18,700	18,300	95.0	1,738,500	18,500	18,100	85.0	1,538,500
Lander	1,100	900	65.0	58,500	1,200	1,000	60.0	60,000
Lyon	3,700	3,300	90.0	297,000	3,600	3,200	80.0	256,000
Pershing	3,000	2,700	90.0	243,000	3,100	2,800	85.0	238,000
Washoe	1,000	800	80.0	64,000	900	700	70.0	49,000
White Pine	1,200	1,000	80.0	80,000	1,200	1,000	70.0	70,000
All Others	3,600	3,100	73.5	228,000	3,800	3,200	75.0	239,500
State Totals	40,000	37,000	90.0	3,330,000	40,000	37,000	80.0	2,960,000

HAY: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1976-85

Year	All Hay Acres Harvested	All Hay Yield Per Acre	All Hay Production	All Hay Season Average Price	All Hay Value of Production	Alfalfa Hay Acres Harvested	Alfalfa Hay Yield Per Acre	Alfalfa Hay Production
		Tons	Thou. Tons	Dollars	Thou. Dols.		Tons	Thou. Tons
1976	475	2.08	989	69.50	65,261	195	3.35	653
1977	445	2.16	963	55.00	48,345	205	3.35	687
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	80.00	104,160	235	4.10	964

1/ Alfalfa Hay Season Average Price and Value of Production are not available.

HAY: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY TYPES, BY COUNTIES, NEVADA, 1984

County	Alfalfa Hay			All Other Hay			All Hay
	Acres	Yield	Production	Acres	Yield	Production	Production
		Tons	Tons		Tons	Tons	Tons
Churchill	31,000	4.60	142,600	4,000	1.90	7,600	150,200
Douglas	8,000	3.70	29,600	8,000	1.80	14,400	44,000
Humboldt	38,000	4.05	153,900	50,000	1.35	67,500	221,400
Lyon	35,000	4.10	143,500	6,000	1.90	11,400	154,900
Carson City	400	3.60	1,440	400	1.30	520	1,960
Pershing	18,000	4.30	77,400	3,000	1.50	4,500	81,900
Storey	100	3.60	360	100	1.10	110	470
Washoe	10,000	3.70	37,000	9,000	1.80	16,200	53,200
District 1	140,500	4.17	585,800	80,500	1.52	122,230	708,030
Elko	25,000	3.60	90,000	169,600	1.30	220,480	310,480
Eureka	18,000	3.80	68,400	10,000	1.80	18,000	86,400
Lander	11,000	3.60	39,600	15,000	1.30	19,500	59,100
White Pine	13,000	2.90	37,700	5,700	1.70	9,690	47,390
District 3	67,000	3.52	235,700	200,300	1.34	267,670	503,370
Clark	5,000	5.90	29,500	600	2.60	1,560	31,060
Esmeralda	6,000	3.70	22,200	300	1.20	360	22,560
Lincoln	5,500	3.80	20,900	1,000	1.80	1,800	22,700
Mineral	3,000	4.10	12,300	300	1.60	480	12,780
Nye	8,000	4.20	33,600	7,000	1.70	11,900	45,500
District 8	27,500	4.31	118,500	9,200	1.75	16,100	134,600
State Total	235,000	4.00	940,000	290,000	1.40	406,000	1,346,000

HAY: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY TYPES, BY COUNTIES, NEVADA, 1985

County	Alfalfa Hay			All Other Hay			All Hay
	Acres	Yield	Production	Acres	Yield	Production	Production
		Tons	Tons		Tons	Tons	Tons
Churchill	32,000	4.60	147,200	3,000	1.70	5,100	152,300
Douglas	7,000	3.40	23,800	7,000	1.60	11,200	35,000
Humboldt	38,000	4.30	163,400	46,200	1.10	50,820	214,220
Lyon	34,000	4.20	142,800	5,000	1.60	8,000	150,800
Carson City	400	3.80	1,520	300	1.40	420	1,940
Pershing	17,000	4.50	76,500	2,000	1.60	3,200	79,700
Storey	100	3.80	380	100	1.10	110	490
Washoe	11,000	4.20	46,200	8,000	1.90	15,200	61,400
District 1	139,500	4.31	601,800	71,600	1.31	94,050	695,850
Elko	27,000	3.80	102,600	153,800	1.25	192,250	294,850
Eureka	18,000	3.60	64,800	9,000	1.60	14,400	79,200
Lander	10,000	4.10	41,000	13,000	1.30	16,900	57,900
White Pine	12,000	2.80	33,600	4,800	1.50	7,200	40,800
District 3	67,000	3.61	242,000	180,600	1.28	230,750	472,750
Clark	6,000	5.20	31,200	500	2.60	1,300	32,500
Esmeralda	6,000	4.10	24,600	300	1.20	360	24,960
Lincoln	5,500	3.80	20,900	800	1.30	1,040	21,940
Mineral	3,000	4.10	12,300	200	1.50	300	12,600
Nye	8,000	3.90	31,200	6,000	1.70	10,200	41,400
District 8	28,500	4.22	120,200	7,800	1.69	13,200	133,400
State Total	235,000	4.10	964,000	260,000	1.30	338,000	1,302,000

POTATOES: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1976-85

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
			Cwt.	Thou. Cwt.	Dol. Per. Cwt.	Thousand Dollars
1976	14,000	14,000	380	5,320	2.44	12,981
1977	14,000	14,000	340	4,760	2.90	13,804
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

ONIONS: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1980-85 1/

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
			Tons	Thou. Tons	Dol. Per Ton	Thousand Dollars
1980	2/					
1981	2/	600	20	12,000	195.00	2,340
1982	2/	600	23	13,800	200.00	2,760
1983	2/	500	21	10,500	210.00	2,205
1984	2/	400	23	9,200	280.00	2,576
1985	2/	600	21	12,600	200.00	2,520

1/ Not official estimates.
2/ Not available.

GARLIC: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1980-85 1/

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
			Tons	Thou. Tons	Dol. Per. Ton	Thousand Dollars
1980	2/					
1981	2/	600	6.0	3.6	420.00	1,512
1982	2/	600	5.5	3.2	360.00	1,152
1983	2/	800	6.0	4.8	440.00	2,112
1984	2/	800	6.0	4.8	440.00	2,112
1985	2/	900	6.0	5.4	400.00	2,160

1/ Not official estimates.
2/ Not available.

ALFALFA SEED: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1976-85

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
			Pounds	Thou. Lbs.	Dol. Per Lb.	Thousand Dollars
1976	1/	11,500	355	4,083	1.10	4,491
1977	1/	15,500	520	8,060	1.25	10,075
1978	1/	17,000	365	6,205	1.35	8,377
1979	1/	18,000	405	7,290	1.30	9,477
1980	1/	17,000	450	7,650	1.20	9,180
1981	1/	17,000	530	9,010	1.15	10,362
1982	1/	13,000	350	4,550	1.05	4,778
1983	1/	10,000	405	4,050	1.15	4,658
1984	1/	10,000	525	5,250	1.10	5,775
1985	1/	11,000	670	7,370	1.00	7,370

1/ Not available.

ALFALFA SEED: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1980-85

Year	Humboldt	Pershing	All Other 1/	Nevada Total
		Acreage Harvested		
		Acres		
1980	6,000	10,000	1,000	17,000
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
		Yield Per Acre		
		Pounds		
1980	400	480	450	450
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
		Production of Clean Seed		
		Thousand Pounds		
1980	2,400	4,800	450	7,650
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

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

LIVESTOCK SUMMARY

Nevada's cattle cycle continued the downward swing with a moderate decrease. Total cattle and calves on January 1, 1986, at 610,000 head, was down 2 percent from a year earlier. Beef cows totaled 301,000 head at the beginning of 1986--down 2 percent from the preceding year. Milk cows increased to 19,000 head in 1986. Beef heifers over 500 pounds showed a 5 percent decrease from the previous year while milk replacement heifers held steady. Steers weighing over 500 pounds were also unchanged. Calves (less than 500 pounds) changed from 172,000 head in 1985 to 170,000 at the beginning of 1986.

Sheep and lambs totaled 81,000 head January 1, 1986--down 19 percent from the preceding year. Sheep numbers were at a peak level of over 1,300,000 in 1920. Stock sheep were estimated at 78,000 head at the beginning of the year. Sheep and lambs on feed totaled 3,000 head on January 1, 1986. Ewe lambs decreased from 12,000 to 10,000 head and ewes one year old and older went from 75,000 to 65,000 head.

Hogs and pigs on December 1, 1985 were estimated at 15,000 head, up 15 percent from a year earlier.

About 270,000 calves were born on Nevada ranches and farms during 1985, down 5 percent from 1984. Lambs saved decreased from 83,000 in 1984 to 72,000 in 1985.

LIVESTOCK ON FARMS, JANUARY 1, 1984-86 1/

Species	Nevada				United States			
	1984	1985	1986	86 as % of 85	1984	1985	1986	86 as % of 85
	Thousand Head			Pct.	Thousand Head			Pct.
Cattle and Calves. .	660	620	610	98	113,700	109,749	105,468	96
Cows That Calved. .	346	325	320	98	48,603	46,174	44,812	97
Beef Cows.	329	307	301	98	37,494	35,370	33,632	95
Milk Cows.	17	18	19	106	11,109	10,805	11,179	103
Heifers 500 lbs+. .	75	63	61	97	18,566	18,358	17,998	98
Beef Repl.	51	43	41	95	6,183	5,542	5,149	93
Milk Repl.	7	6	6	100	4,532	4,760	4,759	100
Other Heifers. . .	17	14	14	100	7,851	8,056	8,090	100
Steers 500 lbs+ . .	38	43	43	100	16,371	16,369	15,967	98
Bulls 500 lbs+. . .	18	17	16	94	2,549	2,411	2,261	94
Calves Under 500 lbs	183	172	170	99	27,611	26,436	24,431	92
Sheep and Lambs. . .	103	100	81	81	11,486.5	10,442.7	9,932.1	95
On Feed	11	10	3	30	1,718.0	1,596.0	1,492.0	93
Stock Sheep	92	90	78	87	9,768.5	8,846.7	8,440.1	95
Lambs	12	13	11	85	1,554.7	1,299.7	1,356.1	104
Ewes	11	12	10	83	1,237.1	1,015.8	1,041.5	103
Wethers & Rams . .	1	1	1	100	317.6	283.9	314.6	111
One Year and Older.	80	77	67	87	8,213.8	7,547.0	7,084.0	94
Ewes	78	75	65	87	7,873.7	7,233.4	6,775.5	94
Wethers & Rams . .	2	2	2	100	340.1	313.6	308.5	98
Hogs and Pigs 2/. .	14	13	15	115	55,694.0	54,073.0	52,298.0	97

1/ Sum of classes may not add to total due to rounding.
2/ December 1, preceding year.

FARM VALUES

Inventory numbers were below last year for cattle and calves, and sheep and lambs, but up for hogs and pigs. Per head values were up for cattle and calves and sheep and lambs, but down for hogs and pigs.

Total inventory value of $228 million was fractionally below a year earlier. Cattle and calves were valued at $220 million, sheep and lambs at $7.0 million, and hogs and pigs at $1.3 million.

LIVESTOCK: VALUE PER HEAD AND TOTAL VALUE, NEVADA, JANUARY 1, 1984-86

Species	Value Per Head			Total Value		
	1984	1985	1986	1984	1985	1986
	Dollars			Thousand Dollars		
Cattle and Calves.	385.00	355.00	360.00	254,100	220,100	219,600
Sheep and Lambs. .	66.50	76.00	86.50	6,850	7,600	7,007
Hogs and Pigs 1/.	88.50	90.00	86.50	1,239	1,170	1,298
Total 3 Species. .	--	--	--	262,189	228,870	227,905

1/ December 1, preceding year.

Data in the following table relate to the condition of the pastures and ranges near the first of each month and are expressed as a percentage of normal. Normal, in this case, equals 100. Since range grasses in Nevada are ordinarily not irrigated, the amount of grazing available each year is dependent upon snow melt in spring and infrequent showers during the summer and fall months. The table shows years of drought conditions which occurred in 1972, 1974, 1976, 1977, 1981, 1985, and again in 1986.

RANGE AND PASTURE CONDITION - FIRST OF MONTH, NEVADA, 1968-86

Year	April	May	June	July	August	September	October	November	December
1968	84	78	81	79	76	81	83	77	*
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			

* Data not available prior to 1972.
** Discontinued.

CATTLE ON FEED

Cattle and calves on feed for slaughter market on January 1, 1986 were estimated at 26,000 head--4 percent more 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, 1983-86

Item	1983	1984	1985	1986	1986 as % of 1985
	Thousand Head				Percent
Number on feed for slaughter market	23	27	25	26	104

CATTLE AND CALVES: INVENTORY, JANUARY 1, BY COUNTIES, NEVADA, 1981-86

COUNTY	1981	1982	1983	1984	1985	1986
	Number of Head					
Carson City	1,400	1,300	1,200	1,200	1,200	1,200
Churchill	68,000	77,000	78,000	75,000	68,000	65,000
Douglas	18,000	22,000	22,000	22,000	19,000	18,000
Humboldt	70,000	90,000	75,000	74,000	69,000	68,000
Lyon	53,000	60,000	60,000	59,000	51,000	48,000
Pershing	29,000	32,000	29,000	30,000	27,000	26,000
Storey	100	100	100	100	100	100
Washoe	36,000	38,000	34,000	34,000	32,000	33,000
District 1	275,500	320,400	299,300	295,300	267,300	259,300
Elko	195,000	210,000	195,000	190,000	180,000	178,000
Eureka	40,000	41,000	39,000	39,000	38,000	37,000
Lander	27,000	25,000	24,000	28,000	28,000	29,000
White Pine	31,000	32,000	30,000	32,000	31,000	30,000
District 3	293,000	308,000	288,000	289,000	277,000	274,000
Clark	14,000	13,000	10,000	17,000	17,000	16,000
Esmeralda	7,500	5,600	5,000	9,000	11,000	12,000
Lincoln	18,000	19,000	16,700	20,000	19,000	20,000
Mineral	4,000	4,000	4,000	4,700	4,700	4,700
Nye	28,000	30,000	27,000	25,000	24,000	24,000
District 8	71,500	71,600	62,700	75,700	75,700	76,700
Nevada	640,000	700,000	650,000	660,000	620,000	610,000

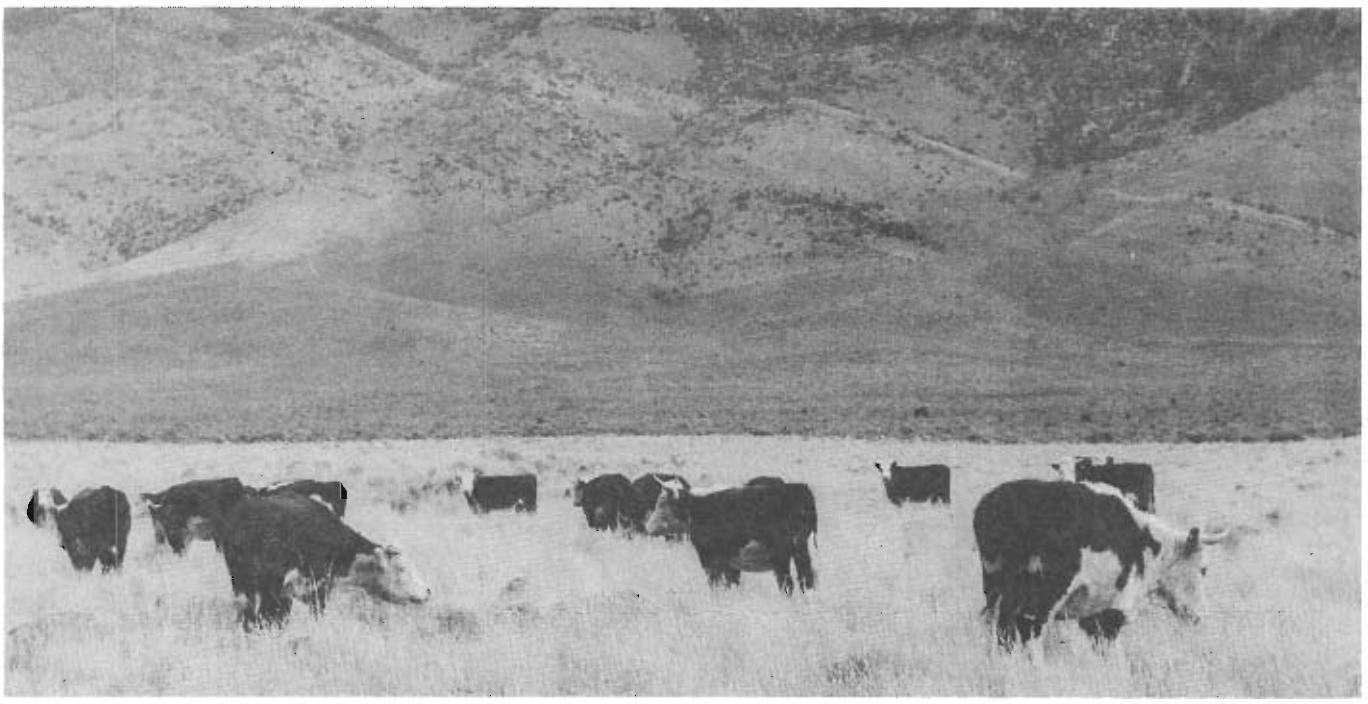
CATTLE AND CALVES: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1977-86

Year	All Cattle Jan. 1	Calves Born	Inship-ments	Marketings Cattle	Marketings Calves	Farm Slaughter	Deaths Cattle	Deaths Calves
	Thousand Head							
1977	611	250	44	170	117	5	11	17
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							

CATTLE AND CALVES: PRODUCTION AND INCOME, NEVADA, 1977-85

Year	Production	Marketings	Value of Production	Cash Receipts 1/	Value of Home Consumption	Gross Income
	Thousand Pounds		Thousand Dollars			
1977	171,535	214,437	61,462	76,553	2,265	78,818
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

1/ Receipts from marketings and sale of farm slaughter.



SHEEP AND LAMBS

Sheep and lamb inventories showed a decrease for the fifth consecutive year. At the present time, sheep and lamb numbers are less than one-tenth of the 1,340,000 head total which peaked 65 years ago. Wool production in 1985 is estimated at 796,000 pounds, grease basis. This is 5 percent below the 1984 production of 840,000 pounds. Sheep shorn and to be shorn during 1985, at 78,000 head, is 7 percent less than the number shorn last year. Fleece weight of 10.2 pounds per head is up slightly from the previous year.

Wool prices fluctuated considerably during the past decade ranging from 62 cents a pound in 1985 to 97 cents in 1981.

SHEEP AND LAMBS: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1977-86

Year	Sheep & Lambs Jan. 1	Lambs Saved	Inshipments	Marketings Sheep	Marketings Lambs	Farm Slaughter	Deaths Sheep	Deaths Lambs
	Thousand Head							
1977	133	96	69	7	130	3	10	23
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							

SHEEP AND LAMBS: PRODUCTION AND INCOME, NEVADA, 1977-85

Year	Production	Marketings	Value of Production	Cash Receipts 1/	Value of Home Consumption	Gross Income
	Thousand Pounds			Thousand Dollars		
1977	7,121	12,224	3,162	5,599	101	5,700
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

1/ Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: INVENTORY, JANUARY 1, BY COUNTIES, NEVADA, 1981-86

County	1981	1982	1983	1984	1985	1986
Carson City.	2,000	2,000	1,500	2,800	2,800	3,000
Churchill. .	2,000	2,000	1,500	2,000	4,000	4,000
Douglas. . .	9,000	8,000	6,000	9,000	9,000	7,000
Elko	39,000	40,000	37,000	34,000	31,000	22,000
Eureka . . .	9,000	7,000	5,000	3,000	3,000	4,000
Humboldt . .	6,000	5,000	4,000	5,000	5,000	4,000
Lander . . .	5,800	5,000	4,000	4,000	4,000	4,000
Lyon	15,000	14,000	13,000	10,000	9,000	6,000
Nye.	4,000	4,000	3,000	2,000	2,000	2,000
Pershing . .	12,000	13,000	10,000	11,000	11,000	7,000
Washoe . . .	4,000	3,500	2,500	1,500	1,500	3,000
White Pine .	25,000	25,000	22,000	18,000	17,000	14,000
All Other. .	1,200	500	500	700	700	1,000
State Total.	134,000	129,000	110,000	103,000	100,000	81,000

WOOL PRODUCTION AND VALUE, NEVADA, 1976-85

Year	Sheep Shorn	Weight Per Fleece	Wool Production	Price Per Pound	Value
	Thousand Head	Pounds	Thousand Lb.	Cents	Thou. Dol.
1976.	120	10.2	1,224	69	845
1977.	110	10.2	1,122	63	707
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

HOGS AND PIGS: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1977-86

Year	Hogs & Pigs Dec 1/	Pig Crop Dec-May 1/	Pig Crop Jun-Nov	Inshipments	Marketings	Farm Slaughter	Deaths
				Number of Head			
1977	8,000	7,700	7,500	100	12,700	900	700
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						

1/ December 1 of preceding year.

HOGS AND PIGS: PRODUCTION AND INCOME, NEVADA, 1977-85

Year	Production	Marketings	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	Thousand Pounds			Thousand Dollars		
1977	3,125	2,653	1,297	1,105	128	1,233
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

HONEY BEE COLONIES, HONEY AND BEESWAX PRODUCTION VALUE OF PRODUCTION, NEVADA, 1974-82

Year	Colonies	Pounds Honey Produced Per Colony	Pounds Honey Produced Total Thou. Pounds	Beeswax Produced Thousand Pounds	Value of Production Honey Dollars Per Pound	Value of Production Honey Total Thou. Dollars	Value of Production Beeswax Dollars Per Pound	Value of Production Beeswax Total Thous. Dollars	Honey Stocks Dec 15 Thousand Pounds
	Thousand								
1974	7	100	700	12	.502	551	1.23	15	35
1975	8	55	440	6	.580	255	1.10	7	132
1976	9	55	495	7	.533	264	1.15	8	20
1977	10	55	550	9	.572	315	1.75	16	193
1978	9	40	360	6	.602	217	1.85	11	108
1979	12	35	420	6	.603	253	1.89	11	105
1980	11	60	660	13	.720	475	1.67	22	231
1981	12	35	420	7	.750	315	1.90	13	88
1982	Discontinued								

LIVESTOCK SLAUGHTER

Total liveweight of animals slaughtered in Nevada's commercial slaughter plants decreased 16 percent during 1985. Declines occurred throughout the year. Cattle accounted for 6.9 million pounds or 88 percent of the total--the same as 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, 1981-85

Species and Year	Head	Liveweight		Species and Year	Head	Liveweight	
		Average	Total			Average	Total
	No.	Pounds	Thou. Lb.		No.	Pounds	Thou. Lb.
Cattle				Sheep & Lambs			
1981	5,100	1,063	5,450	1981	2,600	109	287
1982	4,900	1,109	5,434	1982	2,800	115	321
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
Calves				Hogs			
1981	100	301	29	1981	4,300	216	935
1982	100	386	19	1982	3,300	227	754
1983	---	---	--	1983	3,300	229	758
1984	100	374	34	1984	3,500	213	747
1985	---	---	--	1985	3,100	215	660

COMMERCIAL LIVESTOCK SLAUGHTER BY MONTHS, NEVADA, 1985 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.	Thou. Lb.
January	500	619	---	----	100	18	300	59	696
February	600	667	---	----	100	15	300	65	747
March	700	752	---	----	---	--	200	39	791
April	600	641	---	----	100	16	200	39	696
May	600	588	---	----	300	39	500	105	732
June	400	438	---	----	300	30	200	52	520
July	500	488	---	----	300	38	300	57	583
August	500	471	---	----	300	34	200	49	554
September	500	503	---	----	300	38	200	41	582
October	500	580	---	----	200	20	300	53	653
November	600	600	---	----	200	16	300	57	673
December	500	523	---	----	100	14	200	44	581
Total	6,400	6,870	100	27	2,500	284	3,100	660	7,841

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

DAIRY SUMMARY

Milk produced on Nevada's farms and ranches during 1985 was estimated at 266 million pounds--up 6 percent from a year earlier.

Of the 266 million pounds produced 261 million pounds (milk equivalent for cream included) was marketed and the remaining 5 million pounds was utilized on farms and ranches where produced. Cash receipts for milk and cream marketings totaled $33.4 million, up 1 percent from 1984. Producers received an average $12.80 per cwt. for fluid milk marketed in 1985 compared with $13.50 in 1984.

Ice cream production in 1985 totaled 1,472,000 gallons--down slightly from a year earlier. Ice milk production, at the 1,650,000 gallon level, was up 11 percent and sherbet at 85,000 gallons was up 1 percent from the 1984 output.

MILK: PRODUCTION, FARM VALUE, UTILIZATION, AND MARKETING RECEIPTS
NEVADA, 1976-85

	MILK					
			Utilization		Marketing Receipts	
Year	Production	Value of Production	Farm Uses	Sold 1/	Per Lb. Milk Fat	Cash Receipts
	Mil. Lbs.	Thou. Dols.	Million Pounds		Dollars	Thou. Dols.
1976	191	18,221	5	186	2.70	17,738
1977	198	19,404	5	193	2.83	18,906
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

1/ Milk equivalent of cream sold.

MILK: COWS MILKED, PRODUCTION PER COW, TOTAL PRODUCTION
NEVADA, BY QUARTER, 1983-85

	Cows Milked 1/			Milk Per Cow 2/			Milk Production 2/		
Quarter	1983	1984	1985	1983	1984	1985	1983	1984	1985
	Thousands			Pounds			Million Pounds		
Jan-Mar	16.4	17.5	18.5	3,460	3,455	3,345	56.7	60.5	61.9
Apr-Jun	16.6	17.7	18.7	3,730	3,665	3,625	61.9	64.9	67.8
Jul-Sep	16.8	17.9	18.9	3,550	3,565	3,700	59.7	63.8	69.9
Oct-Dec	17.0	18.0	19.0	3,450	3,435	3,495	58.7	61.8	66.4
Annual	16.7	17.8	18.8	14,192	14,101	14,149	237.0	251.0	266.0

1/ Excludes heifers not yet fresh.
2/ Excludes milk sucked by calves.

ALL MILK PRICE: VALUE OF CONCENTRATE RATIONS FED TO MILK COWS, AND MILK-FEED PRICE RATIONS, BY MONTHS, NEVADA, 1983-85

Month	All Milk Price Per Cwt.			Value of 100 Pounds of Concentrate Rations Fed			Milk Feed Price Ratios		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
	Dollars			Dollars			Numbers		
January	13.70	14.00	14.00	7.30	8.00	8.00	1.88	1.75	1.75
February	13.70	13.65	13.75	7.40	7.90	8.00	1.85	1.73	1.72
March	13.50	13.60	13.45	7.50	7.90	8.00	1.80	1.72	1.68
April	13.25	13.45	13.00	7.80	7.90	8.00	1.70	1.70	1.63
May	13.10	13.10	12.65	7.70	8.10	8.00	1.70	1.62	1.58
June	13.00	13.00	12.35	7.60	8.30	8.00	1.71	1.57	1.54
July	13.00	12.70	12.30	7.50	8.50	8.00	1.73	1.49	1.54
August	12.90	13.15	12.15	7.70	8.30	8.00	1.68	1.58	1.52
September	13.15	13.45	12.70	7.90	8.10	8.00	1.66	1.66	1.59
October	13.60	13.60	12.40	8.00	8.00	8.00	1.70	1.70	1.55
November	13.75	14.00	12.60	8.00	8.00	7.75	1.72	1.75	1.63
December	13.95	14.10	12.65	8.00	8.00	7.50	1.74	1.76	1.69
Annual	13.40	13.50	12.80	7.72	8.06	7.92	1.74	1.67	1.62

AVERAGE FAT TEST OF MILK SOLD BY FARMERS AND QUANTITIES OF DAIRY PRODUCTS MANUFACTURED, BY MONTHS, NEVADA, 1983-85

Month	Fat Test Of Milk Sold			Dairy Products Manufactured 1/					
				Ice Cream 2/			Ice Milk 2/		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
	Percent			Thousand Gallons					
January	3.73	3.72	3.81	87	100	113	82	88	104
February	3.70	3.64	3.74	95	115	109	85	101	100
March	3.63	3.61	3.68	115	129	125	100	113	127
April	3.52	3.56	3.62	98	114	134	111	116	133
May	3.43	3.45	3.52	120	130	133	128	130	157
June	3.40	3.40	3.46	140	132	141	136	140	153
July	3.35	3.32	3.43	130	160	152	137	160	173
August	3.34	3.43	3.50	144	153	138	144	156	164
September	3.41	3.53	3.63	122	119	112	134	122	131
October	3.49	3.72	3.71	108	122	119	121	119	127
November	3.62	3.82	3.78	99	107	101	78	121	131
December	3.69	3.85	3.81	87	92	95	81	117	150
Annual	3.52	3.57	3.64	1,345	1,473	1,472	1,337	1,483	1,650

1/ Sherbet production on annual basis: 1983-82,000 gallons; 1984-84,000 gallons; 1985-85,000 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, 1984-85

County	1984			1985		
	Milk Cows	Milk Per Cow	Milk Production	Milk Cows	Milk Per Cow	Milk Production
	No.	Lb.	Million Lb.	No.	Lb.	Million Lb.
Churchill	5,800	14,500	84.1	6,100	14,100	86.0
Clark	6,600	13,400	88.4	6,800	13,800	93.8
Douglas	2,300	14,600	33.6	2,600	15,000	39.0
Lyon	1,600	15,100	24.2	1,800	14,900	26.8
Washoe	700	13,900	9.7	600	14,000	8.4
All Others	800	13,700	11.0	900	13,300	12.0
State Total	17,800	14,101	251.0	18,800	14,149	266.0

CHICKEN AND EGGS

Total chickens on Nevada farms and ranches were estimated at 17,000 birds on December 1, 1985. This was unchanged from a year earlier but 31 percent above the December 1, 1983 level. Of the total chickens, 12,000 birds were of laying age on December 1, 1985.

Total value of chickens in Nevada on December 1, 1985 came to $44,000 which was down 4 percent from a year earlier. Value per bird, at $2.60, was down 10 cents from a year ago.

CHICKENS ON FARMS, DECEMBER 1, 1983-85 1/

Species	Nevada				United States			
	1983	1984	1985	85 as % of 84	1983	1984	1985	85 as % of 84
	Thousand Head			Percent	Thousand Head			Percent
Total Chickens	13	17	17	100	364,880	374,008	368,248	98
Laying Age .	10	12	12	100	278,517	285,848	279,769	98
Hens. . . .	8	9	10	111	132,674	119,243	130,623	110
Pullets . .	2	3	2	67	145,843	166,605	149,146	90
All Others. .	3	5	5	100	86,363	88,160	88,479	100

1/ Excludes Commercial Broilers.

VALUE OF CHICKENS ON FARMS, DECEMBER 1, 1983-85 1/

Value	Nevada			United States		
	1983	1984	1985	1983	1984	1985
Per Head . . .	2.55	2.70	2.60	1.96	2.02	1.90
Total Thou. Dol	33	46	44	716,700	754,312	699,715

1/ Excludes Commercial Broilers.

EGG PRODUCTION: NUMBER OF LAYERS, EGGS PER LAYER AND TOTAL PRODUCTION, BY QUARTERS, NEVADA, 1983-85

Quarter	Layers			Eggs Per 100 Layers 1/			Total Production		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
	Thousands			Number			Thousands		
Dec. 2/ - Feb	10.0	10.0	12.0	3,600	4,095	3,825	360	410	459
March - May	10.0	11.0	12.0	4,600	5,060	4,600	460	557	552
June - Aug	10.0	12.0	12.0	5,060	5,520	5,290	506	662	635
Sept - Nov	10.0	12.0	12.0	4,095	4,778	4,550	410	573	546
Total 3/. .	10.0	11.3	12.0	174	195	183	1,736	2,202	2,192

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, 1983-85

Year	Eggs Produced	Home Consumption	Eggs Sold	Price Per Dozen	Cash Receipts	Value of Home Consumption	Gross Income
	Million Eggs			Cents	Thousand Dollars		
1983 .	1.8	.8	1.0	47.9	40	32	72
1984 .	2.3	.8	1.5	49.2	62	33	95
1985 .	2.2	4/	4/	42.5	4/	4/	78

4/ Discontinued after 1984.

NEVADA STATE DEPARTMENT OF AGRICULTURE
1985 AERIAL AND GROUND PEST CONTROL SUMMARY

This summary was compiled from information contained in mandatory monthly reports submitted to this Department by the 1985 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) 1985

ALFALFA HAY
(67,262 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	2,4-DB	3 PT	208
	"	4 PT	145
Broadleaf Weeds/Grasses	Velpar (Hexazinone)	1.5 PT	60
		2 PT	210
		3 PT	536.1
		1 QT	670
		2 QT	64
	Velpar*L	2 PT	640
		3 PT	3094
		2 QT	186
	Sencor 4 (Metribuzin)	1 PT	2057
	Sim-Trol 4L (Simazine)	1.5 PT	105
		1.6 PT	75
	2,4-DB	2 PT	240
	Gramoxone (Paraquat)	2 PT	726.4
	Treflan (Trifluralin)	2 PT	65
Winter Annuals	Paraquat	2 PT	165
	Sencor (Metribuzin)	3/4 PT	2128
	Amine 4-D (2,4-D)	1 QT	320
	2,4-DB	2 QT	30
Foliar Feed	Stoller Como	1.5 PT	90
Alfalfa Removal	Low Volume 4-24D	1.5 PT	160
	DMA 2,4-D	2 PT	100
		1 QT	980
Alfalfa Weevil	Thimet 20G (Phorate)	7.5	120
		9.0	994
	Thimet 15-G	9.0	600
	Parathion	1/3 PT	1472
	Parathion 4E	1/2 PT	642.5
		3/4 PT	160
	Parathion 5	1 PT	32
		1/2 PT	155
	Parathion 8	1/3 PT	42
		1/2 PT	480
	Furadan (Carbofuran)	1/2 PT	135
Alfalfa Weevil	Furadan (Carbofuran)	3/4 PT	710
		1 PT	2710
		6 OZ	114
	Sevimol 4-AG (Carbaryl)	1 QT	115

ALFALFA HAY, cont.

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Alfalfa Weevil	Chem Cythion 5E (Malathion)	1.5 PT	205
	Diazinon	1.9 PT	200
	Dibrom 8 (Naled)	1 PT	130
	Methyl Parathion 4E	6 OZ	32
		3/4 PT	1245
	Lorsban 4 (Chloropyrifos)	1 PT	273
Spotted Alfalfa Aphid	Thiosulfan (Endosulfan)	1 PT	120
Aphids	Cygon 400 (Dimethoate)	1 PT	689
		1.5 PT	2953
	Parathion 8E	6 OZ	420
		1 PT	589
	Furadan (Carbofuran)	1 PT	135
	Malathion	1 PT	240
		1.5 PT	40
	Phosdrin (Mevinphos)	3/4 PT	485
		1 PT	240
	Clean Crop	1/2 PT	110
		1 PT	276
	Systox 6	1/6 PT	713
	Endocide 3	1 PT	60
	Thiodan 3EC (Endosulfan)	1 PT	461
	Vegethion 4S	3/4 PT	240
Alfalfa Weevil/Aphid	Furadan 4F/Parathion 8E	8 OZ/8 OZ	2208
	Furadan 4F/(Carbofuran)	8 OZ/1 PT	2498
	Cygon 400/(Dimethoate)	8 OZ/1.5 PT	12004
Weevil/Aphid	Furadan 4F/Cygon 400	1 PT/3/4 PT	7942
		1 PT/1/2 PT	163
		1 PT/2/3 PT	170
		1/2 PT/1/2 PT	50
		3/4 PT/1 PT	1435
		3/4 PT/3/4 PT	18
	Parathion 8E	8 OZ	715
	Furadan (Carbofuran)	1/2 PT	290
		8 OZ	38
	Systox	2.5 OZ	160
	Methyl Parathion	12 OZ	738
	Supracide 2E	3 PT	44
Lygus Bugs	Phosdrin 4 (Mevinphos)	3/4 PT	92
	Endocide 3EC	1 PT	195
Lygus Bugs/Grasshoppers/ Aphids	Clean Crop Vegethion	1/2 PT	155
		3/4 PT	145
Grasshoppers	Thiodan (Endosulfan)	1.5 PT	180
	Parathion	1/4 PT	350
Border Alfalfa	Parathion	3/4 PT	260
		6 OZ	300
		9.5 OZ	202
	Cythion (Malathion)	1.5 PT	4085
		2 PT	52

ALFALFA HAY, cont.

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Border Alfalfa	Cythion (Malathion)	2 PT	52
	Vegethion 4S	1/2 PT	300
	Methyl Parathion	1 PT	320
Spider Mites	Parathion 5	1/2 PT	241

ALFALFA SEED
(41,211 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds/Grasses	Velpar L (Hexazionone)	1 QT	330
		1.5 QT	75
	Sinbar (Terbacil)	1 LB	85
	Kerb 50-W	3 LB	79
	Gramoxone (Paraquat)	1 QT	150
	Eptam 10G	30 LB	70
	Butoxone (2,4-DB)	3 PT	1002
	Butoxone (Ester) (2,4-DB)	4 PT	30
	PPG Furloe CIPC	20 LB	1447
Dodder	Furloe CIPC	15 LB	602
		20 LB	7309
		23 LB	55
		25 LB	452
		30 LB	1035
Wild Oats	Paraquat	2 PT	70
Volunteer Grain	Chem Hoe (IPC)	4 QT	64
Defoliant	Dinitro 5B (Dinoseb)	3 PT	1245
		1 GAL	1050
	Dinitro Oil	2 QT	76
		3 QT	275
		4 QT	226
	Desicate (Endothall)	1 1/2 GAL	40
		5 QT	619
	Contact	3 QT	967
	Diquat	3 PT	75
	Diquat/Dinitro	1 PT/1 GAL	380
Alfalfa Weevil	Furadan (Carbofuran)	1 QT	2767
	Dimethoate 267	1 1/2 PT	265
	Methyl Parathion	1/2 PT	500
Aphids	Disyston 6	1/3 PT	1433
	Systox 6	1/3 PT	977
		1 PT	430
	Piramor ICA	1/3 LB	127
		5 1/3 OZ	790
		5 3/4 OZ	206
		6 OZ	739
Aphids	Endocide 3EC	1 PT	100
		1 1/2 PT	350
Lygus Bugs	Supracide 2E	3 PT	1433
		2 QT	40
	Phosdrin	1 PT	575
		3 PT	196

ALFALFA SEED, cont.

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Lygus Bugs	Thiosulfan 3EC	1 1/2 PT	40
	(Endosulfan)	3 PT	600
	Dibrom 8	1 PT	1242
		1 1/2 PT	50
	Dylox	1 1/2 LB	345
	Supracide 2E/Systox 6	3 PT/1/3 PT	209
	Clean Crop	1 PT	460
Aphid/Lygus Bugs	Dimethoate 267	1 1/2 PT	265
	Metasystox R	1 QT	160
	Dibrom 8 (Naled)	1 PT	330
	Phosdrin (Mevinphos)	3/4 PT	230
	Supracide 2E/Systox 6	3 PT/1/3 PT	200
		3 PT/1 PT	985
	Metasystox R/Endocide 3 EC	1 QT/1 QT	265
	Malathion/Systox	1 1/2 PT/1 PT	929
	Systox/Dylox	1 PT/1 1/2 LB	400
		1/3 PT/1 1/4 LB	85
		1/3 PT/1 1/2 LB	286
	Phosdrin/Thiosulfan	1 PT/2 PT	80
	Thiosulfan (Endosulfan)	1 1/2 PT	535
Aphids/Mites	Piramor 50W/Comite	6 OZ/6 OZ	140
	Endocide 3EC/Comite	1 1/2 PT/1 QT	235
Aphids/Lygus/Mites	Kelthane/Metasystox R	2 QT/1 QT	90
Grasshoppers	Malathion 57EC	3 PT	180
		1 QT	80
Mites	Comite	2 PT	3436
Aphids/Lygus/Mites/ Grasshoppers	Endocide/Vegethion/ Comite	1 QT/1/2 PT/1 QT	153
Aphids/Mites/Grasshoppers	Malathion 57 EC/Systox 2	3 PT/1 PT	60
	Vegethion	3/4 PT	135
Aphids/Grasshoppers	Endocide 3EC/Malathion 55	1 PT/1 PT	30
		1 PT/1 QT	80
		1 1/2 PT/1 QT	20

BARLEY
(9,788 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	2,4-D	1 PT	1257
		1 1/2 PT	220
		2 PT	1661
		1 QT	1816
	Weedone LV4 (2,4-D)	1 PT	159
	Amine 4-D	1 1/2 PT	480
		1 1/3 PT	702
		1 QT	407
	MCPA Sodium Salt	1 1/3 PT	40
Aphids	Parathion 5	1/2 PT	1491
		.94 PT	170
	Parathion Aqua 8	6 OZ	40

BARLEY, cont.

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Aphids	Systox 6	1/3 PT	36
	Malathion	1 1/2 PT	39
		2 PT	60
Grasshoppers	Parathion 5	1/2 PT	290
		3/4 PT	60
		1 PT	560
	Parathion 8E	6 OZ	300

CARROT SEED
(25 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Defoliant	Des-I-Cate (Endothall)	1 1/2 GAL	25

CLOVER
(26 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Aphid	Systox 6	1 PT	26

CORN
(464 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	2,4-D	1/2 PT	30
		2/3 PT	70
		3/4 PT	100
		1 1/2 PT	242
	Weedone LV4 (2,4-D)	1 PT	22

FALLOW CROPLAND
(344 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds/Grasses	Roundup (Glyphosate)	2 QT	40
	Eptam (EPTC)	2 1/2 PT	42
	Dinitro	5 PT	262

DITCH BANKS
(7,600 ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Mosquito Larvae	Para 8	1.5 OZ	2800
	Baytex 4	1.5 OZ	4800

ELM TREES
(26 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Elm Leaf Beetles	Sevin 80 (Carbaryl)	1 1/4 LB	26

GARLIC
(903 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	Buctril (Bromoxynil)	3 PT	225
General Weeds/Grasses	Poast	1 1/2 PT	85
	Paraquat	6 OZ	40
Winter Annuals	Paraquat	3 PT	428
Aphids	Parathion	8 OZ	55
Thrips	Parathion	6 OZ	70

GRAIN
(3,344 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	2,4-D LV-6	6 OZ	2597
		1/2 PT	45
	2,4-D Amine	12 OZ	405
Aphids	Parathion	12 OZ	17
	Methyl Parathion	12 OZ	280

LETTUCE
(297 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
General	Kerb (Pronamide)	2 LB	165
Loopers	Thuricide	1 1/2 PT	30
		1 3/4 QT	18
Aphids	Monitor 4	1 PT	20
	Systox	1/3 PT	64

MEADOWS
(80 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Grasshoppers	Parathion	1/2 PT	92

MINT
(2,350 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
General Weeds	Sinbar (Terbacil)	1/2 PT	92
		1/2 LB	140
		1 LB	40

MINT, cont.

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Desprout	Super Sprout Stop	1 GAL	1228
Blight	Man Zox (Maneb)	1 1/2 QT	140
		1 QT	102
Loopers	Javelin	1 1/2 PT	51
Loopers/Grasshoppers	Malathion	1 1/2 PT	240
Grasshoppers	Malathion	1 PT	40
Mites	Comite	2 PT	102
		2 1/2 PT	175

MOSQUITO CONTROL
(53,180 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Larvae	Parathion	1.6 OZ	700
	Baytex	1.2 OZ	2450
		1.4 OZ	3610
		1.5 OZ	4500
	Malathion	1/2 LB	9700
	GB 1310 Oil	4 GAL	100
	Malathion/Baytex	1/2 LB/.4 OZ	1920
	Scourge	.00175 LB	30,200

NON-CROPLAND
(335 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Flies	Malathion	1 PT	35
Grasshoppers	Parathion	6 OZ	300

OATS
(458 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	Weedonel LV4	1 PT	315
	2,4-D	1 1/2 PT	33
	MCPA	1 PT	110

ONIONS
(365 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
General Weeds	Dacthal W-75	4 LB	80
Desprout	MH 30	3 1/3 LB	30
Thrips	Parathion	6 OZ	67
	Methyl Parathion	8 OZ	50
		1 PT	75
Thrips/Mites	Parathion	6 OZ	47
Grasshopper	Malathion	1 PT	15

PASTURELAND
(13,700 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Brush	Clean Crop	1/2 GAL	3120
Willows	2,4-D	1/2 GAL	30
Mosquitos	Malathion ULV	3 OZ	9650
	5 EC	1 PT	900

PEAS
(7,460 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Mosquito Larvae	Baytex 4	1.5 OZ	1400
	Parathion	1.6 OZ	6060

POTATOES
(31,519 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
General Weeds	Sencor	1 PT	184
	Prowl (Pendimethalin)	2 PT	437.1
		3 PT	2372
		2 QT	437.1
	Dual 8E (Metolachlor)	1 PT/2 PT	4073
		1 1/2 PT/1 PT	442
		1 PT/1 QT	1496
	Lexone DF	1/2 LB	250
		3/4 LB	160
Growth Regulator	MH30	5 LB	295
Defoliant	Contact	5 PT	160
		3 QT	515
	Dinitro & Oil	4 PT	203
	Des-I-Cate	4.36 QT	82.5
	Dynamyte 5	3 PT	55.6
	Vertac	3 PT	376
Nematodes	Mo Cap (Ethoprop)	60 LB	113
Army Worms	Methyl Parathion	1 QT	50
		1 1/2 QT	60
Aphids	Javelin	1 QT	100
	Monitor (Methamidophos)	1 1/2 PT	250
	Thiodan	1 QT	841
	Methyl Parathion	12 OZ	60
Loopers	Thiosulfan	2 PT	140
	Manex/Monitor 4 (Maneb/Methomidophos)	1.6 QT/2 PT	60
Loopers/Army Worms	Dipel/Parathion	3/4 LB/6 OZ	56
Blight	Brave (Chlorothalonil)	1.5 PT	446
		2 PT	1182
		1 QT	588
	Manex	1 QT	9904
		1 1/2 QT	155

POTATOES, cont.

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Blight	Manzate	1 1/2 QT	115
	Manex/Supertine	1 QT/4 OZ	80
Blight/Insects	Manex/Thiodan	1 QT/1 QT	4217
	Manex/Endocide	1 QT/1 QT	443
Blight/Loopers	Monitor 4/Bravo	1 1/2 PT/1 QT	437

RANGELAND
(220 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Grasshoppers	Vegethion	1/2 PT	40
	Malathion	1 QT	180

WHEAT
(14,345 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Mustard	2,4-D	3/4 PT	129
		1 PT	12
	2,4-D Amine	1 PT	300
	2,4-D (Weedar)	2 PT	180
	Cytrol/Amitrol T	1 PT	300
Wild Oats	Hoelon	1 QT	45
General Weeds	3+3 Brominal (Bromoxynil)	1 PT	70
	2,4-D	1/2 PT	404
		1 PT	1455
		1 QT	2104
	2,4-DB	3 PT	260
Broadleaf Weeds	2,4-D	1 1/2 PT	1239
	MCPA	1 PT	120
	Dacamine 360 D	1 1/2 PT	200
Broadleaf Weeds/Aphids	Parathion 4E/2,4-D	3/4 PT/1 PT	289
Broadleaf Weeds/Aphids	Dacamine/Endocide	1 1/2 PT/1 QT	320
Aphids	Parathion	1/4 PT	860
		1/2 PT	180
		3/4 PT	181
	Systox	1/3 PT	1983
		1 PT	305
Grasshoppers	Parathion	2/3 PT	2100
		10 OZ	620
		1/4 PT	15
	Vegethion	3/4 PT	49
Grasshoppers/Blight	Parathion/Manex	.85 PT/1 QT	560
Lygus	Endocide 3 EC	1 PT	65

PESTICIDE USE (Ground Application) 1985

ALFALFA HAY
(8,098 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	2,4-DB	3 PT	110
		3 1/4 PT	60
Winter Annuals	Kerb	2 LB	40
	Paraquat	3 PT	645
	Simazine	1 1/2 PT	530
	Velpar L	3 PT	610
		3 1/2 PT	33
		4 PT	190
		3/4 LB	100
		1 LB	250
		1 1/2 LB	530

DITCHES
(72 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	Paraquat	1 QT	44
	2,4-D	2 QT	20
	2,4-D/Banvel	1 PT	8

FALLOW
(306 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
General Weeds	Round Up	4 PT	306

GRAIN
(1,870 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	2,4-D Amine	1 PT	283
		1 1/4 PT	50
		1 1/3 PT	310
		1 1/2 PT	880
		2 PT	92
	2,4-D Ester	1 1/4 PT	121
		1 1/2 PT	134

LETTUCE
(30 TOTAL ACRES TREATED)

PEST OR USE	CHEMCIAL	RATE/ACRE	ACRES
Broadleaf Weeds/Grasses	Treflan	1 PT	30

MINT
(264 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Broadleaf Weeds	Buctril	1 PT	73
Grasses	Moract	1 QT	73
	Terbacil	1 LB	118

POTATOES

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Desprout	Sprout Nip	113 GAL	Potatoe Storage Shed
	CIPC	1 GAL	16,800 CWT
	Decco-273	188 GAL	16,800 CWT
Nematodes	Ethoprop	1 GAL	60 CWT

RAILROAD RIGHT-OF-WAYS
(1,106 TOTAL ACRES TREATED)

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
General Weeds	Arsnel/No Foam	3/8 GAL/1 QT	759.78
	Activator	3.94 GAL/ 29.53 GAL	78.75
		49.22 GAL/ 6.56 GAL	131.25
	Karmex/No Foam	.180 LB/2.5 GAL	36
	Dust	2 LB	16.2
		4 LB	15.5
	Spike 80W/No Foam	2 LB/.08 OZ	1
		15 LB/.75 OZ	16.2
		31 LB/1.6 OZ	15.5
	2,4-D Amine	12	36

SUB ASPHALT

PEST OR USE	CHEMICAL	RATE/ACRE	ACRES
Weeds	Karmex	10 LB	30
		11 LB	55.6