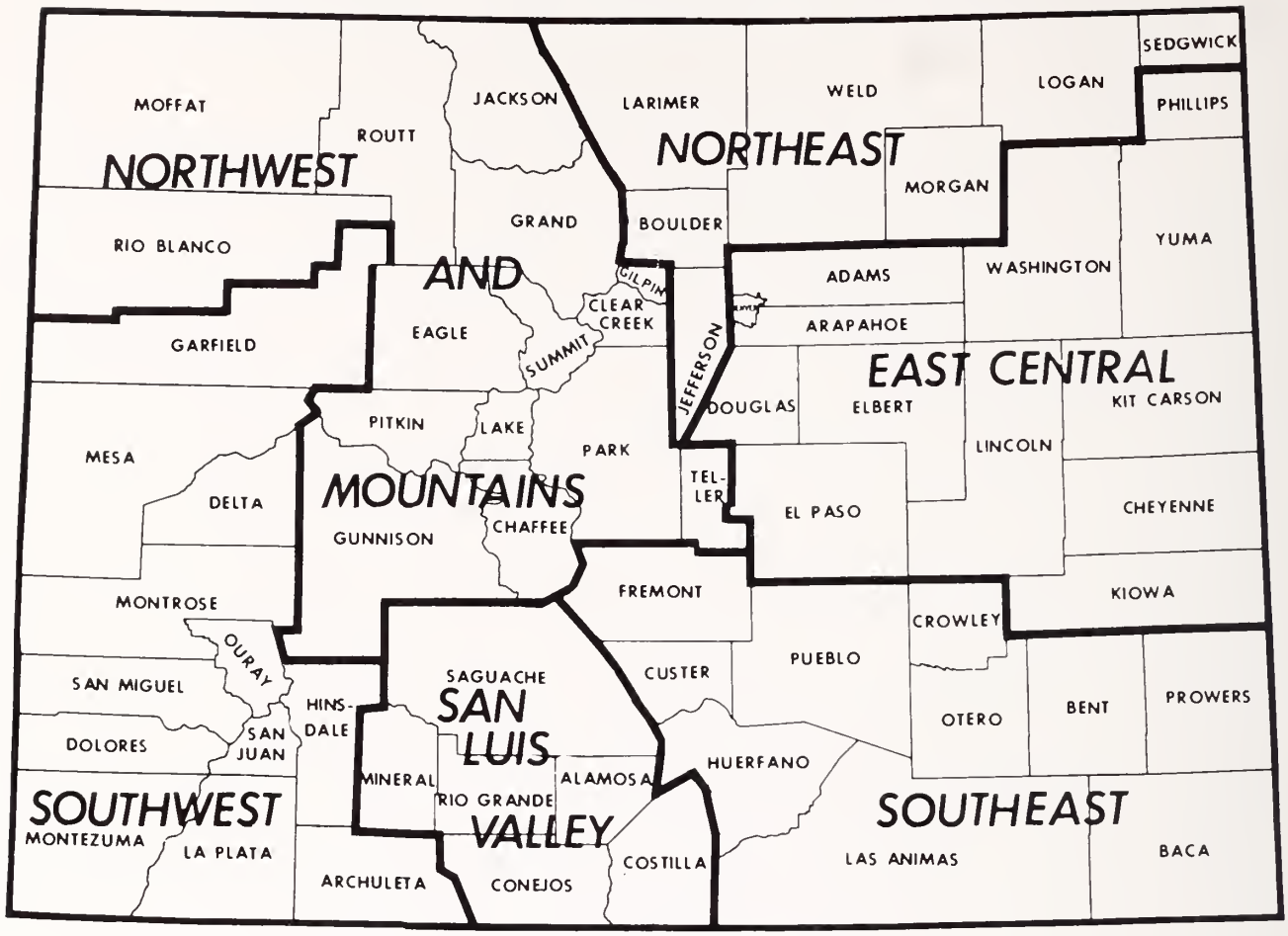
COLORADO AGRICULTURAL STATISTICS 1991

COLORADO CROP REPORTING DISTRICTS



COLORADO

The Centennial State, admitted to the Union in 1876, is the eighth largest state in area and has the highest average elevation. The highest point is at Mount Elbert, 14,433 feet above sea level, one of the 53 "fourteeners" rising above 14,000 feet. The lowest elevation is 3,350 feet in extreme eastern Prowers County.

Approximate Land Area: 66.3 Million Acres (104,687 Square Miles)
Approximate Cropland Area: 11.0 Million Acres
Approximate Irrigated Area: 3.0 Million Acres
Number of Farms and Ranches (1990): 26,500
Land In Farms and Ranches (1990): 33.1 Million Acres
Average Size of Farm and Ranch (1990): 1,249 Acres

Farms By Type		Farms By Tenure		Farms By Class	
83%	Individual	54%	Full Owners	59%	Livestock & Poultry
11%	Partnership	31%	Part owners	41%	Crops
5%	Corporate	15%	Tenants		
1%	Other				

Farm Marketing Receipts (1989):	$3,894.4	Million	
Livestock & Livestock Products:	2,649.0	Million	68.0%
Field, Fruit, & Vegetable Crops:	1,245.4	Million	32.0%

COLORADO

AGRICULTURAL STATISTICS

1990 PRELIMINARY

1989 REVISED

Prepared and Published by

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STEVEN W. HORN, Commissioner

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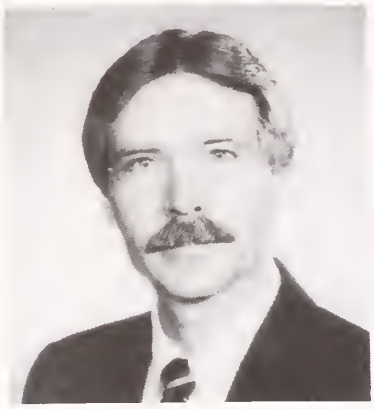

July, 1991

I am pleased to offer this 1991 edition of the Colorado Agricultural Statistics bulletin. The annual bulletin symbolizes the cooperative effort among the Colorado Agricultural Statistics Service and the Colorado Department of Agriculture to provide accurate and comprehensive statistics on all aspects of the industry.

Colorado is fortunate to have an agricultural industry so diversified and productive. The statistics published in this bulletin are a necessary component to the entire farm and food sector of the state's economy. Colorado's producers, handlers, and processors are competing in a global marketplace, and these statistics will enable Colorado's agricultural industry to meet the demands of this dynamic market.

Once again, the Annual Report of the Colorado Department of Agriculture is included in this bulletin. The report outlines the wide array of services the department offers to the industry and to the consuming public. Please take a few minutes to look it over as you familiarize yourself with the contents and format of the bulletin.

I would like to also express my appreciation to the Colorado Corn Administrative Committee and the corn growers of Colorado for their assistance in making this bulletin as attractive as it is comprehensive.

Sincerely,

Steven W. Horn

Steven W. Horn
Commissioner

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Rank in Agriculture: Colorado's rank among states, 1990

Commodity	Unit	Colorado		Leading State		United States total
		Rank	Production	State	Production	
FIELD CROPS:						
Barley	1,000 bu.	7	12,000	North Dakota	129,850	418,856
Beans, dry edible	1,000 cwt.	4	4,275	Michigan	5,445	32,429
Corn, grain	1,000 bu.	13	128,650	Iowa	1,562,400	7,933,068
Corn, silage	1,000 tons	10	2,633	Wisconsin	9,380	86,844
Hay, all	1,000 tons	18	3,805	Wisconsin	9,120	146,985
Hay, alfalfa	1,000 tons	13	2,590	Wisconsin	8,400	83,555
Hay, other	1,000 tons	17	1,215	Texas	7,600	63,430
Oats	1,000 bu.	22	2,250	South Dakota	53,200	357,149
Potatoes, all	1,000 cwt.	3	24,032	Idaho	112,340	393,867
Potatoes, fall	1,000 cwt.	5	22,100	Idaho	112,340	344,317
Potatoes, summer	1,000 cwt.	6	1,932	New Mexico	3,400	23,044
Rye	1,000 bu.	21	84	South Dakota	1,870	10,098
Sorghum, grain	1,000 bu.	9	10,340	Kansas	184,800	571,483
Sorghum, silage	1,000 tons	4	260	South Dakota	1,400	5,480
Sugar beets	1,000 tons	10	944	Minnesota	5,387	27,593
Wheat, all 1/	1,000 bu.	11	86,950	Kansas	472,000	2,738,594
Wheat, spring 2/	1,000 bu.	8	2,800	North Dakota	277,200	583,124
Wheat, winter	1,000 bu.	8	84,150	Kansas	472,000	2,033,299
VEGETABLES: 3/						
Carrots	1,000 cwt.	9	449	California	17,328	28,914
Corn, sweet	1,000 cwt.	9	462	Florida	5,797	16,063
Cucumbers (P)	Tons	10	7,940	Michigan	141,600	656,510
Lettuce	1,000 cwt.	4	1,020	California	51,675	68,866
Onions (storage only)	1,000 cwt.	2	5,130	Oregon	6,865	28,523
Tomatoes (P)	Tons	8	2,390	California	9,306,200	10,347,650
FRUITS:						
Apples	Mil lbs.	23	35	Washington	4,700	9,525
Cherries, tart	Mil lbs.	7	1	Michigan	160	209
Peaches	Mil lbs.	11	17	California	1,584	2,205
Pears	Tons	7	2,500	Washington	372,000	958,800
LIVESTOCK: 4/						
All cattle & calves	1,000 head	10	2,800	Texas	13,400	99,436
All cows 5/	1,000 head	20	850	Texas	5,750	43,779
Beef cows 5/	1,000 head	16	773	Texas	5,360	33,620
Milk cows 5/	1,000 head	33	77	Wisconsin	1,765	10,159
Milk production, 1990	Mil lbs.	28	1,323	Wisconsin	24,400	148,284
Calf crop, 1990	1,000 head	17	830	Texas	5,000	39,879
Cattle on feed 6/	1,000 head	5	1,005	Texas	2,330	12,742
Fed cattle marketings 7/	1,000 head	4	2,195	Nebraska	5,000	22,561
All sheep & lambs	1,000 head	4	710	Texas	2,000	11,200
Stock sheep & lambs	1,000 head	7	460	Texas	1,820	9,471
Lamb crop, 1990	1,000 head	8	425	Texas	1,150	7,704
Sheep & lambs on feed 6/	1,000 head	2	250	California	280	1,730
Wool production, 1990	1,000 lbs.	5	5,698	Texas	17,400	88,277
All hogs & pigs	1,000 head	22	300	Iowa	14,000	54,562
Pig crop, 1990	1,000 head	21	481	Iowa	21,937	90,088
All chickens	1,000 head	26	4,372	California	34,500	351,775
Hens & pullets 8/	1,000 head	24	3,387	California	29,000	271,631
Egg production, 1990	Million	27	788	California	7,472	67,832
MISCELLANEOUS:						
Farms, 1990	Number	30	26,500	Texas	186,000	2,143,150
Land in farms	1,000 acres	11	33,100	Texas	132,000	987,721
Average size of farm	Acres	8	1,249	Arizona	4,615	461

1/ Includes Durum wheat.
2/ Excludes Durum wheat.
3/ Fresh market except where noted as processing (P).
4/ Inventory January 1, 1991 for cattle and sheep; December 1, 1990 for hogs and chickens.
5/ Cows and heifers that have calved.
6/ As of 1/1/91.
7/ 13 major feeding states.
8/ Hens and pullets of laying age.

CROP AND LIVESTOCK INDEXES

Production indexes are used to measure year-to-year changes in the gross output and to compare the overall level of production with a base period. The base year for the Colorado production index is consistent with the national level for production and price indexes.

For each year, the production for each commodity is multiplied by its 1977 season average price to obtain a value of production. These values are totaled by subgroups and groups which are divided by the comparable 1977 values to obtain the percent each year is of the base period. By using a constant per-unit value for each commodity throughout the series, changes in the index reflect the actual changes in production of the commodities from year to year as well as the change in production compared with the base period.

Colorado Production Index, 1974-90
(1977 = 100)

	All farm products	Livestock and livstock products				Crops							
		All lvstk products	Meat animals	Dairy products	Poultry & eggs	All crops	Food grains	Feed grains	Hay & silage	All potatoes	Other crops	All vege-tables	All fruit
1974	99	100	101	103	79	98	127	68	98	94	150	99	71
1975	99	101	102	101	93	97	98	70	99	93	175	94	122
1976	99	97	97	99	99	102	93	83	107	100	156	117	101
1977	100	100	100	100	100	100	100	100	100	100	100	100	100
1978	109	110	112	103	101	107	103	101	111	115	120	124	47
1979	111	103	103	101	102	121	122	124	120	118	113	117	108
1980	112	100	99	102	107	127	192	113	105	111	150	110	95
1981	108	94	90	111	116	127	153	127	101	120	175	134	107
1982	106	96	92	116	119	119	148	123	104	129	109	119	55
1983	109	98	94	119	124	122	213	96	105	140	80	130	99
1984	115	101	98	115	124	133	200	123	104	170	119	157	83
1985	121	102	99	135	109	144	243	133	109	178	91	160	130
1986	117	107	103	145	100	130	168	132	103	185	128	161	29
1987	117	105	100	147	112	134	170	125	115	189	121	167	138
1988	122	114	108	152	136	132	139	142	114	185	121	186	85
1989	120	113	107	156	129	128	108	151	102	201	140	181	67
1990	129	120	116	163	119	139	152	144	111	213	178	171	55

Farms, land in farms, and average size, Colorado and U. S. , 1979-90

Year	Colorado			United States		
	Farms 1/	Land in farms	Average size	Farms 1/	Land in farms	Average size
	Number	1,000 Acres	Acres	Number	1,000 Acres	Acres
1979	26,300	36,500	1,388	2,437,300	1,042,015	428
1980	26,500	36,000	1,358	2,439,510	1,038,885	426
1981	27,000	35,500	1,315	2,439,920	1,034,190	424
1982	27,500	35,200	1,280	2,406,550	1,027,795	427
1983	27,000	34,800	1,289	2,378,620	1,023,425	430
1984	27,000	34,600	1,281	2,333,810	1,017,803	436
1985	26,700	34,400	1,288	2,292,530	1.012,073	441
1986	26,600	34,200	1,286	2,249,820	1,005,333	447
1987	27,000	34,000	1,259	2,212,960	998,923	451
1988	27,300	33,700	1,234	2,197,140	994,543	453
1989	27,000	33,500	1,241	2,172,520	991,153	456
1990	26,500	33,100	1,249	2,143,150	987,721	461

1/ Places with annual sales of agricultural products of $1,000 or more.

Planted acreage, principal crops, Colorado, 1966-90

Year	All wheat 1/	All corn	Barley	Dry beans	All sorghum	Sugar beets	Oats	All hay	Potatoes	Rye	Vege-tables	Total 2/
	Thousand Acres											
1966	2,822	451	349	209	503	150.7	156	...	45.0	121	31	6,277.7
1967	3,158	510	279	184	615	135.8	114	...	47.0	63	32	6,537.8
1968	2,920	519	280	228	583	179.2	135	...	48.8	82	35	6,490.0
1969	2,684	600	326	235	556	204.0	171	...	52.4	134	29.7	6,572.1
1970	2,493	661	328	242	463	159.0	210	...	51.3	184	28.3	6,379.6
1971	2,373	755	362	211	550	148.6	150	...	44.0	220	26.5	6,280.1
1972	2,474	740	291	211	535	152.5	130	...	39.5	75	26.3	6,139.3
1973	2,731	795	289	193	440	122.8	130	...	37.7	71	26.5	6,375.0
1974	3,097	795	252	182	470	128.6	115	...	41.2	35	27.3	6,543.1
1975	3,074	810	245	205	510	162.7	110	...	40.4	21	24.1	6,667.2
1976	3,150	895	275	180	505	124.0	114	...	44.6	35	24.9	6,827.5
1977	3,030	970	300	165	475	77.0	115	...	44.0	30	26.3	6,647.3
1978	3,038	1,015	260	175	500	89.0	121	...	48.5	30	27.8	6,774.3
1979	3,245	1,015	295	175	490	76.0	115	...	47.1	20	28.4	7,046.5
1980	3,554	970	265	220	490	94.0	100	...	43.0	10	26.2	7,272.2
1981	3,511	960	284	230	455	80.0	74	...	47.5	15	26.8	7,033.3
1982	3,350	980	225	190	385	50.0	90	...	52.5	17	19.8	6,719.3
1983	3,865	780	232	155	295	42.0	115	...	54.0	12	20.9	7,040.9
1984	3,875	840	350	195	500	48.3	130	...	60.8	15	23.8	7,467.9
1985	3,774	875	360	210	370	2.9	115	...	64.1	13	25.4	7,254.4
1986	3,360	820	390	191	380	37.8	90	...	63.9	15	21.8	6,779.5
1987	3,160	800	230	185	400	37.4	100	...	67.5	18	23.4	6,521.3
1988	2,554	910	185	160	270	39.1	110	...	66.2	18	24.5	5,986.8
1989	2,775	1,050	190	195	400	40.6	95	...	68.8	25	22.9	6,362.3
1990	2,742	950	155	245	270	40.8	90	...	72.5	15	22.7	6,153.0

1/ Planted for harvest in year shown. Winter wheat sown fall preceding year.
2/ Includes harvested acres for all hay.

Harvested acreage, principal crops, Colorado, 1966-90

Year	All wheat	All corn	Barley	Dry beans	All sorghum	Sugar beets	Oats	All hay	Potatoes	Rye	Vege-tables	Total
	Thousand Acres											
1966	2,458	431	279	195	475	140.5	74	1,440	43.6	34	29	5,599.1
1967	1,834	483	227	179	555	127.6	60	1,400	46.4	12	28	4,952.0
1968	1,878	500	240	222	540	168.2	71	1,480	48.0	16	31	5,194.2
1969	1,962	573	277	222	530	180.7	93	1,580	49.0	38	26.6	5,531.3
1970	2,095	648	310	235	432	145.2	128	1,560	50.3	82	25.6	5,711.1
1971	2,132	726	315	200	495	138.9	57	1,440	43.1	86	23.6	5,656.6
1972	2,165	726	239	192	490	133.8	37	1,465	38.6	12	23.8	5,522.2
1973	2,605	777	268	188	420	113.7	46	1,539	37.0	15	23.4	6,032.1
1974	2,900	785	200	177	425	125.7	31	1,400	40.6	6	24.0	6,114.3
1975	2,498	801	230	200	470	154.9	42	1,465	39.7	4	22.1	5,926.7
1976	2,440	883	245	175	445	121.0	50	1,480	43.8	7	22.8	5,912.6
1977	2,576	950	250	140	455	72.0	31	1,415	43.3	4	22.7	5,959.0
1978	2,523	990	230	160	465	84.0	40	1,470	47.8	5	25.4	6,040.2
1979	2,641	1,005	275	165	460	73.0	50	1,540	46.4	3	26.4	6,284.8
1980	3,400	959	245	215	465	91.0	33	1,500	42.3	2	24.4	6,976.7
1981	3,108	950	270	225	425	77.0	26	1,350	46.8	3	24.9	6,505.7
1982	2,958	970	215	185	366	46.0	40	1,360	51.9	2	17.7	6,211.6
1983	3,063	771	220	150	285	37.2	42	1,470	53.3	2	19.4	6,112.9
1984	3,270	838	325	190	478	44.2	50	1,430	60.1	1	22.6	6,708.9
1985	3,522	874	340	205	353	2.5	55	1,445	63.4	2	23.9	6,885.8
1986	2,955	805	350	185	319	37.2	40	1,410	63.9	2	20.1	6,187.2
1987	2,555	795	220	180	228	37.0	50	1,500	66.3	3	22.2	5,656.5
1988	2,352	905	175	155	202	38.6	60	1,650	65.6	6	23.0	5,632.2
1989	2,270	1,045	160	185	350	40.0	55	1,500	68.2	4	22.3	5,699.5
1990	2,590	947	150	225	240	40.0	45	1,550	71.9	3	21.9	5,883.8

Field Crops: Acreage, production and value, Colorado, 1974-90

Year	Acreage		Yield per acre		Production	Value per unit	Total value
	Planted	Harvested	Planted	Harvested			
	All Wheat						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	3,097	2,900	23.5	25.0	72,625	3.81	276,701
1975	3,074	2,498	18.4	22.6	56,499	3.24	183,048
1976	3,150	2,440	17.0	21.9	53,440	2.36	126,284
1977	3,030	2,576	18.9	22.3	57,374	2.12	121,888
1978	3,038	2,523	19.5	23.5	59,283	2.81	166,303
1979	3,245	2,641	21.6	26.6	70,224	3.53	247,786
1980	3,554	3,400	31.0	32.4	110,300	3.70	407,769
1981	3,511	3,108	25.0	28.3	87,877	3.58	314,758
1982	3,350	2,958	25.4	28.7	84,984	3.35	284,547
1983	3,865	3,063	31.6	39.9	122,103	3.24	395,260
1984	3,875	3,270	29.7	35.2	115,020	3.19	366,549
1985	3,774	3,522	36.9	39.6	139,302	2.77	386,517
1986	3,360	2,955	28.7	32.6	96,430	2.26	217,730
1987	3,160	2,555	30.8	38.1	97,380	2.51	244,751
1988	2,554	2,352	31.1	33.8	79,540	3.69	293,248
1989	2,775	2,270	22.4	27.4	62,100	3.66	227,401
1990	2,742	2,590	31.7	33.6	86,950	2.45	212,608
	Winter Wheat						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	3,060	2,875	23.5	25.0	71,875	3.81	273,844
1975	3,040	2,470	18.5	22.5	55,575	3.24	180,063
1976	3,100	2,400	16.5	21.5	51,600	2.36	121,776
1977	3,000	2,550	18.5	22.0	56,100	2.12	118,932
1978	3,000	2,490	19.0	23.0	57,270	2.81	160,929
1979	3,200	2,600	21.0	26.0	67,600	3.53	238,628
1980	3,500	3,350	30.5	32.0	107,200	3.70	396,640
1981	3,450	3,050	24.5	27.5	83,875	3.59	301,111
1982	3,300	2,910	24.5	28.0	81,480	3.34	272,143
1983	3,800	3,000	31.0	39.0	117,000	3.23	377,910
1984	3,800	3,200	29.0	34.5	110,400	3.18	351,072
1985	3,700	3,450	36.5	39.0	134,550	2.76	371,358
1986	3,300	2,900	28.0	32.0	92,800	2.25	208,800
1987	3,100	2,500	30.0	37.5	93,750	2.51	235,313
1988	2,500	2,300	30.5	33.0	75,900	3.69	280,071
1989	2,700	2,200	21.0	26.0	57,200	3.68	210,496
1990	2,700	2,550	31.0	33.0	84,150	2.45	206,168
	Spring Wheat						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	37	25	20.5	30.0	750	3.81	2,858
1975	34	28	27.0	33.0	924	3.23	2,985
1976	50	40	37.0	46.0	1,840	2.45	4,508
1977	30	26	42.5	49.0	1,274	2.32	2,956
1978	38	33	53.0	61.0	2,013	2.67	5,375
1979	45	41	58.5	64.0	2,624	3.49	9,158
1980	54	50	57.5	62.0	3,100	3.59	11,129
1981	61	58	65.5	69.0	4,002	3.41	13,647
1982	50	48	70.0	73.0	3,504	3.54	12,404
1983	65	63	78.5	81.0	5,103	3.40	17,350
1984	75	70	61.5	66.0	4,620	3.35	15,477
1985	74	72	64.0	66.0	4,752	3.19	15,159
1986	60	55	60.5	66.0	3,630	2.46	8,930
1987	60	55	60.5	66.0	3,630	2.60	9,438
1988	54	52	67.5	70.0	3,640	3.62	13,177
1989	75	70	65.5	70.0	4,900	3.45	16,905
1990	42	40	66.5	70.0	2,800	2.30	6,440

Field Crops: Acreage, production and value, Colorado, 1974-90

Year	Acreage		Yield per acre		Production	Value per unit	Total value
	Planted	Harvested	Planted	Harvested			
	Corn for Grain 1/						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	795	540	2/	98.0	52,920	3.02	159,818
1975	810	560	2/	92.0	51,520	2.62	134,982
1976	895	630	2/	102.0	64,260	2.13	136,874
1977	970	695	2/	116.0	80,620	1.94	156,403
1978	1,015	730	2/	110.0	80,300	2.26	181,478
1979	1.015	760	2/	127.0	96,520	2.55	246,126
1980	970	760	2/	118.0	89,680	3.06	274,421
1981	960	770	2/	135.0	103,950	2.50	259,875
1982	980	790	2/	129.0	101,910	2.75	280,253
1983	780	610	2/	122.0	74,420	3.17	235,911
1984	840	680	2/	134.0	91,120	2.66	242,379
1985	875	745	2/	139.0	103,555	2.37	245,425
1986	820	710	2/	145.0	102,950	1.60	164,720
1987	800	690	2/	155.0	106,950	1.95	208,553
1988	910	800	2/	160.0	128,000	2.54	325,120
1989	1,050	930	2/	145.0	134,850	2.32	312,852
1990	950	830	2/	155.0	128,650	2.35	302,328
	Corn for Silage 1/						
	1,000 Acres	1,000 Acres	Tons	Tons	1,000 Tons	Dollars Per Ton	1,000 Dollars
1974	795	239	2/	17.5	4,183	18.50	77,386
1975	810	236	2/	17.0	4,012	19.50	78,234
1976	895	243	2/	19.0	4,617	18.00	83,106
1977	970	248	2/	18.0	4,464	15.00	66,960
1978	1,015	254	2/	19.0	4,826	15.50	74,803
1979	1,015	240	2/	20.0	4,800	18.00	86,400
1980	970	193	2/	18.5	3,571	21.00	74,991
1981	960	176	2/	20.5	3,608	19.60	70,717
1982	980	178	2/	21.5	3,827	19.10	73,096
1983	780	160	2/	21.0	3,360	21.60	72,576
1984	840	157	2/	22.0	3,454	21.70	74,952
1985	875	128	2/	23.0	2,944	20.00	58,880
1986	820	95	2/	22.0	2,090	16.40	34,276
1987	800	105	2/	22.0	2,310	15.30	35,343
1988	910	105	2/	23.0	2,415	22.20	53,613
1989	1,050	115	2/	22.0	2,530	21.30	53,889
1990	950	117	2/	22.5	2,633	21.60	56,873
	Barley						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	252	200	39.5	50.0	10,000	2.79	27,900
1975	245	230	50.0	53.0	12,190	2.64	32,182
1976	275	245	49.0	55.0	13,475	2.17	29,241
1977	300	250	47.5	57.0	14,250	2.35	33,488
1978	260	230	55.0	62.0	14,260	2.31	32,941
1979	295	275	63.5	68.0	18,700	2.39	44,693
1980	265	245	60.0	65.0	15,925	2.87	45,705
1981	284	270	59.0	62.0	16,740	2.81	47,039
1982	225	215	70.5	74.0	15,910	2.96	47,094
1983	232	220	71.0	75.0	16,500	2.97	49,005
1984	350	325	57.5	62.0	20,150	2.61	52,592
1985	360	340	60.5	64.0	21,760	2.60	56,576
1986	390	350	55.5	62.0	21,700	2.15	46,655
1987	230	220	61.0	64.0	14,080	2.56	36,045
1988	185	175	63.5	67.0	11,725	3.01	35,292
1989	190	160	64.0	76.0	12,160	3.28	39,885
1990	155	150	77.5	80.0	12,000	3.10	37,200

1/ "Planted acres" for corn pertain to acreage planted for all purposes.
2/ Not available.

Field Crops: Acreage, production and value, Colorado, 1974-90

Year	Acreage		Yield per acre		Production	Value per unit	Total value
	Planted	Harvested	Planted	Harvested			
	Sorghum for Grain 1/						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	470	265	2/	29.0	7,685	2.82	21,672
1975	510	290	2/	26.0	7,540	2.34	17,644
1976	505	259	2/	28.0	7,252	1.76	12,764
1977	475	285	2/	31.0	8,835	1.82	16,080
1978	500	340	2/	31.0	10,540	1.76	18,550
1979	490	340	2/	38.0	12,920	2.16	27,907
1980	490	350	2/	35.0	12,250	2.94	36,015
1981	455	365	2/	33.0	12,045	2.23	26,860
1982	385	310	2/	33.0	10,230	2.58	26,393
1983	295	240	2/	29.0	6,960	2.79	19,418
1984	500	430	2/	37.0	15,910	2.36	37,548
1985	370	320	2/	35.0	11,200	2.03	22,736
1986	380	300	2/	39.0	11,700	1.42	16,614
1987	400	210	2/	43.0	9,030	1.84	16,615
1988	270	180	2/	46.0	8,280	2.25	18,630
1989	400	325	2/	35.0	11,375	2.20	25,025
1990	270	220	2/	47.0	10,340	2.04	21,094
	Sorghum for Silage 1/						
	1,000 Acres	1,000 Acres	Tons	Tons	1,000 Tons	Dollars Per Ton	1,000 Dollars
1974	470	21	2/	7.0	147	17.00	2,499
1975	510	23	2/	7.0	161	17.50	2,818
1976	505	21	2/	11.0	231	16.30	3,765
1977	475	20	2/	7.0	140	14.30	2,002
1978	500	23	2/	11.0	253	15.00	3,795
1979	490	25	2/	13.0	325	16.50	5,363
1980	490	22	2/	15.0	330	19.00	6,270
1981	455	28	2/	13.0	364	18.00	6,552
1982	385	28	2/	11.0	308	18.70	5,760
1983	295	20	2/	13.0	260	21.80	5,668
1984	500	22	2/	11.0	242	19.30	4,671
1985	370	18	2/	16.0	288	13.70	3,946
1986	380	19	2/	13.0	247	12.20	3,013
1987	400	18	2/	15.0	270	12.60	3,402
1988	270	22	2/	13.0	286	17.00	4,862
1989	400	25	2/	14.0	350	18.00	6,300
1990	270	20	2/	13.0	260	19.50	5,070
	Oats						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	115	31	12.5	46.0	1,426	1.90	2,709
1975	110	42	18.5	49.0	2,058	1.85	3,807
1976	114	50	21.5	49.0	2,450	1.40	3,430
1977	115	31	13.0	47.5	1,473	.96	1,414
1978	121	40	15.5	47.0	1,880	1.40	2,632
1979	115	50	23.0	53.0	2,650	1.60	4,240
1980	100	33	17.0	51.0	1,683	2.30	3,871
1981	74	26	17.5	50.0	1,300	2.30	2,990
1982	90	40	23.0	52.0	2,080	1.80	3,744
1983	115	42	21.0	57.0	2,394	1.90	4,549
1984	130	50	21.0	55.0	2,750	1.85	5,088
1985	115	55	25.5	53.0	2,915	1.60	4,664
1986	90	40	24.5	55.0	2,200	1.40	3,080
1987	100	50	27.0	54.0	2,700	1.60	4,320
1988	110	60	27.5	50.0	3,000	2.45	7,350
1989	95	55	32.0	55.0	3,025	1.45	4,386
1990	90	45	25.0	50.0	2,250	1.70	3,825

1/ "Planted acres" for sorghum pertains to acreage planted for all purposes.
2/ Not available.

Field Crops: Acreage, production and value, Colorado, 1974-90

Year	Acreage		Yield per acre		Production	Value per unit	Total value
	Planted	Harvested	Planted	Harvested			
	All Potatoes						
	1,000 Acres	1,000 Acres	Cwt.	Cwt.	1,000 Cwt.	Dollars Per Cwt.	1,000 Dollars
1974	41.2	40.6	259	262	10,655	2.51	26,661
1975	40.4	39.7	260	264	10,485	3.81	40,011
1976	44.6	43.8	252	257	11,245	2.68	30,006
1977	44.0	43.3	257	261	11,292	2.88	32,519
1978	48.5	47.8	268	272	13,009	2.34	30,310
1979	47.1	46.4	284	288	13,353	2.91	38,819
1980	43.0	42.3	292	297	12,545	6.70	84,296
1981	47.5	46.8	284	289	13,504	4.70	63,451
1982	52.5	51.9	278	282	14,619	3.65	53,320
1983	54.0	53.3	293	297	15,820	6.25	99,098
1984	60.8	60.1	316	320	19,213	4.75	90,931
1985	64.1	63.4	314	318	20,140	2.50	49,533
1986	63.9	63.9	327	327	20,880	4.40	91,422
1987	67.5	66.3	316	322	21,359	2.10	44,164
1988	66.2	65.6	316	319	20,901	7.15	149,993
1989	68.8	68.2	331	334	22,747	8.10	184,899
1990	72.5	71.9	331	334	24,032	4.25	101,012
	Fall Potatoes						
	1,000 Acres	1,000 Acres	Cwt.	Cwt.	1,000 Cwt.	Dollars Per Cwt.	1,000 Dollars
1974	34.5	34.0	256	260	8,840	2.40	21,216
1975	33.0	32.5	261	265	8,613	3.95	34,021
1976	37.0	36.3	250	255	9,257	2.55	23,605
1977	37.0	36.5	256	260	9,490	2.80	26,572
1978	41.5	41.0	272	275	11,275	2.15	24,241
1979	40.0	39.5	286	290	11,455	2.90	33,220
1980	37.0	36.5	296	300	10,950	7.05	77,198
1981	40.5	40.0	286	290	11,600	4.60	53,360
1982	45.5	45.0	282	285	12,825	3.50	44,888
1983	47.0	46.5	297	300	13,950	6.40	89,280
1984	53.5	53.0	322	325	17,225	4.65	80,096
1985	56.5	56.0	317	320	17,920	2.25	40,320
1986	57.0	57.0	330	330	18,810	4.20	79,002
1987	61.0	60.0	320	325	19,500	1.75	34,125
1988	60.0	59.5	317	320	19,040	7.35	139,944
1989	62.0	61.5	332	335	20,603	8.35	172,035
1990	65.5	65.0	337	340	22,100	3.95	87,295
	Summer Potatoes						
	1,000 Acres	1,000 Acres	Cwt.	Cwt.	1,000 Cwt.	Dollars Per Cwt.	1,000 Dollars
1974	6.7	6.6	271	275	1,815	3.00	5,445
1975	7.4	7.2	253	260	1,872	3.20	5,990
1976	7.6	7.5	262	265	1,988	3.22	6,401
1977	7.0	6.8	257	265	1,802	3.30	5,947
1978	7.0	6.8	248	255	1,734	3.50	6,069
1979	7.1	6.9	267	275	1,898	2.95	5,599
1980	6.0	5.8	266	275	1,595	4.45	7,098
1981	7.0	6.8	272	280	1,904	5.30	10,091
1982	7.0	6.9	256	260	1,794	4.70	8,432
1983	7.0	6.8	267	275	1,870	5.25	9,818
1984	7.3	7.1	272	280	1,988	5.45	10,835
1985	7.6	7.4	292	300	2,220	4.15	9,213
1986	6.9	6.9	300	300	2,070	6.00	12,420
1987	6.5	6.3	286	295	1,859	5.40	10,039
1988	6.2	6.1	300	305	1,861	5.40	10,049
1989	6.8	6.7	315	320	2,144	6.00	12,864
1990	7.0	6.9	276	280	1,932	7.10	13,717

Field Crops: Acreage, production and value, Colorado, 1974-90

Year	Acreage		Yield per acre		Production	Value per unit	Total value
	Planted	Harvested	Planted	Harvested			
	Dry Beans 1/						
	1,000 Acres	1,000 Acres	Pounds	Pounds	1,000 Cwt.	Dollars Per Cwt.	1,000 Dollars
1974	182	177	860	880	1,558	28.00	43,624
1975	205	200	880	900	1,800	15.50	27,900
1976	180	175	950	980	1,715	11.70	20,066
1977	165	140	720	850	1,190	19.00	22,610
1978	175	160	930	1,020	1,632	17.00	27,744
1979	175	165	950	1,010	1,667	26.60	44,342
1980	220	215	1,060	1,080	2,322	28.70	66,641
1981	230	225	1,340	1,370	3,083	14.80	45,628
1982	190	185	1,120	1,150	2,128	11.70	24,898
1983	155	150	1,080	1,120	1,680	18.40	30,912
1984	195	190	1,230	1,260	2,394	16.70	39,980
1985	210	205	1,330	1,360	2,788	17.20	47,954
1986	191	185	1,450	1,500	2,775	15.20	42,180
1987	185	180	1,450	1,490	2,682	14.60	39,157
1988	160	155	1,600	1,650	2,558	31.20	79,810
1989	195	185	1,590	1,680	3,108	30.40	94,483
1990	245	225	1,740	1,900	4,275	15.60	66,690
	Sugar Beets						
	1,000 Acres	1,000 Acres	Tons	Tons	1,000 Tons	Dollars Per Ton	1,000 Dollars
1974	128.6	125.7	17.6	18.0	2,261	50.30	113,728
1975	162.7	154.9	16.4	17.2	2,661	28.70	76,371
1976	124.0	121.0	18.6	19.0	2,303	21.10	48,593
1977	77.0	72.0	18.2	19.5	1.404	26.30	36,925
1978	89.0	84.0	17.3	18.3	1,538	27.60	42,449
1979	76.0	73.0	17.9	18.6	1,358	34.10	46,308
1980	94.0	91.0	18.4	19.0	1,729	47.50	82,128
1981	80.0	77.0	21.7	22.5	1,733	33.80	58,575
1982	50.0	46.0	18.4	20.0	920	35.00	32,200
1983	42.0	37.2	14.4	16.2	603	33.40	20,140
1984	48.3	44.2	20.0	21.8	964	22.40	21,594
1985	2.9	2.5	15.9	18.4	46	27.40	1,260
1986	37.8	37.2	23.5	23.9	889	32.90	29,248
1987	37.4	37.0	21.5	21.7	803	35.40	28,426
1988	39.1	38.6	22.5	22.8	880	42.10	37,048
1989	40.6	40.0	22.5	22.8	912	43.70	39,854
1990	40.8	40.0	23.1	23.6	944	2/	2/
	Rye						
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu.	1,000 Dollars
1974	35	6	3.5	19.0	114	2.46	280
1975	21	4	4.0	22.0	88	2.28	201
1976	35	7	4.5	23.0	161	2.10	338
1977	30	4	2.5	20.0	80	1.60	128
1978	30	5	3.5	21.0	105	1.45	152
1979	20	3	3.0	20.0	60	2.35	141
1980	10	2	4.0	20.0	40	2.60	104
1981	15	3	4.0	19.5	59	3.05	180
1982	17	2	2.0	19.0	38	2.25	86
1983	12	2	3.0	19.0	38	2.05	78
1984	15	1	1.0	17.0	17	1.65	28
1985	13	2	3.5	22.0	44	1.95	86
1986	15	2	3.0	21.0	42	1.15	48
1987	18	3	4.0	24.0	72	1.25	90
1988	18	6	8.5	25.0	150	2.15	323
1989	25	4	3.0	20.0	80	1.65	132
1990	15	3	5.5	28.0	84	1.70	143

1/ Yield, production, and value on clean basis.
2/ Not available.

Field Crops: Acreage, production and value, Colorado, 1974-90

	Acreage harvested	Yield per acre	Production	Value per ton	Total value
	All Hay				
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1974	1,400	2.05	2,866	52.00	149,032
1975	1,465	2.03	2,972	54.00	160,488
1976	1,480	2.11	3,126	56.00	175,056
1977	1,415	2.04	2,890	56.00	161,840
1978	1,470	2.20	3,228	50.00	161,400
1979	1,540	2.32	3,574	53.00	189,422
1980	1,500	2.18	3,276	64.50	211,302
1981	1,350	2.30	3,105	65.00	201,825
1982	1,360	2.34	3,176	66.00	209,616
1983	1,470	2.28	3,357	68.50	229,955
1984	1,430	2.32	3,311	72.00	238,392
1985	1,445	2.52	3,644	57.50	209,530
1986	1,410	2.58	3,642	58.00	211,236
1987	1,500	2.70	4,044	62.00	250,728
1988	1,650	2.40	3,957	82.00	324,474
1989	1,500	2.30	3,450	91.50	315,450
1990	1,550	2.45	3,805	79.50	303,345
	Alfalfa Hay				
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1974	750	2.65	1,988	52.00	103,376
1975	765	2.65	2,027	54.10	109,647
1976	775	2.85	2,209	56.30	124,346
1977	745	2.80	2,086	55.40	115,610
1978	780	2.90	2,262	50.10	113,293
1979	790	3.10	2,449	53.30	130,584
1980	780	3.00	2,340	63.90	149,526
1981	740	3.00	2,220	64.60	143,415
1982	710	3.10	2,201	66.50	146,241
1983	720	3.10	2,232	70.50	157,392
1984	770	3.10	2,387	74.00	176,484
1985	820	3.30	2,706	58.00	157,000
1986	770	3.40	2,618	58.80	153,892
1987	830	3.50	2,905	62.40	181,249
1988	780	3.40	2,652	85.70	227,252
1989	750	3.20	2,400	92.50	222,000
1990	740	3.50	2,590	81.00	209,790
	All Other Hay 1/				
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1974	650	1.35	878	52.00	45,656
1975	700	1.35	945	53.80	50,841
1976	705	1.30	917	55.30	50,710
1977	670	1.20	804	57:50	46,230
1978	690	1.40	966	49.80	48,107
1979	750	1.50	1,125	52.30	58,838
1980	720	1.30	936	66.00	61,776
1981	610	1.45	885	66.00	58,410
1982	650	1.50	975	65.00	63,375
1983	750	1.50	1,125	64.50	72,563
1984	660	1.40	924	67.00	61,908
1985	625	1.50	938	56.00	52,530
1986	640	1.60	1,024	56.00	57,344
1987	670	1.70	1,139	61.00	69,479
1988	870	1.50	1,305	74.50	97,222
1989	750	1.40	1,050	89.00	93,450
1990	810	1.50	1,215	77.00	93,555

1/ Includes wild, millet, sudan, clover & timothy, grain, and other miscellaneous tame hays.

Field Crops: Acreage and production by cropping practice, Colorado, 1980-90

Year	Irrigated			Non-irrigated			Total	
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Production
	All Wheat							
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1980	178.0	54.0	9,655	3,222.0	31.0	100,645	3,400	110,300
1981	191.0	54.0	10,275	2,917.0	26.5	77,602	3,108	87,877
1982	210.5	58.5	12,347	2,747.5	26.5	72,637	2,958	84,984
1983	243.0	65.0	15,829	2,820.0	37.5	106,274	3,063	122,103
1984	271.5	63.5	17,302	2,998.5	32.5	97,718	3,270	115,020
1985	245.5	67.5	16,578	3,276.5	37.5	122,724	3,522	139,302
1986	229.0	58.0	13,335	2,726.0	30.5	83,095	2,955	96,430
1987	242.0	57.5	13,963	2,313.0	36.0	83,417	2,555	97,380
1988	205.0	59.5	12,150	2,147.0	31.5	67,390	2,352	79,540
1989	188.7	54.0	10,196	2,081.3	25.0	51,904	2,270	62,100
1990	181.5	61.0	11,040	2,408.5	31.5	75,910	2,590	86,950
	Winter Wheat							
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1980	140.0	48.0	6,720	3,210.0	31.5	100,480	3,350	107,200
1981	145.0	45.0	6,525	2,905.0	26.5	77,350	3,050	83,875
1982	170.0	53.0	9,005	2,740.0	26.5	72,475	2,910	81,480
1983	190.0	57.5	10,960	2,810.0	37.5	106,040	3,000	117,000
1984	220.0	59.5	13,130	2,980.0	32.5	97,270	3,200	110,400
1985	193.0	63.0	12,196	3,257.0	37.5	122,354	3,450	134,550
1986	188.0	53.0	9,983	2,712.0	30.5	82,817	2,900	92,800
1987	200.0	53.0	10,600	2,300.0	36.0	83,150	2,500	93,750
1988	160.0	54.0	8,640	2,140.0	31.5	67,260	2,300	75,900
1989	130.0	42.0	5,460	2,070.0	25.0	51,740	2,200	57,200
1990	150.0	56.0	8,400	2,400.0	31.5	75,750	2,550	84,150
	Spring Wheat							
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1980	38.0	77.0	2,935	12.0	14.0	165	50	3,100
1981	46.0	81.5	3,750	12.0	21.0	252	58	4,002
1982	40.5	82.5	3,342	7.5	21.5	162	48	3,504
1983	53.0	92.0	4,869	10.0	23.5	234	63	5,103
1984	51.5	81.0	4,172	18.5	24.0	448	70	4,620
1985	52.5	83.5	4,382	19.5	19.0	370	72	4,752
1986	41.0	82.0	3,352	14.0	20.0	278	55	3,630
1987	42.0	80.0	3,363	13.0	20.5	267	55	3,630
1988	45.0	78.0	3,510	7.0	18.5	130	52	3,640
1989	58.7	80.5	4,736	11.3	14.5	164	70	4,900
1990	31.5	83.5	2,640	8.5	19.0	160	40	2,800
	Barley							
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1980	202	73.5	14,895	43	24.0	1,030	245	15,925
1981	211	71.5	15,088	59	28.0	1,652	270	16,740
1982	183	81.0	14,854	32	33.0	1,056	215	15,910
1983	169	87.0	14,665	51	36.0	1,835	220	16,500
1984	195	84.0	16,410	130	29.0	3,740	325	20,150
1985	184	87.5	16,144	156	36.0	5,616	340	21,760
1986	175	88.5	15,485	175	35.5	6,215	350	21,700
1987	129	81.5	10,531	91	39.0	3,549	220	14,080
1988	111	87.0	9,680	64	32.0	2,045	175	11,725
1989	117	92.5	10,827	43	31.0	1,333	160	12,160
1990	126	90.0	11,350	24	27.0	650	150	12,000

Field Crops: Acreage and production by cropping practice, Colorado, 1980-90

Year	Irrigated			Non-irrigated			Total	
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Production
	Corn for Grain							
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1980	735	121.0	88,935	25	30.0	745	760	89,680
1981	747	138.0	103,099	23	37.0	851	770	103,950
1982	770	131.0	100,950	20	48.0	960	790	101,910
1983	590	125.0	73,650	20	38.5	770	610	74,420
1984	660	137.0	90,420	20	35.0	700	680	91,120
1985	721	142.5	102,691	24	36.0	864	745	103,555
1986	682	149.0	101,774	28	42.0	1,176	710	102,950
1987	670	158.0	105,950	20	50.0	1,000	690	106,950
1988	778	163.0	126,793	22	55.0	1,207	800	128,000
1989	902	148.0	133,310	28	55.0	1,540	930	134,850
1990	804	158.0	127,150	26	57.5	1,500	830	128,650
	Sorghum for Grain							
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1980	115	59.0	6,775	235	23.5	5,475	350	12,250
1981	96	55.0	5,280	269	25.0	6,765	365	12,045
1982	83	66.5	5,500	227	21.0	4,730	310	10,230
1983	62	56.0	3,472	178	19.5	3,488	240	6,960
1984	90	75.5	6,817	340	26.5	9,093	430	15,910
1985	66	72.0	4,752	254	25.5	6,448	320	11,200
1986	65	85.0	5,534	235	26.0	6,166	300	11,700
1987	50	82.5	4,125	160	30.5	4,905	210	9,030
1988	55	77.0	4,235	125	32.5	4,045	180	8,280
1989	75	60.0	4,500	250	27.5	6,875	325	11,375
1990	64	76.0	4,850	156	35.0	5,490	220	10,340
	Dry Beans 1/							
	1,000 Acres	Pounds	1,000 Cwt.	1,000 Acres	Pounds	1,000 Cwt.	1,000 Acres	1,000 Cwt.
1980	114.0	1,770	2,019	101.0	300	303	215	2,322
1981	131.0	2,090	2,738	94.0	370	345	225	3,083
1982	111.0	1,600	1,777	74.0	470	351	185	2,128
1983	76.0	1,790	1,358	74.0	440	322	150	1,680
1984	103.0	1,940	2,002	87.0	450	392	190	2,394
1985	131.0	1,930	2,528	74.0	350	260	205	2,788
1986	124.0	2,050	2,543	61.0	380	232	185	2,775
1987	131.0	1,870	2,450	49.0	470	232	180	2,682
1988	124.0	1,950	2,418	31.0	450	140	155	2,558
1989	150.0	2,000	3,003	35.0	300	105	185	3,108
1990	190.0	2,190	4,155	35.0	340	120	225	4,275
	Oats							
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1980	23	62.5	1,438	10	24.5	245	33	1,683
1981	17	61.5	1,046	9	28.0	254	26	1,300
1982	27	64.5	1,744	13	26.0	336	40	2,080
1983	29	66.5	1,926	13	36.0	468	42	2,394
1984	29	65.0	1,887	21	41.0	863	50	2,750
1985	31	64.5	2,003	24	38.0	912	55	2,915
1986	23	68.5	1,576	17	37.0	628	40	2,204
1987	20	65.5	1,310	30	46.5	1,390	50	2,700
1988	26	68.0	1,774	34	36.0	1,226	60	3,000
1989	33	75.0	2,475	22	25.0	550	55	3,025
1990	27	64.5	1,742	18	28.0	508	45	2,250

1/ Yield and production, clean basis.

1990 CROP REVIEW

The 1990 All Crops Production Index increased 11 points from a year earlier to 139 percent of the 1977 base period. Sharp increases in the Food Grains and Other Crops Indexes and moderate increases in the Potatoes and Hay and Silage Indexes were only partially offset by moderate declines in the Feed Grains, Fruit, and Vegetable Indexes. Colorado producers had larger crops of wheat, hay, potatoes, dry beans and sugar beets in 1990 than they did in 1989 while smaller crops were harvested for all feed grains and most fruit and vegetable crops.

For the fifth consecutive year, corn for grain continued to be Colorado's largest grain crop with a total production of over 128 million bushels. Producers harvested 830,000 acres for grain in 1990, a reduction of 11 percent from the 930,000 acres harvested the previous year. The average yield of 155 bushels per acre was up 10 bushels from the previous year and was exceeded only by the record high of 160 bushels per acre in 1988. Total production for the 1990 crop was just 5 percent smaller than the record high output of nearly 135 million bushels produced in 1989.

The 1990 winter wheat crop increased 47 percent from a year earlier to 84.2 million bushels. A large part of the increase resulted from the reduced abandonment for 1990. There were only 150,000 acres abandoned in 1990 compared with 500,000 acres abandoned from the 1989 crop plantings. While the total planted acreage for the 1990 crop of 2.7 million acres was unchanged from the previous year, producers harvested 2.55 million acres in 1990 compared with 2.2 million in 1989. The average yield rose to 33.0 bushels per acre in 1990 compared with a 26.0 bushel average the previous year.

The 1990 production of corn silage, rye, dry beans, sugar beets, alfalfa hay, other hay, and fall potatoes was higher than a year earlier for each crop while spring wheat, grain sorghum, sorghum for silage, barley, oats and summer potatoes each had smaller crops compared with the previous year. Spring wheat production was down 43 percent, primarily because of a large reduction in harvested acres. Corn silage was up 4 percent to 2,633,000 tons for 1990. Both sorghum for grain and silage showed decreases because of reduced acres harvested. Sorghum grain production was down 9 percent to 10.34 million bushels. The 220,000 acres harvested were 32 percent below a year earlier, but a new record high yield of 47.0 bushels per acre was partially offsetting.

Barley was down only 1 percent because a 6 percent decrease in acres harvested was almost offset by an increase in the average yield per acre which reached a new record high of 80.0 bushels per acre. Both lower per acre yields and fewer acres harvested were the reasons for the decline in oat production. Rye producers reduced the number of acres harvested but a large increase in the average yield to 28 bushels per acre resulted in the larger output.

Dry bean production in 1990 was a record high for the second consecutive year, primarily the result of a 40,000 acre increase in the number of acres harvested but also from a new record high average yield of 19.00 cwt. per acre. Sugar beet production increased 4 percent to 944 thousand tons as a result of the highest average per acre yield since 1986.

Alfalfa hay showed an 8 percent higher production from fewer acres harvested because of a better average yield per acre. Other hay was up 16 percent because of better mountain conditions for native hays which resulted in more acres being cut and improved yields.

Fall potato production was up 7 percent to a new record high of 22.1 million cwt. as both the acreage harvested and the average yield per acre were at record highs. Summer potato production was down 10 percent because of a sharp 40 cwt. per acre drop in the average yield.

Planting activities began in early March but progressed slightly behind the normal pace because spring showers limited field work. Overall progress never really caught up until everything was in the ground. Row crops also experienced a slow start because of moisture but did get caught up by later in the planting season. Overall crop development during the growing progressed along about normal although winter wheat harvest began slightly ahead of normal. No significant weather problems slowed the small grain or row crop harvests with completion being about normal. The harvest period was extended for some late season crops because first general killing frost did not occur until early October.

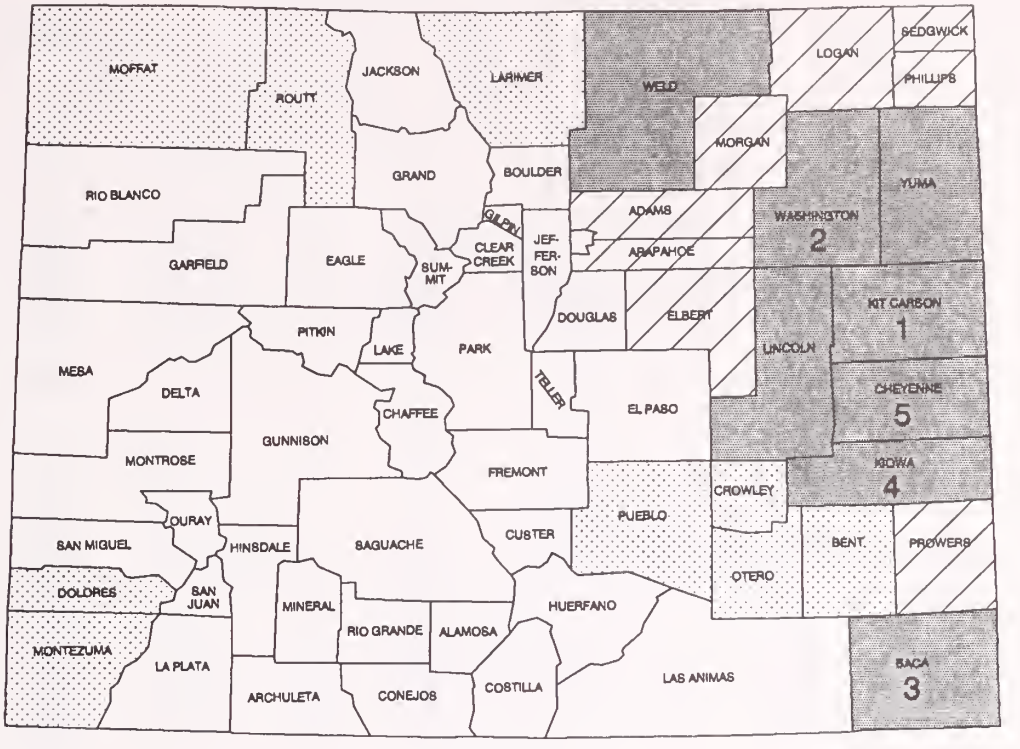
Winter wheat seedings began in late August, slightly ahead of normal, but fell behind because of localized storms in the wheat areas. Fall seedings were virtually complete by mid-October. The wheat crop across the eastern plains went into the winter in good condition but needing additional moisture. Overall top growth was shorter than desirable. With no snow cover, extremely cold temperatures during December froze top growth back to near ground level in some areas causing some winter kill. Additional losses occurred from high winds blowing across the exposed soils. A dry winter and a windy spring brought the wheat crop out of the winter in only fair to good condition as of April 1.

Field Crops: Acreage, production and value, Colorado, 1989-90

Year and Crop	Acreage planted	Acreage harvested	Yield per acre	Total production	Unit	Value per unit	Total value
1989	Acres	Acres	Unit	Units		Dollars	1,000 Dollars
All wheat	2,775,000	2,270,000	27.4	62,100,000	Bu.	3.66	227,401
Winter wheat	2,700,000	2,200,000	26.0	57,200,000	Bu.	3.68	210,496
Spring wheat	75,000	70,000	70.0	4,900,000	Bu.	3.45	16,905
Corn, all purposes	1,050,000	...	...	...	...	...	366,741
Corn for grain	...	930,000	145.0	134,850,000	Bu.	2.32	312,852
Corn for silage	...	115,000	22.0	2,530,000	Tons	21.30	53,889
Sorghum, all purposes	400,000	...	...	...	...	...	31,325
Sorghum for grain	...	325,000	35.0	11,375,000	Bu.	2.20	25,025
Sorghum for silage	...	25,000	14.0	350,000	Tons	18.00	6,300
Barley	190,000	160,000	76.0	12,160,000	Bu.	3.28	39,885
Oats	95,000	55,000	55.0	3,025,000	Bu.	1.45	4,386
Rye	25,000	4,000	20.0	80,000	Bu.	1.65	132
Dry beans 1/	195,000	185,000	16.80	3,108,000	Cwt.	30.40	94,483
Sugar beets	40,600	40,000	22.80	912,000	Tons	43.70	39,854
All hay	...	1,500,000	2.30	3,450,000	Tons	91.50	315,450
Alfalfa hay	...	750,000	3.20	2,400,000	Tons	92.50	222,000
All other hay	...	750,000	1.40	1,050,000	Tons	89.00	93,450
All potatoes	68,800	68,200	334	22,747,000	Cwt.	8.10	184,899
Summer potatoes	6,800	6,700	320	2,144,000	Cwt.	6.00	12,864
Fall potatoes	62,000	61,500	335	20,603,000	Cwt.	8.35	172,035
Total field crops	...	5,677,200	...	...	...	...	1,304,556
1990	Acres	Acres	Unit	Units		Dollars	1,000 Dollars
All wheat	2,742,000	2,590,000	33.6	86,950,000	Bu.	2.45	212,608
Winter wheat	2,700,000	2,550,000	33.0	84,150,000	Bu.	2.45	206,168
Spring wheat	42,000	40,000	70.0	2,800,000	Bu.	2.30	6,440
Corn, all purposes	950,000	...	...	...	...	...	359,201
Corn for grain	...	830,000	155.0	128,650,000	Bu.	2.35	302,328
Corn for silage	...	117,000	22.5	2,633,000	Tons	21.60	56,873
Sorghum, all purposes	270,000	...	...	...	...	...	26,164
Sorghum for grain	...	220,000	47.0	10,340,000	Bu.	2.04	21,094
Sorghum for silage	...	20,000	13.0	260,000	Tons	19.50	5,070
Barley	155,000	150,000	80.0	12,000,000	Bu.	3.10	37,200
Oats	90,000	45,000	50.0	2,250,000	Bu.	1.70	3,825
Rye	15,000	3,000	28.0	84,000	Bu.	1.70	143
Dry beans 1/	245,000	225,000	19.00	4,275,000	Cwt.	15.60	66,690
Sugar beets	40,800	40,000	23.60	944,000	Tons	2/	2/
All hay	...	1,550,000	2.45	3,805,000	Tons	79.50	303,345
Alfalfa hay	...	740,000	3.50	2,590,000	Tons	81.00	209,790
All other hay	...	810,000	1.50	1,215,000	Tons	77.00	93,555
All potatoes	72,500	71,900	334	24,032,000	Cwt.	4.25	101,012
Summer potatoes	7,000	6,900	280	1,932,000	Cwt.	7.10	13,717
Fall potatoes	65,500	65,000	340	22,100,000	Cwt.	3.95	87,295
Total field crops	...	5,861,900	...	...		...	1,110,188 3/

1/ Yield, production, price, and value on clean basis. 2/ Not available. 3/ Total excluding sugar beets.

Winter Wheat: Production by County, Colorado, 1990
with Ranking of First Five Counties



BUSHELS

UNDER 100,000 | 100,000-999,999 | 1,000,000-4,999,999 | 5,000,000 PLUS

Winter Wheat: Acreage and production by district, Colorado, 1989-90

District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
NW & Mountain .	29,000	...	...	...	28,000	19.0	532,000	28,000	19.0	532,000
Northeast	531,000	30,000	42.0	1,260,000	410,000	28.0	11,480,000	440,000	29.0	12,740,000
East Central	1,765,000	63,000	42.0	2,636,000	1,417,000	25.5	36,073,000	1,480,000	26.0	38,709,000
Southwest	37,000	2,000	82.0	164,000	28,000	17.0	476,000	30,000	21.5	640,000
San Luis Valley ..	...	...	...	...	...	...	...	...	...	...
Southeast	338,000	35,000	40.0	1,400,000	187,000	17.0	3,179,000	222,000	20.5	4,579,000
State Total	2,700,000	130,000	42.0	5,460,000	2,070,000	25.0	51,740,000	2,200,000	26.0	57,200,000
1990										
NW & Mountain.	29,000	...	...	...	28,000	24.0	670,000	28,000	24.0	670,000
Northeast	516,000	30,000	61.5	1,840,000	460,000	31.0	14,260,000	490,000	33.0	16,100,000
East Central	1,760,000	63,000	53.0	3,340,000	1,612,000	32.5	52,650,000	1,675,000	33.5	55,990,000
Southwest	35,000	2,000	70.0	140,000	31,000	12.0	370,000	33,000	15.5	510,000
San Luis Valley ..	...	...	...	...	...	...	...	...	...	...
Southeast	360,000	55,000	56.0	3,080,000	269,000	29.0	7,800,000	324,000	33.5	10,880,000
State Total	2,700,000	150,000	56.0	8,400,000	2,400,000	31.5	75,750,000	2,550,000	33.0	84,150,000

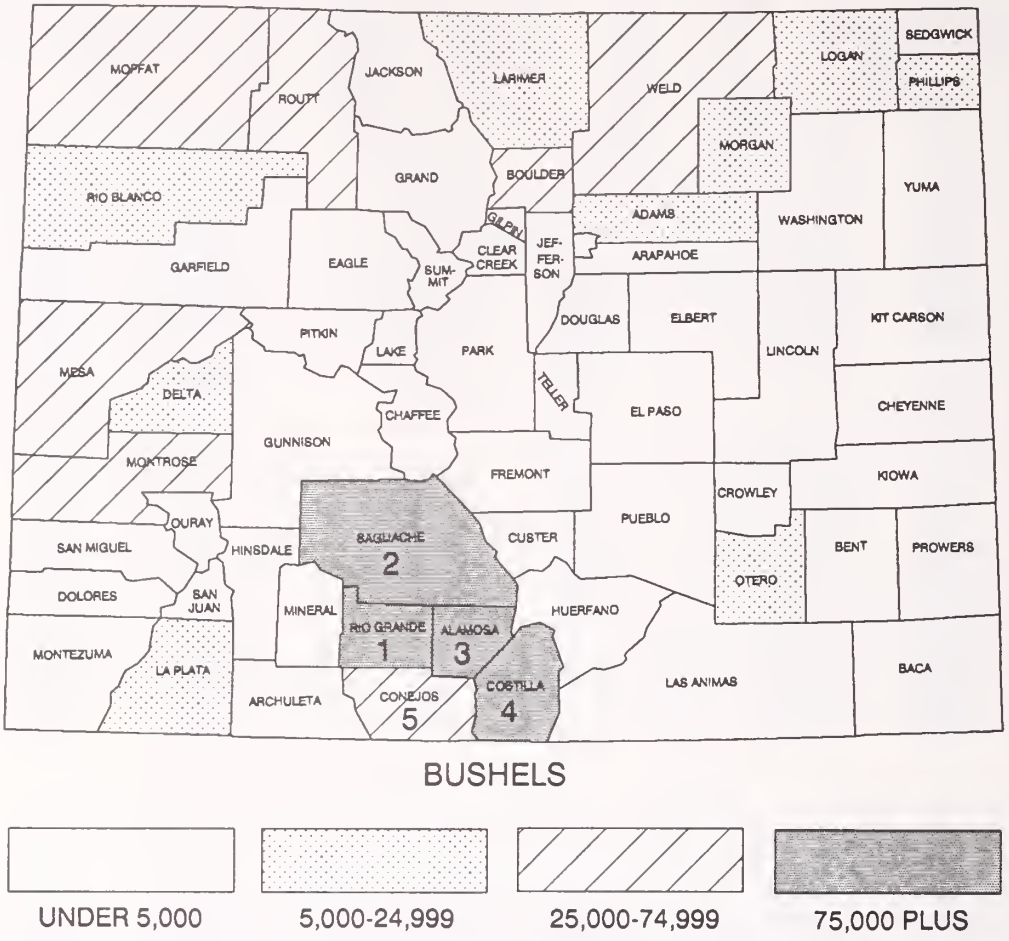
Winter Wheat: Acreage and production by county, Colorado, 1989

County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	157,000	2,900	53.0	154,000	147,100	30.0	4,413,000	150,000	30.5	4,567,000
Alamosa	...	...	...	...	...	...	...	...	...	...
Arapahoe	90,500	100	40.0	4,000	86,900	20.0	1,738,000	87,000	20.0	1,742,000
Archuleta	200	...	...	...	200	15.0	3,000	200	15.0	3,000
Baca	190,000	13,800	36.0	497,000	108,200	14.0	1,540,000	122,000	16.5	2,037,000
Bent	12,000	5,000	38.0	190,000	5,000	15.0	75,000	10,000	26.5	265,000
Boulder	3,500	600	40.0	24,000	2,000	22.0	44,000	2,600	26.0	68,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	176,000	2,900	40.0	116,000	107,100	24.0	2,570,000	110,000	24.5	2,686,000
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	...	...	...	...	...	...	...	...	...	...
Costilla	...	...	...	...	...	...	...	...	...	...
Crowley	2,500	1,200	44.0	53,000	1,200	16.0	19,000	2,400	30.0	72,000
Custer	...	...	...	...	...	...	...	...	...	...
Delta	100	100	95.0	9,500	...	...	...	100	95.0	9,500
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	23,500	500	60.0	30,000	16,500	17.0	282,000	17,000	18.5	312,000
Douglas	4,500	...	...	...	4,200	23.0	97,000	4,200	23.0	97,000
Eagle	...	...	...	...	...	...	...	...	...	...
Elbert	50,000	...	...	...	47,000	21.0	987,000	47,000	21.0	987,000
El Paso	4,000	200	50.0	10,000	3,600	15.0	54,000	3,800	17.0	64,000
Fremont	300	...	...	...	200	10.0	2,000	200	10.0	2,000
Garfield	1,400	...	...	...	1,200	15.0	18,000	1,200	15.0	18,000
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...	...
Jefferson	500	...	...	...	400	25.0	10,000	400	25.0	10,000
Kiowa	190,000	300	40.0	12,000	134,700	20.0	2,694,000	135,000	20.0	2,706,000
Kit Carson	332,000	33,000	41.0	1,353,000	217,000	30.0	6,510,000	250,000	31.5	7,863,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	2,500	200	70.0	14,000	2,200	15.0	33,000	2,400	19.5	47,000
Larimer	12,000	1,100	48.0	53,000	6,900	27.0	186,000	8,000	30.0	239,000
Las Animas	4,400	1,400	40.0	56,000	1,900	14.0	27,000	3,300	25.0	83,000
Lincoln	171,000	600	50.0	30,000	142,400	23.0	3,275,000	143,000	23.0	3,305,000
Logan	167,000	10,000	32.0	320,000	132,000	25.0	3,292,000	142,000	25.5	3,612,000
Mesa	700	700	105.0	73,500	...	...	...	700	105.0	73,500
Mineral	...	...	...	...	...	...	...	...	...	...
Moffat	18,000	...	...	...	17,400	17.0	296,000	17,400	17.0	296,000
Montezuma	7,000	100	50.0	5,000	6,900	18.0	124,000	7,000	18.5	129,000
Montrose	600	400	80.0	32,000	100	20.0	2,000	500	68.0	34,000
Morgan	76,000	6,000	40.0	240,000	56,000	28.0	1,568,000	62,000	29.0	1,808,000
Otero	4,300	3,600	56.0	202,000	...	...	...	3,600	56.0	202,000
Ouray	...	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	125,000	2,900	48.0	139,000	112,100	27.0	3,027,000	115,000	27.5	3,166,000
Pitkin	...	...	...	...	...	...	...	...	...	...
Prowers	118,000	8,000	39.0	312,000	67,000	22.0	1,474,000	75,000	24.0	1,786,000
Pueblo	6,500	2,000	45.0	90,000	3,500	12.0	42,000	5,500	24.0	132,000
Rio Blanco	3,000	...	...	...	3,000	18.0	54,000	3,000	18.0	54,000
Rio Grande	...	...	...	...	...	...	...	...	...	...
Routt	8,000	...	...	...	7,600	24.0	182,000	7,600	24.0	182,000
Saguache	...	...	...	...	...	...	...	...	...	...
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	1,000	...	...	...	900	15.5	14,000	900	15.5	14,000
Sedgwick	87,000	2,300	45.0	103,000	72,700	32.0	2,326,000	75,000	32.5	2,429,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	314,000	7,600	32.0	243,000	287,400	25.0	7,138,000	295,000	25.0	7,381,000
Weld	185,000	10,000	52.0	520,000	140,000	29.0	4,054,000	150,000	30.5	4,574,000
Yuma	151,000	12,500	46.0	575,000	127,500	28.0	3,570,000	140,000	29.5	4,145,000
State Total	2,700,000	130,000	42.0	5,460,000	2,070,000	25.0	51,740,000	2,200,000	26.0	57,200,000

Winter Wheat: Acreage and production by county, Colorado, 1990

County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	165,000	2,400	56.5	135,000	154,600	25.5	3,940,000	157,000	26.0	4,075,000
Alamosa	...	...	...	...	...	...	...	...	...	...
Arapahoe	88,000	200	40.0	8,000	82,800	23.0	1,900,000	83,000	23.0	1,908,000
Archuleta	100	...	...	...	100	15.0	1,500	100	15.0	1,500
Baca	198,000	32,000	56.5	1,800,000	156,000	30.5	4,735,000	188,000	35.0	6,535,000
Bent	9,500	4,000	54.0	215,000	4000	20.0	80,000	8,000	37.0	295,000
Boulder	3,500	700	54.5	38,000	2,600	22.0	57,000	3,300	29.0	95,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	191,000	6,000	50.0	300,000	174,000	31.5	5,480,000	180,000	32.0	5,780,000
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	...	...	...	...	...	...	...	...	...	...
Costilla	...	...	...	...	...	...	...	...	...	...
Crowley	6,000	2,000	47.5	95,000	3,000	23.0	69,000	5,000	33.0	164,000
Custer	...	...	...	...	...	...	...	...	...	...
Delta	200	200	70.0	14,000	...	...	...	200	70.0	14,000
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	20,600	400	60.0	24,000	19,100	11.5	215,000	19,500	12.5	239,000
Douglas	4,000	...	...	...	3,700	25.0	93,000	3,700	25.0	93,000
Eagle	...	...	...	...	...	...	...	...	...	...
Elbert	45,000	...	...	...	42,500	30.5	1,300,000	42,500	30.5	1,300,000
El Paso	4,000	400	45.0	18,000	3,400	21.0	72,000	3,800	23.5	90,000
Fremont	500	...	...	...	400	27.5	11,000	400	27.5	11,000
Garfield	1,500	...	...	...	1,300	14.0	18,000	1,300	14.0	18,000
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...	...
Jefferson	500	...	...	...	500	20.0	10,000	500	20.0	10,000
Kiowa	213,000	...	...	...	204,000	30.0	6,120,000	204,000	30.0	6,120,000
Kit Carson	310,000	34,000	52.0	1,765,000	263,000	37.0	9,785,000	297,000	39.0	11,550,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	2,200	200	55.0	11,000	1,800	13.5	24,500	2,000	18.0	35,500
Larimer	8,500	1,500	63.5	95,000	6,700	34.0	227,000	8,200	39.5	322,000
Las Animas	5,000	1,000	45.0	45,000	1,600	25.0	40,000	2,600	32.5	85,000
Lincoln	160,000	1,500	36.0	54,000	150,500	33.0	4,985,000	152,000	33.0	5,039,000
Logan	152,000	8,000	57.0	457,000	136,000	28.5	3,900,000	144,000	30.5	4,357,000
Mesa	800	700	81.5	57,000	...	...	...	700	81.5	57,000
Mineral	...	...	...	...	...	...	...	...	...	...
Moffat	18,500	...	...	...	18,000	23.0	415,000	18,000	23.0	415,000
Montezuma	8,200	200	50.0	10,000	7,800	13.0	101,000	8,000	14.0	111,000
Montrose	500	300	80.0	24,000	100	20.0	2,000	400	65.0	26,000
Morgan	80,500	7,800	65.5	510,000	70,200	33.0	2,300,000	78,000	36.0	2,810,000
Otero	4,500	4,000	62.5	250,000	...	...	...	4,000	62.5	250,000
Ouray	...	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	125,000	2,800	57.0	160,000	116,200	39.0	4,530,000	119,000	39.5	4,690,000
Pitkin	...	...	...	...	...	...	...	...	...	...
Prowers	121,000	10,000	53.5	535,000	98,000	28.0	2,745,000	108,000	30.5	3,280,000
Pueblo	15,500	2,000	70.0	140,000	6,000	20.0	120,000	8,000	32.5	260,000
Rio Blanco	2,500	...	...	...	2,500	24.0	60,000	2,500	24.0	60,000
Rio Grande	...	...	...	...	...	...	...	...	...	...
Routt	8,000	...	...	...	7,500	26.0	195,000	7,500	26.0	195,000
Saguache	...	...	...	...	...	...	...	...	...	...
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	900	...	...	...	800	10.0	8,000	800	10.0	8,000
Sedgwick	86,000	3,000	46.5	140,000	78,000	38.5	3,000,000	81,000	39.0	3,140,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	305,000	4,700	61.5	290,000	285,300	33.0	9,430,000	290,000	33.5	9,720,000
Weld	185,000	9,000	66.5	600,000	166,000	28.5	4,766,000	175,000	30.5	5,366,000
Yuma	150,000	11,000	55.5	610,000	132,000	38.0	5,015,000	143,000	39.5	5,625,000
State Total	2,700,000	150,000	56.0	8,400,000	2,400,000	31.5	75,750,000	2,550,000	33.0	84,150,000

Spring Wheat: Production by County, Colorado, 1990
with Ranking of First Five Counties



BUSHELS

UNDER 5,000 | 5,000-24,999 | 25,000-74,999 | 75,000 PLUS

Spring Wheat: Acreage and production by district, Colorado, 1989-90

District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
NW & Mountain	9,500	...	...	...	8,200	14.0	116,000	8,200	14.0	116,000
Northeast	4,000	2,500	40.0	100,000	700	13.5	9,500	3,200	34.0	109,500
East Central	2,000	...	...	...	1,500	18.0	27,000	1,500	18.0	27,000
Southwest	3,200	2,400	62.0	149,000	400	13.0	5,200	2,800	55.0	154,200
San Luis Valley	55,000	53,500	83.5	4,472,000	...	...	...	53,500	83.5	4,472,000
Southeast	1,300	300	50.0	15,000	500	12.5	6,300	800	26.5	21,300
State Total	75,000	58,700	80.5	4,736,000	11,300	14.5	164,000	70,000	70.0	4,900,000
1990										
NW & Mountain	5,900	...	...	...	5,700	18.0	103,000	5,700	18.0	103,000
Northeast	3,000	1,700	60.0	102,000	1,200	24.0	29,000	2,900	45.0	131,000
East Central	1,200	200	55.0	11,000	700	20.0	14,000	900	28.0	25,000
Southwest	2,300	1,500	62.0	93,000	600	18.5	11,000	2,100	49.5	104,000
San Luis Valley	29,000	28,000	86.5	2,427,000	...	...	...	28,000	86.5	2,427,000
Southeast	600	100	70.0	7,000	300	10.0	3,000	400	25.0	10,000
State Total	42,000	31,500	83.5	2,640,000	8,500	19.0	160,000	40,000	70.0	2,800,000

Spring Wheat: Acreage and production by county, Colorado, 1989-90

County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
Adams	1,300	...	...	...	1,200	19.0	22,500	1,200	19.0	22,500
Alamosa	9,500	9,200	90.0	828,000	...	...	...	9,200	90.0	828,000
Boulder	500	400	52.5	21,000	...	...	...	400	52.5	21,000
Conejos	2,000	2,000	81.0	162,000	...	...	...	2,000	81.0	162,000
Costilla	5,000	4,800	83.0	398,000	...	...	...	4,800	83.0	398,000
Delta	300	300	73.5	22,000	...	...	...	300	73.5	22,000
Dolores	200	200	40.0	8,000	...	...	...	200	40.0	8,000
Elbert	100	...	...	...	...	...	...	...	...	...
Kit Carson	100	...	...	...	100	15.0	1,500	100	15.0	1,500
La Plata	300	...	...	...	300	13.0	3,900	300	13.0	3,900
Larimer	800	700	47.0	33,000	...	...	...	700	47.0	33,000
Las Animas	200	100	60.0	6,000	...	...	...	100	60.0	6,000
Logan	500	...	...	...	400	12.5	5,000	400	12.5	5,000
Mesa	1,300	1,100	65.5	72,000	...	...	...	1,100	65.5	72,000
Moffat	5,000	...	...	...	4,300	10.0	43,000	4,300	10.0	43,000
Montezuma	100	...	...	...	100	13.0	1,300	100	13.0	1,300
Montrose	1,000	800	59.0	47,000	...	...	...	800	59.0	47,000
Morgan	700	300	46.5	14,000	300	15.0	4,500	600	31.0	18,500
Otero	200	...	...	...	100	13.0	1,300	100	13.0	1,300
Prowers	400	100	50.0	5,000	100	13.0	1,300	200	31.5	6,300
Pueblo	500	100	40.0	4,000	300	12.5	3,700	400	19.5	7,700
Rio Blanco	500	...	...	...	400	17.0	6,800	400	17.0	6,800
Rio Grande	19,000	18,500	80.0	1,480,000	...	...	...	18,500	80.0	1,480,000
Routt	4,000	...	...	...	3,500	19.0	66,200	3,500	19.0	66,200
Saguache	19,500	19,000	84.5	1,604,000	...	...	...	19,000	84.5	1,604,000
Washington	200	...	...	...	100	15.0	1,500	100	15.0	1,500
Weld	1,500	1,100	29.0	32,000	...	...	...	1,100	29.0	32,000
Yuma	300	...	...	...	100	15.0	1,500	100	15.0	1,500
State Total	75,000	58,700	80.5	4,736,000	11,300	14.5	164,000	70,000	70.0	4,900,000
1990	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
Adams	800	100	60.0	6,000	500	20.0	10,000	600	26.5	16,000
Alamosa	4,300	4,200	91.5	385,000	...	...	...	4,200	91.5	385,000
Boulder	700	300	50.0	15,000	400	25.0	10,000	700	35.5	25,000
Conejos	1,000	1,000	65.0	65,000	...	...	...	1,000	65.0	65,000
Costilla	2,200	2,000	67.5	135,000	...	...	...	2,000	67.5	135,000
Delta	100	100	75.0	7,500	...	...	...	100	75.0	7,500
Dolores	100	100	45.0	4,500	...	...	...	100	45.0	4,500
La Plata	600	...	...	...	600	18.5	11,000	600	18.5	11,000
Larimer	400	400	55.0	22,000	...	...	...	400	55.0	22,000
Logan	300	...	...	...	300	16.5	5,000	300	16.5	5,000
Mesa	800	800	64.0	51,000	...	...	...	800	64.0	51,000
Moffat	3,400	...	...	...	3,300	16.0	53,000	3,300	16.0	53,000
Montezuma	200	...	...	...	...	...	...	...	...	...
Montrose	500	500	60.0	30,000	...	...	...	500	60.0	30,000
Morgan	500	200	50.0	10,000	300	25.0	7,500	500	35.0	17,500
Otero	100	100	70.0	7,000	...	...	...	100	70.0	7,000
Phillips	400	100	50.0	5,000	200	20.0	4,000	300	30.0	9,000
Prowers	300	...	...	...	200	10.0	2,000	200	10.0	2,000
Pueblo	200	...	...	...	100	10.0	1,000	100	10.0	1,000
Rio Blanco	300	...	...	...	300	16.5	5,000	300	16.5	5,000
Rio Grande	11,000	10,600	88.5	940,000	...	...	...	10,600	88.5	940,000
Routt	2,200	...	...	...	2,100	21.5	45,000	2,100	21.5	45,000
Saguache	10,500	10,200	88.5	902,000		...	...	10,200	88.5	902,000
Weld	1,100	800	69.0	55,000	200	32.5	6,500	1,000	61.5	61,500
State Total	42,000	31,500	83.5	2,640,000	8,500	19.0	160,000	40,000	70.0	2,800,000

COLORADO CORN

Corn, a very minor commodity crop early in Colorado's history has advanced to become the top producing grain crop in the state since 1986. When records began in 1879, Colorado producers harvested only 455 thousand bushels of corn from 23,000 acres which averaged 19.8 bushels per acre. In 1990, producers harvested 128.65 million bushels from 830,000 acres averaging 155.0 bushels per acre. In addition, 117,000 acres of corn were harvested for silage which yielded 2.6 million tons of feed for the state's dairy and beef cattle. Value of the 1990 corn grain and silage crops was estimated at nearly $360 million.

Corn acreage increased steadily from 1879 through 1896, declined slightly for the next three years, and then increased every year from 1900 through 1917 when 840 thousand acres were harvested. In 1920, more than 1 million acres were harvested and the all time high acreage in the state was reached in 1932 when 1.86 million acres were harvested for all purposes. In that year, 1.49 million acres were harvested for grain, 69 thousand acres were harvested for silage, and 298 thousand acres were utilized as forage. The planted acreage in 1932 was 2.58 million acres. Adverse weather conditions in that year caused 721 thousand acres to be abandoned. Except for 1934, producers harvested more than 1.0 million acres for all purposes each year during 1920 through 1938. The harvested acreage then moved downward to a low of 366 thousand acres in 1964. Another upward movement increased the acreage to just over 1 million acres again in 1979.

In earlier years, corn was primarily grown under dryland conditions and crop yields were highly vulnerable to moisture shortages and/or hot drying winds at pollination time. The state's average yield for grain corn didn't reach above 30 bushels per acre until 1956 when just over 68 percent of the harvested acreage was grown under irrigation. Since 1975, more than 95 percent of the state's corn for grain crop has been produced on irrigated land and virtually all of the corn harvested for silage is also raised under irrigation. Producers have averaged more than 100 bushels per acre on corn each year since 1976 with the record high of 160.0 bushels per acre reached in 1988.

Colorado produces a high quality grain corn crop that is field dried naturally by bright, sunny days and low humidity. Historically much of the crop was used within the state to support its large cattle industry. That continues to be true, but corn processing for the production of high fructose corn syrup and other food and feed products is becoming increasingly important. Corn processing in Colorado currently consumes the equivalent of 8 percent of all corn grown in the state.

Faced with large Colorado crops, large national crops and building surpluses of corn, the Colorado Corn Growers Association worked in 1987 to establish a marketing order for corn. By state-wide referendum corn growers passed a 1 cent per bushel assessment on corn produced in Colorado. The funds are managed by the 11 farmer-member, farmer-elected board and alternates of the Colorado Corn Administrative Committee (CCAC), and invested in programs to stimulate long-term marketing opportunities through education, research and development, and market promotion.

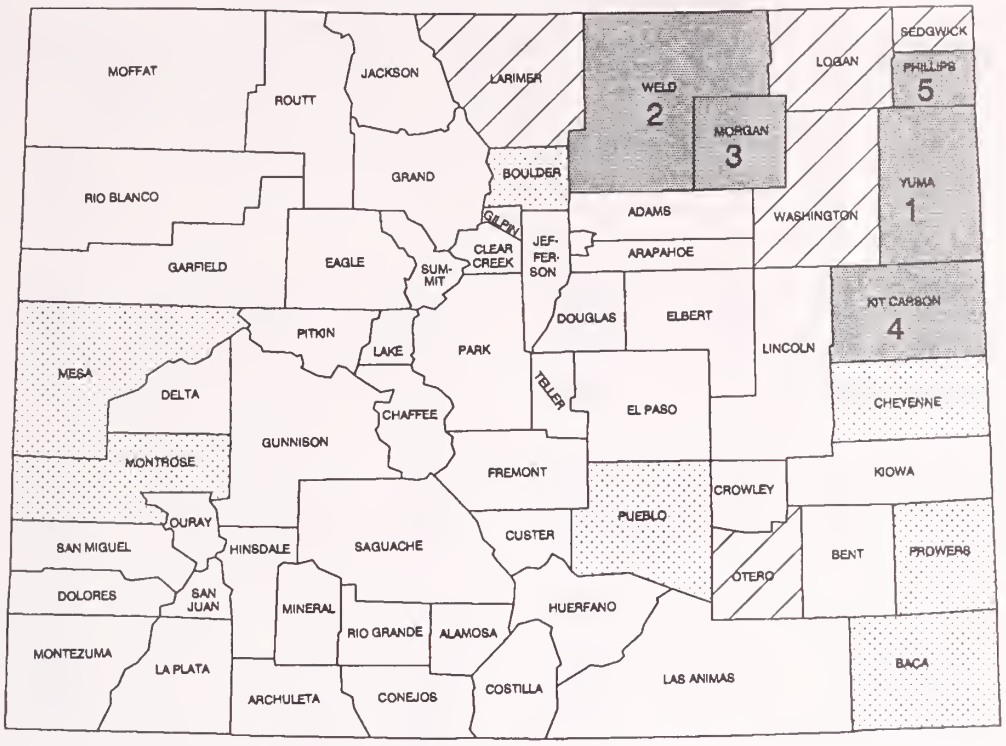
Corn is a feedstock commodity marketed as an input in the production of a wide variety of end products. It's traditional use and dominant value in the production of animal protein end products makes it one of the primary feedstock material providing the feed energy nutritional basis for livestock and poultry feeds.

Wet and dry milling industries have also been long established purchasers and processors of corn. The last decade has witnessed dramatic changes in corn processing regarding volume-dominant products. The development of HFCS in the 1970's resulted in corn demand growth from 45 million bushels in 1975 to over 500 million bushels in 1990. The energy shortages in the 1970's and the necessity for the development of alternative fuels stimulated corn demand for ethanol from a few million bushels in the late 1970's to about 400 million bushels in 1990. The nation's first oxygenated fuels program having been demonstrated in Colorado and the passage of amendments to the Clean Air Act calling for wide-spread use of such fuels hold promise of increased corn demand. The combined use of corn for sweeteners and ethanol now far exceed corn use for all other industrial purposes and continues to grow.

These and other examples have stimulated a new appraisal of the nation's corn crop as an increasingly valuable manufacturing feedstock that is environmentally benign and annually renewable. The potential to add value to corn by converting its fractions (starch, protein, and oil) to price-competitive, environmentally safe products is becoming more of a reality each year. Using corn starch polymers in combination with polyethylene or polystyrene to add a degradable function to plastics is currently receiving considerable research and development and marketing attention.

Renewed interest in industrial biotechnology, the large-scale biotransformation of raw materials to higher-value products produced in large volumes, is in search of purpose, direction and support. Programs developed by the CCAC are providing those needs.

Corn for Grain: Production by County, Colorado, 1990
with Ranking of First Five Counties



BUSHELS

UNDER 1,000,000 | 1,000,000-1,999,999 | 2,000,000-9,999,999 | 10,000,000 PLUS

Corn for Grain: Acreage and production by district, Colorado, 1989-90

District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Northeast	481,000	396,000	144.0	57,025,000	12,000	51.0	612,000	408,000	141.5	57,637,000
East Central	448,000	409,000	154.0	62,986,000	16,000	58.0	928,000	425,000	150.5	63,914,000
Southwest	49,000	34,000	141.0	4,794,000	...	...	...	34,000	141.0	4,794,000
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Southeast	72,000	63,000	135.0	8,505,000	...	...	...	63,000	135.0	8,505,000
State Total	1,050,000	902,000	148.0	133,310,000	28,000	55.0	1,540,000	930,000	145.0	134,850,000
1990										
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Northeast	430,000	343,000	156.5	53,660,000	11,000	58.0	640,000	354,000	153.5	54,300,000
East Central	407,000	370,000	163.5	60,500,000	15,000	57.5	860,000	385,000	159.5	61,360,000
Southwest	43,000	31,000	148.0	4,590,000	...	...	...	31,000	148.0	4,590,000
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Southeast	70,000	60,000	140.0	8,400,000	...	...	...	60,000	140.0	8,400,000
State Total	950,000	804,000	158.0	127,150,000	26,000	57.5	1,500,000	830,000	155.0	128,650,000

1/ Planted for all purposes.

Corn for Grain: Acreage and production by county, Colorado, 1989

County	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	11,000	8,500	130.0	1,105,000	...	...	...	8,500	130.0	1,105,000
Alamosa	...	...	...	...	...	...	...	...	...	...
Arapahoe	600	...	...	...	...	...	...	...	...	...
Archuleta	...	...	...	...	...	...	...	...	...	...
Baca	10,000	9,000	160.0	1,440,000	...	...	...	9,000	160.0	1,440,000
Bent	8,000	6,500	120.0	780,000	...	...	...	6,500	120.0	780,000
Boulder	12,000	10,000	135.0	1,350,000	...	...	...	10,000	135.0	1,350,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	10,000	9,000	140.0	1,260,000	...	...	...	9,000	140.0	1,260,000
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	...	...	...	...	...	...	...	...	...	...
Costilla	...	...	...	...	...	...	...	...	...	...
Crowley	6,500	5,500	110.0	605,000	...	...	...	5,500	110.0	605,000
Custer	...	...	...	...	...	...	...	...	...	...
Delta	10,000	6,700	150.0	1,005,000	...	...	...	6,700	150.0	1,005,000
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	...	...	...	...	...	...	...	...	...	...
Douglas	200	200	120.0	24,000	...	...	...	200	120.0	24,000
Eagle	...	...	...	...	...	...	...	...	...	...
Elbert	300	...	...	...	...	...	...	...	...	...
El Paso	500	200	120.0	24,000	...	...	...	200	120.0	24,000
Fremont	500	...	...	...	...	...	...	...	...	...
Garfield	300	...	...	...	...	...	...	...	...	...
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...	...
Jefferson	...	...	...	...	...	...	...	...	...	...
Kiowa	900	600	130.0	78,000	...	...	...	600	130.0	78,000
Kit Carson	80,500	73,000	145.0	10,585,000	1,000	60.0	60,000	74,000	144.0	10,645,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	400	300	130.0	39,000	...	...	...	300	130.0	39,000
Larimer	37,000	24,500	140.0	3,430,000	500	40.0	20,000	25,000	138.0	3,450,000
Las Animas	1,000	500	136.0	68,000	...	...	...	500	136.0	68,000
Lincoln	500	500	140.0	70,000	...	...	...	500	140.0	70,000
Logan	60,000	50,000	136.0	6,800,000	5,000	54.0	270,000	55,000	128.5	7,070,000
Mesa	19,000	13,000	142.0	1,846,000	...	...	...	13,000	142.0	1,846,000
Mineral	...	...	...	...	...	...	...	...	...	...
Moffat	...	...	...	...	...	...	...	...	...	...
Montezuma	300	...	...	...	...	...	...	...	...	...
Montrose	19,000	14,000	136.0	1,904,000	...	...	...	14,000	136.0	1,904,000
Morgan	90,000	83,000	145.0	12,035,000	...	...	...	83,000	145.0	12,035,000
Otero	22,000	21,000	130.0	2,730,000	...	...	...	21,000	130.0	2,730,000
Ouray	...	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	76,500	64,000	149.0	9,536,000	8,000	65.0	520,000	72,000	139.5	10,056,000
Pitkin	...	...	...	...	...	...	...	...	...	...
Prowers	14,000	12,000	141.0	1,692,000	...	...	...	12,000	141.0	1,692,000
Pueblo	10,000	8,500	140.0	1,190,000	...	...	...	8,500	140.0	1,190,000
Rio Blanco	...	...	...	...	...	...	...	...	...	...
Rio Grande	...	...	...	...	...	...	...	...	...	...
Routt	...	...	...	...	...	...	...	...	...	...
Saguache	...	...	...	...	...	...	...	...	...	...
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	...	...	...	...	...	...	...	...	...	...
Sedgwick	42,000	34,000	142.0	4,828,000	6,000	49.5	297,000	40,000	128.0	5,125,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	27,000	22,000	152.0	3,344,000	3,000	48.0	144,000	25,000	139.5	3,488,000
Weld	240,000	194,500	147.0	28,582,000	500	50.0	25,000	195,000	146.5	28,607,000
Yuma	240,000	231,000	160.0	36,960,000	4,000	51.0	204,000	235,000	158.0	37,164,000
State Total	1,050,000	902,000	148.0	133,310,000	28,000	55.0	1,540,000	930,000	145.0	134,850,000

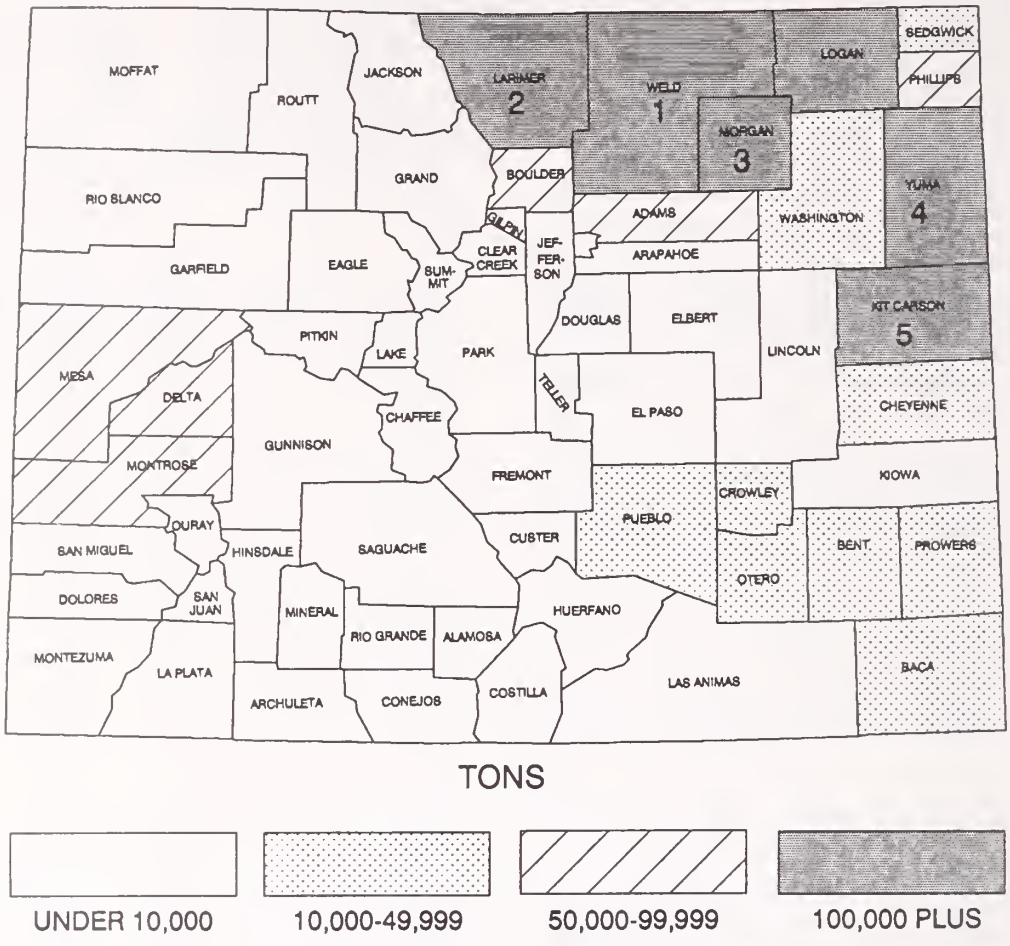
1/ Planted for all purposes.

Corn for Grain: Acreage and production by county, Colorado, 1990

County	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	9,800	7,000	138.5	970,000	...	...	...	7,000	138.5	970,000
Alamosa	...	...	...	...	...	...	...	...	...	...
Arapahoe	300	...	...	...	...	...	...	...	...	...
Archuleta	...	...	...	...	...	...	...	...	...	...
Baca	11,200	10,200	130.0	1,326,000	...	...	...	10,200	130.0	1,326,000
Bent	8,500	6,900	125.0	862,000	...	...	...	6,900	125.0	862,000
Boulder	11,500	8,500	148.0	1,260,000	...	...	...	8,500	148.0	1,260,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	8,100	7,200	148.5	1,070,000	...	...	...	7,200	148.5	1,070,000
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	...	...	...	...	...	...	...	...	...	...
Costilla	...	...	...	...	...	...	...	...	...	...
Crowley	5,800	4,800	115.0	552,000	...	...	...	4,800	115.0	552,000
Custer	...	...	...	...	...	...	...	...	...	...
Delta	9,500	6,500	144.5	940,000	...	...	...	6,500	144.5	940,000
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	...	...	...	...	...	...	...	...	...	...
Douglas	...	...	...	...	...	...	...	...	...	...
Eagle	...	...	...	...	...	...	...	...	...	...
Elbert	300	...	...	...	...	...	...	...	...	...
El Paso	200	...	...	...	...	...	...	...	...	...
Fremont	600	200	135.0	27,000	...	...	...	200	135.0	27,000
Garfield	300	...	...	...	...	...	...	...	...	...
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...	...
Jefferson	...	...	...	...	...	...	...	...	...	...
Kiowa	300	300	143.5	43,000	...	...	...	300	143.5	43,000
Kit Carson	74,000	67,000	158.0	10,600,000	1,000	55.0	55,000	68,000	156.5	10,655,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	200	...	...	...	...	...	...	...	...	...
Larimer	32,500	22,000	150.0	3,300,000	...	...	...	22,000	150.0	3,300,000
Las Animas	1,000	500	126.0	63,000	...	...	...	500	126.0	63,000
Lincoln	500	500	154.0	77,000	...	...	...	500	154.0	77,000
Logan	51,300	40,500	148.0	6,000,000	5,500	54.5	300,000	46,000	137.0	6,300,000
Mesa	16,100	12,000	146.5	1,760,000	...	...	...	12,000	146.5	1,760,000
Mineral	...	...	...	...	...	...	...	...	...	...
Moffat	...	...	...	...	...	...	...	...	...	...
Montezuma	200	...	...	...	...	...	...	...	...	...
Montrose	16,500	12,500	151.0	1,890,000	...	...	...	12,500	151.0	1,890,000
Morgan	84,000	75,000	164.0	12,300,000	...	...	...	75,000	164.0	12,300,000
Otero	19,500	18,100	140.0	2,530,000	...	...	...	18,100	140.0	2,530,000
Ouray	200	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	73,000	61,300	163.5	10,030,000	8,700	65.0	564,000	70,000	151.5	10,594,000
Pitkin	...	...	...	...	...	...	...	...	...	...
Prowers	12,500	10,300	146.5	1,510,000	...	...	...	10,300	146.5	1,510,000
Pueblo	10,900	9,000	170.0	1,530,000	...	...	...	9,000	170.0	1,530,000
Rio Blanco	...	...	...	...	...	...	...	...	...	...
Rio Grande	...	...	...	...	...	...	...	...	...	...
Routt	...	...	...	...	...	...	...	...	...	...
Saguache	...	...	...	...	...	...	...	...	...	...
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	...	...	...	...	...	...	...	...	...	...
Sedgwick	42,200	34,500	150.5	5,200,000	5,500	62.0	340,000	40,000	138.5	5,540,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	21,500	18,200	165.5	3,010,000	2,300	41.5	96,000	20,500	151.5	3,106,000
Weld	208,500	162,500	157.5	25,600,000	...	...	...	162,500	157.5	25,600,000
Yuma	219,000	208,500	166.5	34,700,000	3,000	48.5	145,000	211,500	165.0	34,845,000
State Total	950,000	804,000	158.0	127,150,000	26,000	57.5	1,500,000	830,000	155.0	128,650,000

1/ Planted for all purposes.

Corn for Silage: Production by County, Colorado, 1990
with Ranking of First Five Counties



Corn for Silage: Acreage and production by district, Colorado, 1989-90

District	Acreage planted 1/	Acreage harvested	Yield per acre	Production
1989	Acres	Acres	Tons	Tons
NW & Mountain	...	...	...	...
Northeast	481,000	71,000	23.5	1,662,000
East Central	448,000	20,000	20.0	400,000
Southwest	49,000	15,000	21.0	315,000
San Luis Valley	...	...	...	...
Southeast	72,000	9,000	17.0	153,000
State Total	1,050,000	115,000	22.0	2,530,000
1990				
NW & Mountain	...	...	...	...
Northeast	430,000	74,000	24.0	1,763,000
East Central	407,000	21,000	21.5	450,000
Southwest	43,000	12,000	20.0	240,000
San Luis Valley	...	...	...	...
Southeast	70,000	10,000	18.0	180,000
State Total	950,000	117,000	22.5	2,633,000

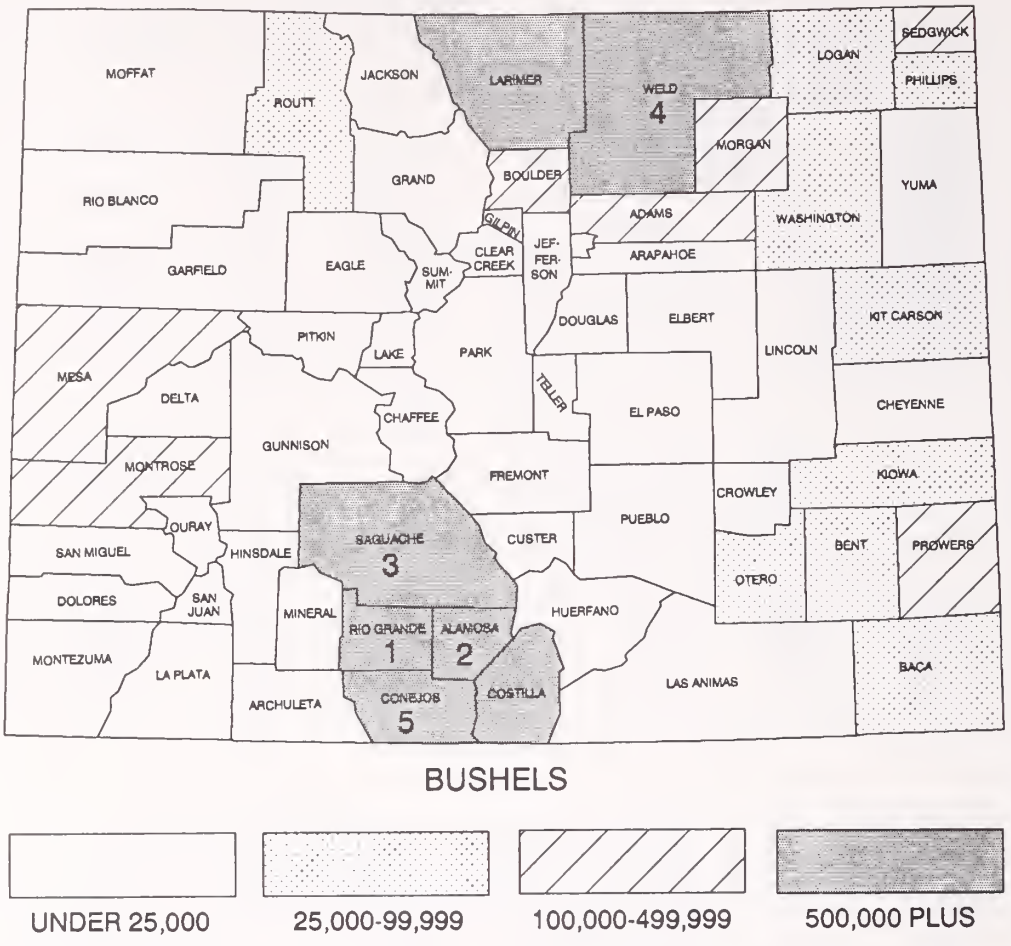
1/ Planted for all purposes.

Corn for Silage: Acreage and production by county, Colorado, 1988-90

County	Acreage harvested			Yield per acre			Production		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
	Acres			Tons			Tons		
Adams	2,000	2,500	2,600	24.0	22.0	23.0	48,000	55,000	60,000
Alamosa	...	...	...	...	...	...	...	...	...
Arapahoe	500	500	300	18.0	17.0	16.5	9,000	8,500	4,900
Archuleta	...	...	...	...	...	...	...	...	...
Baca	700	1,000	1,000	15.0	17.0	16.5	10,500	17,000	16,400
Bent	1,400	1,500	1,600	22.5	16.0	17.0	31,500	24,000	26,800
Boulder	2,000	2,000	2,500	18.0	21.0	21.0	36,000	42,000	52,000
Chaffee	...	...	...	...	...	...	...	...	...
Cheyenne	1,000	1,000	800	20.0	15.0	13.5	20,000	15,000	10,700
Clear Creek	...	...	...	...	...	...	...	...	...
Conejos	...	...	...	...	...	...	...	...	...
Costilla	...	...	...	...	...	...	...	...	...
Crowley	800	1,000	1,000	20.0	21.0	18.0	16,000	21,000	18,000
Custer	...	...	...	...	...	...	...	...	...
Delta	2,600	3,300	3,000	25.0	25.0	21.5	65,000	82,500	64,500
Denver	...	...	...	...	...	...	...	...	...
Dolores	...	...	...	...	...	...	...	...	...
Douglas	...	...	...	...	...	...	...	...	...
Eagle	...	...	...	...	...	...	...	...	...
Elbert	200	200	300	10.0	10.0	11.5	2,000	2,000	3,400
El Paso	300	300	200	20.0	15.0	15.0	6,000	4,500	3,000
Fremont	200	500	400	15.0	20.0	19.5	3,000	10,000	7,700
Garfield	400	300	300	17.5	15.0	15.5	7,000	4,500	4,600
Gilpin	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...
Jefferson	...	...	...	...	...	...	...	...	...
Kiowa	...	...	...	...	...	...	...	...	...
Kit Carson	6,000	6,500	5,800	21.5	19.0	21.0	129,000	123,000	123,000
Lake	...	...	...	...	...	...	...	...	...
La Plata	200	100	200	15.0	15.0	12.5	3,000	1,500	2,500
Larimer	9,000	12,000	10,500	22.5	23.5	23.0	202,000	282,000	242,000
Las Animas	400	500	500	20.0	18.0	19.5	8,000	9,000	9,800
Lincoln	...	...	...	...	...	...	...	...	...
Logan	2,500	4,000	5,000	13.0	20.0	20.0	33,000	80,000	100,000
Mesa	4,800	6,000	4,100	22.0	21.5	20.0	106,000	129,000	82,000
Mineral	...	...	...	...	...	...	...	...	...
Moffat	...	...	...	...	...	...	...	...	...
Montezuma	...	300	200	...	15.0	12.5	...	4,500	2,500
Montrose	5,000	5,000	4,000	18.5	18.5	20.5	92,000	93,000	81,500
Morgan	6,000	7,000	9,000	25.5	20.0	23.5	153,000	140,000	211,000
Otero	2,500	1,000	1,400	21.0	17.0	18.0	52,000	17,000	25,200
Ouray	...	...	200	...	...	12.0	...	...	2,400
Park	...	...	...	...	...	...	...	...	...
Phillips	1,000	2,000	3,000	23.0	20.0	21.0	23,000	40,000	63,000
Pitkin	...	...	...	...	...	...	...	...	...
Prowers	3,000	2,000	2,200	23.0	15.5	17.5	69,000	31,000	38,600
Pueblo	2,000	1,500	1,900	20.0	16.0	19.5	40,000	24,000	37,500
Rio Blanco	...	...	...	...	...	...	...	...	...
Rio Grande	...	...	...	...	...	...	...	...	...
Routt	...	...	...	...	...	...	...	...	...
Saguache	...	...	...	...	...	...	...	...	...
San Juan	...	...	...	...	...	...	...	...	...
San Miguel	...	...	...	...	...	...	...	...	...
Sedgwick	500	1,000	1,500	24.0	19.0	18.0	12,000	19,000	27,000
Summit	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...
Washington	1,000	2,000	1,000	21.0	21.0	21.0	21,000	42,000	21,000
Weld	45,000	45,000	45,500	25.0	24.5	25.0	1,124,000	1,099,000	1,131,000
Yuma	4,000	5,000	7,000	23.5	22.0	23.0	94,000	110,000	161,000
State Total	105,000	115,000	117,000	23.0	22.0	22.5	2,415,000	2,530,000	2,633,000

Barley: Production by County, Colorado, 1990

with Ranking of First Five Counties



BUSHELS

UNDER 25,000	25,000-99,999	100,000-499,999	500,000 PLUS

Barley: Acreage and production by district, Colorado, 1989-90

District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
NW & Mountain	4,000	...	...	...	3,000	30.0	90,000	3,000	30.0	90,000
Northeast	51,000	27,500	85.0	2,338,000	17,500	32.0	560,000	45,000	64.5	2,898,000
East Central	29,500	4,500	72.0	324,000	18,500	33.0	611,000	23,000	40.5	935,000
Southwest	6,500	6,000	92.0	552,000	...	...	...	6,000	92.0	552,000
San Luis Valley	79,000	75,000	97.0	7,293,000	...	...	...	75,000	97.0	7,293,000
Southeast	20,000	4,000	80.0	320,000	4,000	18.0	72,000	8,000	49.0	392,000
State Total	190,000	117,000	92.5	10,827,000	43,000	31.0	1,333,000	160,000	76.0	12,160,000
1990										
NW & Mountain	3,200	...	...	...	3,000	30.0	90,000	3,000	30.0	90,000
Northeast	41,500	30,000	76.0	2,280,000	10,000	29.0	290,000	40,000	64.5	2,570,000
East Central	13,500	4,000	60.0	240,000	8,000	26.5	210,000	12,000	37.5	450,000
Southwest	3,200	3,000	95.0	285,000	...	...	...	3,000	95.0	285,000
San Luis Valley	84,000	83,000	96.5	8,005,000	...	...	...	83,000	96.5	8,005,000
Southeast	9,600	6,000	90.0	540,000	3,000	20.0	60,000	9,000	66.5	600,000
State Total	155,000	126,000	90.0	11,350,000	24,000	27.0	650,000	150,000	80.0	12,000,000

Barley: Acreage and production by county, Colorado, 1989

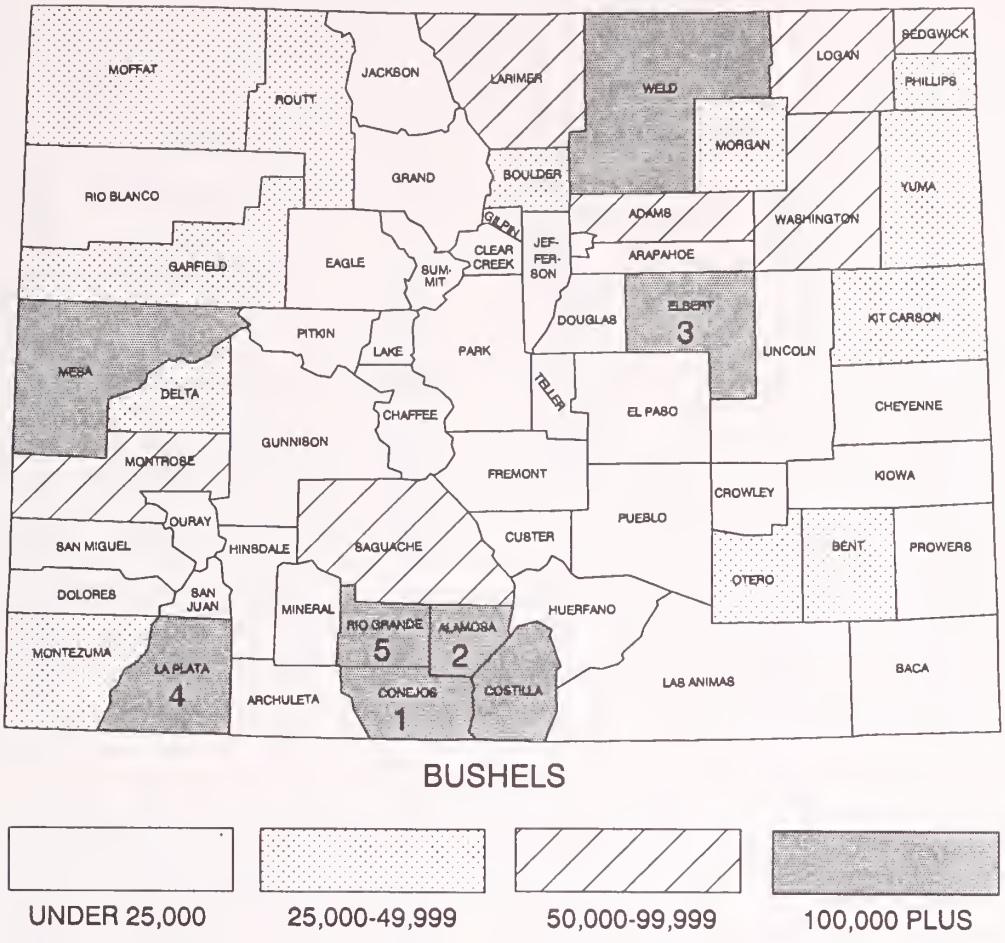
County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	11,000	1,800	72.5	130,000	7,200	35.0	252,000	9,000	42.5	382,000
Alamosa	16,000	15,500	94.0	1,455,000	...	...	...	15,500	94.0	1,455,000
Arapahoe	2,100	...	...	...	1,600	36.0	57,500	1,600	36.0	57,500
Archuleta	100	100	70.0	7,000	...	...	...	100	70.0	7,000
Baca	4,000	300	60.0	18,000	1,000	18.0	18,000	1,300	27.5	36,000
Bent	1,900	700	75.0	52,500	...	...	...	700	75.0	52,500
Boulder	3,200	2,600	80.0	208,000	400	30.0	12,000	3,000	73.5	220,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	700	...	...	...	700	30.0	21,000	700	30.0	21,000
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	12,000	11,000	85.0	935,000	...	...	...	11,000	85.0	935,000
Costilla	7,000	7,000	88.0	616,000	...	...	...	7,000	88.0	616,000
Crowley	...	...	...	...	...	...	...	...	...	...
Custer	...	...	...	...	...	...	...	...	...	...
Delta	400	400	92.5	37,000	...	...	...	400	92.5	37,000
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	...	...	...	...	...	...	...	...	...	...
Douglas	300	...	...	...	200	25.0	5,000	200	25.0	5,000
Eagle	100	...	...	...	100	20.0	2,000	100	20.0	2,000
Elbert	600	...	...	...	400	20.0	8,000	400	20.0	8,000
El Paso	...	...	...	...	...	...	...	...	...	...
Fremont	...	...	...	...	...	...	...	...	...	...
Garfield	600	600	90.0	54,000	...	...	...	600	90.0	54,000
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...	...
Jefferson	100	100	60.0	6,000	...	...	...	100	60.0	6,000
Kiowa	2,400	200	65.0	13,000	1,600	25.0	40,000	1,800	29.5	53,000
Kit Carson	5,200	1,700	75.5	128,000	2,000	40.0	80,000	3,700	56.0	208,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	300	300	55.0	16,500	...	...	...	300	55.0	16,500
Larimer	9,600	7,000	85.0	595,000	1,100	31.0	34,000	8,100	77.5	629,000
Las Animas	300	...	...	...	100	17.0	1,700	100	17.0	1,700
Lincoln	1,000	100	60.0	6,000	700	28.0	19,500	800	32.0	25,500
Logan	3,600	200	65.0	13,000	1,800	25.0	45,000	2,000	29.0	58,000
Mesa	2,600	2,300	110.0	253,000	...	...	...	2,300	110.0	253,000
Mineral	...	...	...	...	...	...	...	...	...	...
Moffat	800	...	...	...	500	20.0	10,000	500	20.0	10,000
Montezuma	100	100	65.0	6,500	...	...	...	100	65.0	6,500
Montrose	2,400	2,200	81.0	178,000	...	...	...	2,200	81.0	178,000
Morgan	4,800	1,000	64.0	64,000	3,400	32.0	108,500	4,400	39.0	172,500
Otero	1,500	400	65.0	26,000	100	18.0	1,800	500	55.5	27,800
Ouray	...	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	2,000	200	60.0	12,000	1,500	30.0	45,000	1,700	33.5	57,000
Pitkin	...	...	...	...	...	...	...	...	...	...
Prowers	12,000	2,500	87.0	217,000	2,800	18.0	50,500	5,300	50.5	267,500
Pueblo	300	100	65.0	6,500	...	...	...	100	65.0	6,500
Rio Blanco	400	...	...	...	300	25.0	7,500	300	25.0	7,500
Rio Grande	24,000	22,000	108.0	2,376,000	...	...	...	22,000	108.0	2,376,000
Routt	2,700	...	...	...	2,100	33.5	70,500	2,100	33.5	70,500
Saguache	20,000	19,500	98.0	1,911,000	...	...	...	19,500	98.0	1,911,000
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	...	...	...	...	...	...	...	...	...	...
Sedgwick	4,700	400	65.0	26,000	4,000	34.0	136,000	4,400	37.0	162,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	2,700	200	55.0	11,000	1,800	35.0	63,000	2,000	37.0	74,000
Weld	25,000	16,200	88.0	1,426,000	6,800	33.0	224,500	23,000	72.0	1,650,500
Yuma	1,500	300	80.0	24,000	800	25.0	20,000	1,100	40.0	44,000
State Total	190,000	117,000	92.5	10,827,000	43,000	31.0	1,333,000	160,000	76.0	12,160,000

Barley: Acreage and production by county, Colorado, 1990

County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	4,200	2,000	70.0	140,000	2,000	24.0	48,000	4,000	47.0	188,000
Alamosa	19,500	19,000	96.0	1,825,000	...	...	...	19,000	96.0	1,825,000
Arapahoe	700	...	...	...	600	25.0	15,000	600	25.0	15,000
Archuleta	100	100	70.0	7,000	...	...	...	100	70.0	7,000
Baca	1,200	400	75.0	30,000	600	20.0	12,000	1,000	42.0	42,000
Bent	900	800	79.0	63,000	...	...	...	800	79.0	63,000
Boulder	3,700	2,500	66.0	165,000	1,000	35.0	35,000	3,500	57.0	200,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	700	...	...	...	600	25.0	15,000	600	25.0	15,000
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	12,500	12,000	96.0	1,150,000	...	...	...	12,000	96.0	1,150,000
Costilla	8,000	8,000	95.0	760,000	...	...	...	8,000	95.0	760,000
Crowley	...	...	...	...	...	...	...	...	...	...
Custer	...	...	...	...	...	...	...	...	...	...
Delta	300	300	76.5	23,000	...	...	...	300	76.5	23,000
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	...	...	...	...	...	...	...	...	...	...
Douglas	...	...	...	...	...	...	...	...	...	...
Eagle	...	...	...	...	...	...	...	...	...	...
Elbert	500	...	...	...	300	26.5	8,000	300	26.5	8,000
El Paso	...	...	...	...	...	...	...	...	...	...
Fremont	...	...	...	...	...	...	...	...	...	...
Garfield	200	200	90.0	18,000	...	...	...	200	90.0	18,000
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...	...
Jefferson	...	...	...	...	...	...	...	...	...	...
Kiowa	1,900	500	56.0	28,000	1,300	24.5	32,000	1,800	33.5	60,000
Kit Carson	2,300	1,500	48.0	72,000	600	38.5	23,000	2,100	45.0	95,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	100	100	50.0	5,000	...	...	...	100	50.0	5,000
Larimer	7,500	7,200	78.0	560,000	100	30.0	3,000	7,300	77.0	563,000
Las Animas	...	...	...	...	...	...	...	...	...	...
Lincoln	...	...	...	...	...	...	...	...	...	...
Logan	1,900	...	...	...	1,700	23.0	39,000	1,700	23.0	39,000
Mesa	1,100	1,100	105.5	116,000	...	...	...	1,100	105.5	116,000
Mineral	...	...	...	...	...	...	...	...	...	...
Moffat	600	...	...	...	500	26.0	13,000	500	26.0	13,000
Montezuma	100	100	60.0	6,000	...	...	...	100	60.0	6,000
Montrose	1,300	1,100	100.0	110,000	...	...	...	1,100	100.0	110,000
Morgan	3,900	900	78.0	70,000	2,600	29.0	75,000	3,500	41.5	145,000
Otero	500	500	84.0	42,000	...	...	...	500	84.0	42,000
Ouray	...	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	1,300	...	...	...	1,000	30.0	30,000	1,000	30.0	30,000
Pitkin	100	...	...	...	...	...	...	...	...	...
Prowers	7,000	4,300	94.0	405,000	2,400	20.0	48,000	6,700	67.5	453,000
Pueblo	...	...	...	...	...	...	...	...	...	...
Rio Blanco	300	...	...	...	300	30.0	9,000	300	30.0	9,000
Rio Grande	24,000	24,000	102.0	2,450,000	...	...	...	24,000	102.0	2,450,000
Routt	2,200	...	...	...	2,200	31.0	68,000	2,200	31.0	68,000
Saguache	20,000	20,000	91.0	1,820,000	...	...	...	20,000	91.0	1,820,000
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	...	...	...	...	...	...	...	...	...	...
Sedgwick	3,100	...	...	...	3,000	33.5	100,000	3,000	33.5	100,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	1,100	...	...	...	1,000	25.0	25,000	1,000	25.0	25,000
Weld	21,400	19,400	76.5	1,485,000	1,600	24.0	38,000	21,000	72.5	1,523,000
Yuma	800	...	...	...	600	23.5	14,000	600	23.5	14,000
State Total	155,000	126,000	90.0	11,350,000	24,000	27.0	650,000	150,000	80.0	12,000,000

Oats: Production by County, Colorado, 1990

with Ranking of First Five Counties



Oats: Acreage and production by district, Colorado, 1989-90

District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
NW & Mountain	5,000	500	74.0	37,000	2,500	33.0	82,000	3,000	39.5	119,000
Northeast	27,000	8,000	72.0	576,000	5,000	25.0	125,000	13,000	54.0	701,000
East Central	31,000	4,000	67.0	268,000	14,000	24.0	338,000	18,000	33.5	606,000
Southwest	11,000	6,500	81.0	527,000	500	10.0	5,000	7,000	76.0	532,000
San Luis Valley	16,000	12,000	78.0	937,000	...	...	...	12,000	78.0	937,000
Southeast	5,000	2,000	65.0	130,000	...	...	...	2,000	65.0	130,000
State Total	95,000	33,000	75.0	2,475,000	22,000	25.0	550,000	55,000	55.0	3,025,000
1990										
NW & Mountain	5,000	800	55.0	44,000	2,200	32.0	70,000	3,000	38.0	114,000
Northeast	22,000	5,000	60.0	300,000	3,000	23.0	69,000	8,000	46.0	369,000
East Central	30,500	2,500	66.0	165,000	11,500	30.0	345,000	14,000	36.5	510,000
Southwest	10,500	6,700	63.0	422,000	1,300	18.5	24,000	8,000	56.0	446,000
San Luis Valley	17,000	10,000	71.5	715,000	...	...	...	10,000	71.5	715,000
Southeast	5,000	2,000	48.0	96,000	...	...	...	2,000	48.0	96,000
State Total	90,000	27,000	64.5	1,742,000	18,000	28.0	508,000	45,000	50.0	2,250,000

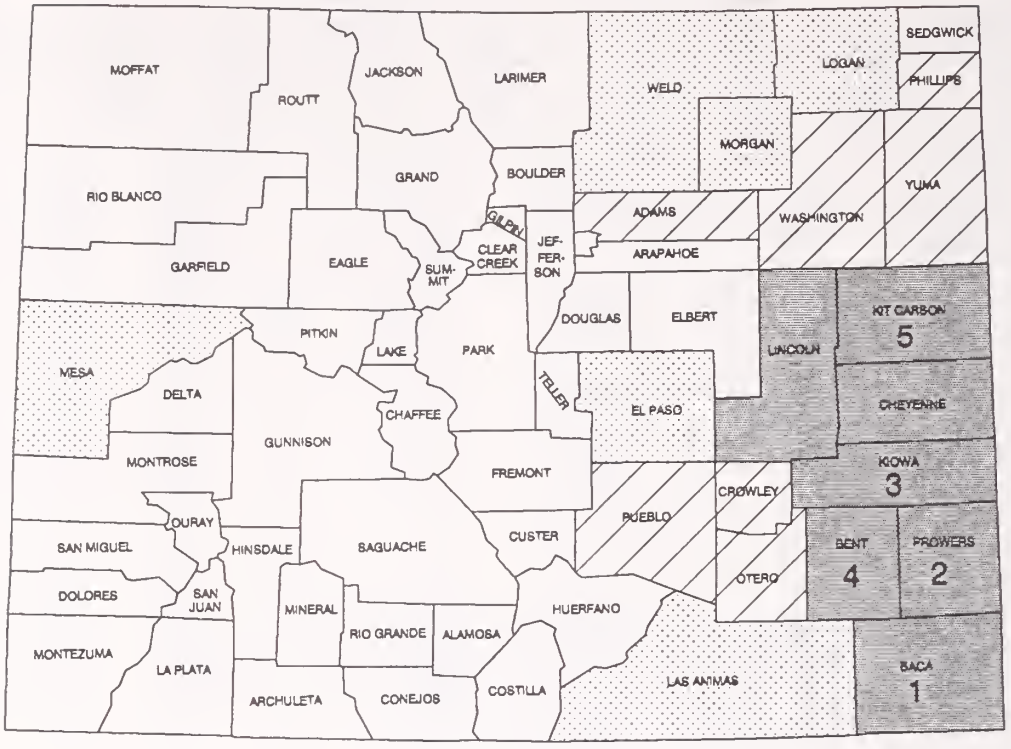
Oats: Acreage and production by county, Colorado, 1989

County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	8,000	800	62.5	50,000	5,200	25.0	130,000	6,000	30.0	180,000
Alamosa	4,000	3,000	80.0	240,000	...	...	...	3,000	80.0	240,000
Arapahoe	3,000	...	...	...	1,300	21.0	27,000	1,300	21.0	27,000
Archuleta	100	100	80.0	8,000	...	...	...	100	80.0	8,000
Baca	600	200	65.0	13,000	...	...	...	200	65.0	13,000
Bent	800	400	60.0	24,000	...	...	...	400	60.0	24,000
Boulder	2,000	500	80.0	40,000	100	20.0	2,000	600	70.0	42,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	1,500	500	68.0	34,000	200	20.0	4,000	700	54.5	38,000
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	4,000	3,400	75.0	255,000	...	...	...	3,400	75.0	255,000
Costilla	2,500	1,500	75.5	113,000	...	...	...	1,500	75.5	113,000
Crowley	...	...	...	...	...	...	...	...	...	...
Custer	...	...	...	...	...	...	...	...	...	...
Delta	1,100	600	85.0	51,000	100	10.0	1,000	700	74.5	52,000
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	200	100	80.0	8,000	...	...	...	100	80.0	8,000
Douglas	500	...	...	...	200	20.0	4,000	200	20.0	4,000
Eagle	500	200	75.0	15,000	...	...	...	200	75.0	15,000
Elbert	3,000	500	60.0	30,000	1,500	30.0	45,000	2,000	37.5	75,000
El Paso	1,000	300	66.5	20,000	...	...	...	300	66.5	20,000
Fremont	...	...	...	...	...	...	...	...	...	...
Garfield	800	700	75.5	53,000	...	...	...	700	75.5	53,000
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	...	...	...	...	...	...	...	...	...	...
Jefferson	100	...	...	...	...	...	...	...	...	...
Kiowa	500	...	...	...	100	20.0	2,000	100	20.0	2,000
Kit Carson	3,000	700	73.0	51,000	1,100	19.0	21,000	1,800	40.0	72,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	3,000	2,000	82.0	164,000	300	10.0	3,000	2,300	72.5	167,000
Larimer	3,500	1,500	75.5	113,000	400	20.0	8,000	1,900	63.5	121,000
Las Animas	1,500	400	65.0	26,000	...	...	...	400	65.0	26,000
Lincoln	2,000	...	...	...	1,200	18.5	22,000	1,200	18.5	22,000
Logan	5,000	900	69.0	62,000	2,600	22.0	57,000	3,500	34.0	119,000
Mesa	2,700	1,600	84.5	135,000	...	...	...	1,600	84.5	135,000
Mineral	500	200	75.0	15,000	...	...	...	200	75.0	15,000
Moffat	2,200	...	...	...	1,200	30.0	36,000	1,200	30.0	36,000
Montezuma	900	300	76.5	23,000	...	...	...	300	76.5	23,000
Montrose	1,500	900	75.5	68,000	100	10.0	1,000	1,000	69.0	69,000
Morgan	4,000	1,200	60.0	72,000	...	...	...	1,200	60.0	72,000
Otero	800	400	70.0	28,000	...	...	...	400	70.0	28,000
Ouray	...	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	4,000	...	...	...	2,300	26.0	60,000	2,300	26.0	60,000
Pitkin	...	...	...	...	...	...	...	...	...	...
Prowers	900	500	64.0	32,000	...	...	...	500	64.0	32,000
Pueblo	400	100	70.0	7,000	...	...	...	100	70.0	7,000
Rio Blanco	800	100	70.0	7,000	500	36.0	18,000	600	41.5	25,000
Rio Grande	2,000	1,800	85.5	154,000	...	...	...	1,800	85.5	154,000
Routt	1,500	200	75.0	15,000	800	35.0	28,000	1,000	43.0	43,000
Saguache	3,000	2,100	76.0	160,000	...	...	...	2,100	76.0	160,000
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	700	200	85.0	17,000	...	...	...	200	85.0	17,000
Sedgwick	5,900	900	60.0	54,000	1,900	30.5	58,000	2,800	40.0	112,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	3,000	700	67.0	47,000	600	25.0	15,000	1,300	47.5	62,000
Weld	6,500	3,000	78.5	235,000	...	...	...	3,000	78.5	235,000
Yuma	1,500	500	72.0	36,000	300	26.5	8,000	800	55.0	44,000
State Total	95,000	33,000	75.0	2,475,000	22,000	25.0	550,000	55,000	55.0	3,025,000

Oats: Acreage and production by county, Colorado, 1990

County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Acres	Bu.	Bushels	Acres	Bu.	Bushels	Acres	Bu.	Bushels
Adams	5,500	600	60.0	36,000	2,200	25.0	55,000	2,800	32.5	91,000
Alamosa	5,500	2,500	78.0	195,000	...	...	...	2,500	78.0	195,000
Arapahoe	2,000	...	...	...	700	26.5	18,500	700	26.5	18,500
Archuleta	100	...	...	...	100	25.0	2,500	100	25.0	2,500
Baca	500	200	45.0	9,000	...	...	...	200	45.0	9,000
Bent	1,100	700	47.0	33,000	...	...	...	700	47.0	33,000
Boulder	1,800	400	65.0	26,000	...	...	...	400	65.0	26,000
Chaffee	...	...	...	...	...	...	...	...	...	...
Cheyenne	1,200	200	70.0	14,000	200	27.5	5,500	400	49.0	19,500
Clear Creek	...	...	...	...	...	...	...	...	...	...
Conejos	4,000	3,500	68.0	238,000	...	...	...	3,500	68.0	238,000
Costilla	1,800	1,500	66.5	100,000	...	...	...	1,500	66.5	100,000
Crowley	...	...	...	...	...	...	...	...	...	...
Custer	...	...	...	...	...	...	...	...	...	...
Delta	900	600	78.5	47,000	...	...	...	600	78.5	47,000
Denver	...	...	...	...	...	...	...	...	...	...
Dolores	...	...	...	...	...	...	...	...	...	...
Douglas	1,000	...	...	...	300	36.5	11,000	300	36.5	11,000
Eagle	600	200	65.0	13,000	...	...	...	200	65.0	13,000
Elbert	7,000	800	67.5	54,000	2,900	41.5	120,000	3,700	47.0	174,000
El Paso	1,500	...	...	...	800	30.0	24,000	800	30.0	24,000
Fremont	...	...	...	...	...	...	...	...	...	...
Garfield	800	500	64.0	32,000	...	...	...	500	64.0	32,000
Gilpin	...	...	...	...	...	...	...	...	...	...
Grand	...	...	...	...	...	...	...	...	...	...
Gunnison	...	...	...	...	...	...	...	...	...	...
Hinsdale	...	...	...	...	...	...	...	...	...	...
Huerfano	...	...	...	...	...	...	...	...	...	...
Jackson	200	100	50.0	5,000	...	...	...	100	50.0	5,000
Jefferson	...	...	...	...	...	...	...	...	...	...
Kiowa	300	...	...	...	...	...	...	...	...	...
Kit Carson	2,500	200	70.0	14,000	800	21.5	17,000	1,000	31.0	31,000
Lake	...	...	...	...	...	...	...	...	...	...
La Plata	3,200	1,900	59.0	112,000	1,000	19.0	19,000	2,900	45.0	131,000
Larimer	2,500	1,100	62.5	69,000	...	...	...	1,100	62.5	69,000
Las Animas	1,100	200	45.0	9,000	...	...	...	200	45.0	9,000
Lincoln	1,500	...	...	...	700	21.5	15,000	700	21.5	15,000
Logan	4,300	1,000	57.0	57,000	1,500	20.0	30,000	2,500	35.0	87,000
Mesa	2,000	1,600	65.0	104,000	...	...	...	1,600	65.0	104,000
Mineral	300	100	65.0	6,500	...	...	...	100	65.0	6,500
Moffat	1,600	...	...	...	1,200	29.0	35,000	1,200	29.0	35,000
Montezuma	1,100	600	55.0	33,000	...	...	...	600	55.0	33,000
Montrose	1,900	1,500	62.5	94,000	...	...	...	1,500	62.5	94,000
Morgan	2,500	600	50.0	30,000	200	20.0	4,000	800	42.5	34,000
Otero	1,000	500	52.0	26,000	...	...	...	500	52.0	26,000
Ouray	...	...	...	...	...	...	...	...	...	...
Park	...	...	...	...	...	...	...	...	...	...
Phillips	3,000	...	...	...	1,400	28.0	39,000	1,400	28.0	39,000
Pitkin	...	...	...	...	...	...	...	...	...	...
Prowers	800	300	46.5	14,000	...	...	...	300	46.5	14,000
Pueblo	500	100	50.0	5,000	...	...	...	100	50.0	5,000
Rio Blanco	700	300	50.0	15,000	100	30.0	3,000	400	45.0	18,000
Rio Grande	2,000	1,300	81.0	105,000	...	...	...	1,300	81.0	105,000
Routt	1,900	200	55.0	11,000	900	35.5	32,000	1,100	39.0	43,000
Saguache	3,400	1,100	64.0	70,500	...	...	...	1,100	64.0	70,500
San Juan	...	...	...	...	...	...	...	...	...	...
San Miguel	500	...	...	...	200	12.5	2,500	200	12.5	2,500
Sedgwick	4,000	500	50.0	25,000	1,000	28.0	28,000	1,500	35.5	53,000
Summit	...	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...	...
Washington	3,500	500	66.0	33,000	900	24.5	22,000	1,400	39.5	55,000
Weld	6,900	1,400	66.5	93,000	300	23.5	7,000	1,700	59.0	100,000
Yuma	1,500	200	70.0	14,000	600	30.0	18,000	800	40.0	32,000
State Total	90,000	27,000	64.5	1,742,000	18,000	28.0	508,000	45,000	50.0	2,250,000

Sorghum for Grain: Production by County, Colorado, 1990
with Ranking of First Five Counties



BUSHELS

UNDER 25,000 | 25,000-99,999 | 100,000-299,999 | 300,000 PLUS

Sorghum for Grain: Acreage and production by district, Colorado, 1989-90

District	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
NW & Mountain .	...	...	...	...	...	...	...	...	...	...
Northeast	12,000	1,800	60.0	108,000	3,000	40.0	120,000	4,800	47.5	228,000
East Central	200,000	20,000	40.0	800,000	140,000	27.0	3,780,000	160,000	28.5	4,580,000
Southwest	500	200	70.0	14,000	...	...	...	200	70.0	14,000
San Luis Valley ..	...	...	...	...	...	...	...	...	...	...
Southeast	187,500	53,000	67.5	3,578,000	107,000	28.0	2,975,000	160,000	41.0	6,553,000
State Total	400,000	75,000	60.0	4,500,000	250,000	27.5	6,875,000	325,000	35.0	11,375,000
1990										
NW & Mountain .	...	...	...	...	...	...	...	...	...	...
Northeast	7,400	500	70.0	35,000	1,700	41.0	70,000	2,200	47.5	105,000
East Central	104,000	12,200	65.0	790,000	62,300	35.0	2,180,000	74,500	40.0	2,970,000
Southwest	600	300	83.5	25,000	...	...	...	300	83.5	25,000
San Luis Valley ..	...	...	...	...	...	...	...	...	...	...
Southeast	158,000	51,000	78.5	4,000,000	92,000	35.0	3,240,000	143,000	50.5	7,240,000
State Total	270,000	64,000	76.0	4,850,000	156,000	35.0	5,490,000	220,000	47.0	10,340,000

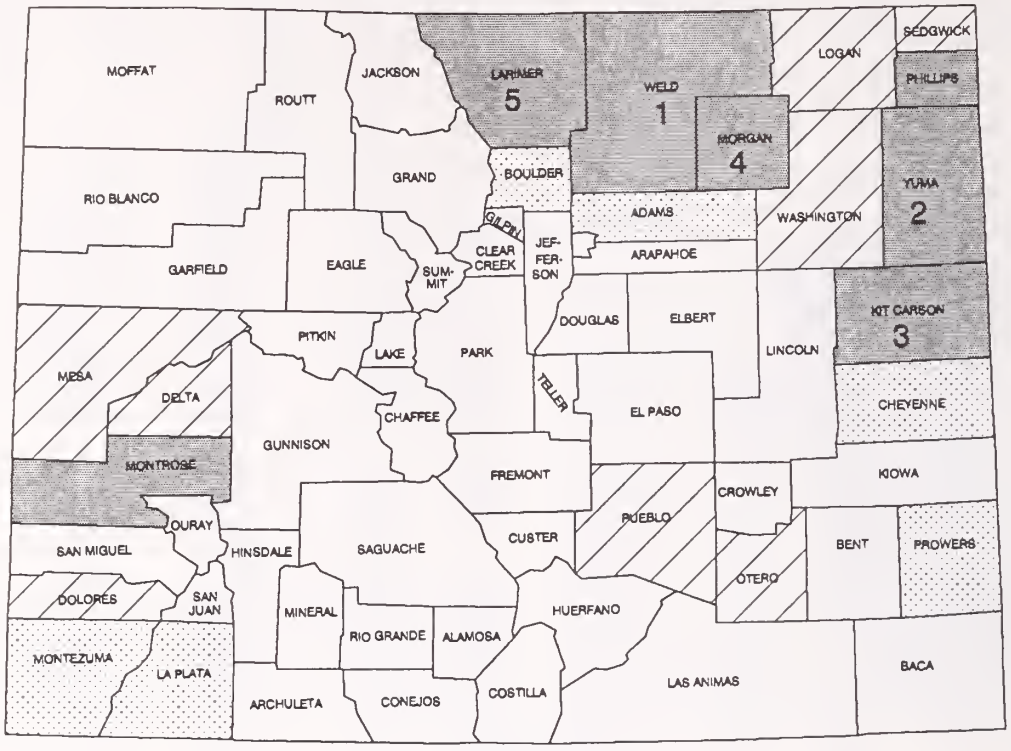
1/ Planted for all purposes.

Sorghum for Grain: Acreage and production by county, Colorado, 1989-90

County	Acreage planted 1/	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**	**Acres**	**Bu.**	**Bushels**
Adams	8,500	1,500	34.0	51,000	5,000	26.0	130,000	6,500	28.0	181,000
Arapahoe	1,500	...	...	...	1,300	25.0	32,500	1,300	25.0	32,500
Baca	119,500	19,000	64.0	1,216,000	83,000	27.5	2,274,000	102,000	34.0	3,490,000
Bent	15,500	10,500	74.0	777,000	2,500	24.0	60,000	13,000	64.5	837,000
Boulder	200	...	...	...	...	...	...	...	...	...
Cheyenne	28,200	1,500	38.0	57,000	18,500	32.0	592,000	20,000	32.5	649,000
Crowley	5,500	2,500	64.0	160,000	2,000	25.0	50,000	4,500	46.5	210,000
Elbert	300	...	...	...	200	27.5	5,500	200	27.5	5,500
El Paso	4,500	...	...	...	2,500	26.0	65,000	2,500	26.0	65,000
Kiowa	61,500	3,000	48.0	144,000	49,500	24.0	1,187,000	52,500	25.5	1,331,000
Kit Carson	25,500	9,500	36.0	342,000	8,500	26.0	221,000	18,000	31.5	563,000
Larimer	200	...	...	...	...	...	...	...	...	...
Las Animas	3,000	500	54.0	27,000	1,000	20.0	20,000	1,500	31.5	47,000
Lincoln	18,500	700	50.0	35,000	13,800	25.0	345,000	14,500	26.0	380,000
Logan	2,000	500	60.0	30,000	500	34.0	17,000	1,000	47.0	47,000
Mesa	500	200	70.0	14,000	...	...	...	200	70.0	14,000
Morgan	5,000	600	62.5	37,500	1,000	40.0	40,000	1,600	48.5	77,500
Otero	4,000	1,500	74.0	111,000	1,500	24.0	36,000	3,000	49.0	147,000
Phillips	10,500	700	55.5	39,000	8,800	30.0	264,000	9,500	32.0	303,000
Prowers	33,000	17,500	68.0	1,188,000	12,500	32.0	400,000	30,000	53.0	1,588,000
Pueblo	7,000	1,500	66.0	99,000	4,500	30.0	135,000	6,000	39.0	234,000
Sedgwick	600	...	...	...	300	30.0	9,000	300	30.0	9,000
Washington	22,000	800	50.0	40,000	16,700	29.0	482,000	17,500	30.0	522,000
Weld	4,000	700	58.0	40,500	1,200	45.0	54,000	1,900	49.5	94,500
Yuma	19,000	2,300	40.0	92,000	15,200	30.0	456,000	17,500	31.5	548,000
State Total	400,000	75,000	60.0	4,500,000	250,000	27.5	6,875,000	325,000	35.0	11,375,000
1990										
Adams	3,400	1,000	50.0	50,000	1,500	33.5	50,000	2,500	40.0	100,000
Arapahoe	600	...	...	...	...	...	...	...	...	...
Baca	110,000	21,300	73.0	1,550,000	83,700	35.0	2,940,000	105,000	43.0	4,490,000
Bent	12,500	10,000	82.0	820,000	1,200	30.0	36,000	11,200	76.5	856,000
Cheyenne	12,200	800	52.5	42,000	8,700	37.0	320,000	9,500	38.0	362,000
Crowley	4,700	2,200	72.5	160,000	800	34.0	27,000	3,000	62.5	187,000
Douglas	400	...	...	...	...	...	...	...	...	...
Elbert	400	...	...	...	200	35.0	7,000	200	35.0	7,000
El Paso	2,500	...	...	...	1,000	32.0	32,000	1,000	32.0	32,000
Kiowa	38,500	2,600	69.0	180,000	27,400	35.0	963,000	30,000	38.0	1,143,000
Kit Carson	9,400	4,400	71.5	315,000	2,400	33.5	80,000	6,800	58.0	395,000
Larimer	100	...	...	...	...	...	...	...	...	...
Las Animas	1,500	500	70.0	35,000	200	25.0	5,000	700	57.0	40,000
Lincoln	13,000	600	66.5	40,000	9,200	31.5	290,000	9,800	33.5	330,000
Logan	1,300	100	69.0	6,900	800	37.5	30,000	900	41.0	36,900
Mesa	500	300	83.5	25,000	...	...	...	300	83.5	25,000
Montrose	100	...	...	...	...	...	...	...	...	...
Morgan	3,500	100	71.0	7,100	500	42.0	21,000	600	47.0	28,100
Otero	2,300	1,500	86.5	130,000	400	32.5	13,000	1,900	75.5	143,000
Phillips	4,000	500	76.0	38,000	3,000	40.0	120,000	3,500	45.0	158,000
Prowers	24,000	14,500	84.0	1,220,000	4,700	39.0	184,000	19,200	73.0	1,404,000
Pueblo	3,000	1,000	85.0	85,000	1,000	35.0	35,000	2,000	60.0	120,000
Sedgwick	500	...	...	...	...	...	...	...	...	...
Washington	8,100	600	66.5	40,000	3,400	35.5	120,000	4,000	40.0	160,000
Weld	2,000	300	70.0	21,000	400	47.5	19,000	700	57.0	40,000
Yuma	11,500	1,700	50.0	85,000	5,500	36.0	198,000	7,200	39.5	283,000
State Total	270,000	64,000	76.0	4,850,000	156,000	35.0	5,490,000	220,000	47.0	10,340,000

1/ Planted for all purposes.

Dry Beans: Production by County, Colorado, 1990
with Ranking of First Five Counties



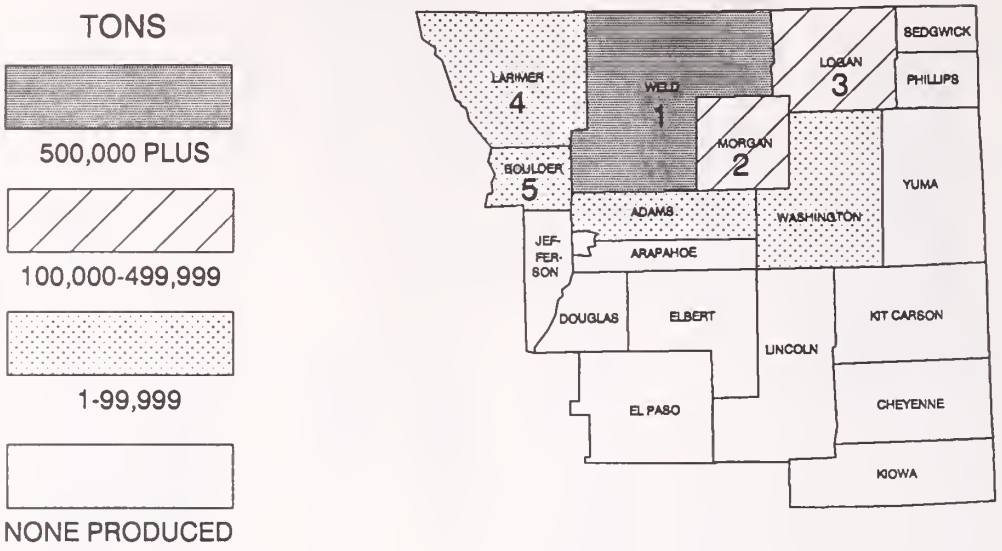
Dry Beans: Acreage and production by district, Colorado, 1989-90

District	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	Acres	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Northeast	75,000	71,000	2,040	1,447,000	1,000	900	9,000	72,000	2,020	1,456,000
East Central	62,000	58,000	1,950	1,131,000	2,000	900	18,000	60,000	1,920	1,149,000
Southwest	51,500	16,000	1,970	315,000	31,000	240	75,000	47,000	830	390,000
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Southeast	6,500	5,000	2,200	110,000	1,000	300	3,000	6,000	1,880	113,000
State Total	195,000	150,000	2,000	3,003,000	35,000	300	105,000	185,000	1,680	3,108,000
1990										
NW & Mountain	...	...	...	...	...	...	...	...	...	...
Northeast	92,000	89,000	2,230	1,985,000	1,000	1,000	10,000	90,000	2,220	1,995,000
East Central	81,500	75,000	2,160	1,618,000	5,000	800	40,000	80,000	2,070	1,658,000
Southwest	61,000	18,500	2,140	396,000	26,500	210	55,000	45,000	1,000	451,000
San Luis Valley	...	...	...	...	...	...	...	...	...	...
Southeast	10,500	7,500	2,080	156,000	2,500	600	15,000	10,000	1,710	171,000
State Total	245,000	190,000	2,190	4,155,000	35,000	340	120,000	225,000	1,900	4,275,000

Dry Beans: Acreage and production by county, Colorado, 1989-90

County	Acreage planted	Irrigated			Non-Irrigated			Total		
		Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Acres**	**Lbs.**	**Cwt.**	**Acres**	**Lbs.**	**Cwt.**	**Acres**	**Lbs.**	**Cwt.**
Adams	1,500	1,200	2,170	26,000	...	...	...	1,200	2,170	26,000
Arapahoe	100	100	2,000	2,000	...	...	...	100	2,000	2,000
Bent	200	200	1,900	3,800	...	...	...	200	1,900	3,800
Boulder	2,200	2,200	2,050	45,000	...	...	...	2,200	2,050	45,000
Cheyenne	200	200	2,000	4,000	...	...	...	200	2,000	4,000
Crowley	200	200	1,750	3,500	...	...	...	200	1,750	3,500
Delta	2,900	2,400	2,170	52,000	...	...	...	2,400	2,170	52,000
Dolores	19,000	3,600	1,500	54,000	12,400	200	25,000	16,000	490	79,000
El Paso	200	...	...	...	200	600	1,200	200	600	1,200
Kit Carson	18,500	17,400	1,980	345,000	700	1,200	8,400	18,100	1,950	353,400
La Plata	6,000	...	...	...	6,000	400	24,000	6,000	400	24,000
Larimer	9,300	9,300	2,150	200,000	...	...	...	9,300	2,150	200,000
Las Animas	100	100	2,000	2,000	...	...	...	100	2,000	2,000
Lincoln	500	200	1,500	3,000	200	700	1,400	400	1,100	4,400
Logan	9,500	8,700	1,820	158,000	...	...	...	8,700	1,820	158,000
Mesa	2,900	2,900	1,860	54,000	...	...	...	2,900	1,860	54,000
Montezuma	11,500	100	1,000	1,000	10,900	180	20,000	11,000	190	21,000
Montrose	7,100	7,000	2,200	154,000	...	...	...	7,000	2,200	154,000
Morgan	11,500	10,800	1,960	212,000	...	...	...	10,800	1,960	212,000
Otero	1,800	1,500	2,130	32,000	100	300	300	1,600	2,020	32,300
Phillips	10,000	9,500	1,790	170,000	500	720	3,600	10,000	1,740	173,600
Prowers	300	200	1,850	3,700	...	...	...	200	1,850	3,700
Pueblo	3,900	2,800	2,320	65,000	900	300	2,700	3,700	1,830	67,700
San Miguel	2,100	...	...	...	1,700	350	6,000	1,700	350	6,000
Sedgwick	6,500	5,500	1,890	104,000	500	880	4,400	6,000	1,810	108,400
Washington	6,000	5,600	1,890	106,000	200	700	1,400	5,800	1,850	107,400
Weld	36,000	34,500	2,110	728,000	500	920	4,600	35,000	2,090	732,600
Yuma	25,000	23,800	2,000	475,000	200	1,000	2,000	24,000	1,990	477,000
State Total	195,000	150,000	2,000	3,003,000	35,000	300	105,000	185,000	1,680	3,108,000
1990										
Adams	1,700	1,700	1,880	32,000	...	...	...	1,700	1,880	32,000
Arapahoe	400	...	...	...	400	750	3,000	400	750	3,000
Bent	600	600	1,500	9,000	...	...	...	600	1,500	9,000
Boulder	2,900	2,800	1,640	46,000	...	...	...	2,800	1,640	46,000
Cheyenne	500	500	2,200	11,000	...	...	...	500	2,200	11,000
Crowley	500	500	1,500	7,500	...	...	...	500	1,500	7,500
Delta	3,100	3,000	2,200	66,000	...	...	...	3,000	2,200	66,000
Dolores	24,500	3,000	1,500	45,000	12,000	150	18,000	15,000	420	63,000
El Paso	200	...	...	...	200	750	1,500	200	750	1,500
Kit Carson	23,500	21,300	2,300	489,000	1,700	880	15,000	23,000	2,190	504,000
La Plata	6,300	...	...	...	4,500	330	15,000	4,500	330	15,000
Larimer	10,700	10,600	2,370	251,000	...	...	...	10,600	2,370	251,000
Las Animas	400	...	...	...	400	700	2,800	400	700	2,800
Logan	9,100	8,900	2,030	181,000	...	...	...	8,900	2,030	181,000
Mesa	3,000	2,900	1,900	55,000	...	...	...	2,900	1,900	55,000
Montezuma	12,500	700	1,570	11,000	8,300	200	17,000	9,000	310	28,000
Montrose	9,000	8,900	2,460	219,000	...	...	...	8,900	2,460	219,000
Morgan	15,500	15,000	2,330	350,000	...	...	...	15,000	2,330	350,000
Otero	3,400	3,000	2,130	64,000	200	750	1,500	3,200	2,050	65,500
Phillips	12,200	10,800	1,930	208,000	1,200	790	9,500	12,000	1,810	217,500
Prowers	1,000	1,000	1,500	15,000	...	...	...	1,000	1,500	15,000
Pueblo	4,600	2,400	2,520	60,500	1,900	560	10,700	4,300	1,660	71,200
San Miguel	2,600	...	...	...	1,700	290	5,000	1,700	290	5,000
Sedgwick	7,800	7,000	1,960	137,000	700	990	6,900	7,700	1,870	143,900
Washington	6,800	6,400	2,270	145,000	300	670	2,000	6,700	2,190	147,000
Weld	46,000	44,700	2,280	1,020,000	300	1,030	3,100	45,000	2,270	1,023,100
Yuma	36,200	34,300	2,140	733,000	1,200	750	9,000	35,500	2,090	742,000
State Total	245,000	190,000	2,190	4,155,000	35,000	340	120,000	225,000	1,900	4,275,000

SUGAR BEETS: Production by County, Colorado, 1990
with Ranking of First Five Counties



Sugar Beets: Acreage and production by district, Colorado, 1989-90

County	1989				1990			
	Acreage		Yield per acre	Production	Acreage		Yield per acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Tons	1,000 Tons	Acres		Tons	1,000 Tons
NW & Mountain . .	...	...	...	...	...	...	...	...
Northeast	39,550	38,950	22.8	888,000	39,730	38,930	23.6	919,800
East Central	1,050	1,050	22.9	24,000	1,070	1,070	22.6	24,200
Southwest	...	...	...	...	...	...	...	...
San Luis Valley . . .	...	...	...	...	...	...	...	...
Southeast	...	...	...	...	...	...	...	...
State Total	40,600	40,000	22.8	912,000	40,800	40,000	23.6	944,000

Sugar Beets: Acreage and production by county, Colorado, 1989-90

County	1989				1990			
	Acreage		Yield per acre	Production	Acreage		Yield per acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Tons	1,000 Tons	Acres		Tons	1,000 Tons
Adams	540	540	21.7	11,700	610	610	22.3	13,600
Boulder	870	870	21.9	19,050	940	840	23.2	19,500
Larimer	2,530	2,500	21.3	53,250	2,340	2,310	21.0	48,500
Logan	4,410	4,200	20.7	86,940	4,460	4,420	23.0	101,700
Morgan	10,020	9,900	22.4	221,760	10,140	9,990	24.9	248,800
Washington	510	510	24.1	12,300	460	460	23.0	10,600
Weld	21,720	21,480	23.6	507,000	21,850	21,370	23.5	501,300
State Total	40,600	40,000	22.8	912,000	40,800	40,000	23.6	944,000

Potatoes: Acreage and production by county, Colorado, 1989-90

County	1989				1990			
	Acreage		Yield per acre	Production	Acreage		Yield per acre	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Cwt.	1,000 Cwt.	Acres		Cwt.	1,000 Cwt.
Alamosa	19,400	19,300	330	6,370	22,300	22,200	335	7,450
Conejos	2,500	2,500	335	833	2,000	2,000	340	680
Costilla	3,200	3,200	335	1,080	3,350	3,300	340	1,120
Morgan	2,000	2,000	325	650	2,000	2,000	290	580
Rio Grande	23,800	23,500	335	7,900	24,150	24,000	340	8,200
Saguache	13,100	13,000	340	4,420	13,700	13,500	345	4,650
Weld	3,700	3,600	320	1,150	3,600	3,500	275	960
Other counties	1,100	1,100	315	344	1,400	1,400	280	392
State Total	68,800	68,200	334	22,747	72,500	71,900	334	24,032

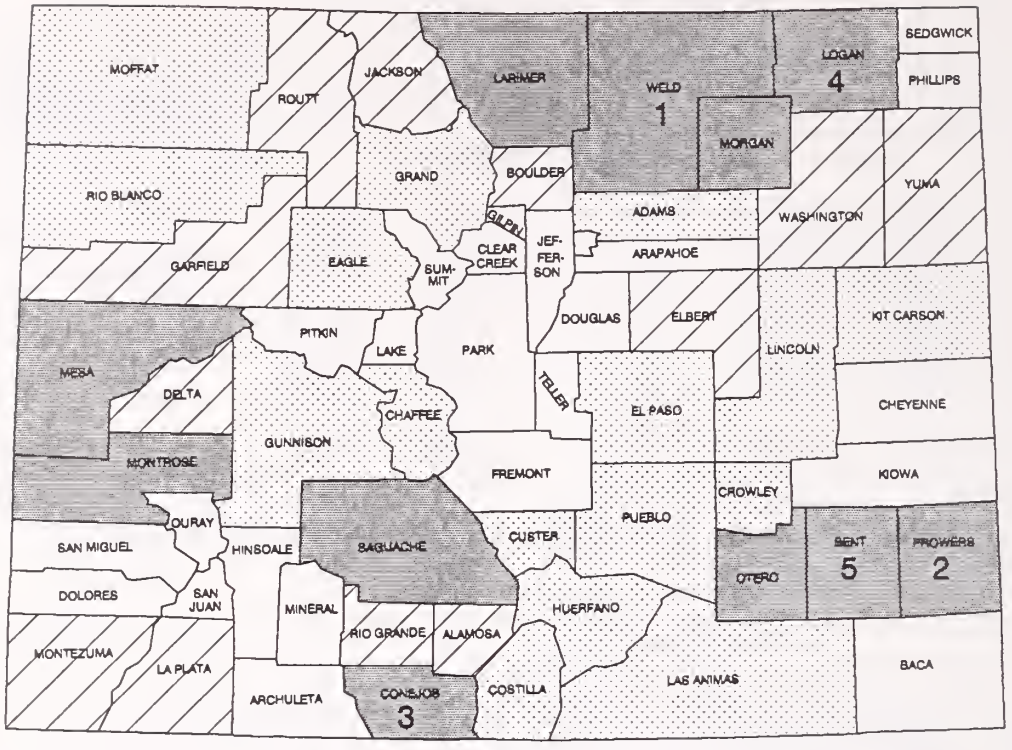
Potatoes: Production and disposition by seasonal group, Colorado, 1980-89

Year	Summer Crop					Fall Crop				
		Farm disposition					Farm Disposition			
				Sold					Sold	
	Production	Seed feed & home use	Shrinkage & loss	Quantity	% of Production	Production	Seed feed & home use	Shrinkage & loss	Quantity	% of Production
	1,000 Cwt.		1,000 Cwt.		Percent	1,000 Cwt.		1,000 Cwt.		Percent
1980	1,595	10	80	1,505	94	10,950	690	830	9,430	86
1981	1,904	3	115	1,786	94	11,600	660	940	10,000	86
1982	1,794	14	100	1,680	94	12,825	618	1,057	11,150	91
1983	1,870	9	131	1,730	93	13,950	770	1,100	12,080	87
1984	1,988	3	120	1,865	94	17,225	730	1,690	14,805	86
1985	2,220	4	31	2,185	98	17,920	836	2,873	14,211	79
1986	2,070	4	110	1,956	94	18,810	930	1,605	16,275	87
1987	1,859	3	91	1,765	95	19,500	920	1,870	16,710	86
1988	1,861	11	73	1,777	95	19,040	996	1,430	16,614	87
1989	2,144	4	90	2,050	96	20,603	1,067	1,550	17,986	87

Fall Potatoes: Production and stocks, Colorado, 1981-91

	Production	Stocks and percent of production held by growers and commercial storages											
		December 1		January 1		February 1		March 1		April 1		May 1	
		Stocks	Pct.	Stocks	Pct.	Stocks	Pct.	Stocks	Pct.	Stocks	Pct.	Stocks	Pct.
	1,000 Cwt.	1,000 Cwt.	%	1,000 Cwt.	%	1,000 Cwt.	%	1,000 Cwt.	%	1,000 Cwt.	%	1,000 Cwt.	%
1981-82	11,600	8,350	72	7,100	61	5,650	49	4,450	38	3,100	27	1,900	16
1982-83	12,825	9,550	74	8,250	64	6,750	53	5,500	43	4,000	31	2,750	21
1983-84	13,950	10,500	75	9,000	65	7,100	51	5,700	41	4,200	30	2,550	18
1984-85	17,225	12,700	74	10,950	64	8,900	52	7,150	42	5,400	31	3,350	19
1985-86	17,920	14,600	81	12,900	72	11,000	61	9,350	52	7,550	42	5,350	30
1986-87	18,810	13,600	72	11,750	62	9,750	52	8,200	44	6,300	33	4,250	23
1987-88	19,500	15,600	80	13,800	71	11,800	61	10,200	52	8,100	42	5,900	30
1988-89	19,040	14,700	77	12,950	68	11,200	59	9,450	50	7,400	39	5,500	29
1989-90	20,603	15,650	76	13,750	67	11,700	57	9,850	48	7,600	37	5,600	27
1990-91	22,100	16,200	73	14,000	63	11,400	52	9,300	42	6,900	31	4,800	22

All Hay: Production by County, Colorado, 1990
with Ranking of First Five Counties



TONS

UNDER 30,000 | 30,000-59,999 | 60,000-99,999 | 100,000 PLUS

All Hay: Acreage and production by district, Colorado, 1989-90

District	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
NW & Mountain .	275,000	1.40	385,000	40,000	.95	37,000	315,000	1.35	422,000
Northeast	203,000	4.00	814,000	52,000	1.30	68,000	255,000	3.45	882,000
East Central	66,000	3.85	254,000	169,000	1.20	201,000	235,000	1.95	455,000
Southwest	217,000	2.55	549,000	53,000	.80	42,500	270,000	2.20	591,500
San Luis Valley ..	210,000	2.10	436,000	5,000	1.30	6,500	215,000	2.05	442,500
Southeast	184,000	3.40	622,000	26,000	1.35	35,000	210,000	3.15	657,000
State Total	1,155,000	2.65	3,060,000	345,000	1.15	390,000	1,500,000	2.30	3,450,000
1990									
NW & Mountain .	301,000	1.50	456,000	39,000	1.05	41,000	340,000	1.45	497,000
Northeast	205,000	4.15	855,000	65,000	1.40	91,000	270,000	3.50	946,000
East Central	72,000	3.80	275,000	178,000	1.30	227,000	250,000	2.00	502,000
Southwest	219,000	2.75	605,000	36,000	1.00	36,000	255,000	2.50	641,000
San Luis Valley ..	214,000	2.30	489,000	6,000	1.50	9,000	220,000	2.25	498,000
Southeast	189,000	3.60	685,000	26,000	1.40	36,000	215,000	3.35	721,000
State Total	1,200,000	2.80	3,365,000	350,000	1.25	440,000	1,550,000	2.45	3,805,000

All Hay: Acreage and production by county, Colorado, 1989

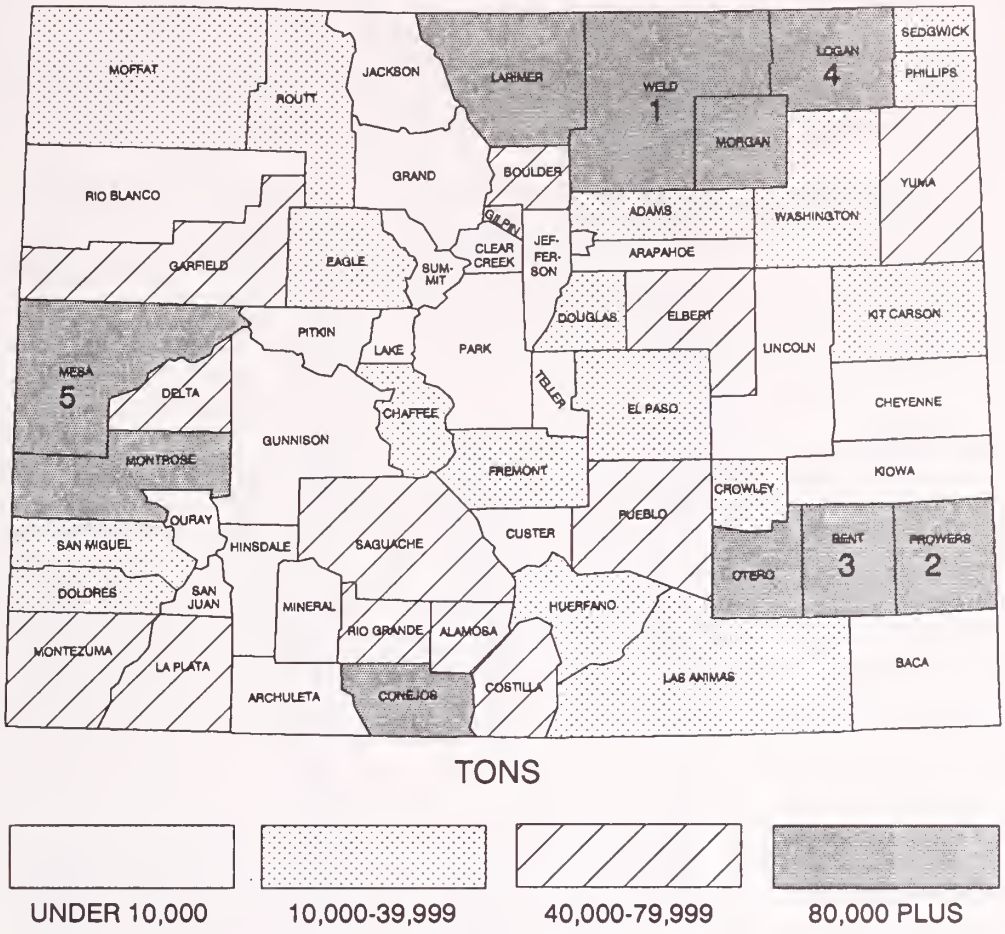
County	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	10,200	3.90	40,000	7,300	1.20	8,700	17,500	2.80	48,700
Alamosa	37,500	2.25	84,000	1,500	1.45	2,200	39,000	2.20	86,200
Arapahoe	1,900	3.75	7,100	5,000	1.15	5,700	6,900	1.85	12,800
Archuleta	5,500	2.20	12,000	2,000	.95	1,900	7,500	1.85	13,900
Baca	3,900	2.95	11,600	9,600	1.40	13,200	13,500	1.85	24,800
Bent	31,100	3.75	116,700	1,400	1.15	1,600	32,500	3.65	118,300
Boulder	19,200	3.45	66,000	1,800	1.05	1,900	21,000	3.25	67,900
Chaffee	18,000	1.70	31,000	...	...	...	18,000	1.70	31,000
Cheyenne	1,900	4.10	7,800	11,700	1.25	14,500	13,600	1.65	22,300
Clear Creek	200	1.50	300	...	...	...	200	1.50	300
Conejos	73,500	1.80	134,000	1,500	1.35	2,000	75,000	1.80	136,000
Costilla	16,100	3.10	50,000	400	1.25	500	16,500	3.05	50,500
Crowley	9,300	3.10	29,000	1,700	1.55	2,600	11,000	2.85	31,600
Custer	15,200	2.05	31,500	1,800	1.45	2,600	17,000	2.00	34,100
Delta	31,400	2.75	86,000	1,100	.90	1,000	32,500	2.70	87,000
Denver	...	...	...	...	...	...	...	...	...
Dolores	2,000	3.50	7,000	8,500	.85	7,400	10,500	1.35	14,400
Douglas	3,400	2.80	9,600	10,600	1.00	10,700	14,000	1.45	20,300
Eagle	20,000	1.50	30,000	...	...	...	20,000	1.50	30,000
Elbert	7,500	3.75	28,000	26,500	1.15	31,000	34,000	1.75	59,000
El Paso	7,200	3.45	25,000	15,800	1.00	16,000	23,000	1.80	41,000
Fremont	8,900	2.75	24,300	600	1.15	700	9,500	2.65	25,000
Garfield	34,300	2.35	80,000	1,200	.90	1,100	35,500	2.30	81,100
Gilpin	200	1.50	300	...	...	...	200	1.50	300
Grand	37,100	1.15	42,000	1,700	1.20	2,000	38,800	1.15	44,000
Gunnison	34,000	1.45	49,000	...	...	...	34,000	1.45	49,000
Hinsdale	1,000	1.20	1,200	...	...	...	1,000	1.20	1,200
Huerfano	14,100	2.35	32,900	1,400	1.05	1,500	15,500	2.20	34,400
Jackson	65,400	1.00	66,900	3,500	.90	3,200	68,900	1.00	70,100
Jefferson	4,700	2.15	10,000	2,300	1.20	2,800	7,000	1.85	12,800
Kiowa	600	2.50	1,500	10,900	1.15	12,600	11,500	1.25	14,100
Kit Carson	7,900	3.90	31,000	16,100	1.55	25,200	24,000	2.35	56,200
Lake	2,500	1.30	3,300	300	1.00	300	2,800	1.30	3,600
La Plata	28,000	2.05	57,000	7,500	.95	7,000	35,500	1.80	64,000
Larimer	28,300	3.80	108,000	4,700	.90	4,300	33,000	3.40	112,300
Las Animas	14,300	2.45	35,100	2,700	1.35	3,700	17,000	2.30	38,800
Lincoln	4,300	3.70	16,000	27,200	1.00	27,000	31,500	1.35	43,000
Logan	29,500	3.95	117,000	14,500	1.35	19,600	44,000	3.10	136,600
Mesa	36,400	3.30	121,000	1,600	1.00	1,600	38,000	3.25	122,600
Mineral	500	2.00	1,000	...	...	...	500	2.00	1,000
Moffat	11,000	1.85	20,500	15,000	.80	12,100	26,000	1.25	32,600
Montezuma	25,400	2.30	59,000	25,100	.70	17,800	50,500	1.50	76,800
Montrose	34,300	2.75	95,000	1,700	.70	1,200	36,000	2.65	96,200
Morgan	20,200	4.10	83,000	8,800	1.40	12,400	29,000	3.30	95,400
Otero	25,300	3.70	93,800	700	2.00	1,400	26,000	3.65	95,200
Ouray	11,900	1.50	18,000	1,600	.70	1,100	13,500	1.40	19,100
Park	9,500	1.30	12,500	4,000	1.00	4,000	13,500	1.20	16,500
Phillips	2,400	4.40	10,500	3,600	1.80	6,500	6,000	2.85	17,000
Pitkin	7,100	1.55	11,000	...	...	...	7,100	1.55	11,000
Prowers	48,200	4.20	201,400	3,800	1.25	4,800	52,000	3.95	206,200
Pueblo	13,700	3.35	45,700	2,300	1.25	2,900	16,000	3.05	48,600
Rio Blanco	17,500	1.90	33,000	3,500	.95	3,400	21,000	1.75	36,400
Rio Grande	27,500	2.50	69,000	500	1.20	600	28,000	2.50	69,600
Routt	42,500	1.75	74,500	10,000	1.00	10,000	52,500	1.60	84,500
Saguache	54,900	1.80	98,000	1,100	1.10	1,200	56,000	1.75	99,200
San Juan	...	...	...	500	.80	400	500	.80	400
San Miguel	6,800	1.90	12,800	2,200	.90	2,000	9,000	1.65	14,800
Sedgwick	4,300	3.50	15,000	2,700	1.40	3,800	7,000	2.70	18,800
Summit	9,000	1.00	9,200	...	...	...	9,000	1.00	9,200
Teller	1,000	1.50	1,500	2,000	1.00	2,000	3,000	1.15	3,500
Washington	6,000	3.90	23,500	23,000	1.20	28,100	29,000	1.80	51,600
Weld	96,800	4.30	415,000	17,200	1.35	23,200	114,000	3.85	438,200
Yuma	12,700	4.25	54,000	11,300	1.35	15,000	24,000	2.90	69,000
State Total	1,155,000	2.65	3,060,000	345,000	1.15	390,000	1,500,000	2.30	3,450,000

All Hay: Acreage and production by county, Colorado, 1990

County	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	10,200	3.95	40,300	10,900	1.20	13,000	21,100	2.55	53,300
Alamosa	38,000	2.35	90,200	500	1.40	700	38,500	2.35	90,900
Arapahoe	2,600	3.20	8,300	4,700	1.10	5,100	7,300	1.85	13,400
Archuleta	5,800	1.85	10,700	2,000	.95	1,900	7,800	1.60	12,600
Baca	3,100	3.40	10,500	8,200	1.30	10,700	11,300	1.90	21,200
Bent	35,400	4.05	143,000	1,300	1.15	1,500	36,700	3.95	144,500
Boulder	21,500	3.30	70,900	2,500	1.10	2,700	24,000	3.05	73,600
Chaffee	17,500	1.85	32,200	...	...	...	17,500	1.85	32,200
Cheyenne	2,200	2.70	5,900	12,800	1.30	16,600	15,000	1.50	22,500
Clear Creek	200	1.50	300	...	...	...	200	1.50	300
Conejos	71,000	2.00	143,200	2,000	1.35	2,700	73,000	2.00	145,900
Costilla	18,000	3.20	58,000	1,000	1.80	1,800	19,000	3.15	59,800
Crowley	9,300	3.55	33,000	2,700	1.90	5,100	12,000	3.20	38,100
Custer	17,200	1.90	32,800	1,300	1.60	2,100	18,500	1.90	34,900
Delta	27,800	2.75	76,600	1,700	1.35	2,300	29,500	2.65	78,900
Denver	...	...	...	...	...	...	...	...	...
Dolores	3,600	3.65	13,200	4,200	1.00	4,100	7,800	2.20	17,300
Douglas	4,300	2.25	9,600	13,200	1.10	14,500	17,500	1.40	24,100
Eagle	22,800	1.55	35,800	1,000	1.00	1,000	23,800	1.55	36,800
Elbert	7,200	4.25	30,500	33,800	1.00	33,800	41,000	1.55	64,300
El Paso	7,100	3.15	22,300	15,400	.95	15,000	22,500	1.65	37,300
Fremont	8,700	2.65	23,000	1,000	1.70	1,700	9,700	2.55	24,700
Garfield	32,500	2.25	73,000	1,500	1.75	2,600	34,000	2.20	75,600
Gilpin	200	1.50	300	...	...	...	200	1.50	300
Grand	36,900	1.35	50,700	1,500	1.20	1,800	38,400	1.35	52,500
Gunnison	33,100	1.55	51,000	...	...	...	33,100	1.55	51,000
Hinsdale	1,300	1.40	1,800	...	...	...	1,300	1.40	1,800
Huerfano	12,500	2.50	31,000	1,500	1.35	2,000	14,000	2.35	33,000
Jackson	78,600	1.25	97,700	2,000	1.10	2,200	80,600	1.25	99,900
Jefferson	4,900	2.45	12,100	4,400	.85	3,700	9,300	1.70	15,800
Kiowa	1,100	2.65	2,900	9,700	1.15	11,300	10,800	1.30	14,200
Kit Carson	8,600	3.45	29,600	13,200	1.55	20,300	21,800	2.30	49,900
Lake	2,100	1.10	2,300	...	...	...	2,100	1.10	2,300
La Plata	29,500	2.45	72,000	3,800	1.30	4,900	33,300	2.30	76,900
Larimer	29,000	3.50	101,000	4,000	1.65	6,600	33,000	3.25	107,600
Las Animas	14,700	2.45	36,000	1,800	1.10	2,000	16,500	2.30	38,000
Lincoln	3,800	3.20	12,100	29,200	1.40	40,800	33,000	1.60	52,900
Logan	28,200	4.35	123,000	14,300	1.55	22,000	42,500	3.40	145,000
Mesa	37,800	3.50	131,500	...	...	...	37,800	3.50	131,500
Mineral	500	2.00	1,000	...	...	...	500	2.00	1,000
Moffat	15,300	1.90	29,000	13,200	1.00	13,100	28,500	1.50	42,100
Montezuma	28,200	2.65	75,100	18,800	.75	14,500	47,000	1.90	89,600
Montrose	35,500	3.40	120,000	1,000	1.80	1,800	36,500	3.35	121,800
Morgan	20,700	4.55	94,500	8,800	1.50	13,100	29,500	3.65	107,600
Otero	24,000	4.25	102,200	800	2.15	1,700	24,800	4.20	103,900
Ouray	10,000	1.80	18,100	2,000	1.40	2,800	12,000	1.75	20,900
Park	11,700	1.15	13,200	3,300	.95	3,200	15,000	1.10	16,400
Phillips	3,000	4.55	13,700	3,500	1.70	6,000	6,500	3.05	19,700
Pitkin	7,800	1.45	11,300	...	...	...	7,800	1.45	11,300
Prowers	49,400	4.55	224,500	4,100	1.15	4,800	53,500	4.30	229,300
Pueblo	14,700	3.35	49,000	3,300	1.35	4,400	18,000	2.95	53,400
Rio Blanco	20,700	1.90	39,000	3,100	1.05	3,300	23,800	1.80	42,300
Rio Grande	30,500	2.60	79,600	500	1.60	800	31,000	2.60	80,400
Routt	45,300	1.80	81,500	12,200	1.10	13,700	57,500	1.65	95,200
Saguache	56,000	2.10	117,000	2,000	1.50	3,000	58,000	2.05	120,000
San Juan	...	...	...	...	...	...	...	...	...
San Miguel	7,000	1.85	13,000	1,000	1.10	1,100	8,000	1.75	14,100
Sedgwick	4,700	4.15	19,500	2,500	1.60	4,000	7,200	3.25	23,500
Summit	7,500	1.35	10,000	1,000	1.20	1,200	8,500	1.30	11,200
Teller	1,300	1.30	1,700	1,700	.90	1,500	3,000	1.05	3,200
Washington	7,900	3.85	30,300	20,600	1.65	33,800	28,500	2.25	64,100
Weld	96,000	4.50	434,000	28,500	1.35	38,900	124,500	3.80	472,900
Yuma	14,000	4.95	69,500	11,000	1.55	16,800	25,000	3.45	86,300
State Total	1,200,000	2.80	3,365,000	350,000	1.25	440,000	1,550,000	2.45	3,805,000

Alfalfa Hay: Production by County, Colorado, 1990

with Ranking of First Five Counties



Alfalfa Hay: Acreage and production by district, Colorado, 1989-90

District	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	**Acres**	**Tons**	**Tons**	**Acres**	**Tons**	**Tons**	**Acres**	**Tons**	**Tons**
NW & Mountain .	38,000	2.10	80,000	17,000	.80	14,000	55,000	1.70	94,000
Northeast	163,000	4.50	730,000	12,000	1.50	18,000	175,000	4.25	748,000
East Central	48,000	4.40	211,000	27,000	1.40	38,000	75,000	3.30	249,000
Southwest	150,000	2.90	435,000	40,000	.80	32,000	190,000	2.45	467,000
San Luis Valley . .	105,000	2.70	284,000	...	...	...	105,000	2.70	284,000
Southeast	146,000	3.75	550,000	4,000	2.00	8,000	150,000	3.70	558,000
State Total	650,000	3.50	2,290,000	100,000	1.10	110,000	750,000	3.20	2,400,000
1990									
NW & Mountain .	38,000	2.10	80,000	17,000	1.05	18,000	55,000	1.80	98,000
Northeast	162,000	4.80	775,000	13,000	1.75	23,000	175,000	4.55	798,000
East Central	50,000	4.70	235,000	30,000	1.20	36,000	80,000	3.40	271,000
Southwest	150,000	3.25	485,000	25,000	.75	19,000	175,000	2.90	504,000
San Luis Valley . .	105,000	2.95	310,000	...	...	...	105,000	2.95	310,000
Southeast	145,000	4.15	600,000	5,000	1.80	9,000	150,000	4.05	609,000
State Total	650,000	3.80	2,485,000	90,000	1.15	105,000	740,000	3.50	2,590,000

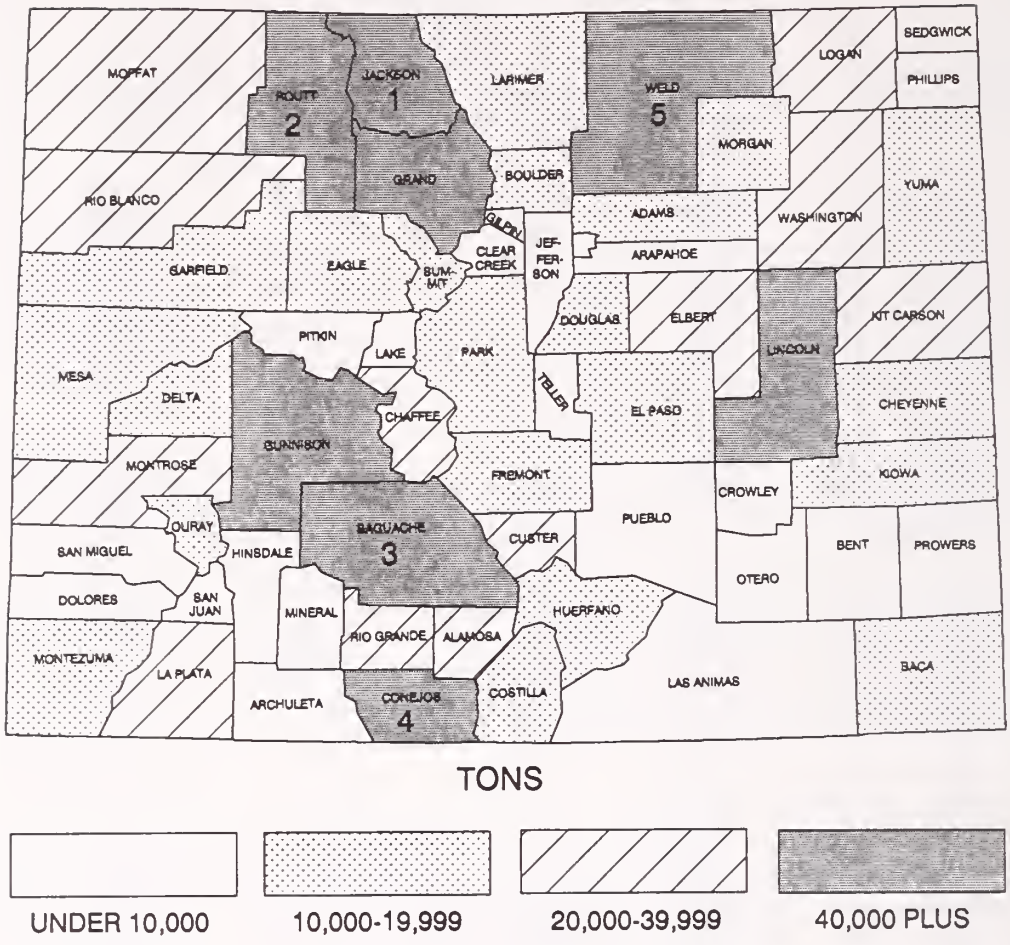
Alfalfa Hay: Acreage and production by county, Colorado, 1989

County	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	8,400	4.40	37,000	2,100	1.50	3,200	10,500	3.85	40,200
Alamosa	23,000	2.75	63,000	...	...	...	23,000	2.75	63,000
Arapahoe	1,200	4.60	5,500	700	1.70	1,200	1,900	3.55	6,700
Archuleta	1,500	3.65	5,500	1,000	1.00	1,000	2,500	2.60	6,500
Baca	1,900	3.15	6,000	600	2.00	1,200	2,500	2.90	7,200
Bent	29,000	3.85	112,000	...	...	...	29,000	3.85	112,000
Boulder	13,600	3.90	53,000	400	1.25	500	14,000	3.80	53,500
Chaffee	6,000	2.00	12,000	...	...	...	6,000	2.00	12,000
Cheyenne	1,200	4.85	5,800	400	1.25	500	1,600	3.95	6,300
Clear Creek	...	...	...	...	...	...	...	...	...
Conejos	40,000	2.30	91,000	...	...	...	40,000	2.30	91,000
Costilla	13,000	3.30	43,000	...	...	...	13,000	3.30	43,000
Crowley	8,300	3.25	27,000	700	2.15	1,500	9,000	3.15	28,500
Custer	2,700	2.95	8,000	300	2.00	600	3,000	2.85	8,600
Delta	22,600	3.00	68,000	400	1.00	400	23,000	2.95	68,400
Denver	...	...	...	...	...	...	...	...	...
Dolores	2,000	3.50	7,000	8,000	.90	7,000	10,000	1.40	14,000
Douglas	2,000	3.85	7,700	3,000	1.05	3,200	5,000	2.20	10,900
Eagle	10,000	1.90	19,000	...	...	...	10,000	1.90	19,000
Elbert	6,500	3.90	25,500	10,500	1.45	15,000	17,000	2.40	40,500
El Paso	5,500	4.00	22,000	3,500	1.15	4,000	9,000	2.90	26,000
Fremont	5,500	3.10	17,000	...	...	...	5,500	3.10	17,000
Garfield	28,100	2.35	66,000	400	1.00	400	28,500	2.35	66,400
Gilpin	...	...	...	...	...	...	...	...	...
Grand	800	2.50	2,000	...	...	...	800	2.50	2,000
Gunnison	1,000	3.00	3,000	...	...	...	1,000	3.00	3,000
Hinsdale	...	...	...	...	...	...	...	...	...
Huerfano	8,500	2.95	25,000	...	...	...	8,500	2.95	25,000
Jackson	900	3.00	2,700	...	...	...	900	3.00	2,700
Jefferson	1,200	3.35	4,000	800	1.50	1,200	2,000	2.60	5,200
Kiowa	...	...	...	500	1.20	600	500	1.20	600
Kit Carson	4,900	4.50	22,000	100	2.00	200	5,000	4.45	22,200
Lake	800	2.25	1,800	...	...	...	800	2.25	1,800
La Plata	19,000	2.15	41,000	5,000	1.00	5,000	24,000	1.90	46,000
Larimer	19,300	4.75	92,000	700	1.15	800	20,000	4.65	92,800
Las Animas	8,800	2.85	25,000	700	2.15	1,500	9,500	2.80	26,500
Lincoln	1,800	4.45	8,000	700	1.45	1,000	2,500	3.60	9,000
Logan	25,500	4.25	108,000	2,500	1.45	3,600	28,000	4.00	111,600
Mesa	28,900	3.80	110,000	1,100	1.10	1,200	30,000	3.70	111,200
Mineral	...	...	...	...	...	...	...	...	...
Moffat	5,000	2.30	11,500	10,000	.75	7,600	15,000	1.25	19,100
Montezuma	19,000	2.55	48,000	23,000	.70	16,000	42,000	1.50	64,000
Montrose	23,000	3.25	75,000	...	...	...	23,000	3.25	75,000
Morgan	17,200	4.40	76,000	2,800	1.30	3,700	20,000	4.00	79,700
Otero	23,500	3.85	90,000	500	2.20	1,100	24,000	3.80	91,100
Ouray	1,500	3.35	5,000	...	...	...	1,500	3.35	5,000
Park	1,500	2.35	3,500	...	...	...	1,500	2.35	3,500
Phillips	2,000	4.75	9,500	...	...	...	2,000	4.75	9,500
Pitkin	3,500	2.00	7,000	...	...	...	3,500	2.00	7,000
Prowers	47,600	4.20	200,000	400	2.00	800	48,000	4.20	200,800
Pueblo	10,200	3.90	40,000	800	1.65	1,300	11,000	3.75	41,300
Rio Blanco	5,500	2.00	11,000	500	.80	400	6,000	1.90	11,400
Rio Grande	15,000	3.05	46,000	...	...	...	15,000	3.05	46,000
Routt	3,000	2.15	6,500	6,500	.90	6,000	9,500	1.30	12,500
Saguache	14,000	2.95	41,000	...	...	...	14,000	2.95	41,000
San Juan	...	...	...	...	...	...	...	...	...
San Miguel	4,400	2.15	9,500	1,100	.90	1,000	5,500	1.90	10,500
Sedgwick	3,000	4.00	12,000	...	...	...	3,000	4.00	12,000
Summit	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...
Washington	4,300	4.65	20,000	4,700	1.70	8,100	9,000	3.10	28,100
Weld	83,200	4.65	385,000	4,800	1.70	8,200	88,000	4.45	393,200
Yuma	10,200	4.70	48,000	800	1.25	1,000	11,000	4.45	49,000
State Total	650,000	3.50	2,290,000	100,000	1.10	110,000	750,000	3.20	2,400,000

Alfalfa Hay: Acreage and production by county, Colorado, 1990

County	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	7,600	4.65	35,500	2,500	1.60	4,000	10,100	3.90	39,500
Alamosa	22,000	2.85	63,200	...	...	...	22,000	2.85	63,200
Arapahoe	1,600	3.95	6,300	700	1.55	1,100	2,300	3.20	7,400
Archuleta	1,600	3.00	4,800	1,200	.75	900	2,800	2.05	5,700
Baca	1,100	4.10	4,500	400	2.00	800	1,500	3.55	5,300
Bent	33,000	4.20	138,000	...	...	...	33,000	4.20	138,000
Boulder	13,500	3.90	52,900	500	1.60	800	14,000	3.85	53,700
Chaffee	6,000	2.05	12,200	...	...	...	6,000	2.05	12,200
Cheyenne	1,000	3.90	3,900	500	1.20	600	1,500	3.00	4,500
Clear Creek	...	...	...	...	...	...	...	...	...
Conejos	37,000	2.55	95,200	...	...	...	37,000	2.55	95,200
Costilla	14,000	3.35	47,000	...	...	...	14,000	3.35	47,000
Crowley	8,500	3.65	31,000	1,500	2.20	3,300	10,000	3.45	34,300
Custer	2,000	2.90	5,800	500	1.60	800	2,500	2.65	6,600
Delta	19,300	3.30	63,600	200	1.00	200	19,500	3.25	63,800
Denver	...	...	...	...	...	...	...	...	...
Dolores	3,400	3.80	12,900	3,800	.95	3,600	7,200	2.30	16,500
Douglas	2,300	3.15	7,200	3,200	1.10	3,500	5,500	1.95	10,700
Eagle	9,800	2.00	19,800	...	...	...	9,800	2.00	19,800
Elbert	6,000	4.65	28,000	13,000	1.00	12,800	19,000	2.15	40,800
El Paso	4,900	3.90	19,000	4,100	1.20	5,000	9,000	2.65	24,000
Fremont	4,500	3.10	14,000	...	...	...	4,500	3.10	14,000
Garfield	27,500	2.30	63,300	...	...	...	27,500	2.30	63,300
Gilpin	...	...	...	...	...	...	...	...	...
Grand	1,400	1.95	2,700	...	...	...	1,400	1.95	2,700
Gunnison	600	3.35	2,000	...	...	...	600	3.35	2,000
Hinsdale	...	...	...	...	...	...	...	...	...
Huerfano	6,500	2.90	19,000	...	...	...	6,500	2.90	19,000
Jackson	600	2.85	1,700	...	...	...	600	2.85	1,700
Jefferson	1,700	3.30	5,600	600	1.35	800	2,300	2.80	6,400
Kiowa	500	4.00	2,000	300	1.00	300	800	2.90	2,300
Kit Carson	4,600	4.70	21,600	200	1.50	300	4,800	4.55	21,900
Lake	200	2.00	400	...	...	...	200	2.00	400
La Plata	18,500	2.65	49,000	2,500	1.00	2,500	21,000	2.45	51,500
Larimer	18,000	4.70	85,000	2,000	2.20	4,400	20,000	4.45	89,400
Las Animas	9,200	3.05	28,000	800	1.00	800	10,000	2.90	28,800
Lincoln	1,600	4.75	7,600	900	.90	800	2,500	3.35	8,400
Logan	24,500	4.70	115,000	2,000	1.50	3,000	26,500	4.45	118,000
Mesa	28,000	4.15	116,800	...	...	...	28,000	4.15	116,800
Mineral	...	...	...	...	...	...	...	...	...
Moffat	6,800	2.05	14,000	8,700	.95	8,100	15,500	1.45	22,100
Montezuma	21,200	2.95	62,500	16,800	.65	11,300	38,000	1.95	73,800
Montrose	24,000	4.05	97,000	...	...	...	24,000	4.05	97,000
Morgan	18,000	4.90	88,500	2,500	1.25	3,100	20,500	4.45	91,600
Otero	21,500	4.45	96,200	500	2.40	1,200	22,000	4.45	97,400
Ouray	2,000	2.80	5,600	...	...	...	2,000	2.80	5,600
Park	1,200	2.65	3,200	...	...	...	1,200	2.65	3,200
Phillips	2,700	4.85	13,100	...	...	...	2,700	4.85	13,100
Pitkin	3,400	1.90	6,500	...	...	...	3,400	1.90	6,500
Prowers	48,000	4.60	220,500	500	1.40	700	48,500	4.55	221,200
Pueblo	10,700	4.00	43,000	800	1.75	1,400	11,500	3.85	44,400
Rio Blanco	4,200	2.15	9,000	600	1.00	600	4,800	2.00	9,600
Rio Grande	17,000	3.15	53,600	...	...	...	17,000	3.15	53,600
Routt	3,800	2.25	8,500	7,700	1.20	9,300	11,500	1.55	17,800
Saguache	15,000	3.40	51,000	...	...	...	15,000	3.40	51,000
San Juan	...	...	...	...	...	...	...	...	...
San Miguel	4,500	2.10	9,500	500	1.00	500	5,000	2.00	10,000
Sedgwick	3,200	5.00	16,000	...	...	...	3,200	5.00	16,000
Summit	...	...	...	...	...	...	...	...	...
Teller	...	...	...	...	...	...	...	...	...
Washington	5,500	4.70	25,800	3,300	1.75	5,800	8,800	3.60	31,600
Weld	83,100	4.95	412,000	5,400	2.00	10,900	88,500	4.80	422,900
Yuma	11,700	5.55	65,000	1,300	1.40	1,800	13,000	5.15	66,800
State Total	650,000	3.80	2,485,000	90,000	1.15	105,000	740,000	3.50	2,590,000

Other Hay: Production by County, Colorado, 1990
with Ranking of First Five Counties



Other Hay: Acreage and production by district, Colorado, 1989-90

District	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
1989	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
NW & Mountain .	237,000	1.30	305,000	23,000	1.00	23,000	260,000	1.25	328,000
Northeast	40,000	2.10	84,000	40,000	1.25	50,000	80,000	1.70	134,000
East Central	18,000	2.40	43,000	142,000	1.15	163,000	160,000	1.30	206,000
Southwest	67,000	1.70	114,000	13,000	.80	10,500	80,000	1.55	124,500
San Luis Valley ..	105,000	1.45	152,000	5,000	1.30	6,500	110,000	1.45	158,500
Southeast	38,000	1.90	72,000	22,000	1.25	27,000	60,000	1.65	99,000
State Total	505,000	1.50	770,000	245,000	1.15	280,000	750,000	1.40	1,050,000
1990									
NW & Mountain .	263,000	1.45	376,000	22,000	1.05	23,000	285,000	1.40	399,000
Northeast	43,000	1.85	80,000	52,000	1.30	68,000	95,000	1.55	148,000
East Central	22,000	1.80	40,000	148,000	1.30	191,000	170,000	1.35	231,000
Southwest	69,000	1.75	120,000	11,000	1.55	17,000	80,000	1.70	137,000
San Luis Valley ..	109,000	1.65	179,000	6,000	1.50	9,000	115,000	1.65	188,000
Southeast	44,000	1.95	85,000	21,000	1.30	27,000	65,000	1.70	112,000
State Total	550,000	1.60	880,000	260,000	1.30	335,000	810,000	1.50	1,215,000

Other Hay: Acreage and production by county, Colorado, 1989

County	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	1,800	1.65	3,000	5,200	1.05	5,500	7,000	1.20	8,500
Alamosa	14,500	1.45	21,000	1,500	1.45	2,200	16,000	1.45	23,200
Arapahoe	700	2.30	1,600	4,300	1.05	4,500	5,000	1.20	6,100
Archuleta	4,000	1.65	6,500	1,000	.90	900	5,000	1.50	7,400
Baca	2,000	2.80	5,600	9,000	1.35	12,000	11,000	1.60	17,600
Bent	2,100	2.25	4,700	1,400	1.15	1,600	3,500	1.80	6,300
Boulder	5,600	2.30	13,000	1,400	1.00	1,400	7,000	2.05	14,400
Chaffee	12,000	1.60	19,000	...	...	...	12,000	1.60	19,000
Cheyenne	700	2.85	2,000	11,300	1.25	14,000	12,000	1.35	16,000
Clear Creek	200	1.50	300	...	...	...	200	1.50	300
Conejos	33,500	1.30	43,000	1,500	1.35	2,000	35,000	1.30	45,000
Costilla	3,100	2.25	7,000	400	1.25	500	3,500	2.15	7,500
Crowley	1,000	2.00	2,000	1,000	1.10	1,100	2,000	1.55	3,100
Custer	12,500	1.90	23,500	1,500	1.35	2,000	14,000	1.80	25,500
Delta	8,800	2.05	18,000	700	.85	600	9,500	1.95	18,600
Denver	...	...	...	...	...	...	...	...	...
Dolores	...	...	...	500	.80	400	500	.80	400
Douglas	1,400	1.35	1,900	7,600	1.00	7,500	9,000	1.05	9,400
Eagle	10,000	1.10	11,000	...	...	...	10,000	1.10	11,000
Elbert	1,000	2.50	2,500	16,000	1.00	16,000	17,000	1.10	18,500
El Paso	1,700	1.75	3,000	12,300	1.00	12,000	14,000	1.05	15,000
Fremont	3,400	2.15	7,300	600	1.15	700	4,000	2.00	8,000
Garfield	6,200	2.25	14,000	800	.90	700	7,000	2.10	14,700
Gilpin	200	1.50	300	...	...	...	200	1.50	300
Grand	36,300	1.10	40,000	1,700	1.20	2,000	38,000	1.10	42,000
Gunnison	33,000	1.40	46,000	...	...	...	33,000	1.40	46,000
Hinsdale	1,000	1.20	1,200	...	...	...	1,000	1.20	1,200
Huerfano	5,600	1.40	7,900	1,400	1.05	1,500	7,000	1.35	9,400
Jackson	64,500	1.00	64,200	3,500	.90	3,200	68,000	1.00	67,400
Jefferson	3,500	1.70	6,000	1,500	1.05	1,600	5,000	1.50	7,600
Kiowa	600	2.50	1,500	10,400	1.15	12,000	11,000	1.25	13,500
Kit Carson	3,000	3.00	9,000	16,000	1.55	25,000	19,000	1.80	34,000
Lake	1,700	.90	1,500	300	1.00	300	2,000	.90	1,800
La Plata	9,000	1.80	16,000	2,500	.80	2,000	11,500	1.55	18,000
Larimer	9,000	1.80	16,000	4,000	.90	3,500	13,000	1.50	19,500
Las Animas	5,500	1.85	10,100	2,000	1.10	2,200	7,500	1.65	12,300
Lincoln	2,500	3.20	8,000	26,500	1.00	26,000	29,000	1.15	34,000
Logan	4,000	2.25	9,000	12,000	1.35	16,000	16,000	1.55	25,000
Mesa	7,500	1.45	11,000	500	.80	400	8,000	1.45	11,400
Mineral	500	2.00	1,000	...	...	...	500	2.00	1,000
Moffat	6,000	1.50	9,000	5,000	.90	4,500	11,000	1.25	13,500
Montezuma	6,400	1.70	11,000	2,100	.85	1,800	8,500	1.50	12,800
Montrose	11,300	1.75	20,000	1,700	.70	1,200	13,000	1.65	21,200
Morgan	3,000	2.35	7,000	6,000	1.45	8,700	9,000	1.75	15,700
Otero	1,800	2.10	3,800	200	1.50	300	2,000	2.05	4,100
Ouray	10,400	1.25	13,000	1,600	.70	1,100	12,000	1.20	14,100
Park	8,000	1.15	9,000	4,000	1.00	4,000	12,000	1.10	13,000
Phillips	400	2.50	1,000	3,600	1.80	6,500	4,000	1.90	7,500
Pitkin	3,600	1.10	4,000	...	...	...	3,600	1.10	4,000
Prowers	600	2.35	1,400	3,400	1.20	4,000	4,000	1.35	5,400
Pueblo	3,500	1.65	5,700	1,500	1.05	1,600	5,000	1.45	7,300
Rio Blanco	12,000	1.85	22,000	3,000	1.00	3,000	15,000	1.65	25,000
Rio Grande	12,500	1.85	23,000	500	1.20	600	13,000	1.80	23,600
Routt	39,500	1.70	68,000	3,500	1.15	4,000	43,000	1.65	72,000
Saguache	40,900	1.40	57,000	1,100	1.10	1,200	42,000	1.40	58,200
San Juan	...	...	...	500	.80	400	500	.80	400
San Miguel	2,400	1.40	3,300	1,100	.90	1,000	3,500	1.25	4,300
Sedgwick	1,300	2.30	3,000	2,700	1.40	3,800	4,000	1.70	6,800
Summit	9,000	1.00	9,200	...	...	...	9,000	1.00	9,200
Teller	1,000	1.50	1,500	2,000	1.00	2,000	3,000	1.15	3,500
Washington	1,700	2.05	3,500	18,300	1.10	20,000	20,000	1.20	23,500
Weld	13,600	2.20	30,000	12,400	1.20	15,000	26,000	1.75	45,000
Yuma	2,500	2.40	6,000	10,500	1.35	14,000	13,000	1.55	20,000
State Total	505,000	1.50	770,000	245,000	1.15	280,000	750,000	1.40	1,050,000

Other Hay: Acreage and production by county, Colorado, 1990

County	Irrigated			Non-Irrigated			Total		
	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production	Acreage harvested	Yield per acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adams	2,600	1.85	4,800	8,400	1.05	9,000	11,000	1.25	13,800
Alamosa	16,000	1.70	27,000	500	1.40	700	16,500	1.70	27,700
Arapahoe	1,000	2.00	2,000	4,000	1.00	4,000	5,000	1.20	6,000
Archuleta	4,200	1.40	5,900	800	1.25	1,000	5,000	1.40	6,900
Baca	2,000	3.00	6,000	7,800	1.25	9,900	9,800	1.60	15,900
Bent	2,400	2.10	5,000	1,300	1.15	1,500	3,700	1.75	6,500
Boulder	8,000	2.25	18,000	2,000	.95	1,900	10,000	2.00	19,900
Chaffee	11,500	1.75	20,000	...	...	...	11,500	1.75	20,000
Cheyenne	1,200	1.65	2,000	12,300	1.30	16,000	13,500	1.35	18,000
Clear Creek	200	1.50	300	...	...	...	200	1.50	300
Conejos	34,000	1.40	48,000	2,000	1.35	2,700	36,000	1.40	50,700
Costilla	4,000	2.75	11,000	1,000	1.80	1,800	5,000	2.55	12,800
Crowley	800	2.50	2,000	1,200	1.50	1,800	2,000	1.90	3,800
Custer	15,200	1.80	27,000	800	1.65	1,300	16,000	1.75	28,300
Delta	8,500	1.55	13,000	1,500	1.40	2,100	10,000	1.50	15,100
Denver	...	...	...	...	...	...	...	...	...
Dolores	200	1.50	300	400	1.25	500	600	1.35	800
Douglas	2,000	1.20	2,400	10,000	1.10	11,000	12,000	1.10	13,400
Eagle	13,000	1.25	16,000	1,000	1.00	1,000	14,000	1.20	17,000
Elbert	1,200	2.10	2,500	20,800	1.00	21,000	22,000	1.05	23,500
El Paso	2,200	1.50	3,300	11,300	.90	10,000	13,500	1.00	13,300
Fremont	4,200	2.15	9,000	1,000	1.70	1,700	5,200	2.05	10,700
Garfield	5,000	1.95	9,700	1,500	1.75	2,600	6,500	1.90	12,300
Gilpin	200	1.50	300	...	...	...	200	1.50	300
Grand	35,500	1.35	48,000	1,500	1.20	1,800	37,000	1.35	49,800
Gunnison	32,500	1.50	49,000	...	...	...	32,500	1.50	49,000
Hinsdale	1,300	1.40	1,800	...	...	...	1,300	1.40	1,800
Huerfano	6,000	2.00	12,000	1,500	1.35	2,000	7,500	1.85	14,000
Jackson	78,000	1.25	96,000	2,000	1.10	2,200	80,000	1.25	98,200
Jefferson	3,200	2.05	6,500	3,800	.75	2,900	7,000	1.35	9,400
Kiowa	600	1.50	900	9,400	1.15	11,000	10,000	1.20	11,900
Kit Carson	4,000	2.00	8,000	13,000	1.55	20,000	17,000	1.65	28,000
Lake	1,900	1.00	1,900	...	...	...	1,900	1.00	1,900
La Plata	11,000	2.10	23,000	1,300	1.85	2,400	12,300	2.05	25,400
Larimer	11,000	1.45	16,000	2,000	1.10	2,200	13,000	1.40	18,200
Las Animas	5,500	1.45	8,000	1,000	1.20	1,200	6,500	1.40	9,200
Lincoln	2,200	2.05	4,500	28,300	1.40	40,000	30,500	1.45	44,500
Logan	3,700	2.15	8,000	12,300	1.55	19,000	16,000	1.70	27,000
Mesa	9,800	1.50	14,700	...	...	...	9,800	1.50	14,700
Mineral	500	2.00	1,000	...	...	...	500	2.00	1,000
Moffat	8,500	1.75	15,000	4,500	1.10	5,000	13,000	1.55	20,000
Montezuma	7,000	1.80	12,600	2,000	1.60	3,200	9,000	1.75	15,800
Montrose	11,500	2.00	23,000	1,000	1.80	1,800	12,500	2.00	24,800
Morgan	2,700	2.20	6,000	6,300	1.60	10,000	9,000	1.80	16,000
Otero	2,500	2.40	6,000	300	1.65	500	2,800	2.30	6,500
Ouray	8,000	1.55	12,500	2,000	1.40	2,800	10,000	1.55	15,300
Park	10,500	.95	10,000	3,300	.95	3,200	13,800	.95	13,200
Phillips	300	2.00	600	3,500	1.70	6,000	3,800	1.75	6,600
Pitkin	4,400	1.10	4,800	...	...	....	4,400	1.10	4,800
Prowers	1,400	2.85	4,000	3,600	1.15	4,100	5,000	1.60	8,100
Pueblo	4,000	1.50	6,000	2,500	1.20	3,000	6,500	1.40	9,000
Rio Blanco	16,500	1.80	30,000	2,500	1.10	2,700	19,000	1.70	32,700
Rio Grande	13,500	1.95	26,000	500	1.60	800	14,000	1.90	26,800
Routt	41,500	1.75	73,000	4,500	1.00	4,400	46,000	1.70	77,400
Saguache	41,000	1.60	66,000	2,000	1.50	3,000	43,000	1.60	69,000
San Juan	...	...	...	...	...	...	...	...	...
San Miguel	2,500	1.40	3,500	500	1.20	600	3,000	1.35	4,100
Sedgwick	1,500	2.35	3,500	2,500	1.60	4,000	4,000	1.90	7,500
Summit	7,500	1.35	10,000	1,000	1.20	1,200	8,500	1.30	11,200
Teller	1,300	1.30	1,700	1,700	.90	1,500	3,000	1.05	3,200
Washington	2,400	1.90	4,500	17,300	1.60	28,000	19,700	1.65	32,500
Weld	12,900	1.70	22,000	23,100	1.20	28,000	36,000	1.40	50,000
Yuma	2,300	1.95	4,500	9,700	1.55	15,000	12,000	1.65	19,500
State Total	550,000	1.60	880,000	260,000	1.30	335,000	810,000	1.50	1,215,000

Wheat and Barley: On-farm, off-farm and total stocks, Colorado, 1979-91 1/

Year/Month	All Wheat			Barley		
	On-farm	Off-farm	Total	On-farm	Off-farm	Total
	1,000 Bushels					
1979 January 1	41,498	26,230	67,728	6,560	7,795	14,355
April 1	28,456	18,440	46,896	3,137	8,960	12,097
June 1	23,120	13,195	36,315	1,283	7,830	9,113
October 1	44,943	34,030	78,973	12,529	8,800	21,329
1980 January 1	39,325	27,730	67,055	9,911	8,970	18,881
April 1	28,792	19,010	47,802	4,301	8,220	12,521
June 1	17,556	13,600	31,156	2,992	7,170	10,162
October 1	59,562	40,190	99,752	11,466	6,630	18,096
1981 January 1	50,738	28,510	79,248	7,963	7,600	15,563
April 1	34,193	24,150	58,343	4,141	6,360	10,501
June 1	30,884	18,900	49,784	2,867	5,500	8,367
October 1	61,514	41,200	102,714	10,211	6,040	16,251
1982 January 1	52,726	35,950	88,676	8,370	6,040	14,410
April 1	41,302	25,600	66,902	4,185	7,300	11,485
June 1	31,636	20,500	52,136	2,344	5,360	7,704
October 1	61,188	46,000	107,188	10,978	5,600	16,578
1983 January 1	56,939	35,500	92,439	8,751	6,880	15,631
April 1	42,492	25,600	68,092	3,978	5,175	9,153
June 1	33,144	25,900	59,044	1,909	4,030	5,939
October 1	97,682	48,850	146,532	10,230	4,550	14,780
1984 January 1	73,262	35,930	109,192	7,425	8,570	15,995
April 1	48,841	26,070	74,911	4,620	5,510	10,130
June 1	41,515	21,130	62,645	2,640	4,710	7,350
October 1	75,913	43,500	119,413	12,896	5,900	18,796
1985 January 1	52,909	33,300	86,209	10,075	6,035	16,110
April 1	42,557	27,235	69,792	5,239	2,025	7,264
June 1	31,055	22,570	53,625	2,821	4,520	7,341
October 1	94,725	47,700	142,425	16,973	6,610	23,583
1986 January 1	57,114	39,000	96,114	8,704	7,550	16,254
April 1	45,970	36,760	82,730	2/	2/	2/
June 1	33,432	29,660	63,092	3,046	5,465	8,511
September 1	83,919	53,640	137,559	2/	2/	2/
December 1	54,000	48,400	102,400	2/	2/	2/
1987 March 1	38,500	42,100	80,600	2/	2/	2/
June 1	28,000	35,465	63,465	2,800	4,100	6,900
September 1	65,000	58,300	123,300	2/	2/	2/
December 1	52,500	50,100	102,600	2/	2/	2/
1988 March 1	36,000	41,800	77,800	2/	2/	2/
June 1	22,000	24,500	46,500	2,800	5,200	8,000
September 1	50,000	47,900	97,900	6,000	6,100	12,100
December 1	40,000	35,200	75,200	5,500	7,750	13,250
1989 March 1	29,000	24,915	53,915	2,700	6,805	9,505
June 1	19,000	12,565	31,565	1,200	3,872	5,072
September 1	40,000	35,275	75,275	6,000	4,280	10,280
December 1	34,000	25,300	59,300	2,600	6,090	8,690
1990 March 1	17,000	20,275	37,275	1,700	5,690	7,390
June 1	10,000	10,000	20,000	310	3,615	3,925
September 1	42,000	38,335	80,335	6,800	2,810	9,610
December 1	31,500	34,015	65,515	3,400	5,405	8,805
1991 March 1	21,000	26,920	47,920	1,200	5,140	6,340

1/ Change in reference dates beginning September 1986.
2/ Quarterly estimates discontinued April 1986; resumed September 1988.

Corn and Sorghum: On-farm, off-farm and total stocks, Colorado, 1979-91 1/

Year/Month	Corn			Sorghum		
	On-farm	Off-farm	Total	On-farm	Off-farm	Total
	1,000 Bushels					
1979 January 1	37,741	14,840	52,581	4,216	5,250	9,466
April 1	24,090	8,240	32,330	2,108	3,625	5,733
June 1	16,060	6,215	22,275	1,581	2,580	4,161
October 1	6,424	3,760	10,184	949	1,620	2,569
1980 January 1	51,156	18,440	69,596	5,426	6,100	11,526
April 1	37,643	12,940	50,583	3,230	3,750	6,980
June 1	27,026	10,090	37,116	2,067	3,320	5,387
October 1	9,652	3,950	13,602	646	1,490	2,136
1981 January 1	56,498	16,760	73,258	6,493	3,950	10,443
April 1	37,666	8,700	46,366	3,675	2,750	6,425
June 1	17,936	5,850	23,786	3,063	1,670	4,733
October 1	6,278	2,410	8,688	1,715	610	2,325
1982 January 1	55,094	19,880	74,974	8,311	3,680	11,991
April 1	33,264	13,000	46,264	3,614	3,750	7,364
June 1	17,672	11,400	29,072	3,132	2,830	5,962
October 1	12,474	7,220	19,694	1,445	1,690	3,135
1983 January 1	59,108	20,170	79,278	6,956	5,945	12,901
April 1	40,764	19,150	59,914	3,069	3,855	6,924
June 1	25,478	18,870	44,348	1,841	4,020	5,861
October 1	17,325	15,400	32,725	1,228	2,370	3,598
1984 January 1	48,373	21,550	69,923	4,872	6,040	10,912
April 1	27,535	13,140	40,675	2,854	4,180	7,034
June 1	12,651	9,340	21,991	1,810	3,320	5,130
October 1	4,465	2,930	7,395	974	2,510	3,484
1985 January 1	48,294	16,570	64,864	7,160	6,030	13,190
April 1	30,981	10,540	41,521	3,182	4,135	7,317
June 1	14,579	6,590	21,169	1,750	2,490	4,240
October 1	3,645	3,940	7,585	796	2,745	3,541
1986 January 1	56,955	19,960	76,915	5,152	3,965	9,117
April 1	39,351	14,105	53,456	2/	2/	2/
June 1	25,889	11,420	37,309	2,240	2,315	4,555
September 1	18,640	10,625	29,265	1,568	3,460	5,028
December 1	80,000	28,200	108,200	2/	2/	2/
1987 March 1	58,000	23,240	81,240	2/	2/	2/
June 1	32,000	17,685	49,685	1,600	3,360	4,960
September 1	25,000	20,500	45,500	1,500	2,725	4,225
December 1	87,000	42,100	129,100	2/	2/	2/
1988 March 1	60,000	28,700	88,700	2/	2/	2/
June 1	23,000	22,560	45,560	1,000	4,400	5,400
September 1	12,000	16,650	28,650	850	4,150	5,000
December 1	70,000	37,175	107,175	2/	2/	2/
1989 March 1	45,000	25,365	70,365	2/	2/	2/
June 1	21,000	15,135	36,135	1,800	2,376	4,176
September 1	11,000	8,760	19,760	1,000	2,110	3,110
December 1	60,000	26,355	86,355	2/	2/	2/
1990 March 1	35,000	15,240	50,240	1,300	2,690	3,990
June 1	16,000	6,875	22,875	900	1,805	2,705
September 1	10,000	2,450	12,450	500	1,480	1,980
December 1	45,000	22,755	67,755	2,000	3,240	5,240
1991 March 1	30,000	13,060	43,060	1,200	1,960	3,160

1/ Change in reference dates beginning September 1986.
2/ Quarterly estimates discontinued April 1986; resumed March 1990.

Oats: On-farm, off-farm and total stocks, Colorado, 1982-91 1/

Year/Month	On farm	Off farm	Total
	1,000 Bushels		
1982 January 1	975	280	1,255
April 1	884	200	1,084
June 1	520	140	660
October 1	1,976	290	2,266
1983 January 1	1,435	270	1,705
April 1	1,352	200	1,552
June 1	624	245	869
October 1	2,035	300	2,335
1984 January 1	1,556	270	1,826
April 1	1,317	310	1,627
June 1	622	90	712
October 1	2,200	235	2,435
1985 January 1	1,678	205	1,883
April 1	1,100	220	1,320
June 1	688	160	848
October 1	2,041	260	2,301
1986 January 1	1,807	205	2,012
June 1	*	160	*
1987 June 1	*	89	*
1988 June 1	*	**	*
1989 June 1	*	288	*
1990 March 1	*	195	*
June 1	*	155	*
September 1	*	455	*
December 1	*	160	*
1991 March 1	*	155	*

1/ Quarterly estimates discontinued April 1986; resumed March 1990.
* Minor states not published separately for on-farm stocks beginning June 1986.
** Not published to avoid disclosure of individual operations.

All Hay: Production and stocks on farms, Colorado, 1965-90

Year	Production	January 1 1/ 2/ Stocks	January 1 1/ 2/ % of Prod.	May 1 1/ Stocks	May 1 1/ % of Prod.
	1,000 Tons	1,000 Tons	Percent	1,000 Tons	Percent
1965	3,025	2,208	73	605	20
1966	2,822	1,947	69	480	17
1967	2,730	1,856	68	437	16
1968	2,885	2,135	74	462	16
1969	3,171	2,251	71	571	18
1970	3,115	2,336	75	623	20
1971	2,995	2,186	73	449	15
1972	2,984	1,880	63	388	13
1973	3,278	2,098	64	492	15
1974	2,886	1,892	66	373	13
1975	2,972	1,843	62	476	16
1976	3,126	1,907	61	531	17
1977	2,890	1,850	64	578	20
1978	3,228	2,034	63	484	15
1979	3,574	2,359	66	715	20
1980	3,276	2,129	65	590	18
1981	3,105	2,018	65	652	21
1982	3,176	2,001	63	508	16
1983	3,357	2,048	61	436	13
1984	3,311	1,953	59	563	17
1985	3,644	2,186	60	765	21
1986	3,642	2,659	73	728	20
1987	4,044	3,033	75	809	20
1988	3,957	2,374	60	435	11
1989	3,450	1,898	55	587	17
1990	3,805	2,207	58	457	12

1/ ..... Following year of production.
2/ ..... Data as of December 1 beginning 1986.

On-farm and off-farm storage capacity, Colorado and United States, 1977-90

Year	Colorado: On-farm storage capacity	Colorado: Off-farm storage, Number of facilities	Colorado: Off-farm storage, Capacity	United States: On-farm storage capacity	United States: Off-farm storage, Number of facilities	United States: Off-farm storage, Capacity
	Mill. Bu.	Number	1,000 Bu.	Mill. Bu.	Number	1,000 Bu.
January 1, 1977	...	200	92,600	...	15,037	6,310,307
1978	...	209	91,500	...	15,305	6,635,420
1979	...	198	93,010	...	15,363	6,984,960
1980	...	202	95,050	...	15,178	7,090,480
1981	...	212	97,580	...	14,944	7,173,080
1982	...	198	105,700	...	14,691	7,269,308
1983	...	205	107,700	...	14,706	7,900,030
1984	...	211	113,400	...	14,195	8,109,090
1985	...	203	111,350	...	13,921	8,113,670
1986	...	204	114,430	...	14,063	8,287,140
December 1, 1986	...	204	130,850	...	14,046	9,123,280
1987	240	220	142,860	13,640	13,889	9,610,590
1988	230	217	145,220	13,300	13,802	9,606,050
1989	220	174	132,390	12,800	13,517	9,384,430
1990	210	167	131,030	12,400	13,225	9,105,440

Barley: Acreage planted by variety, by district, Colorado, 1989-90

Variety	Northwest		Northeast		East Central		Southwest		San Luis Valley		Southeast		State	
	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres	% of Total	Acres
1989														
Moravian III *	.0	0	2.7	1,400	1.4	400	.0	0	58.1	45,900	.0	0	25.1	47,700
Schuyler	7.5	300	11.0	5,600	53.6	15,800	21.5	1,400	.0	0	55.0	11,000	18.0	34,100
Triumph *	5.0	200	44.5	22,700	.0	0	.0	0	6.6	5,200	.0	0	14.8	28,100
Otis	42.5	1,700	13.9	7,100	11.8	3,500	1.5	100	.0	0	.0	0	6.5	12,400
Morex *	.0	0	.0	0	.0	0	24.6	1,600	9.7	7,700	.0	0	4.9	9,300
Will	.0	0	.8	400	17.3	5,100	.0	0	.0	0	36.5	7,300	6.7	12,800
AB 1201 *	.0	0	1.6	800	.0	0	.0	0	9.6	7,600	.0	0	4.4	8,400
Steptoe	35.0	1,400	5.7	2,900	3.1	900	27.7	1,800	.4	300	3.5	700	4.2	8,000
Klages *	.0	0	1.0	500	.0	0	.0	0	8.9	7,000	.0	0	4.0	7,500
Columbia	.0	0	.0	0	.0	0	18.5	1,200	2.4	1,900	.0	0	1.6	3,100
Other malting 1/	.0	0	6.7	3,400	1.0	300	.0	0	1.6	1,300	.0	0	2.6	5,000
Others 1/	10.0	400	12.1	6,200	11.8	3,500	6.2	400	2.7	2,100	5.0	1,000	7.2	13,600
All Barley	100.0	4,000	100.0	51,000	100.0	29,500	100.0	6,500	100.0	79,000	100.0	20,000	100.0	190,000
1990														
Moravian III *	.0	0	5.7	2,000	2.1	400	.0	0	60.1	51,100	.0	0	34.5	53,500
Triumph *	.0	0	49.2	17,200	5.3	1,000	6.7	200	6.4	5,400	.0	0	15.4	23,800
Morex *	.0	0	5.2	1,800	3.1	600	20.0	600	10.8	9,200	.0	0	7.9	12,200
Steptoe	73.3	2,200	6.0	2,100	4.7	900	30.0	900	4.2	3,600	24.0	2,400	7.8	12,100
Schuyler	6.7	200	4.0	1,400	25.8	4,900	26.7	800	.0	0	43.0	4,300	7.5	11,600
Otis	10.0	300	11.4	4,000	37.4	7,100	3.3	100	.0	0	.0	0	7.4	11,500
Busch Varieties *	.0	0	11.1	3,900	.0	0	.0	0	7.2	6,100	.0	0	6.5	10,000
Will	.0	0	.0	0	15.3	2,900	.0	0	.0	0	25.0	2,500	3.5	5,400
Klages *	.0	0	1.1	400	.0	0	.0	0	4.5	3,800	3.0	300	2.9	4,500
Westbred	.0	0	.0	0	.0	0	10.0	300	2.8	2,400	.0	0	1.7	2,700
Other malting 1/	.0	0	.6	200	2.6	500	.0	0	2.0	1,700	.0	0	1.5	2,400
Others 1/	10.0	300	5.7	2,000	3.7	700	3.3	100	2.0	1,700	5.0	500	3.4	5,300
All Barley	100.0	3,000	100.0	35,000	100.0	19,000	100.0	3,000	100.0	85,000	100.0	10,000	100.0	155,000

* Indicates malting varieties.
1/ Includes unknown varieties.

Winter Wheat: Percent of acres planted by variety, Colorado, 1984-91

Variety	1984 Crop	1985 Crop	1986 Crop	1987 Crop	1988 Crop	1989 Crop	1990 Crop	1991 Crop
	Percent							
Tam 107	...	...	.2	2.9	8.3	22.0	37.9	49.3
Hawk	3.2	10.0	15.8	21.0	21.4	17.8	10.4	6.9
Scout 2/	17.0	12.6	11.7	9.4	9.3	6.9	9.2	6.2
Baca	23.8	19.7	18.8	13.2	5.6	7.9	7.6	8.0
Vona	17.5	18.2	14.5	13.7	15.0	9.1	6.2	2.6
Sandy	6.0	9.3	9.7	13.1	8.0	6.3	4.6	2.4
Thunderbird	...	...	...	...	.5	1.8	2.3	1.1
Newton	3.9	4.4	3.8	4.1	4.6	3.3	2.0	1.3
Tam 105	1.4	4.1	3.5	2.8	2.0	2.4	1.6	...
Larned	.2	.2	.5	.7	.9	1.1	1.3	...
Abilene	...	...	...	...	...	.2	1.3	.9
Jeff	2.1	1.6	1.4	1.4	2.1	2.4	1.2	2.0
Victory	...	...	...	.4	2.6	2.6	1.0	.6
Carson	...	...	...	.5	2.4	2.9	.9	...
Eagle	2.1	1.0	1.3	1.0	1.7	1.3	.9	1.1
Centurk 3/	5.5	4.5	3.8	2.2	.9	.6	.7	...
Mustang	.1	...	.9	1.1	.5	.6	.6	...
Tam 108	...	...	...	1.1	1.4	.9	.5	1.1
Mesa	...	...	...	...	...	.3	.5	.5
Other 4/	17.2	14.4	14.1	11.4	12.8	9.6	9.3	10.6

1/ Dots indicate either none or minor amount reported.
2/ Includes Scout 66.
3/ Includes Centurk 78.
4/ Includes unknown varieties.

Winter Wheat: Percent planted by variety, by district and selected counties, Colorado, 1991 crop 1/

Northwest and Southwest Districts

District and County	Jeff	Manning	Other	Total
	Percent			
Northwest 1991	48.7	4.3	47.0	100.0
Moffat	61.3	5.1	33.6	100.0
Rio Blanco	84.3	...	15.7	100.0
Routt	24.3	4.0	71.7	100.0
Southwest 1991	63.5	17.5	19.0	100.0
Dolores	68.5	12.1	19.4	100.0
La Plata	36.5	58.8	4.7	100.0
Montezuma	75.8	21.5	2.7	100.0

Northeast District

District and County	Baca	Hawk	Scout	Tam 107	Tam 108	Vona	Other	Total
	Percent							
Northeast 1991	5.6	10.6	3.5	51.6	2.5	3.9	22.3	100.0
Boulder	2.5	3.4	12.6	26.4	25.6	5.4	24.1	100.0
Larimer	---	29.7	13.7	14.9	6.7	2.6	32.4	100.0
Logan	4.3	12.1	4.4	41.1	2.9	4.4	30.8	100.0
Morgan	9.4	11.2	3.4	48.2	2.1	3.3	22.4	100.0
Sedgwick	---	.3	.9	83.7	---	1.3	13.8	100.0
Weld	8.2	12.0	2.3	51.4	2.2	4.9	19.0	100.0

East Central District

District and County	Baca	Hawk	Sandy	Scout	Tam 107	Tam 200	Other	Total
	Percent							
East Central 1991	5.8	7.6	3.1	6.4	53.2	3.6	20.3	100.0
Adams	27.6	13.4	2.9	.1	38.8	2.4	14.8	100.0
Arapahoe	15.8	36.3	---	11.1	23.7	---	13.1	100.0
Cheyenne	6.6	2.2	10.2	34.7	29.4	---	16.9	100.0
Denver	---	---	---	---	50.0	50.0	---	100.0
Douglas	---	16.5	---	7.2	61.9	---	14.4	100.0
Elbert	1.7	6.2	3.9	4.0	67.4	---	16.8	100.0
El Paso	21.2	42.4	4.7	8.5	---	---	23.2	100.0
Kiowa	10.3	.9	7.4	15.6	51.1	---	14.7	100.0
Kit Carson	.6	4.3	.3	8.2	58.6	4.9	23.1	100.0
Lincoln	.2	4.0	1.4	1.9	73.1	1.1	18.3	100.0
Phillips	---	---	.7	1.5	78.2	2.9	16.7	100.0
Washington	.2	12.5	4.3	2.3	50.4	6.3	24.0	100.0
Yuma	---	11.6	1.1	1.0	45.5	8.5	32.3	100.0

Southeast District

District and County	Baca	Eagle	Lamar	Sandy	Scout	Tam 107	Other	Total
	Percent							
Southeast 1991	22.3	4.8	4.4	2.6	10.4	42.0	13.5	100.0
Baca	23.2	.3	6.6	4.6	9.8	43.9	11.6	100.0
Bent	42.2	---	---	---	10.6	34.1	13.1	100.0
Crowley	---	---	---	57.3	---	11.9	30.8	100.0
Las Animas	36.2	38.8	---	---	10.9	14.1	---	100.0
Otero	---	---	---	---	3.5	17.8	78.7	100.0
Prowers	19.5	10.0	2.5	.2	11.6	42.0	14.2	100.0
Pueblo	---	---	---	---	---	85.5	14.5	100.0

1/ Dots indicate either none or minor amount reported, Scout includes Scout 66, and "other" includes unknown varieties.

FRUIT CROPS - 1990

Colorado fruit growers experienced a better year in 1990 than the previous year but still had a freeze which severely reduced production for some crops. All types of fruit experienced some damage. Apples were affected the greatest as the 1990 crop was down 50 percent from the 1989 output. Even though frost limited production in some areas, peach production was back to a near normal level after a total crop loss in 1989. Pear production was also reduced while conditions for tart cherries were more favorable. The total value of the 1990 fruit crops in the estimating program was $11.8 million compared with $7.9 million in 1989.

Apple growers harvested a very small crop due to an early season freeze. Final production was estimated at 35 million pounds while utilized production fell to 31 million pounds, down 50 percent and 54 percent, respectively. Prices were much better than a year earlier, averaging 16.3 cents per pound for the 1990 crop compared with 9.6 cents per pound for the 1989 crop. Total value of the utilized production was $5.05 million, down 23 percent from the 1989 crop value.

Peach production rebounded in 1990 after the total crop failure one year earlier. Total production was 17 million pounds while utilized production was 16 million pounds. Total value of the utilized crop was $5.7 million with an average price of 35.6 cents per pound.

Pear production for 1990 was 2,500 tons, down 37 percent from the previous year. The average price of $336 per ton was nearly the same as a year earlier. The value of the 1990 crop was placed at $841,000 which was 37 percent below the previous year's value.

Tart cherry production doubled from the previous year's freeze reduced crop. Production was estimated at 1.0 million pounds up, from the 500,000 pounds produced in 1989. Utilized production was 900,000 pounds compared with 400,000 pounds utilized from the 1989 crop. Prices were also much improved, averaging 20.7 cents per pound in 1990 compared with 12.5 cents per pound received for the 1989 crop. Total value of the utilized production was $186,000, more than 3 times higher than in 1989.

VEGETABLE CROPS - 1990

Vegetable producers harvested 363,380 tons of fresh market and processing crops in Colorado during 1990 compared with 374,920 tons in 1989. The total tonnage includes only those vegetable crops for which estimates are prepared. Numerous other vegetable crops are produced in the state but are not surveyed for acreage or production data. The combined value of the 1990 crops was $62.6 million, down 21 percent from a year earlier.

Dry storage onion production was 5.13 million cwt. in 1990 compared with 5.52 million cwt. produced a year earlier. The harvested area declined 300 acres to 13,500 acres for 1990 and the average yield was also lower, dropping from 400 cwt. per acre in 1989 to 380 cwt. for the 1990 crop. The total value of production was estimated at $39.4 million, down sharply from the $58.4 million in 1989. Onions accounted for almost 71 percent of the total vegetable tonnage and 63 percent of the value of vegetable crops.

Lettuce production for 1990 was 40 percent higher than a year earlier as a result of more acres harvested and higher per acre yields. Growers harvested 3,400 acres in 1990 compared with 2,600 acres the previous year. The average yield increased to 300 cwt. per acre, up from 280 cwt. per acre in 1989. The total value of the crop was placed at $12.65 million compared with $9.54 million for the 1989 crop.

Sweet corn production, at 462,000 cwt., was up 6 percent from the previous year. A slight decline in harvested area to 2,800 acres was offset by an increase in the average yield per acre. The 1990 crop was valued at $5.8 million, up 8 percent from a year earlier.

Carrot production declined to 449,000 cwt. for the 1990 crop, down from 532,000 cwt. the previous year. Growers harvested fewer acres, the average yield was down sharply, and prices were also lower. As a result, value of the crop was down 23 percent from 1989 to $3.4 million for 1990.

Cucumbers for pickles showed a large decrease in production for the second year in a row. The 1990 output of 7,940 tons was 25 percent below the 1989 crop as a sharp decline in harvested acres more than offset higher per acre yields. Value of production was down 26 percent to $1.09 million.

The 1990 **tomatoes for processing** crop was 34 percent below the 1989 output as a result of fewer acres harvested and lower yields. Value of production was down 32 percent to $234,000.

Fruits: Production, price and value, Colorado, 1980-90

Year	Production		Price per unit	Value of utilized production
	Total 1/	Utilized		
Apples	**Million Pounds**		**Cents**	**1,000 Dollars**
1980	70.0	68.0	8.00	5,411
1981	75.0	75.0	10.00	7,515
1982	40.0	40.0	10.30	4,109
1983	85.0	84.0	9.10	7,632
1984	65.0	65.0	11.10	7,185
1985	110.0	110.0	9.50	10,504
1986	18.0	17.6	9.70	1,706
1987	125.0	118.0	6.70	7,948
1988	65.0	65.0	11.00	7,160
1989	70.0	68.0	9.60	6,548
1990	35.0	31.0	16.30	5,053
Peaches	**Million Pounds**		**Cents**	**1,000 Dollars**
1980	18.0	18.0	17.90	3,222
1981	20.0	20.0	16.50	3,300
1982	11.0	11.0	26.30	2,893
1983	10.0	9.5	23.10	2,195
1984	12.0	12.0	25.40	3,048
1985	15.0	15.0	26.00	3,900
1986	6.7	6.7	31.00	2,077
1987	19.0	17.0	22.40	3,814
1988	16.0	15.5	26.90	4,175
1989	2/	2/	2/	2/
1990	17.0	16.0	35.60	5,696
Pears	**Tons**		**Dollars**	**1,000 Dollars**
1980	24,600	4,600	183.00	840
1981	7,000	7,000	174.00	1,217
1982	2,700	2,700	243.00	655
1983	5,500	5,300	168.00	890
1984	4,600	4,550	223.00	1,014
1985	6,000	5,900	219.00	1,294
1986	1,750	1,750	280.00	490
1987	8,000	6,400	199.00	1,274
1988	3,800	3,700	251.00	928
1989	4,000	4,000	337.00	1,348
1990	2,500	2,500	336.00	841
Tart Cherries	**Million Pounds**		**Cents**	**1,000 Dollars**
1980	2.0	1.8	21.70	391
1981	1.6	1.6	30.30	484
1982	.4	.4	18.80	75
1983	1.6	1.6	41.90	671
1984	1.0	1.0	25.00	250
1985	1.7	1.7	22.90	390
1986	.9	.9	39.90	359
1987	2.5	.8	10.10	81
1988	1.3	.8	25.10	201
1989	.5	.4	12.50	50
1990	1.0	.9	20.70	186

1/ In certain years, production includes some quantities not harvested because of economic conditions which are excluded in computing values.
2/ No significant commercial production or value in 1989 due to frost.

Vegetables: Acreage, production and value, Colorado, 1982-90

Year	Acreage planted	Acreage harvested	Yield per acre	Production	Value per unit	Total value
	Carrots					
	Acres	Acres	Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
1982	1,100	1,000	350	350	10.10	3,535
1983	1,200	1,100	225	248	13.80	3,422
1984	1,100	1,000	280	280	12.60	3,528
1985	1,100	1,000	350	350	11.70	4,095
1986	1,200	1,200	340	408	14.50	5,916
1987	1,300	1,300	345	449	7.60	3,412
1988	1,400	1,400	360	504	8.40	4,234
1989	1,400	1,400	380	532	8.35	4,442
1990	1,500	1,300	345	449	7.60	3,412
	Cucumbers for Pickles					
	Acres	Acres	Tons	Tons	Dollars	1,000 Dollars
1982	1/	1/	1/	1/	1/	1/
1983	1/	1/	1/	1/	1/	1/
1984	2,400	2,200	8.58	18,880	131.00	2,473
1985	2,600	2,600	7.33	19,060	133.00	2,535
1986	1,700	1,500	9.70	14,550	139.00	2,022
1987	1,300	1,300	9.62	12,510	169.00	2,114
1988	1,600	1,500	10.85	16,280	123.00	2,002
1989	1,400	1,300	8.12	10,560	140.00	1,478
1990	700	700	11.34	7,940	137.00	1,088
	Lettuce					
	Acres	Acres	Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
1982	3,500	2,900	210	609	7.67	4,671
1983	3,900	3,800	235	893	11.80	10,537
1984	2,900	2,800	270	756	13.90	10,508
1985	3,800	3,400	240	816	11.10	9,058
1986	2,900	2,500	245	613	10.00	6,130
1987	3,200	3,000	265	795	17.40	13,833
1988	3,300	2,300	280	644	10.70	6,891
1989	2,600	2,600	280	728	13.10	9,537
1990	3,500	3,400	300	1,020	12.40	12,648
	Sweet Corn for Fresh Market					
	Acres	Acres	Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
1982	3,400	3,100	100	310	8.20	2,542
1983	3,100	3,000	115	345	8.70	3,002
1984	3,500	3,400	120	408	8.35	3,407
1985	3,600	3,400	155	527	6.70	3,531
1986	3,500	3,400	165	561	8.30	4,656
1987	3,600	3,500	135	473	8.85	4,186
1988	3,700	3,600	140	504	9.40	4,738
1989	3,300	3,000	145	435	12.40	5,394
1990	3,000	2,800	165	462	12.60	5,821
	Tomatoes for Processing					
	Acres	Acres	Tons	Tons	Dollars	1,000 Dollars
1982	1,100	860	16.08	13,830	67.60	935
1983	1,100	1,100	15.95	17,550	69.80	1,225
1984	1,100	990	13.96	13,820	79.70	1,101
1985	1,200	860	20.12	17,300	71.10	1,230
1986	730	650	16.68	10,840	67.60	733
1987	710	590	12.86	7,590	84.20	639
1988	700	680	18.15	12,340	72.70	897
1989	220	190	19.00	3,610	95.00	343
1990	200	150	15.93	2,390	98.00	234

1/ Estimates discontinued, resumed in 1984.

Onions: Acreage, production and value, Colorado, 1976-90

Year	Acreage planted	Acreage harvested	Yield per acre	Production	Loss	Sales	Value per cwt.	Total value
	Acres	Acres	Cwt.	1,000 Cwt.	1,000 Cwt.		Dollars	1,000 Dollars
1976	6,400	5,900	370	2,183	373	1,810	8.35	15,114
1977	7,500	6,800	300	2,040	450	1,590	5.53	8,793
1978	8,200	7,800	350	2,730	510	2,220	8.27	18,359
1979	8,200	7,800	325	2,535	685	1,850	5.64	10,434
1980	8,700	8,200	300	2,460	570	1,890	13.10	24,759
1981	9,200	9,000	325	2,925	450	2,475	15.70	38,858
1982	10,000	9,300	350	3,255	810	2,445	8.66	21,174
1983	11,600	10,400	330	3,432	755	2,677	14.60	39,084
1984	12,800	12,200	380	4,636	923	3,713	12.80	47,526
1985	13,100	12,600	425	5,355	1,875	3,480	8.95	31,146
1986	11,800	10,800	425	4,590	840	3,750	13.00	48,750
1987	13,300	12,500	375	4,688	775	3,913	11.50	45,000
1988	13,800	13,500	410	5,535	996	4,539	12.30	55,830
1989	14,000	13,800	400	5,520	994	4,526	12.90	58,385
1990	13,800	13,500	380	5,130	1,130	4,000	9.86	39,440

Floriculture: Production, sales, and value, Colorado, 1990 1/

Kind	Number of producers	Plants grown	Production area	Sales			Wholesale price 2/	Value of sales at wholesale
				Unit	Number sold	Percent of sales at wholesale		
	Number	1,000	1,000 Sq. Ft.	1,000	1,000	Percent	Dollars	1,000 Dollars
Cut Flowers 3/	...	...	...	.....	...	...	...	22,312
Carnations	...	4,765	2,150	.....	...	...	...	9,923
Standard	39	3,715	1,620	Blooms	38,120	98	.200	7,624
Miniature	25	1,050	530	Bunches	1,385	98	1.660	2,299
Roses	...	1,465	2,480	.....	...	...	...	10,384
Hybrid Tea	17	1,295	2,160	Blooms	32,105	100	.290	9,310
Sweetheart	12	170	320	Blooms	6,710	100	.160	1,074
Others	26	...	865	.....	...	100	...	1,900
Potted Flowering Plants	...	...	2,088	.....	...	...	...	6,196
African Violets	9	...	60	Pots	230	98	1.300	299
Chrysanthemums	17	...	290	Pots	280	93	2.789	781
Finished Florist Azaleas	18	...	63	Pots	60	89	6.067	364
Easter Lilies	26	...	152	Pots	175	88	3.709	649
Other Lilies	7	...	7	Pots	10	83	4.960	50
Poinsettias	49	...	1,170	Pots	710	90	4.051	2,876
Others	20	...	346	Pots	345	94	3.412	1,177
Foliage Plants	...	...	200	.....	...	...	...	2,581
Hanging Baskets	29	...	...	Baskets	170	95	4.650	791
Potted Foliage	22	...	200	.....	...	80	...	1,790
Bedding/Garden Plants	...	...	4,200	.....	...	...	...	16,760
Flats	...	...	2,635	.....	...	...	...	10,950
Geraniums	24	...	75	Flats	40	94	10.500	420
Other (Incl. Foliar)	97	...	2,330	Flats	1,135	79	8.400	9,534
Vegetable Type	72	...	230	Flats	120	69	8.300	996
Potted	...	...	1,565	.....	...	...	...	5,810
Chrysanthemums	33	...	200	Pots	471	61	.975	459
Geraniums (Cutting)	74	...	430	Pots	1,120	80	1.610	1,803
Geraniums (Seed)	32	...	190	Pots	828	88	.884	732
Other (Incl. Foliar)	45	...	650	Pots	2,000	84	1.325	2,649
Vegetable Type	36	...	95	Pots	290	58	.576	167
Flowering Hanging Baskets	81	...	...	Baskets	210	63	7.300	1,533
Total All Plants	150	...	...	.....	...	...	...	49,382 4/

1/ The total **covered growing area** of 9,515,000 square feet consisted of the following: 7,665,000 square feet of glass, fiberglass, and other rigid greenhouses; 1,810,000 square feet of film plastic (single/double) greenhouses; and 40,000 square feet of shade and temporary cover. In addition, plants were produced on 35 acres of **open ground**.

2/ For potted plants, price represents a weighted average for plants sold in pots less than 5 inches and in pots 5 inches or more.

3/ Value of sales includes Standard and Pom Pom Chrysanthemums and Gladioli which are not published separately.

4/ Based on equivalent wholesale value of all sales for all crops except potted foliage plants which are based on net value of sales.

Field Crops: Usual planting and harvesting dates, Colorado

Crop	Ususal planting dates	Usual harvesting dates			Principal producing districts 1/
		Begin	Most active	End	
Barley:					
Fall sown	Sept. 1 - Oct. 15	June 20	July 1 - July 20	Aug. 5	20, 60, 90
Spring sown	Mar. 15 - Apr. 30	June 20	July 5 - Sept. 10	Sept. 20	10, 20, 70, 80
Beans, dry	May 20 - July 1	Aug. 25	Sept. 5 - Sept. 15	Oct. 10	20, 60, 70, 90
Corn:					
Grain	Apr. 15 - June 1	Oct. 1	Oct. 10 - Nov. 20	Dec. 1	20, 60, 70, 90
Silage	Apr. 15 - June 1	Aug. 25	Sept. 1 - Sept. 25	Oct. 10	20, 60, 70, 90
Hay:					
Alfalfa		June 1	June 5 - Sept. 25	Oct. 10	Statewide
Other		July 1	July 5 - Aug. 10	Sept. 25	Statewide
Oats	Mar. 20 - May 5	July 15	July 25 - Aug. 30	Sept. 20	Statewide
Potatoes:					
Fall	Apr. 25 - May 25	Sept. 15	Oct. 1 - Oct. 10	Oct. 20	80
Summer	Apr. 5 - May 10	July 25	Aug. 15 - Sept. 25	Oct. 20	20
Sorghum:					
Grain	May 5 - June 20	Oct. 1	Oct. 10 - Nov. 15	Nov. 25	60, 90
Silage	May 5 - June 20	Sept. 1	Sept. 5 - Sept. 20	Oct. 1	60, 90
Sugar beets	Apr. 1 - May 25	Oct. 1	Oct. 15 - Nov. 5	Nov. 20	20
Wheat:					
Winter	Aug. 20 - Oct. 10	June 25	July 10 - July 20	Sept. 5	20, 60, 90
Spring	Mar. 25 - May 20	July 15	Aug. 5 - Sept. 25	Oct. 1	10, 80

1/ See footnotes at bottom of page.

Fruit Crops: Usual bloom and harvest dates, Colorado

Crop	Ususal planting dates	Usual harvesting dates			Principal producing counties
		Begin	Most active	End	
Apples	Apr. 20 - May 10	Aug. 5	Sept. 10 - Oct. 10	Nov. 5	Delta, Mesa
Peaches	Apr. 5 - Apr. 25	Aug. 5	Aug. 20 - Sept. 5	Sept. 20	Mesa, Delta
Pears	Apr. 20 - May 5	Aug. 10	Aug. 15 - Sept. 10	Sept. 20	Mesa, Delta
Cherries, Tart	Apr. 30	July 5	July 20 - July 30	Aug. 5	Delta, Mesa

Vegetable Crops: Usual planting and harvesting dates, Colorado

Crop	Ususal planting dates	Usual harvesting dates			Principal producing districts 1/
		Begin	Most active	End	
Carrots	Apr. 1 - July 5	Aug. 1	Aug. 15 - Nov. 30	Dec. 5	20, 60, 80
Lettuce	Mar. 20 - July 10	June 10	June 15 - Sept. 15	Oct. 1	70, 80
Onions	Mar. 10 - Apr. 30	July 10	Aug. 1 - Sept. 30	Oct. 31	20, 70, 90
Sweet corn	Apr. 1 - June 30	July 10	July 20 - Sept. 20	Oct. 5	20, 60, 90

1/ For Districts, see map on inside of front cover as follows:
10-Northwest and Mountains; 20-Northeast; 60-East Central; 70-Southwest; 80-San Luis Valley; 90-Southeast.

Precipitation: Monthly and annual averages by district, Colorado, 1984-90 1/

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual total
Northwest and Mountain District													
						Inches							
Average 1941-70	1.13	1.02	1.29	1.50	1.37	1.28	1.64	1.76	1.19	1.16	.99	1.13	15.46
1984	.42	.64	1.53	1.83	1.04	2.65	2.60	3.62	1.57	2.34	.86	1.08	20.18
1985	1.03	.64	1.76	2.06	1.26	.76	2.50	.50	2.19	1.96	2.56	.89	18.11
1986	.40	2.58	.88	1.62	.82	1.28	2.43	2.09	1.97	1.71	1.24	.48	17.50
1987	.82	.99	1.17	.80	1.71	1.09	1.60	1.86	.57	1.13	1.13	1.32	14.19
1988	1.48	.70	1.16	1.05	1.39	1.51	1.05	1.40	1.23	.34	1.74	1.03	14.08
1989	.79	1.74	1.20	1.09	.96	.92	1.88	1.41	1.14	.71	.86	1.02	13.72
1990	.56	.98	1.51	1.93	1.13	.66	2.35	1.42	1.70	1.89	1.17	.75	16.05
Northeast District													
						Inches							
Average 1941-70	.47	.44	1.00	1.69	2.81	2.41	1.95	1.54	1.10	1.09	.60	.40	15.50
1984	.38	.66	1.61	2.62	1.14	1.83	1.74	1.70	.62	2.90	.08	.36	15.64
1985	.56	.31	.50	2.07	1.89	1.84	3.17	.34	1.95	.73	1.36	.87	15.59
1986	.10	.50	.52	3.06	2.27	2.04	1.02	.98	1.11	1.91	.98	.44	14.93
1987	.40	1.45	1.32	1.02	4.61	3.16	1.38	1.72	.70	.67	1.44	1.11	18.98
1988	.54	.43	1.57	.85	4.09	1.16	1.88	1.58	1.44	.06	.28	.84	14.72
1989	.70	.68	.43	.93	2.01	2.96	1.42	2.22	2.07	.61	.10	.47	14.60
1990	.67	.28	3.13	1.25	2.50	.63	3.27	1.89	1.32	.78	1.04	.28	17.04
East Central District													
						Inches							
Average 1941-70	.41	.39	.87	1.53	2.56	2.29	2.53	2.15	1.26	1.04	.58	.34	15.95
1984	.39	.88	1.31	2.84	1.39	1.90	2.15	2.45	.53	2.91	.18	.39	17.32
1985	.41	.42	.49	1.79	3.31	1.13	4.49	1.18	1.98	.69	.76	.42	17.07
1986	.08	.56	.40	1.97	1.62	2.90	2.00	1.65	.95	1.68	.51	.31	14.63
1987	.36	1.27	1.25	.46	5.17	3.04	1.88	1.93	.82	.55	1.02	.66	18.41
1988	.65	.30	.71	.88	4.11	1.75	2.35	1.57	1.48	.05	.26	.52	14.63
1989	.60	.42	.35	.62	2.10	3.93	1.74	2.75	1.56	.24	.06	.41	14.78
1990	.94	.42	1.94	1.06	3.20	.81	3.55	2.16	1.63	1.10	.98	.13	17.92
West Central and Southwest District													
						Inches							
Average 1941-70	1.25	1.05	1.25	1.35	1.04	.90	1.39	1.88	1.37	1.61	1.00	1.27	15.36
1984	.55	.62	1.72	1.59	.76	2.29	1.57	2.63	1.30	3.43	.78	1.94	19.18
1985	.88	.57	2.55	2.20	1.34	.49	2.21	.52	3.14	2.16	2.52	.88	19.46
1986	.27	1.23	1.18	2.19	1.50	1.13	2.24	1.87	3.17	1.98	2.85	.66	20.27
1987	1.02	1.99	1.51	.68	1.68	.62	1.45	2.35	.48	1.71	2.04	1.20	16.73
1988	1.54	.61	.63	1.21	1.03	1.29	1.06	2.27	1.82	.45	1.82	1.16	14.89
1989	1.12	1.37	.84	.28	.25	.27	1.62	1.64	.77	1.12	.12	.20	9.60
1990	.71	.86	1.49	2.21	.96	.35	2.13	1.51	2.20	1.94	1.35	1.14	16.85
South Central District													
						Inches							
Average 1941-70	.42	.32	.53	.77	.76	.69	1.45	1.59	.86	.97	.38	.48	9.22
1984	.15	.35	.69	.57	.45	.70	1.03	2.09	.56	1.72	.11	.62	9.04
1985	.34	.32	1.04	1.10	.78	.39	2.11	.66	2.15	1.01	.71	.37	10.98
1986	.06	.48	.22	1.05	.72	.91	1.95	1.30	1.29	1.16	1.27	.14	10.55
1987	.70	.68	.68	.55	.92	.75	.31	1.51	.29	.25	.85	.63	8.12
1988	.51	.32	.32	.44	.88	1.07	.94	1.82	.70	.36	.52	.38	8.26
1989	.50	.73	.17	.15	.28	.36	2.01	.96	1.14	.46	.01	.18	6.95
1990	.41	.35	.85	1.81	.81	.27	2.03	1.32	2.37	1.11	.84	.52	12.69
Southeast District													
						Inches							
Average 1941-70	.56	.54	.95	1.51	1.96	1.61	2.24	2.05	1.05	1.02	.62	.55	14.66
1984	.31	.67	1.95	1.63	1.07	.93	2.34	1.97	.59	2.41	.27	.42	14.56
1985	.73	.58	.58	2.16	2.60	.48	2.79	1.07	1.29	1.20	.98	.37	14.83
1986	.18	.27	.32	1.04	.80	3.01	2.41	3.81	1.40	1.84	1.01	.31	16.40
1987	.85	1.42	1.13	.42	3.25	1.91	.61	2.78	1.47	.10	.69	.79	15.42
1988	.57	.34	.68	1.27	2.15	2.23	1.75	1.15	2.47	.10	.38	.53	13.62
1989	.46	.75	.43	.53	2.00	2.14	1.06	2.23	1.77	.25	.06	.64	12.32
1990	.90	1.07	.93	1.10	2.48	.92	4.37	1.51	2.17	.99	.99	.44	17.87

1/ Compiled from reports issued by the National Oceanic and Atmospheric Administration.

COLORADO FARM INCOME

Net farm income for Colorado's 27,000 farm and ranch operators totaled $952.3 million in 1989, nearly 14 percent higher than a year earlier. Gross farm income increased 3 percent from 1988 to $4.54 billion in 1989 while total production expenses increased only slightly from the previous year.

Receipts from farm marketings increased 5 percent from a year earlier to $3.90 billion in 1989 as increased receipts from crops more than offset a slight decline in receipts from livestock and livestock products. In addition, other farm income was up sharply to $329.8 million compared with $209.8 million in 1988. Custom feeding services constitute a large portion of the other farm income category in Colorado. Income from government payments, at $183.4 million, was 35 percent below the $280.5 million in 1988 and was 46 percent below the 1987 payments of $342.0 million. The value of non cash income was down 2 percent to $125.9 million.

(Continued on next page)

Farm income indicators, Colorado, 1985-89

Item	1985	1986	1987	1988	1989
			Million Dollars		
Gross Farm Income 1/	3,645.3	3,552.1	3,963.7	4,414.7	4,540.5
Cash Income	3,533.4	3,543.7	3,734.5	4,190.2	4,411.9
Farm Marketings	3,179.6	3,118.4	3,169.6	3,699.9	3,898.6
Crops	1,095.8	900.1	907.1	1,034.1	1,249.6
Livestock and Products	2,083.8	2,218.3	2,262.4	2,665.8	2,649.1
Government Payments	141.8	234.6	342.0	280.5	183.4
Other Farm Income	212.0	190.7	222.9	209.8	329.8
Machine Hire/Custom Work	17.5	11.2	16.9	15.0	17.7
Other Farm-Related Income 2/	194.5	179.5	206.0	194.8	312.1
Noncash Income	142.4	114.7	126.5	128.2	125.9
Value of Home Consumption	19.9	10.5	12.0	12.3	12.5
Rental Value of Dwellings	122.6	104.2	114.5	116.0	113.4
Operator and Other Dwellings	117.3	99.5	109.8	111.2	109.1
Hired Labor Dwellings	5.3	4.7	4.7	4.7	4.3
Value of Inventory Adjustment	-30.6	-106.3	102.8	96.3	2.7
Total Production Expenses	3,138.3	3,037.0	3,266.0	3,576.5	3,588.2
Intermediate Product Expenses	2,023.8	2,043.2	2,340.5	2,597.6	2,590.0
Farm Origin	1,339.1	1,401.5	1,666.1	1,882.8	1,788.9
Feed Purchased	443.9	469.5	451.5	536.4	560.6
Livestock and Poultry Purchased	852.3	888.1	1,169.6	1,301.3	1,176.8
Seed Purchased	42.9	43.9	44.9	45.1	51.5
Manufactured Inputs	270.1	244.4	246.3	251.5	276.2
Fertilizer & Lime	76.4	70.5	67.9	71.3	79.5
Pesticides	37.9	39.4	42.7	42.0	54.1
Fuel & Oil	114.1	95.3	89.4	90.2	97.4
Electricity	41.6	39.2	46.4	48.1	45.2
Other	414.6	397.3	428.1	463.3	524.9
Repair & Maintenance	98.4	96.6	102.7	106.6	117.9
Other Miscellaneous 3/	316.2	300.7	325.5	356.7	407.0
Interest	447.5	409.7	328.5	326.4	328.3
Real Estate	230.1	212.7	186.7	165.8	158.9
Non-Real Estate	217.4	197.0	141.8	160.6	169.3
Contract and Hired Labor Expenses	144.0	145.1	158.6	164.2	174.0
Cash Labor Expenses 4/	136.5	138.7	150.9	156.7	167.1
Perquisites	7.5	6.4	7.7	7.5	6.8
Net Rent To Non-Operator Landlords	124.4	99.1	108.8	132.4	128.3
Capital Consumption	332.6	276.0	260.9	285.6	294.3
Property Taxes	66.0	63.9	68.7	70.3	73.4
Net Farm Income	507.0	515.1	697.6	838.3	952.3
Number of Farms	26,700	26,600	27,000	27,300	27,000

1/ Includes operator households.
2/ Includes forest product sales, custom feeding services and other farm business-related income.
3/ Includes machine hire and custom work, marketing, storage, transportation and miscellaneous expenses.
4/ Includes contract labor, hired labor, and Social Security payments.

Farm production expenses for 1989, at $3.59 billion, were just slightly larger than a year earlier. The total outlay for feed, livestock and seed in 1989 totaled $1.79 billion, down 5 percent from $1.88 billion a year earlier. Expenditures for those items represented nearly 50 percent of the total production expenses. However, larger expenditures for interest, labor, and taxes and other farm related expenses were slightly more than offsetting. The average total net farm income for 1989 was $35,270 compared with $30,707 in 1988.

Colorado's farm balance sheet continued to show gradual improvement from the previous year. Total farm assets increased to $18.2 billion for 1989, up 1 percent from 1988. The value of real estate represented 68 percent of the total assets and was down 1 percent from the previous year. The value of other financial assets was the only other asset category below a year earlier. The value of livestock and poultry as well as machinery and motor vehicles were higher than 1988 by 8 percent and 3 percent, respectively. All other asset categories were also above the previous year. Total farm debt declined by more than 1 percent from a year earlier to $3.1 billion. A 6 percent decline in real estate debt to $1.6 billion was nearly offset by a 4 percent increase in non-real estate debt to $1.5 billion. Farm equity increased nearly 2 percent to $15.1 billion, resulting in slight improvement in the equity and debt ratios for the state. The equity/assets ratio increased to 82.9 for 1989 compared with 82.5 a year earlier. The debt/equity ratio declined from 21.2 in 1988 to 20.6 for 1989 and the debt/assets ration declined to 17.1, down from 17.5 the previous year.

Livestock and livestock products continued to be the major contributor to Colorado's cash receipts in 1989 with a total income of $2.65 billion, representing 68 percent of the total cash receipts of $3.89 billion. Receipts from cattle and calves totaled $2.2 billion, which represented 84 percent of the total receipts from livestock and 57 percent of the total receipts from all commodities. Receipts from crops totaled $1.25 billion in 1989 representing 32 percent of the total. Corn was the second leading contributor to cash receipts with $274 million, followed very closely by wheat with $273 million. These two crops accounted for 44 percent of the crop's total and 14 percent of the state's total cash receipts. Milk was the fourth largest farm product, contributing $183.4 million to the state's total cash receipts. Hay crops added an additional $165.0 million to cash receipts even though a large portion of the state's hay production is used on the farms where it is produced. Sugar beets contributed $38.4 million, representing 1.0 percent of the state's total cash receipts. The total receipts from all vegetable crops was $325 million in 1989 with potatoes, dry beans, and onions accounting for 90 percent of that total. Receipts from fruit crops added just under $9 million for 1989. Apples was the major contributor in the fruit category with $16.8 million. Peaches normally contribute $2 - $4 million to cash receipts but the 1989 crop was a complete loss due to an early season freeze.

Farm balance sheet, Colorado, December 31, 1985-89 1/

Item	1985	1986	1987	1988	1989
			Million Dollars		
Total Farm Assets	16,619.3	16,709.7	17,322.6	18,010.7	18,218.3
Real Estate	12,381.7	12,585.4	12,546.0	12,435.3	12,361.5
Livestock & Poultry	1,303.8	1,192.9	1,679.6	2,120.9	2,286.9
Machinery & Motor Vehicles	1,257.2	1,239.1	1,249.2	1,289.4	1,328.7
Crops 2/	362.5	291.2	318.3	455.6	464.1
Purchased Inputs	32.8	52.6	65.1	129.0	112.0
Household Equipment and Furnishings	480.7	495.4	567.8	638.3	713.7
Investments in Cooperatives	461.5	447.6	451.2	469.1	489.1
Other Financial	339.2	405.3	445.4	473.1	462.3
Total Farm Debt	4,004.3	3,487.5	3,249.1	3,150.3	3,107.1
Real Estate 3/	2,374.4	2,098.7	1,833.0	1,743.2	1,644.2
Non-Real Estate 4/	1,629.9	1,388.9	1,416.1	1,407.0	1,462.9
Equity	12,615.0	13,222.1	14,073.6	14,860.4	15,111.2
			Ratio		
Equity/Assets	75.9	79.1	81.2	82.5	82.9
Debt/Equity	31.7	26.4	23.1	21.2	20.6
Debt/Assets	24.1	20.9	18.8	17.5	17.1

1/ Includes operator households.
2/ All crops held on farms including value above loan rates for crops held under CCC.
3/ Includes CCC storage and drying facilities loans.
4/ Includes debt owed to both institutional and non-institutional lenders.

Farm Income: Cash receipts by commodity, Colorado, 1986-89

Commodity	1986		1987		1988		1989	
	Cash receipts	Percentage of total 1/	Cash receipts	Percentage of total 1/	Cash receipts	Percentage of total 1/	Cash receipts	Percentage of total 1/
	1,000 Dollars	Percent	1,000 Dollars	Percent	1,000 Dollars	Percent	1,000 Dollars	Percent
All commodities	3,118,409	100.0	3,169,582	100.0	3,699,885	100.0	3,894,439	100.0
Livestock and products	2,218,264	71.1	2,262,443	71.4	2,665,774	72.1	2,649,057	68.0
Meat animals	1,959,170	62.9	1,999,493	63.1	2,365,793	63.9	2,315,595	59.5
Cattle and calves	1,878,955	60.3	1,912,404	60.3	2,285,961	61.8	2,232,584	57.3
Hogs	39,490	1.3	36,638	1.2	34,973	.9	39,531	1.0
Sheep and lambs	40,725	1.3	50,451	1.6	44,859	1.2	43,480	1.1
Dairy products	155,919	5.0	157,224	5.0	160,693	4.3	183,434	4.7
Milk, retail	6,744	.2	7,814	.2	8,233	.2	8,651	.2
Milk, wholesale	149,175	4.8	149,410	4.7	152,460	4.1	174,783	4.5
Poultry/eggs	85,323	2.7	84,860	2.7	114,235	3.1	125,212	3.2
Chicken eggs	31,625	1.0	30,982	1.0	35,933	1.0	52,187	1.3
Other poultry	53,698	1.7	53,878	1.7	78,302	2.1	73,025	1.9
Miscellaneous livestock	17,852	.6	20,866	.7	25,053	.7	24,816	.6
Honey	1,727	.1	2,184	.1	2,191	.1	1,815	*
Wool	3,625	.1	5,182	.2	8,862	.2	8,501	.2
Other livestock	12,500	.4	13,500	.4	14,000	.4	14,500	.4
Crops	900,145	28.9	907,139	28.6	1,034,111	27.9	1,245,382	32.0
Food grains	235,468	7.6	226,080	7.1	265,536	7.2	273,554	7.0
Wheat	235,427	7.5	226,021	7.1	265,329	7.2	273,426	7.0
Feed crops	351,155	11.3	336,017	10.6	398,697	10.8	493,569	12.7
Barley	42,858	1.4	33,492	1.1	33,587	.9	33,803	.9
Corn	185,679	6.0	165,999	5.2	185,921	5.0	274,447	7.0
Hay	105,923	3.4	120,881	3.8	160,818	4.3	164,970	4.2
Oats	1,423	*	1,875	.1	3,294	.1	2,512	.1
Sorghum grain	15,272	.5	13,770	.4	15,077	.4	17,837	.5
Vegetables	186,307	6.0	195,502	6.2	218,166	5.9	325,235	8.4
Beans, dry	43,483	1.4	46,375	1.5	48,453	1.3	101,499	2.6
Potatoes	57,896	1.9	69,010	2.2	60,853	1.6	134,693	3.5
Summer	11,736	.4	9,531	.3	9,596	.3	9,596	.3
Fall	46,160	1.5	59,479	1.9	51,257	1.4	125,097	3.2
Carrots	5,916	.2	3,412	.1	4,234	.1	4,442	.1
Corn, sweet	4,656	.1	4,186	.1	4,738	.1	5,394	.1
Cucumbers	2,022	.1	2,114	.1	2,002	.1	1,478	*
Lettuce	6,130	.2	13,833	.4	6,891	.2	9,537	.2
Onions	54,071	1.7	44,133	1.4	78,098	2.1	56,349	1.4
Miscellaneous vegetables	11,400	.4	11,800	.4	12,000	.3	11,500	.3
Fruits/nuts	5,290	.2	14,184	.4	13,058	.4	8,720	.2
Apples	1,946	.1	8,129	.3	7,174	.2	6,807	.2
Peaches	2,077	.1	3,814	.1	4,175	.1	0	*
Pears	490	*	1,592	*	928	*	1,348	*
Other berries	28	*	68	*	70	*	65	*
Miscellaneous fruits & nuts	390	*	500	*	510	*	400	*
All other crops	121,925	3.9	135,356	4.3	138,654	3.7	144,304	3.7
Sugar beets	29,248	.9	28,426	.9	37,048	1.0	38,395	1.0
Other seeds	850	*	980	*	990	*	960	*
Other field crops	20,308	.7	22,158	.7	24,080	.7	23,673	.6
Greenhouse/nursery	71,519	2.3	83,792	2.6	76,536	2.1	81,276	2.1
Floriculture	44,019	1.4	53,022	1.7	45,736	1.2	50,776	1.3
Ornamentals, other	27,500	.9	30,770	1.0	30,800	.8	30,500	.8

1/ Totals may not add due to rounding.
* Less than 0.05 percent.
Note: Reprinted from **Economic Indicators of the Farm Sector**, February 1991, USDA Economic Research Service.

CASH RECEIPTS DEFINED

Cash receipt data as prepared by the Economic Research Service (ERS) reflect income derived from the sale of agricultural commodities during a calendar year for only that portion of the commodity that is sold. Whereas, value of production data for crops and livestock products as prepared by the National Agricultural Statistics Service (NASS) reflect the total value of the commodity produced based on a marketing year average price.

For certain commodities such as some fruits and vegetables which are normally sold in the same calendar year in which they were produced, cash receipt data and value of production data will be in close agreement. However, for most field crops, the marketing year will span portions of two calendar years, making the two data series non comparable. Data users should be aware of the differences between the ERS and NASS data series in their use of the data.

PRICES RECEIVED BY FARMERS

Prices received by farmers and ranchers provide a basis for calculating the income from the Agricultural Sector as part of the National Income Accounts. These data are also extensively used to analyze past and current marketing patterns and to make current and future marketing decisions. Prices received for major farm commodities are used in computing the Index of Prices Received by Farmers, an important indicator of the economic environment of the nation's agricultural producers.

The basic data for prices received are provided voluntarily by producers, grain dealers, and others who purchase agricultural products. Data collected through monthly price inquiries and other survey questionnaires measure the disposition of individual commodities and the amount of product that is sold during each month of the marketing year. These monthly marketing volumes are used to weight previously estimated monthly prices to a marketing year average price. Monthly and marketing year average prices reflect all sizes and grades of each commodity sold.

Marketing year average prices, by commodity, Colorado, 1982-90

Commodity	Unit	Price per unit 1/								
		1982	1983	1984	1985	1986	1987	1988	1989	1990
		Dollars								
Wheat, all	Bu.	3.35	3.24	3.19	2.77	2.26	2.51	3.69	3.66	2.45
Wheat, winter	Bu.	3.34	3.23	3.18	2.76	2.25	2.51	3.69	3.68	2.45
Wheat, spring	Bu.	3.54	3.40	3.35	3.19	2.46	2.60	3.62	3.45	2.30
Corn, grain	Bu.	2.75	3.17	2.66	2.37	1.60	1.95	2.54	2.32	2.35
Corn, silage	Ton	19.10	21.60	21.70	20.00	16.40	15.30	22.20	21.30	21.60
Barley, all	Bu.	2.96	2.97	2.61	2.60	2.15	2.56	3.01	3.28	3.10
Sorghum, grain	Bu.	2.58	2.79	2.36	2.03	1.42	1.84	2.25	2.20	2.04
Sorghum, silage	Ton	18.70	21.80	19.30	13.70	12.20	12.60	17.00	18.00	19.50
Dry beans 2/	Cwt.	11.70	18.40	16.70	17.20	15.20	14.60	31.20	30.40	15.60
Sugar beets	Ton	35.00	33.40	22.40	27.40	32.90	35.40	42.10	43.70	3/
Oats	Bu.	1.80	1.90	1.85	1.60	1.40	1.60	2.45	1.45	1.70
Hay, all (baled)	Ton	66.00	68.50	72.00	57.50	58.00	62.00	82.00	91.50	79.50
Potatoes, all	Cwt.	3.65	6.25	4.75	2.50	4.40	2.10	7.15	8.10	4.25
Potatoes, summer	Cwt.	4.70	5.25	5.45	4.15	6.00	5.40	5.40	6.00	7.10
Potatoes, fall	Cwt.	3.50	6.40	4.65	2.25	4.20	1.75	7.35	8.35	3.95
Rye	Bu.	2.25	2.05	1.65	1.95	1.15	1.25	2.15	1.65	1.70
Apples, commercial	Lb.	.103	.091	.111	.095	.097	.067	.110	.096	.163
Cherries, tart	Lb.	.188	.419	.250	.229	.399	.101	.251	.125	.207
Peaches	Lb.	.263	.231	.254	.260	.310	.224	.269	4/	.356
Pears	Ton	243.00	168.00	223.00	219.00	280.00	199.00	251.00	337.00	336.00
Carrots	Cwt.	10.10	13.80	12.60	11.70	14.50	7.60	8.40	8.35	7.60
Cucumbers	Ton	3/	3/	131.00	133.00	139.00	169.00	123.00	140.00	137.00
Lettuce	Cwt.	7.67	11.80	13.90	11.10	10.00	17.40	10.70	13.10	12.40
Onions	Cwt.	8.66	14.60	12.80	8.95	13.00	11.50	12.30	12.90	9.86
Sweet Corn	Cwt.	8.20	8.70	8.35	6.70	8.30	8.85	9.40	12.40	12.60
Tomatoes	Ton	67.60	69.80	79.70	71.10	67.60	84.20	72.70	95.00	98.00
Beef cattle	Cwt.	61.90	61.30	63.30	58.50	57.00	66.00	70.90	73.20	78.50
Milk cows	Hd.	1,110.00	1,050.00	935.00	940.00	870.00	1,010.00	1,060.00	1,080.00	1,160.00
Calves	Cwt.	64.60	66.90	65.00	67.50	66.20	82.50	93.20	93.20	99.80
Steers & heifers	Cwt.	63.50	62.60	64.90	59.90	58.70	67.40	72.50	75.30	80.00
Cows	Cwt.	38.50	38.40	37.20	37.60	36.70	45.90	49.10	49.70	53.10
Sheep	Cwt.	17.40	14.80	15.50	23.90	28.30	32.00	25.30	27.30	24.10
Lambs	Cwt.	53.90	56.50	61.50	67.10	67.60	74.60	68.50	63.40	54.40
Hogs	Cwt.	53.80	47.80	48.30	45.10	51.30	53.80	44.60	44.30	55.80
Turkeys	Lb.	.350	.400	.500	.500	.620	5/	5/	5/	5/
Chickens	Lb.	.110	.130	.150	.110	.110	.120	.130	.160	.120
Eggs	Doz.	.600	.700	.750	.600	.660	.580	.550	.760	.778
Milk sold to plants	Cwt.	14.80	14.90	14.80	14.00	13.50	13.40	13.20	14.70	14.50
Wool	Lb.	.67	.57	.78	.62	.68	.93	1.40	1.34	.71

1/ Does not include government payments.
2/ Price applies to clean basis.
3/ Not available.
4/ No 1989 value due to freeze.
5/ Discontinued.

Prices Received: Monthly averages by commodity, Colorado, 1982-90

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	All Wheat											
	Dollars Per Bushel											
1982	3.68	3.58	3.59	3.60	3.51	3.41	3.26	3.14	3.23	3.26	3.33	3.4
1983	3.49	3.48	3.54	3.61	3.50	3.36	3.12	3.26	3.31	3.28	3.28	3.2
1984	3.24	3.18	3.24	3.31	3.34	3.25	3.17	3.22	3.30	3.20	3.18	3.2
1985	3.19	3.16	3.16	3.13	2.93	2.88	2.72	2.59	2.67	2.77	2.85	2.9
1986	2.92	2.90	2.94	3.01	2.99	2.35	2.09	2.06	2.12	2.20	2.29	2.3
1987	2.28	2.38	2.42	2.44	2.54	2.38	2.18	2.20	2.30	2.37	2.52	2.5
1988	2.61	2.70	2.65	2.64	2.75	3.11	3.25	3.27	3.28	3.62	3.74	3.7
1989	3.74	3.96	4.03	4.08	4.04	4.01	3.73	3.72	3.71	3.73	3.80	3.8
1990	3.74	3.67	3.40	3.34	3.42	3.02	2.69	2.43	2.37	2.30	2.34	2.3
	Corn for Grain											
	Dollars Per Bushel											
1982	2.50	2.39	2.44	2.57	2.69	2.79	2.70	2.37	2.19	2.33	2.45	2.5
1983	2.59	2.74	2.92	3.20	3.15	3.35	3.30	3.25	3.15	3.14	3.10	3.1
1984	3.06	2.93	3.12	3.24	3.21	3.31	3.32	3.22	3.11	2.64	2.60	2.6
1985	2.62	2.62	2.70	2.74	2.63	2.88	2.79	2.75	2.55	2.25	2.29	2.4
1986	2.44	2.46	2.45	2.44	2.60	2.52	2.27	1.77	1.71	1.60	1.56	1.5
1987	1.50	1.63	1.58	1.57	1.77	1.72	1.76	1.60	1.64	1.66	1.68	1.7
1988	1.76	1.84	1.79	1.89	1.88	2.47	3.00	2.86	2.85	2.65	2.57	2.5
1989	2.69	2.53	2.60	2.54	2.52	2.43	2.46	2.41	2.29	2.24	2.20	2.2
1990	2.23	2.29	2.30	2.48	2.55	2.71	2.67	2.70	2.52	2.31	2.26	2.2
	Sorghum for Grain 1/											
	Dollars Per Cwt.											
1982	3.96	3.95	3.92	3.94	4.21	4.55	4.63	4.30	4.31	3.57	3.91	4.1
1983	4.23	4.46	4.83	5.45	5.08	5.65	5.29	5.22	5.28	5.03	4.93	5.2
1984	5.00	4.66	4.69	5.03	5.04	5.20	5.12	5.02	4.34	4.16	4.09	4.0
1985	4.11	4.22	4.18	4.92	4.07	5.28	4.74	4.74	4.29	3.35	3.44	3.5
1986	3.72	3.73	3.70	3.84	3.99	4.31	3.67	2/	2.81	2.44	2.44	2.5
1987	2.44	2.34	2.55	2.59	2.74	2.96	2.49	2.70	3.07	2.79	2.70	2.7
1988	2.76	2.71	2.77	2.90	2.81	4.29	4.87	4.48	4.49	4.19	4.03	3.8
1989	4.12	4.45	4.01	4.01	3.96	4.01	3.82	3.74	3.79	3.52	4.02	3.6
1990	3.67	3.31	3.87	4.06	4.22	4.29	2/	2/	3.70	3.39	3.47	3.8
	All Barley											
	Dollars Per Bushel											
1982	3.13	31.8	2.22	2.12	2.10	2.08	2.19	2.77	3.36	2.56	3.08	3.6
1983	2.71	2.07	2.37	2.48	2.54	2.70	2.35	2.86	2.62	3.26	3.25	3.3
1984	2.53	2.71	2.64	2.74	2.64	2.61	2.61	2.75	2.30	2.93	2.94	2.2
1985	2.05	2.15	2.28	2.50	2.25	2.17	2.37	2.29	2.80	3.05	3.33	3.1
1986	2.01	1.87	1.97	1.93	2.01	1.78	1.96	1.76	1.67	2.88	2.77	2.9
1987	1.45	1.44	1.50	1.49	1.50	1.62	2.03	2.47	2.17	2.89	3.52	2.9
1988	2.38	2.55	1.67	1.66	1.70	1.79	2.62	3.40	3.41	3.21	3.11	3.0
1989	2.41	2.06	2.11	2.27	2.24	2.23	2.31	3.86	3.10	3.18	3.44	2.8
1990	2.36	2.35	2.30	2.29	2.55	2.45	2.53	2.88	3.24	2.25	3.44	3.4
	Feed Barley											
	Dollars Per Bushel											
1982	2.13	2.14	2.10	2.12	2.10	2.08	2.19	2.00	2.07	1.91	1.93	1.9
1983	1.85	2.07	2.37	2.48	2.54	2.70	2.32	2.25	2.33	2.30	2.42	2.5
1984	2.53	2.71	2.74	2.74	2.64	2.61	2.29	2.24	2.04	2.17	2.16	2.1
1985	2.05	2.15	2.28	2.50	2.25	2.17	2.03	1.81	1.71	1.75	1.92	1.9
1986	1.98	1.87	1.97	1.92	2.00	1.75	1.39	1.34	1.31	1.30	1.43	1.4
1987	1.31	1.44	1.50	1.49	1.49	1.62	1.37	1.41	1.40	1.46	1.48	1.5
1988	1.56	1.73	1.67	1.66	1.70	1.74	2.14	2.07	2.24	2.09	2.09	2.1
1989	2.22	2.06	2.09	2.27	2.24	2.23	2.05	2.13	2.17	2.36	2.27	2.3
1990	2.36	2.35	2.30	2.29	2.55	2.45	2.15	2.04	2.08	1.97	2.06	2.0

1/ Monthly data not available until October 1981.
2/ Insufficient sales.

Prices Received: Monthly averages by commodity, Colorado, 1982-90 (continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	Dry Beans											
	Dollars Per Cwt.											
1982	14.00	13.90	11.70	11.40	11.80	11.70	11.60	10.50	10.40	12.40	11.20	10.60
1983	10.00	9.80	9.40	10.80	12.70	13.80	15.00	16.00	21.10	20.80	20.70	19.60
1984	18.70	18.00	17.30	18.00	18.10	16.50	15.40	14.90	14.40	14.90	14.40	14.10
1985	14.90	15.30	15.50	16.90	17.80	18.20	19.70	18.30	16.80	18.30	18.00	18.00
1986	18.20	16.80	16.70	16.60	16.30	16.20	16.40	15.30	14.70	16.20	15.90	15.40
1987	14.40	14.50	13.90	13.60	13.90	15.00	16.00	16.30	13.70	13.60	12.30	11.80
1988	11.50	11.40	13.10	13.30	15.70	19.20	25.90	23.90	30.40	29.90	29.20	29.20
1989	29.20	31.80	34.20	34.20	35.30	36.00	36.00	33.80	25.40	26.60	28.20	28.40
1990	33.40	35.80	36.80	37.00	38.40	40.20	39.20	29.00	15.80	15.60	15.60	15.20
	All Hay, Baled											
	Dollars Per Ton											
1982	64.00	66.00	63.00	65.00	66.00	64.00	68.00	67.00	62.00	61.00	64.00	65.00
1983	65.00	68.00	70.00	66.00	67.00	65.00	66.00	64.00	63.00	69.00	68.00	69.00
1984	69.00	70.00	76.00	73.00	75.00	72.00	70.00	71.00	72.00	72.00	73.00	73.00
1985	75.00	73.00	73.00	73.00	70.00	69.00	65.00	62.00	62.00	60.00	58.00	55.00
1986	53.00	56.00	56.00	51.00	54.00	59.00	58.00	58.00	58.00	57.00	58.00	55.00
1987	60.00	59.00	59.00	59.00	58.00	57.00	57.00	58.00	58.00	62.00	64.00	68.00
1988	65.00	62.00	64.00	66.00	70.00	72.00	79.00	81.00	78.00	80.00	84.00	86.00
1989	84.00	82.00	87.00	87.00	87.00	89.00	91.00	88.00	89.00	92.00	92.00	95.00
1990	95.00	95.00	93.00	90.00	87.00	84.00	85.00	82.00	79.00	80.00	79.00	80.00
	Alfalfa Hay, Baled											
	Dollars Per Ton											
1982	64.00	66.00	63.00	64.00	66.00	64.00	68.00	67.00	66.00	65.00	64.00	65.00
1983	66.00	69.00	70.00	66.00	67.00	65.00	66.00	64.00	64.00	70.00	70.00	71.00
1984	72.00	73.00	77.00	76.00	76.00	72.00	70.00	71.00	73.00	74.00	74.00	75.00
1985	77.00	74.00	75.00	74.00	71.00	69.00	65.00	63.00	64.00	61.00	58.00	54.00
1986	52.00	55.00	58.00	51.00	54.00	60.00	58.00	58.00	58.00	58.00	58.00	55.00
1987	61.00	59.00	59.00	59.00	58.00	57.00	57.00	58.00	58.00	63.00	64.00	68.00
1988	65.00	62.00	65.00	66.00	70.00	73.00	80.00	84.00	80.00	83.00	86.00	88.00
1989	86.00	84.00	88.00	88.00	87.00	89.00	91.00	89.00	90.00	92.00	93.00	95.00
1990	95.00	95.00	93.00	90.00	87.00	84.00	85.00	83.00	81.00	80.00	79.00	80.00
	All Other Hay, Baled											
	Dollars Per Ton											
1982	66.00	65.00	65.00	68.00	69.00	72.00	67.00	65.00	66.00	65.00	63.00	65.00
1983	62.00	63.00	66.00	62.00	65.00	66.00	67.00	65.00	61.00	66.00	64.00	63.00
1984	63.00	64.00	65.00	64.00	69.00	65.00	67.00	68.00	68.00	67.00	65.00	63.00
1985	66.00	67.00	66.00	67.00	65.00	63.00	60.00	58.00	59.00	57.00	58.00	60.00
1986	58.00	59.00	53.00	50.00	54.00	52.00	54.00	56.00	60.00	55.00	59.00	55.00
1987	53.00	56.00	54.00	56.00	56.00	60.00	60.00	58.00	60.00	59.00	61.00	65.00
1988	62.00	60.00	60.00	63.00	65.00	67.00	72.00	76.00	72.00	70.00	72.00	73.00
1989	72.00	73.00	76.00	80.00	83.00	85.00	85.00	86.00	88.00	88.00	89.00	92.00
1990	94.00	94.00	90.00	87.00	84.00	81.00	82.00	80.00	76.00	75.00	76.00	78.00
	All Potatoes											
	Dollars Per Cwt.											
1982	3.95	4.70	4.30	4.65	5.40	5.10	5.25	4.75	3.10	3.85	3.80	3.45
1983	3.40	3.25	3.20	4.25	4.10	3.60	5.00	5.80	6.05	5.00	4.55	5.35
1984	7.05	7.00	6.95	6.80	7.00	7.05	5.35	5.95	4.40	3.90	4.00	4.35
1985	4.75	4.45	4.65	5.20	5.65	6.55	5.10	3.55	3.00	2.90	2.65	2.20
1986	2.05	2.05	2.00	2.00	2.10	3.25	5.40	6.95	5.15	3.95	3.65	3.50
1987	3.65	3.75	3.80	3.75	5.50	6.65	7.80	5.65	4.15	3.00	2.15	1.65
1988	1.85	1.65	1.60	1.40	1.60	1.80	2.25	5.25	5.90	5.65	5.60	5.30
1989	6.25	6.80	8.35	8.45	8.80	9.80	10.40	6.55	6.30	6.05	5.60	6.00
1990	7.65	8.50	11.00	11.30	8.75	9.10	10.00	8.95	5.65	4.10	3.55	3.80

Prices Received: Monthly averages by commodity, Colorado, 1982-90 (continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	Apples for Fresh Market											
	Cents Per Pound											
1982	14.70	14.50	14.50	...	...	...	...	14.20	14.10	14.00	13.60	13.80
1983	13.90	14.00	14.20	14.20	14.20	...	...	10.00	9.00	8.50	9.00	13.00
1984	19.00	22.00	22.00	...	...	...	...	18.00	18.00	14.00	14.00	15.00
1985	16.00	16.50	20.00	21.00	...	...	...	...	16.00	13.00	12.00	13.00
1986	12.00	12.00	10.00	...	...	...	...	...	14.70	12.80	12.70	13.70
1987	13.80	...	...	...	...	...	...	8.00	8.50	11.00	11.00	7.50
1988	8.00	...	...	...	...	...	...	...	...	16.00	13.00	12.00
1989	11.00	11.00	9.00	...	...	...	...	...	16.00	12.00	11.00	9.50
1990	22.00	18.00	...	...	...	...	...	...	...	29.00	14.00	29.00
	Beef Cattle											
	Dollars Per Cwt.											
1982	57.20	61.60	64.00	66.30	69.20	68.10	64.20	63.30	59.90	58.30	56.80	57.50
1983	59.30	61.00	64.20	66.80	66.10	64.40	61.90	60.10	57.30	57.20	57.50	62.50
1984	65.10	64.40	66.80	66.60	64.60	63.40	64.50	62.40	60.70	59.10	60.60	63.00
1985	62.50	62.60	60.90	59.70	59.30	56.70	54.50	52.10	53.60	57.50	60.30	60.30
1986	56.30	55.90	55.70	53.90	55.70	54.20	57.60	56.30	59.30	59.00	60.20	57.40
1987	59.30	62.90	64.20	68.60	69.20	67.90	66.20	66.00	69.00	67.90	66.40	65.40
1988	67.50	69.80	71.90	73.80	74.10	70.90	65.90	68.70	70.90	73.90	71.80	70.90
1989	74.00	74.40	76.90	76.00	73.30	70.50	71.00	72.70	71.10	72.90	73.20	72.90
1990	77.30	77.90	78.40	79.00	77.30	77.30	76.30	78.90	80.30	80.20	78.80	79.80
	Cows											
	Dollars Per Cwt.											
1982	37.60	39.50	40.60	40.90	42.10	41.60	40.40	41.40	39.10	37.40	33.80	36.60
1983	37.90	43.10	43.50	41.60	42.60	40.10	38.60	39.60	37.20	34.80	33.70	34.60
1984	36.60	40.00	41.00	39.90	38.70	38.80	39.00	37.80	36.90	35.40	33.90	36.20
1985	42.00	45.60	44.40	40.00	40.00	36.60	34.80	35.60	35.40	33.10	33.30	33.40
1986	35.90	39.50	38.50	33.80	36.00	37.60	37.10	36.50	37.60	36.90	35.90	36.70
1987	42.30	45.10	46.40	45.60	46.50	45.50	44.30	47.00	49.30	46.40	46.00	47.00
1988	47.20	51.60	54.10	52.30	49.80	44.90	47.10	48.60	50.50	47.70	48.50	46.90
1989	50.00	57.60	50.50	53.70	47.50	47.20	46.50	51.20	50.50	48.80	47.50	49.40
1990	53.40	54.00	54.30	54.20	56.70	56.80	55.80	56.10	53.90	50.50	48.80	51.00
	Steers and Heifers											
	Dollars Per Cwt.											
1982	59.70	62.60	65.30	68.20	70.60	69.60	65.00	64.10	60.80	59.70	59.50	59.90
1983	61.00	61.90	65.40	68.30	67.40	65.40	62.50	61.10	57.90	58.60	59.40	64.70
1984	67.30	66.20	68.00	67.70	65.70	64.50	65.40	63.70	61.70	60.70	63.80	65.70
1985	64.60	63.80	61.90	60.40	60.00	58.00	55.20	52.80	54.40	59.10	62.90	64.10
1986	59.30	57.20	56.80	55.10	57.00	55.50	58.70	57.30	60.20	61.00	62.80	61.10
1987	60.80	63.80	65.00	69.90	70.60	70.00	67.10	67.20	69.90	70.40	68.70	67.20
1988	68.90	70.90	73.10	74.90	76.10	72.20	66.60	69.50	72.00	75.60	75.70	73.80
1989	76.10	75.60	78.70	77.30	75.70	72.60	71.90	74.10	72.80	75.10	77.70	77.30
1990	79.50	79.30	80.00	80.50	78.90	77.80	76.70	79.80	80.90	81.50	83.20	81.60
	Calves											
	Dollars Per Cwt.											
1982	59.50	61.10	67.20	68.00	67.10	68.10	64.80	65.30	64.70	65.80	61.30	63.20
1983	66.20	70.30	70.80	71.40	70.00	67.60	62.20	60.90	58.30	61.90	63.40	65.80
1984	67.40	65.00	67.40	67.20	64.90	62.30	61.00	57.80	59.90	63.80	63.90	64.40
1985	69.20	70.90	71.20	71.70	69.10	66.20	61.30	57.40	62.60	65.80	66.80	64.20
1986	66.10	67.00	66.90	61.90	60.80	59.80	63.00	63.00	65.80	67.30	66.40	68.10
1987	73.20	77.10	77.80	80.10	79.10	78.40	74.20	80.50	93.80	87.20	89.00	89.10
1988	94.20	97.00	98.30	93.50	94.00	88.70	89.30	88.90	94.20	92.70	91.50	93.40
1989	92.80	97.10	94.60	90.90	87.40	89.70	93.00	99.70	96.10	93.50	91.00	94.30
1990	96.40	100.00	100.00	102.00	103.00	102.00	106.00	101.00	101.00	98.70	100.00	102.00

Prices Received: Monthly averages by commodity, Colorado, 1982-90 (continued)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Milk Cows for Dairy Herd Replacement 1/												
Dollars Per Head												
1982 2/	1,160	...	...	1,090	...	...	1,100	...	...	1,070	...	...
1983	1,080	...	...	1,100	...	...	1,060	...	...	960	...	...
1984	910	...	...	945	...	...	950	...	...	930	...	...
1985	960	...	...	970	...	...	930	...	...	890	...	...
1986	910	...	...	850	...	...	850	...	...	860	...	...
1987	920	...	...	980	...	...	1,020	...	...	1,100	...	...
1988	1,080	...	...	1,080	...	...	1,070	...	...	1,020	...	...
1989	1,030	...	...	1,100	...	...	1,100	...	...	1,100	...	...
1990	1,080	...	...	1,100	...	...	1,200	...	...	1,250	...	...
Milk Sold to Plants												
Dollars Per Cwt.												
1982	15.20	15.10	14.90	14.80	14.50	14.30	14.20	14.40	14.80	15.00	15.20	15.20
1983	15.10	15.10	15.00	15.00	14.70	14.40	14.30	14.60	14.90	15.10	15.30	15.40
1984	15.30	15.00	14.90	14.80	14.50	14.10	14.10	14.30	14.60	15.10	15.50	15.20
1985	15.20	15.20	14.80	14.40	13.80	13.10	13.10	13.30	13.60	14.00	14.10	14.00
1986	14.00	13.80	13.60	13.40	13.10	13.00	12.80	13.10	13.60	14.10	14.20	14.10
1987	14.10	13.90	13.90	13.30	12.80	12.70	12.70	13.00	13.60	13.80	13.90	13.80
1988	13.90	13.60	13.30	12.80	11.70	12.20	11.90	12.80	13.50	14.00	14.50	14.80
1989	14.80	14.60	14.10	13.80	13.70	13.70	13.80	14.60	15.20	15.70	16.00	16.60
1990	16.60	15.70	14.90	14.10	14.20	14.20	14.50	14.90	14.90	14.00	13.10	12.10
Sheep												
Dollars Per Cwt.												
1982	20.80	22.10	21.00	20.00	22.60	18.30	17.60	22.90	19.20	15.40	16.00	17.00
1983	23.20	21.90	16.30	14.80	13.60	13.30	22.80	15.60	15.20	12.80	12.80	17.80
1984	20.90	22.50	18.20	11.90	9.70	13.70	12.70	13.40	17.70	13.60	14.90	28.90
1985	23.90	29.00	28.40	18.60	21.70	22.40	23.20	26.90	25.30	20.50	28.40	25.80
1986	32.70	23.90	31.80	23.60	18.40	22.90	28.00	30.40	31.40	27.30	27.70	33.60
1987	33.30	42.40	31.40	29.30	25.70	25.50	25.60	37.80	37.70	28.00	31.30	29.40
1988	35.10	35.80	31.10	29.60	18.20	22.90	24.80	22.20	23.20	23.50	25.10	27.30
1989	41.20	36.70	36.30	30.90	13.80	21.30	22.80	21.60	22.00	23.40	28.10	32.70
1990	36.10	35.90	28.20	22.10	18.40	22.30	24.20	23.00	18.20	17.40	22.70	24.20
Lambs												
Dollars Per Cwt.												
1982	49.30	52.30	60.40	62.00	66.00	61.40	58.20	54.40	53.90	50.40	49.00	51.10
1983	55.30	60.60	63.20	61.70	59.60	56.00	52.70	50.00	47.90	51.80	57.50	60.00
1984	60.60	58.80	56.70	59.50	62.10	60.40	61.90	63.20	63.70	63.10	63.80	61.40
1985	61.50	66.50	68.00	65.00	72.50	70.90	72.40	71.60	70.30	66.70	63.00	58.40
1986	61.30	66.30	61.00	68.90	76.80	73.90	73.10	70.10	67.20	58.60	73.80	71.30
1987	75.60	73.60	78.10	81.80	88.00	84.50	77.60	75.70	73.50	65.00	61.80	74.30
1988	79.60	76.80	74.20	66.20	67.30	59.00	60.60	60.40	65.90	66.40	67.60	66.40
1989	64.60	65.60	70.20	68.70	70.10	70.90	69.40	66.10	65.40	57.10	53.50	53.20
1990	51.00	52.60	63.90	60.90	52.70	53.20	53.50	55.60	56.20	55.90	53.20	50.00
Wool												
Cents Per Pound												
1982	86	82	81	83	76	79	60	62	60	54	54	51
1983	48	50	54	58	56	60	56	61	58	66	63	59
1984	62	68	66	89	92	78	74	82	69	61	71	66
1985	59	66	60	63	62	67	62	64	55	64	63	54
1986	58	63	63	68	72	76	62	70	61	58	69	58
1987	75	93	83	97	98	104	71	82	89	69	89	86
1988	82	115	141	150	155	139	138	100	94	86	113	107
1989	145	148	139	136	138	133	114	144	81	112	71	71
1990	69	74	78	75	80	73	59	73	60	54	44	52

1/ Includes springer heifers.
2/ Prices estimated quarterly beginning January 1982.

1990 LIVESTOCK REVIEW

The Livestock and Livestock Products Production Index for 1990 increased 7 points from a year earlier to 120 percent of the 1977 base period. The Meat Animal Index was up 9 points to 116 percent of the base period and the Dairy Products Index was up 7 points to 163 percent. Partially offsetting the increases were a 10 point decline in the Poultry Index to 119 percent of the base period and a 7 point decline in the Wool Index which was only 65 percent of the 1977 base period.

The January 1, 1991 inventory of all cattle and calves declined 3 percent from a year earlier to 2.8 million head. The January 1, 1991 all sheep and lamb inventory declined 15 percent from the 1990 inventory to 710,000. The inventory of all hogs and pigs on December 1, 1990 increased 30 percent from a year earlier to 300,000 head. The all chicken inventory also increased substantially, up 19 percent from December 1, 1989 to 4.37 million on December 1, 1990. Colorado is the fourth largest cattle feeding state, marketing over 2 million head of fed cattle annually and continues to be the largest sheep feeding state as several surrounding states ship their lambs into Colorado for feeding and slaughter.

Pasture and range feed condition, as of April 30, 1990 was rated at 5 percent very poor, 14 percent poor, 36 percent fair, 39 percent good, and 6 percent excellent. Favorable moisture improved conditions through the first half of June with over 60 percent rated good to excellent. By the first week of July, conditions declined with less precipitation. Rainfall improved conditions later in July. Pasture and range feed conditions were mostly good to excellent in late summer and fall. With limited moisture received during the winter, pasture and range feed conditions were rated as being mostly fair to poor by mid-March 1991.

ALL CATTLE AND CALVES - The inventory of all cattle and calves on January 1, 1991 declined 3 percent from a year earlier to 2.8 million head. The number of cattle on feed for the slaughter market increased nearly 12 percent from one year earlier to 1,005,000 head and accounted for over one third of the state's total inventory. During 1990, there were 285 feedlots in operation in Colorado compared with 295 in 1989. Those feedlots marketed 2,195,000 head of fed cattle during the year, down from 2,300,000 a year earlier. The 17 largest feedlots marketed 62 percent of the annual total in 1990. The all cow inventory, at 850,000 head, was unchanged from 1990; the beef cow inventory of 773,000 head was nearly unchanged from the previous year; and the dairy herd inventory increased by 1 percent over 1990 and totaled 77,000 head. Milk production was at a record high for the sixth consecutive year. The state's dairy herds produced 1.32 billion pounds with the average production per cow also at a record high of 17,182 pounds. The 1990 calf crop was estimated at 830,000 head, up 1 percent from the 825,000 calves born in 1989. The January 1, 1991 inventory value of all cattle and calves totaled $1.97 billion, up 11 percent from the previous year.

SHEEP AND LAMBS - The January 1, 1991 inventory of all sheep and lambs declined 15 percent from 1990 to 710,000 head. The number of sheep and lambs on feed declined 35 percent from the previous year to 250,000 head, the lowest January 1 number on feed since 1986. The sharp decline in the number on feed temporarily removed Colorado from its long standing rein as the leading sheep and lamb feeding state. California moved into that position by increasing its on feed inventory by 24 percent from the previous year to 280,000 head. However, Colorado's total number of sheep and lambs fed for the year continues to rank above all other states. The number of stock sheep increased 1 percent to 460,000 head. The 1990 lamb crop of 425,000 head was 6 percent above the 400,000 lambs born in 1989. Wool production for 1990 totaled just under 5.7 million pounds, which compares with 6.3 million pounds in 1989. In 1990, wool had an average price of only $0.71 per pound compared with $1.34 per pound in 1989. Total value of the 1990 wool crop was placed at $4.0 million, down from $8.5 million in 1989. The total value of the all sheep and lamb inventory on January 1, 1991, at $56.8 million, declined 20 percent from a year earlier.

HOGS AND PIGS - The December 1, 1990 inventory of all hogs and pigs, at 300,000 head, was 30 percent higher than last year and the largest since 1981. The breeding hog inventory was up 20 percent to 42,000 head and the market hog inventory was up 32 percent to 258,000 head. The state's total pig crop for 1990, at 481,000, was 22 percent higher than the 1989 crop of 394,000. The December 1989 - May 1990 crop was 12 percent above the previous year and the June - November 1990 crop was up 32 percent. The number of sows farrowed in the two time periods was up 13 percent and up 24 percent respectively. The inventory value of all hogs and pigs was placed at $27.9 million, 40 percent higher than a year earlier.

CHICKENS AND EGGS - The December 1, 1990 inventory of all chickens increased over 19 percent from a year earlier to 4,372,000. During the period from December 1, 1989 through November 30, 1990 the state's laying flocks produced 788 million eggs, down 4 percent from the comparable period a year earlier. The total value of all chickens was $7.87 million, 4 percent below a year earlier. While the inventory was greater than a year ago, the average value per bird was $1.80 in 1990 compared with $2.25 in 1989.

Livestock Operations: Number by specie, Colorado, 1983-90

Year	All cattle operations	Beef cow operations 1/ 2/	Milk cow operations 1/	Cattle feedlots 1/	Sheep operations	Hog operations
	Number					
1983	18,500	...	3,800	350	2,200	3,200
1984	19,000	...	3,500	360	2,400	3,000
1985	17,000	...	3,000	330	2,500	2,700
1986	16,500	12,000	2,600	300	2,600	2,300
1987	15,500	11,500	2,000	310	2,300	2,300
1988	15,000	11,000	1,800	295	2,400	2,500
1989	15,000	10,800	1,700	295	2,300	2,400
1990	15,000	10,800	1,700	285	2,400	2,000

1/ Included in operations with cattle.
2/ Estimates began in 1986.

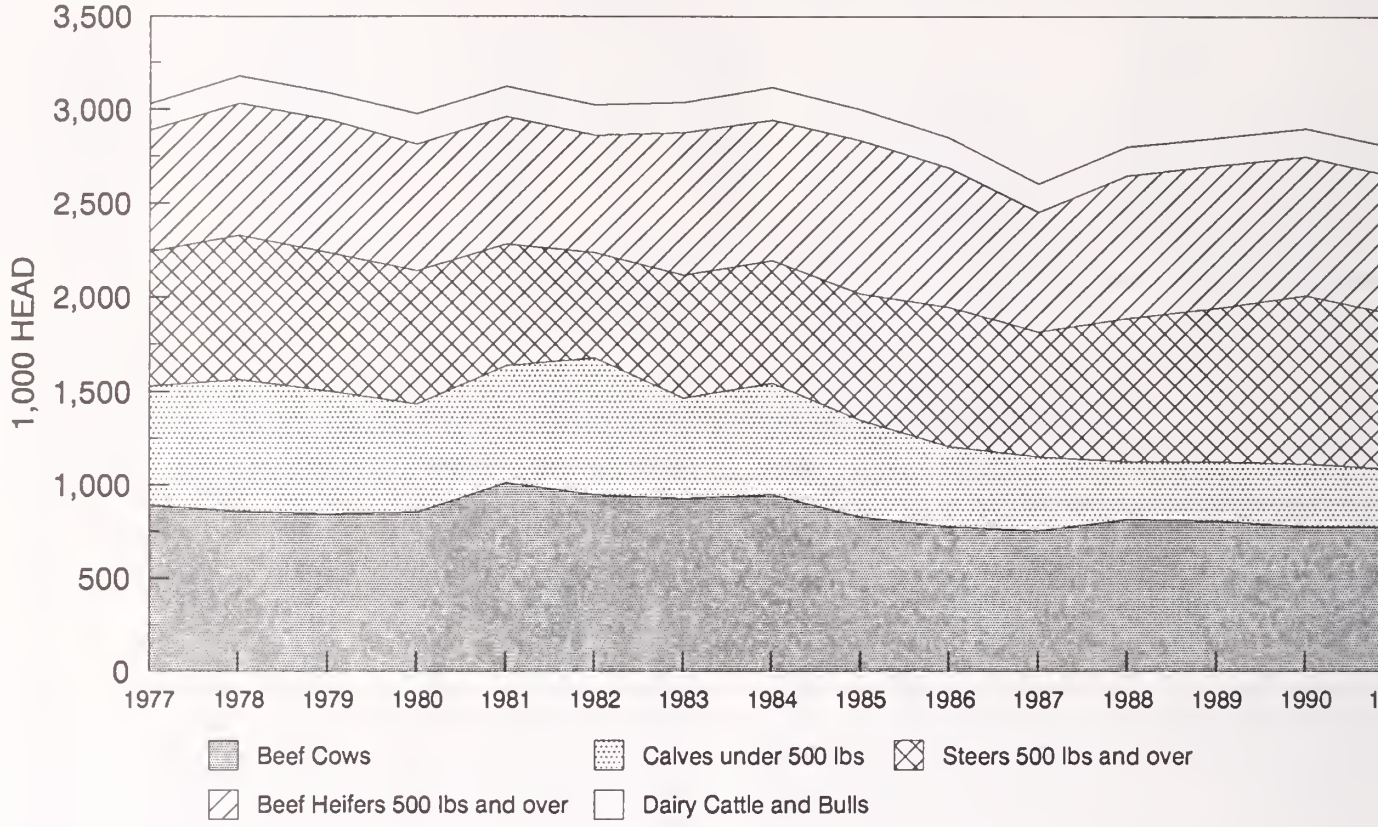
Livestock: Inventory by class, Colorado, January 1, 1984-91

Class	1984	1985	1986	1987	1988	1989	1990	1991
	Thousands							
All cattle and calves	3,120	3,000	2,850	2,600	2,800	2,850	2,900	2,800
All cows & heifers that have calved	1,023	900	855	830	885	880	850	850
Beef cows & heifers	946	825	773	752	812	805	774	773
Milk cows & heifers	77	75	82	78	73	75	76	77
Heifers 500 lbs & over	783	850	780	665	800	790	770	765
For beef cow replacement	150	140	100	109	130	145	140	143
For milk cow replacement	31	30	35	26	35	30	30	30
Other heifers	602	680	645	530	635	615	600	592
Steers 500 lbs & over	655	670	740	665	760	820	900	827
Bulls 500 lbs & over	66	60	45	45	45	45	45	48
Steers, heifers, & bulls under 500 lbs	593	520	430	395	310	315	335	310
Cattle on feed 1/	980	1,000	935	920	940	885	900	1,005
Calf crop, annual	875	785	785	800	815	825	830	...
All sheep and lambs	690	675	600	690	755	825	840	710
Sheep & lambs on feed	260	300	240	310	360	380	385	250
Stock sheep	430	375	360	380	395	445	455	460
Lambs	70	55	55	70	64	77	67	84
Ewes	55	45	45	55	53	64	55	71
Rams & wethers	15	10	10	15	11	13	12	13
Sheep one year & older	360	320	305	310	331	368	388	376
Ewes	350	310	295	300	320	355	375	363
Rams & wethers	10	10	10	10	11	13	13	13
Lamb crop, annual	375	350	350	330	360	400	425	...
All hogs & pigs 2/	260	210	225	190	205	220	230	300
Breeding	30	20	28	26	34	32	35	42
Market	230	190	197	164	171	188	195	258
Under 60 lbs	75	60	75	57	64	70	70	100
60-119 lbs	55	50	45	47	37	48	50	63
120-179 lbs	60	40	47	34	38	42	40	52
180 lbs & over	40	40	30	26	32	28	35	43
Pig crop, annual	412	333	331	320	377	394	481	...
All chickens 2/	3,020	3,175	2,595	2,935	3,470	3,986	3,659	4,372
Hens & pullets of laying age	2,500	2,620	2,335	2,600	2,990	3,175	3,126	3,387
Hens	1,800	1,020	1,150	1,470	1,440	1,570	1,100	2,002
Pullets	700	1,600	1,185	1,130	1,550	1,605	2,026	1,385
Pullets 3 mos. & older not of laying age	210	240	75	124	234	310	193	297
Pullets under 3 mos. old	285	300	172	200	240	498	297	618
Other chickens	25	15	13	11	6	3	43	70

1/ Included in other classes.
2/ December 1 preceding year.

CATTLE and CALVES

Inventory by class, Colorado
January 1, 1977-91

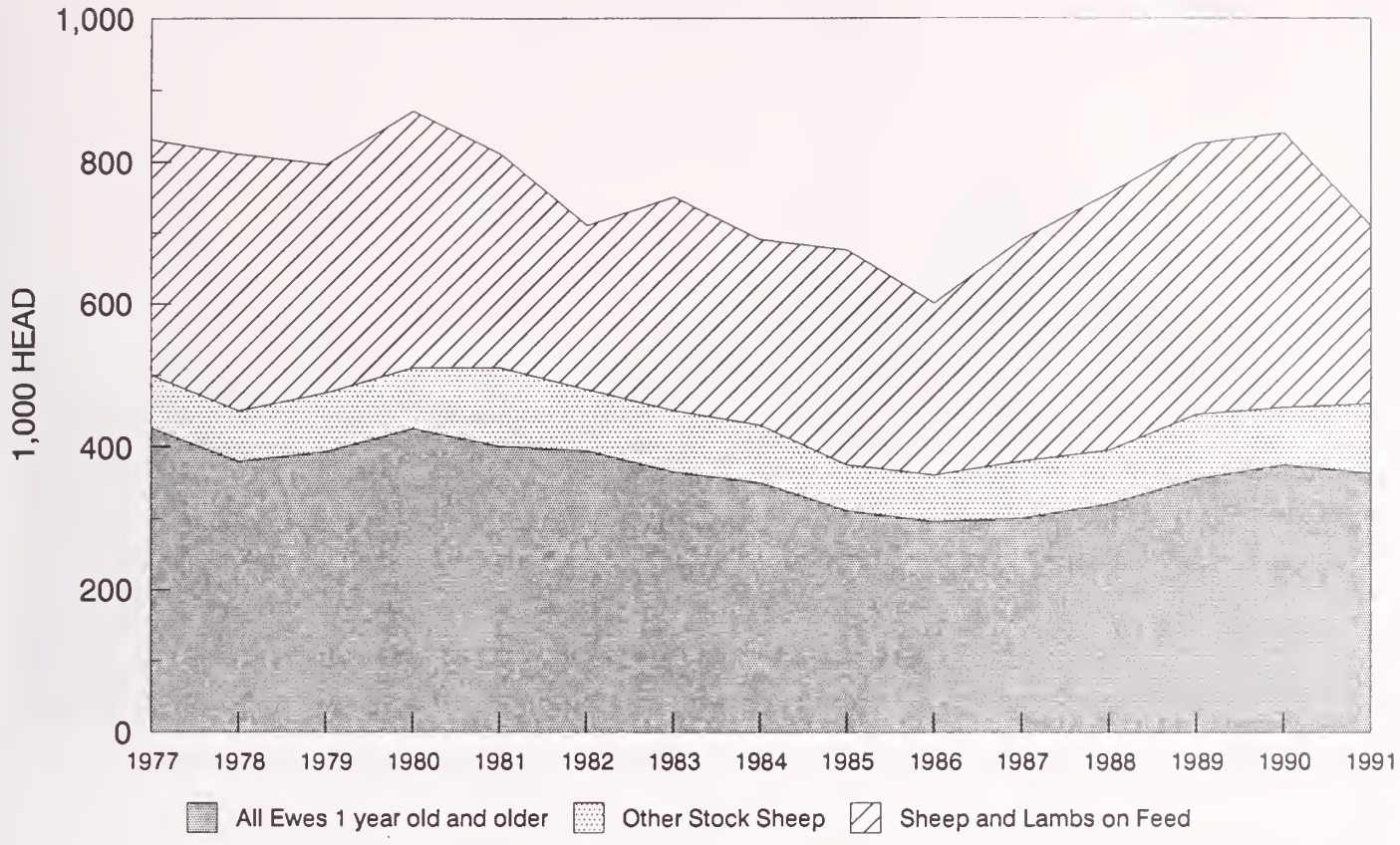


Cattle and Calves: Inventory by class, Colorado, January 1, 1973-91

Year	Total	Cows and heifers that have calved		Heifers 500 lbs. and over			Steers 500 lbs. and over	Bulls 500 lbs. and over	Steer heifer bulls 500 l
		Beef	Milk	Beef cow replace-ments	Milk cow replace-ments	Other			
	1,000 Head								
1973	3,756	1,106	75	206	29	416	826	65	1,0
1974	3,744	1,125	76	246	30	401	900	71	8
1975	3,375	1,050	75	294	34	385	651	71	8
1976	3,250	1,040	75	180	40	475	705	60	6
1977	3,030	889	71	136	21	516	712	49	6
1978	3,180	857	72	127	25	579	766	51	7
1979	3,090	843	72	133	28	578	735	46	6
1980	2,975	853	72	180	33	497	711	54	5
1981	3,125	1,009	71	169	31	516	644	60	6
1982	3,025	945	75	233	36	396	560	51	7
1983	3,040	925	75	150	30	610	655	60	5
1984	3,120	946	77	150	31	602	655	66	5
1985	3,000	825	75	140	30	680	670	60	5
1986	2,850	773	82	100	35	645	740	45	4
1987	2,600	752	78	109	26	530	665	45	3
1988	2,800	812	73	130	35	635	760	45	3
1989	2,850	805	75	145	30	615	820	45	3
1990	2,900	774	76	140	30	600	900	45	3
1991	2,800	773	77	143	30	592	827	48	3

SHEEP and LAMBS

Inventory by class, Colorado
January 1, 1977-91

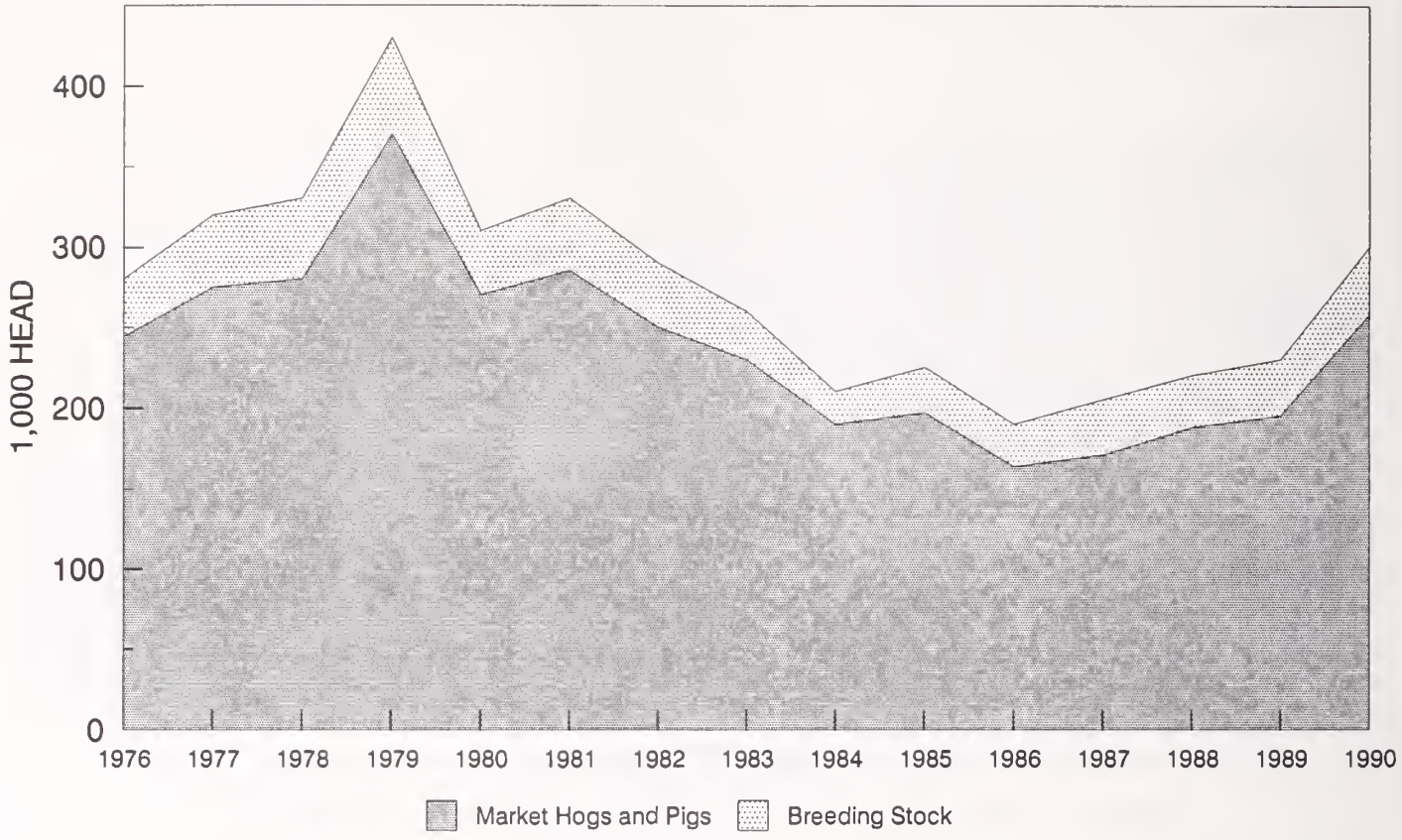


Sheep and Lambs: Inventory by class, Colorado, January 1, 1973-91

Year	All sheep	Sheep and lambs on feed	Stock sheep				
			Total	Lambs		One year and older	
				Ewes	Wethers and rams	Ewes	Wethers and rams
	1,000 Head						
1973	1,204	520	684	65	8	594	17
1974	1,140	510	630	71	13	531	15
1975	990	440	550	56	10	470	14
1976	920	400	520	47	7	452	14
1977	830	330	500	56	6	426	12
1978	810	360	450	53	6	380	11
1979	795	320	475	64	6	393	12
1980	870	360	510	66	6	425	13
1981	810	300	510	86	11	400	13
1982	710	230	480	58	14	394	14
1983	750	300	450	58	15	365	12
1984	690	260	430	55	15	350	10
1985	675	300	375	45	10	310	10
1986	600	240	360	45	10	295	10
1987	690	310	380	55	15	300	10
1988	755	360	395	53	11	320	11
1989	825	380	445	64	13	355	13
1990	840	385	455	55	12	375	13
1991	710	250	460	71	13	363	13

HOGS and PIGS

Inventory by class, Colorado
December 1, 1976-90



Hogs and Pigs: Inventory by class, Colorado, December 1, 1973-90

Year	Total	Breeding	Marketing			
			Under 60 pounds	60-119 pounds	120-179 pounds	180 lbs & over
	1,000 Head					
1973	340	44	110	77	62	47
1974	325	39	102	78	60	46
1975	290	36	89	66	53	46
1976	280	36	95	62	50	37
1977	320	45	115	65	52	43
1978	330	50	116	66	60	38
1979	430	60	130	94	91	55
1980	310	40	100	60	70	40
1981	330	45	95	75	80	35
1982	290	40	95	70	50	35
1983	260	30	75	55	60	40
1984	210	20	60	50	40	40
1985	225	28	75	45	47	30
1986	190	26	57	47	34	26
1987	205	34	64	37	38	32
1988	220	32	70	48	42	28
1989	230	35	70	50	40	35
1990	300	42	100	63	52	43

Hogs: Breeding hogs and pig crop, Colorado, 1980-90

Year	Breeding hogs on farms Dec. 1	Pig Crop					
		December-May			June-November		
		Sows farrowed	Pigs per litter	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved
	1,000 Head	1,000 Head	Number	1,000 Head	1,000 Head	Number	1,000 Head
1980	40	55	7.6	418	34	7.0	238
1981	45	42	7.0	294	32	7.5	240
1982	40	41	7.2	295	29	7.8	226
1983	30	37	7.5	278	28	7.4	207
1984	20	33	8.0	264	19	7.8	148
1985	28	19	7.5	143	25	7.6	190
1986	26	24	7.7	185	19	7.7	146
1987	34	21	7.8	164	20	7.8	156
1988	32	23	8.0	185	23	8.3	192
1989	35	24	8.2	197	25	7.9	197
1990	42	27	8.1	220	31	8.4	261

Sheep: Shipments into Colorado from selected states and Canada, 1984-90

State	1984	1985	1986	1987	1988	1989	1990
	Head						
California	12	134	2,654	225	6,348	483	146
Idaho	13,757	8,719	8,772	199	116	147	5,376
Kansas	1,042	35	204	53	92	187	35
Montana	50,257	61,256	27,805	39,494	63,562	46,877	57,979
Nebraska	13,707	3,916	243	669	1,211	837	4,473
New Mexico	28,750	925	20,655	20,755	10,895	7,562	3,086
North Dakota	40,323	30,035	25,057	31,136	30,936	39,785	31,251
Oklahoma	982	28	206	37	28	199	46
South Dakota	76,239	59,335	53,493	63,169	91,498	59,351	51,642
Texas	52,652	28,343	30,208	22,094	12,605	10,083	9,451
Utah	284	6,212	1,995	10,531	12,372	7,978	16,457
Wyoming	108,538	124,253	125,987	90,939	106,132	87,133	75,305
Other states	29,344	3,776	10,305	1,249	1,120	5,393	2,662
Canada	2,058	1,921	711	...	4,794	9,550	14
Total 1/	417,945	328,888	308,295	280,550	341,709	275,565	257,923

1/ Receipts as tabulated from State Veterinarian Health Certificates, including both directs and terminal market receipts.

Wool: Production and value, Colorado, 1980-90 1/

Year	All sheep shorn	Weight per fleece	Production	Price per pound	Total value
	1,000 Head	Pounds	1,000 Pounds	Dollars	1,000 Dollars
1980	1,100	7.6	8,338	.89	7,421
1981	980	7.8	7,656	.89	6,814
1982	1,070	7.5	8,054	.67	5,396
1983	1,060	7.3	7,764	.57	4,425
1984	930	7.2	6,690	.78	5,218
1985	815	6.7	5,487	.62	3,402
1986	810	6.6	5,331	.68	3,625
1987	818	6.8	5,572	.93	5,182
1988	960	6.6	6,330	1.40	8,862
1989	824	7.7	6,344	1.34	8,501
1990	770	7.4	5,698	.71	4,046

1/ Includes wool shorn from stock sheep and from sheep and lambs on feed.

Cattle and Calves: Production, disposition and value, Colorado, 1980-90

Year	Calf crop	Inshipments	Marketings 1/		Farm slaughter	Deaths	Production	Marketings 2/	Cash receipts	Value of home consumption
			Cattle	Calves						
	1,000 Head		1,000 Head		1,000 Head		1,000 Pounds		1,000 Dollars	
1980	910	2,235	2,638	182	10	165	1,575,530	2,850,480	1,880,193	17,647
1981	900	1,807	2,578	95	4	130	1,466,140	2,705,870	1,690,138	7,279
1982	850	1,960	2,563	95	5	132	1,497,345	2,710,325	1,678,525	9,729
1983	900	1,940	2,493	120	5	142	1,529,990	2,692,110	1,652,447	11,302
1984	875	2,000	2,712	125	8	150	1,624,860	2,934,840	1,858,519	11,844
1985	785	2,015	2,682	127	6	135	1,664,770	2,997,780	1,757,131	13,397
1986	785	2,150	2,937	125	3	120	1,750,930	3,290,360	1,878,955	5,549
1987	800	2,260	2,607	125	3	125	1,682,990	2,889,770	1,912,404	7,735
1988	815	2,300	2,825	115	5	120	1,817,550	3,214,800	2,285,961	8,562
1989	825	2,050	2,595	112	3	115	1,791,340	3,039,880	2,232,584	7,225
1990	830	2,180	2,887	105	3	115	1,945,720	3,316,560	2,610,209	6,805

1/ Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.
2/ Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

Sheep and Lambs: Production, disposition and value, Colorado, 1980-90

Year	Lamb crop	Inshipments	Marketings 1/		Farm slaughter	Deaths	Production	Marketings 2/	Cash receipts	Value of home consumption
			Sheep	Lambs						
	1,000 Head		1,000 Head		1,000 Head		1,000 Pounds		1,000 Dollars	
1980	435	609	136	846	6	116	65,459	115,682	66,791	448
1981	440	436	101	744	5	126	52,506	94,859	49,169	324
1982	440	548	109	725	3	111	59,594	96,755	46,983	164
1983	410	505	94	788	3	90	60,083	102,772	52,976	167
1984	375	425	134	578	3	100	48,358	80,236	42,988	737
1985	350	340	98	575	2	90	49,439	82,662	49,539	166
1986	350	360	92	446	2	80	49,539	67,839	40,725	165
1987	330	380	34	548	3	60	48,751	70,347	50,451	359
1988	360	345	69	517	4	45	55,244	71,580	44,859	377
1989	400	285	70	538	2	60	55,795	74,162	43,481	268
1990	425	260	91	647	2	75	58,219	90,140	45,176	244

1/ Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.
2/ Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

Hogs and Pigs: Production, disposition and value, Colorado, 1980-90

Year	Pig crop (pigs saved)			Inshipments	Marketings 1/	Farm slaughter	Deaths	Production	Marketings 2/	Cash receipts	Value of home consumption
	Spring	Fall	Total								
	1,000 Head			1,000 Head		1,000 Head		1,000 Pounds		1,000 Dollars	
1980	418	238	656	6	727	10	45	151,155	158,166	61,198	3,592
1981	294	240	534	5	465	7	47	111,035	101,490	44,817	2,902
1982	295	226	521	8	534	5	30	113,430	114,980	62,275	2,846
1983	278	207	485	11	498	3	25	109,800	109,143	52,213	1,583
1984	264	148	412	20	454	2	26	94,759	100,239	48,494	1,111
1985	143	190	333	15	311	5	17	71,621	66,309	29,984	2,075
1986	185	146	331	5	343	1	27	73,549	76,803	39,490	354
1987	164	156	320	19	302	2	20	71,795	68,014	36,638	742
1988	185	192	377	10	342	1	29	78,859	78,373	34,973	210
1989	197	197	394	25	387	1	21	88,763	89,118	39,531	425
1990	220	261	481	30	420	1	20	98,168	94,608	52,848	402

1/ Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.
2/ Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

Livestock slaughter by specie, Colorado, 1985-90 1/

Year	Cattle			Calves		
	Number slaughtered	Total liveweight	Average liveweight	Number slaughtered	Total liveweight	Average liveweight
	Head	1,000 Pounds	Pounds	Head	1,000 Pounds	Pounds
1985	1,713,800	1,902,330	1,110	100	38	292
1986	1,919,500	2,130,000	1,110	400	112	257
1987	2,118,500	2,326,018	1,098	200	38	246
1988	2,248,800	2,540,959	1,130	100	17	216
1989	2,182,500	2,541,506	1,165	2/	2/	2/
1990	2,078,600	2,362,876	1,137	100	23	216

Year	Sheep and Lambs			Hogs		
1985	1,237,200	145,835	118	164,700	37,643	229
1986	1,261,200	154,826	123	162,000	37,048	229
1987	1,117,100	136,034	122	249,100	57,845	232
1988	1,279,100	171,273	134	152,500	35,420	232
1989	1,685,000	227,866	135	35,300	8,261	234
1990	1,558,200	219,328	141	34,000	7,798	229

1/ Excludes farm slaughter.
2/ Less than 50 head.

Livestock slaughter by specie, by month, Colorado, 1985-90 1/

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	1,000 Head											
	Cattle											
1985	179.2	136.6	148.8	143.4	144.0	127.3	147.6	154.8	144.7	149.2	115.4	122.8
1986	144.9	136.8	149.1	150.3	146.4	147.2	177.7	181.9	188.6	179.3	146.0	171.5
1987	203.2	170.2	181.2	165.5	137.7	162.5	190.5	187.4	196.1	185.8	152.2	186.2
1988	198.5	195.0	196.5	178.3	172.5	197.7	199.9	211.5	203.4	178.2	150.1	167.2
1989	177.5	169.2	176.8	166.0	189.9	197.0	191.3	205.5	186.4	187.6	167.9	167.5
1990	193.3	175.1	188.7	162.1	195.1	192.2	186.7	193.2	164.4	174.5	129.2	124.0
	Calves											
1985	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
1986	2/	2/	2/	2/	2/	2/	2/	.1	.1	2/	2/	2/
1987	.1	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
1988	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
1989	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
1990	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/
	Sheep and Lambs											
1985	127.0	96.7	123.7	102.9	92.1	87.3	97.6	89.5	112.0	120.9	87.4	100.1
1986	116.0	100.0	103.9	90.2	96.0	95.2	96.9	85.3	122.5	132.6	105.3	117.3
1987	100.3	86.1	96.2	101.5	69.6	77.8	76.0	80.5	111.4	102.9	101.0	114.1
1988	97.9	97.2	134.9	97.4	98.3	103.0	83.3	97.1	109.0	107.2	108.3	145.4
1989	129.4	126.5	155.0	128.8	152.8	135.0	121.7	128.3	141.3	156.8	157.7	151.7
1990	153.7	119.9	146.8	143.8	152.4	121.3	112.6	114.6	115.3	130.9	124.3	122.6
	Hogs											
1985	32.7	10.9	11.1	12.2	12.4	11.3	12.1	13.0	12.3	13.7	11.5	11.4
1986	12.3	10.4	11.3	14.1	14.8	14.0	13.3	13.9	15.1	14.8	13.5	14.5
1987	12.5	13.1	12.9	14.3	13.9	17.2	17.1	18.3	24.9	30.7	36.6	37.6
1988	34.3	30.8	25.2	20.9	19.8	3.8	2.2	3.7	3.0	2.9	2.9	3.0
1989	3.0	2.0	2.9	2.6	2.8	2.8	3.2	4.4	3.2	3.0	2.8	2.7
1990	2.9	2.4	2.5	2.3	2.5	2.4	2.8	4.2	3.2	3.3	2.9	2.7

1/ Excludes farm slaughter.
2/ Less than 50 head.

Stocker and Feeder Cattle: Shipments into Colorado from other states and countries, 1983-90 1/

State	1983	1984	1985	1986	1987	1988	1989	1990
	Head							
Alabama	11,692	16,769	15,396	23,656	21,369	18,824	14,786	19,588
Arizona	15,279	29,828	37,582	49,618	27,436	32,200	20,790	38,251
Arkansas	25,527	25,318	19,594	17,831	28,840	38,378	27,145	24,587
California	50,805	79,269	96,650	115,007	100,201	79,507	63,733	90,417
Idaho	115,314	115,088	131,227	110,261	64,033	57,345	65,795	53,787
Iowa	15,841	16,048	22,321	20,967	6,451	10,046	9,522	11,545
Kansas	228,292	212,206	131,523	137,491	197,790	234,341	260,064	259,709
Kentucky	23,615	33,215	22,591	32,301	40,415	42,598	41,363	66,109
Mississippi	25,488	20,831	24,958	13,445	22,985	19,374	28,591	32,033
Missouri	63,632	43,420	35,615	34,872	42,864	44,110	35,429	35,819
Montana	117,286	168,803	205,666	124,006	117,672	132,235	93,408	111,342
Nebraska	115,443	118,430	135,864	142,641	159,155	183,821	177,848	161,561
Nevada	26,157	36,731	62,721	37,382	46,408	33,544	51,276	29,998
New Mexico	117,651	69,225	66,078	92,373	110,656	92,925	61,061	62,699
North Dakota	23,064	48,022	38,150	51,386	43,985	53,876	32,696	28,454
Oklahoma	216,420	223,873	131,118	212,842	240,763	263,813	258,114	276,161
Oregon	22,707	23,332	21,993	60,805	23,261	18,315	32,306	26,282
South Dakota	55,411	83,555	86,568	53,509	44,476	66,645	44,433	49,091
Tennessee	15,439	15,847	27,322	39,363	46,636	16,667	2,616	9,758
Texas	309,933	250,589	206,094	307,701	421,744	409,965	315,805	345,056
Utah	91,365	99,763	107,354	108,510	106,099	99,569	109,869	96,647
Washington	4,527	1,839	7,052	9,286	4,891	2,609	2,263	1,159
Wyoming	246,124	315,576	336,463	287,023	292,422	318,789	240,068	233,215
Other states	14,677	17,820	10,930	12,396	15,828	12,108	20,021	39,377
Canada	2,301	1,378	15,289	17,673	133	971	15,640	34,915
Mexico	4,298	2,274	6,226	13,447	11,335	3,211	8,894	21,782
Total	1,958,288	2,069,049	2,002,345	2,125,792	2,237,848	2,285,796	2,033,536	2,159,342

1/ Receipts as tabulated from State Veterinarian Health Certificates; includes both direct and terminal market receipts but excludes any cattle going to slaughter market or plants.

Feedlots: Number by size of feedlot, Colorado, 1980-90

Feedlot capacity	Number of lots										
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	Number										
Under 1,000 head	200	200	254	135	179	154	130	140	133	130	119
1,000-1,999	75	75	67	70	62	57	55	50	51	49	54
2,000-3,999	61	61	62	65	55	59	55	55	48	54	50
4,000-7,999	20	20	27	31	25	23	24	30	29	29	27
8,000-15,999	22	22	21	27	23	20	18	16	16	14	18
16,000-31,999	15	15	14	13	10	11	12	11	9	10	9
32,000 and over	7	7	5	9	6	6	6	8	9	9	8
Total all feedlots	400	400	450	350	360	330	300	310	295	295	285

Fed Cattle Marketings: Number marketed by size of feedlot, Colorado, 1980-90

Feedlot capacity	Marketed for slaughter										
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
	1,000 Head										
Under 1,000 head	116	112	144	135	110	85	70	45	45	35	40
1,000-1,999	96	93	123	112	88	105	115	90	95	75	70
2,000-3,999	232	214	246	247	241	230	225	200	185	205	180
4,000-7,999	180	167	246	247	220	230	295	265	265	250	250
8,000-15,999	231	223	246	292	373	295	270	310	260	210	290
16,000-31,999	366	380	348	382	417	340	415	445	325	425	330
32,000 and over	730	726	687	850	761	825	900	895	1,210	1,100	1,035
Total all feedlots	1,951	1,915	2,040	2,265	2,210	2,110	2,290	2,250	2,385	2,300	2,195

Cattle and Calves: Number on feed, placements, marketings and other disappearance, by month, Colorado, 1981-91 1/

Month	Year										
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
	1,000 Head										
January											
Number on feed, January 1	845	750	1,020	980	1,000	935	920	940	885	900	1,005
Placed on feed during January	171	178	185	150	155	160	170	170	180	220	180
Marketed during January	180	175	200	190	240	220	270	240	230	230	235
Other disappearance during January	16	23	20	10	15	10	10	5	10	10	10
February											
Number on feed, February 1	820	730	985	930	900	865	810	865	825	880	940
Placed on feed during February	118	179	173	170	160	170	175	185	230	160	170
Marketed during February	185	180	225	235	200	210	200	245	225	200	180
Other disappearance during February	28	14	18	15	10	10	10	15	15	10	10
March											
Number on feed, March 1	725	715	915	850	850	815	775	790	815	830	920
Placed on feed during March	181	260	198	230	170	215	195	250	315	270	235
Marketed during March	210	190	220	200	175	220	195	210	205	195	190
Other disappearance during March	31	15	33	20	15	10	10	15	10	5	15
April											
Number on feed, April 1	665	770	860	860	830	800	765	815	915	900	950
Placed on feed during April	205	206	240	175	180	170	210	185	190	155	180
Marketed during April	140	155	170	190	175	200	165	170	165	160	190
Other disappearance during April	30	11	30	25	10	10	10	10	15	10	10
May											
Number on feed, May 1	700	810	900	820	825	760	800	820	925	885	930
Placed on feed during May	177	180	190	220	180	165	220	275	185	150	...
Marketed during May	145	135	180	185	175	170	135	180	180	170	...
Other disappearance during May	22	35	30	35	15	15	15	15	15	10	...
June											
Number on feed, June 1	710	820	880	820	815	740	870	900	915	855	...
Placed on feed during June	171	133	190	125	105	105	95	120	110	110	...
Marketed during June	170	175	180	150	150	180	190	190	180	185	...
Other disappearance during June	16	18	10	15	10	5	15	5	10	10	...
July											
Number on feed, July 1	695	760	880	780	760	660	760	825	835	770	...
Placed on feed during July	91	150	85	133	105	155	100	95	100	115	...
Marketed during July	145	165	165	175	180	210	210	210	200	200	...
Other disappearance during July	11	5	10	8	5	5	10	5	5	5	...
August											
Number on feed, August 1	630	740	790	730	680	600	640	705	730	680	...
Placed on feed during August	116	199	150	180	130	175	200	190	165	200	...
Marketed during August	145	200	190	205	185	200	210	230	235	195	...
Other disappearance during August	6	4	15	5	10	5	5	5	5	5	...
September											
Number on feed, September 1	595	735	735	700	615	570	625	660	655	680	...
Placed on feed during September	204	292	283	310	300	336	405	355	280	305	...
Marketed during September	145	190	200	175	170	190	195	215	180	185	...
Other disappearance during September	4	7	3	10	5	1	5	5	5	5	...
October											
Number on feed, October 1	650	830	815	825	740	715	830	795	750	795	...
Placed on feed during October	263	345	348	350	400	380	335	280	345	360	...
Marketed during October	160	170	180	190	170	150	175	165	190	180	...
Other disappearance during October	8	5	3	10	10	10	10	10	5	10	...
November											
Number on feed, November 1	745	1,000	980	975	960	935	980	900	900	965	...
Placed on feed during November	205	189	195	220	170	185	165	210	220	225	...
Marketed during November	140	140	180	160	150	150	135	140	150	150	...
Other disappearance during November	15	9	15	15	10	10	15	15	10	15	...
December											
Number on feed, December 1	795	1,040	980	1,020	970	960	995	955	960	1,025	...
Placed on feed during December	118	160	185	150	115	160	125	140	110	135	...
Marketed during December	150	165	175	155	140	190	170	190	160	145	...
Other disappearance during December	13	15	10	15	10	10	10	20	10	10	...

1/ Includes death losses, movement from feedlots to pastures, and shipments to other feedlots for further feeding.

Cattle: Number on feed by class, by quarter, Colorado, 1985-91

Year/Month	Number on feed	Classes of cattle on feed			Placements during past 3 months	Marketings during past 3 months	Other disappearance during past 3 months
		Steers and steer calves	Heifers and heifer calves	Cows and others			
	Thousand Head						
1985 January 1	1,000	471	519	10	720	505	40
April 1	830	365	460	5	485	615	40
July 1	760	327	430	3	465	500	35
October 1	740	350	385	5	535	535	20
1986 January 1	935	460	470	5	685	460	30
April 1	800	410	375	15	545	650	30
July 1	660	358	300	2	440	550	30
October 1	715	384	329	2	666	600	11
1987 January 1	920	480	435	5	725	490	30
April 1	765	435	325	5	540	665	30
July 1	760	410	347	3	525	490	40
October 1	830	434	395	1	705	615	20
1988 January 1	940	500	435	5	625	480	35
April 1	815	460	352	3	605	695	35
July 1	825	460	362	3	580	540	30
October 1	795	424	370	1	640	655	15
1989 January 1	885	458	420	7	630	495	45
April 1	915	537	374	4	725	660	35
July 1	835	420	409	6	485	525	40
October 1	750	377	371	2	545	615	15
1990 January 1	900	526	370	4	675	500	25
April 1	900	544	355	1	650	625	25
July 1	770	426	341	3	415	515	30
October 1	795	445	349	1	620	580	15
1991 January 1	1,005	590	410	5	720	475	35
April 1	950	605	340	5	585	605	35

Steers and Heifers: Number on feed by weight group, by quarter, Colorado, 1985-91

Year/Month	Steers					Heifers			
	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 lbs. and over	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900 lbs. and over
	Thousand Head								
1985 January 1	8	57	102	246	58	11	91	215	202
April 1	3	52	150	105	55	6	119	210	125
July 1	2	12	94	175	44	2	33	250	145
October 1	1	21	155	91	82	2	66	213	104
1986 January 1	7	58	87	243	65	11	56	180	223
April 1	7	47	157	126	73	4	79	157	135
July 1	1	24	87	205	41	1	51	130	118
October 1	6	33	185	130	30	5	52	197	75
1987 January 1	7	73	123	214	63	10	67	180	178
April 1	2	66	200	129	38	4	87	150	84
July 1	2	25	140	222	21	4	57	188	98
October 1	6	48	205	120	55	10	87	221	77
1988 January 1	7	81	116	208	88	8	84	153	190
April 1	9	40	233	147	31	15	65	172	100
July 1	3	26	112	255	64	5	28	175	154
October 1	10	27	184	150	53	1	71	176	122
1989 January 1	4	58	103	184	109	4	43	124	249
April 1	8	53	252	159	65	3	74	189	108
July 1	1	32	91	227	69	2	42	154	211
October 1	4	31	115	160	67	2	34	216	119
1990 January 1	2	90	162	156	116	3	76	108	183
April 1	4	46	254	207	33	2	79	204	70
July 1	10	34	139	180	63	3	36	151	151
October 1	5	63	148	172	57	4	51	172	122
1991 January 1	13	108	136	197	136	7	97	122	184
April 1	6	60	248	225	66	4	50	203	83

Milk cows and milk production by month/quarter, Colorado, 1982-90 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual total
	Average number of milk cows												
	Thousand												
1982	75	75	74	...	...	75	...	...	75	...	...	75	75
1983	75	75	75	75	75	76	76	76	76	76	76	77	76
1984	75	75	74	74	74	75	75	75	75	75	75	75	75
1985	75	75	75	76	77	78	78	78	79	80	81	82	78
1986	...	...	81	...	...	81	...	...	80	...	...	79	80
1987	...	...	78	...	...	77	...	...	76	...	...	75	77
1988	...	...	74	...	...	74	...	...	74	...	...	75	74
1989	...	...	75	...	...	75	...	...	76	...	...	77	76
1990	...	...	77	...	...	77	...	...	77	...	...	77	77
	Milk production per cow 2/												
	Pounds												
1982	1,040	960	1,120	...	...	3,390	...	...	3,330	...	...	3,130	12,960
1983	1,080	1,000	1,120	1,080	1,150	1,105	1,135	1,120	1,065	1,090	1,055	1,050	12,987
1984	1,025	965	1,050	1,055	1,110	1,100	1,150	1,135	1,050	1,070	1,030	1,055	12,747
1985	1,090	1,000	1,150	1,175	1,240	1,225	1,295	1,260	1,200	1,210	1,160	1,180	14,167
1986	1,210	1,110	1,250	...	...	3,810	...	...	3,810	...	...	3,650	14,850
1987	...	...	3,730	...	...	4,050	...	...	4,120	...	...	4,055	15,481
1988	...	...	3,970	...	...	4,190	...	...	4,270	...	...	4,090	16,581
1989	...	...	4,040	...	...	4,360	...	...	4,300	...	...	4,155	16,803
1990	...	...	4,180	...	...	4,360	...	...	4,350	...	...	4,285	17,182
	Milk production 2/												
	Million Pounds												
1982	78	72	83	...	...	254	...	...	250	...	...	235	972
1983	81	75	84	81	86	84	86	85	81	83	80	81	987
1984	77	72	78	78	82	83	86	85	79	80	77	79	956
1985	82	75	86	89	95	96	101	98	95	97	94	97	1,105
1986	...	...	289	...	...	309	...	...	305	...	...	285	1,188
1987	...	...	287	...	...	304	...	...	305	...	...	296	1,192
1988	...	...	294	...	...	310	...	...	316	...	...	307	1,227
1989	...	...	303	...	...	327	...	...	327	...	...	320	1,277
1990	...	...	322	...	...	336	...	...	335	...	...	330	1,323

1/ Quarterly estimates are as follows: Jan.-March; April-June; July-Sept.; Oct.-Dec. Milk cows are the average for the quarter; milk production is total for the quarter; production per cow for the quarter is derived by dividing total production by average number of cows for the quarter.
2/ Excludes milk sucked by calves.

Milk cows, milk, and milkfat production, Colorado, 1982-90

Year	Number of milk cows on farms 1/	Production per milk cow 2/		Percentage of milkfat in milk	Total production on farms	
		Milk	Milkfat		Milk	Milkfat
	Thousands	**Pounds**	**Pounds**	**Percent**	**Million Pounds**	
1982	75	12,960	463	3.57	972	35
1983	76	12,987	464	3.57	987	35
1984	75	12,747	461	3.62	956	35
1985	78	14,167	517	3.65	1,105	40
1986	80	14,850	545	3.67	1,188	44
1987	77	15,481	568	3.67	1,192	44
1988	74	16,581	613	3.70	1,227	45
1989	76	16,803	620	3.69	1,277	47
1990	77	17,182	627	3.65	1,323	48

1/ Average number on farms during year, excluding heifers not yet fresh.
2/ Excludes milk sucked by calves.

Milk disposition and cash receipts, Colorado, 1980-90

Year	Milk used on farms where produced			Milk and cream sold to plants and dealers		
	Fed to calves	Used in the farm household for milk, cream and butter	Total	Quantity	Price per 100 lbs.	Cash receipts
	Million Pounds				Dollars	1,000 Dollars
1980	35	14	49	775	14.00	108,500
1981	37	12	49	845	14.90	125,905
1982	44	13	57	880	14.80	130,240
1983	43	12	55	902	14.90	134,398
1984	43	10	53	874	14.80	129,352
1985	42	10	52	1,025	14.00	143,500
1986	43	11	54	1,105	13.50	149,175
1987	39	8	47	1,115	13.40	149,410
1988	34	8	42	1,155	13.20	152,460
1989	39	19	58	1,189	14.70	174,783
1990	44	8	52	1,240	14.50	179,800

Year	Milk sold directly to consumers 1/			Combined marketings of milk and cream				Value of products consumed on farms where produced 3/	Gross farm income from dairy products 4/
					Average returns 2/				
	Quantity	Price per quart	Cash receipts	Milk utilized	Per 100 lbs. milk	Per lb. milkfat	Cash receipts		
	Million Quarts	Cents	1,000 Dollars	Million Pounds	Dollars	Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars
1980	15.8	50.0	7,907	809	14.39	4.01	116,407	2,014	118,421
1981	15.8	53.0	8,381	879	15.28	4.30	134,286	1,833	136,120
1982	16.3	52.0	8,465	915	15.16	4.25	138,705	1,971	140,676
1983	14.0	53.0	7,395	932	15.21	4.26	141,793	1,826	143,619
1984	13.5	53.0	7,149	903	15.12	4.18	136,501	1,512	138,012
1985	13.0	52.0	6,772	1,053	14.27	3.91	150,272	1,427	151,699
1986	13.5	50.0	6,744	1,134	13.75	3.75	155,919	1,512	157,432
1987	14.0	56.0	7,814	1,145	13.73	3.74	157,224	1,099	158,322
1988	14.0	59.0	8,233	1,185	13.56	3.67	160,693	1,085	161,777
1989	14.0	62.0	8,651	1,219	15.05	4.08	183,434	2,859	186,293
1990	14.4	60.0	8,651	1,271	14.83	4.06	188,451	1,186	189,637

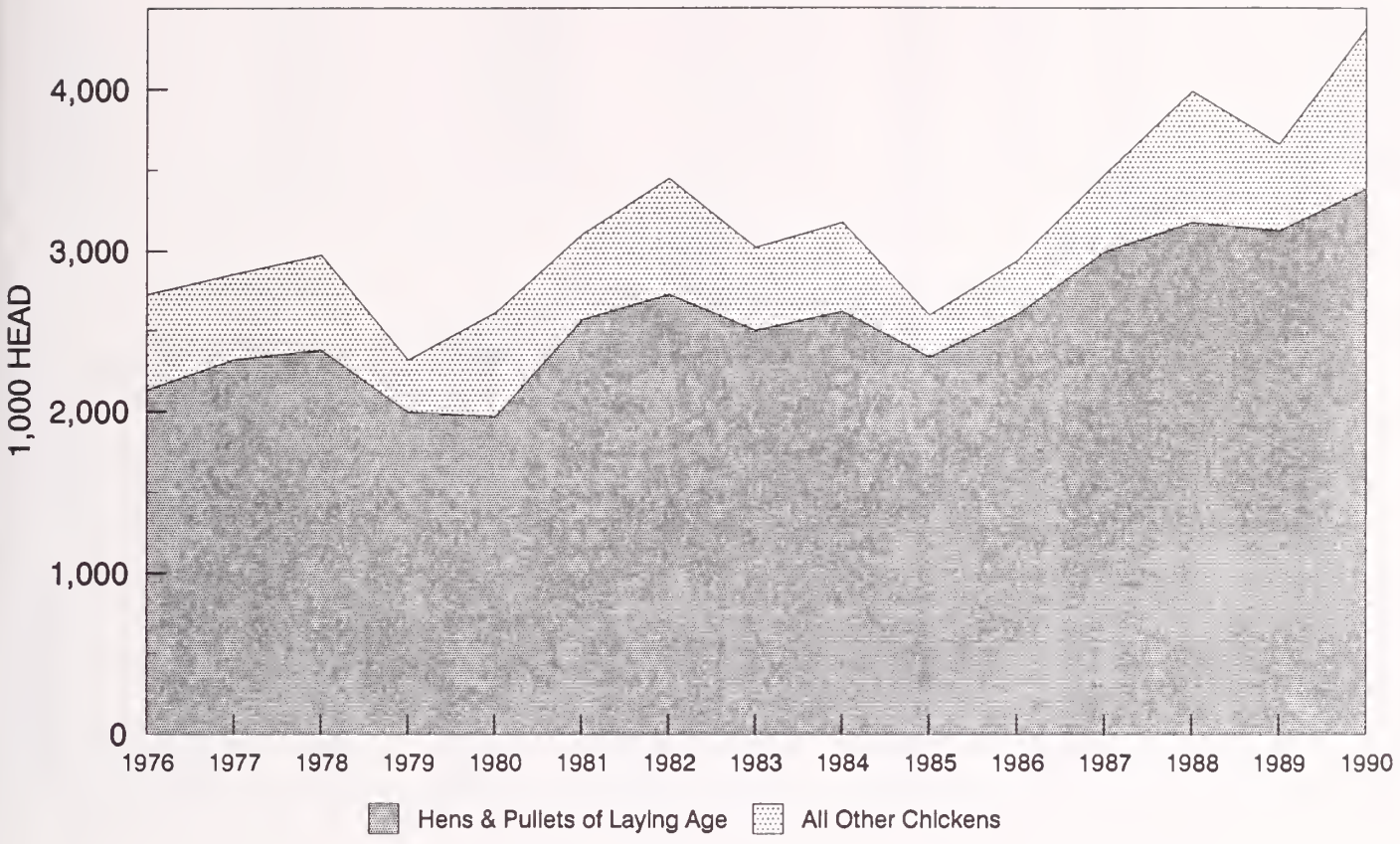
1/ Sales directly to consumers by producers. Also includes milk produced by institutional herds.
2/ Cash receipts divided by milk or milkfat represented in combined marketings.
3/ Valued at average returns per 100 pounds of milk listed under combined marketings of milk and cream.
4/ From marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.

Dairy Products: Quantities manufactured, Colorado, 1980-90

Year	Cottage cheese			Frozen products						
				Ice cream		Ice milk		Milk sherbet		Water ices
	Lowfat	Curd	Creamed	Mix	Product	Mix	Product	Mix	Product	
	1,000 Pounds			1,000 Gallons						
1980	6,557	13,023	14,591	4,863	9,607	3,318	5,092	326	520	415
1981	7,051	13,322	14,259	5,008	9,808	3,560	5,448	344	514	534
1982	6,814	12,605	13,727	5,033	9,996	3,631	5,575	329	497	497
1983	6,663	12,500	13,902	5,192	10,120	3,668	5,566	330	497	522
1984	6,907	12,227	12,869	4,883	9,592	3,605	5,407	287	448	347
1985	6,620	11,069	12,184	4,943	9,763	3,937	5,831	280	425	418
1986	7,157	11,000	11,146	5,298	10,335	4,103	6,125	219	314	478
1987	7,735	11,215	10,502	5,430	9,948	3,812	5,672	231	321	486
1988	9,837	13,151	12,272	5,497	10,287	5,011	8,125	273	401	268
1989	11,743	13,085	11,232	5,611	10,643	4,220	6,603	318	430	316
1990	9,204	12,705	12,978	5,384	10,781	4,225	6,892	278	389	481

CHICKENS

Inventory by class, Colorado
December 1, 1976-90



Chickens: Inventory by class and total value, Colorado, December 1, 1975-90

Year	Hens and pullets of laying age			Pullets not of laying age		Other chickens	All chickens		
	Hens	Pullets	Total	3 mo. old or older	Under 3 mo.		Number	Value per head	Total value
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	Dollars	1,000 Dollars
1975	1,007	1,043	2,050	285	270	10	2,615	1.60	4,184
1976	970	1,160	2,130	415	165	15	2,725	1.80	4,905
1977	940	1,380	2,320	155	360	15	2,850	1.60	4,560
1978	1,100	1,280	2,380	240	340	10	2,970	1.60	4,752
1979	812	1,178	1,990	117	194	14	2,315	2.20	5,093
1980	860	1,105	1,965	351	270	24	2,610	1.80	4,698
1981	1,440	1,130	2,570	286	213	31	3,100	2.60	8,060
1982	1,370	1,355	2,725	330	365	30	3,450	1.75	6,038
1983	1,800	700	2,500	210	285	25	3,020	2.05	6,191
1984	1,020	1,600	2,620	240	300	15	3,175	1.85	5,874
1985	1,150	1,185	2,335	75	172	13	2,595	1.75	4,541
1986	1,470	1,130	2,600	124	200	11	2,935	1.35	3,962
1987	1,440	1,550	2,990	234	240	6	3,470	1.45	5,032
1988	1,570	1,605	3,175	310	498	3	3,986	1.60	6,378
1989	1,100	2,026	3,126	193	297	43	3,659	2.25	8,233
1990	2,002	1,385	3,387	297	618	70	4,372	1.80	7,870

Chickens: Number lost, number sold and value of sales, Colorado, 1983-90

Year	Number lost	Number sold	Pounds	Price per lb.	Value
	1,000 Head	1,000 Head	1,000 Pounds	Cents	1,000 Dollars
1983	245	1,580	4,808	13.0	625
1984	280	2,415	8,694	15.0	1,304
1985	280	1,925	6,738	11.0	741
1986	274	1,000	4,500	11.0	495
1987	235	1,690	7,943	12.0	953
1988	250	1,840	7,912	13.0	1,029
1989	325	2,040	11,424	16.0	1,828
1990	390	2,080	9,360	12.0	1,123

Layers and egg production, Colorado, 1983-90

Year	Average number of layers				Number of eggs produced			
	Dec. 1/ - Feb.	March - May	June - Aug.	Sept. - Nov.	Dec. 1/ - Feb.	March - May	June - Aug.	Sept. - Nov.
	Thousands				Millions			
1983	2,688	2,570	2,510	2,515	161	155	154	149
1984	2,601	2,720	2,770	2,711	151	160	164	162
1985	2,532	2,440	2,303	2,268	147	140	140	141
1986	2,393	2,399	2,410	2,530	138	143	147	147
1987	2,545	2,625	2,795	2,910	146	154	163	178
1988	2,999	3,018	3,045	3,103	195	200	198	191
1989	3,237	3,294	3,255	3,173	199	213	210	202
1990	3,110	3,135	3,110	3,215	196	198	194	200

1/ December of preceding year.

Eggs: Production and income, Colorado, 1983-90

Year	Average number of layers	Eggs per layer	Total produced	Price per dozen	Gross income
	Thousands	Number	Millions	Cents	1,000 Dollars
1983	2,570	241	619	70.0	36,108
1984	2,701	236	637	75.0	39,812
1985	2,385	238	568	60.0	28,400
1986	2,439	236	575	66.0	31,625
1987	2,719	236	641	58.0	30,982
1988	3,056	257	784	55.0	35,933
1989	3,239	254	824	76.0	52,187
1990	3,142	250	788	77.8	51,089

Bees and honey, Colorado, 1960-90 1/

Year	Number of Colonies	Yield per Colony	Production	Producer Stocks	Avg. Price Per Pound	Value of Production
	1,000	Pounds	1,000	Pounds	Dollars	1,000 Dollars
1960	65	47	3,055	916	.172	525
1961	60	76	4,560	1,687	.171	780
1962	62	78	4,836	1,934	.163	788
1963	58	80	4,640	1,392	.172	798
1964	54	80	4,320	1,814	.172	743
1965	54	68	3,672	1,579	.164	602
1966	53	82	4,346	1,825	.165	717
1967	51	42	2,142	600	.166	356
1968	46	41	1,886	773	.181	341
1969	45	70	3,150	1,292	.188	592
1970	42	68	2,856	942	.170	486
1971	40	55	2,200	330	.224	493
1972	37	71	2,627	578	.315	828
1973	35	54	1,890	529	.445	841
1974	36	81	2,916	904	.552	1,610
1975	39	67	2,613	1,045	.566	1,479
1976	41	61	2,501	450	.485	1,213
1977	41	67	2,747	769	.523	1,437
1978	41	67	2,747	604	.558	1,533
1979	39	67	2,613	523	.606	1,583
1980	45	52	2,340	468	.640	1,498
1981	41	62	2,542	458	.670	1,703
1982	1/	1/	1/	1/	1/	1/
1983	1/	1/	1/	1/	1/	1/
1984	1/	1/	1/	1/	1/	1/
1985	1/	1/	1/	1/	1/	1/
1986	41	78	3,198	480	.540	1,727
1987	44	73	3,212	96	.680	2,184
1988	48	83	3,984	837	.550	2,191
1989	50	66	3,300	495	.540	1,782
1990	55	64	3,520	845	.580	2,042

1/ Estimates discontinued 1982; resumed in 1986.

Trout: Operations, sales and value, Colorado, 1989-90

Item	Unit	1989	1990
Number of Operations	Number	33	28
Total Sales	1,000 Dollars	1,943	2,167
Foodsize: 1/			
Number Sold	Thousands	275	368
Pounds Sold	Thousands	289	421
Value Per Pound	Dollars	2.30	2.39
Total Value of Sales	1,000 Dollars	666	1,005
Stockers: 2/			
Number Sold	Thousands	1,056	1,205
Pounds Sold	Thousands	498	480
Value Per Pound	Dollars	2.36	2.09
Total Value of Sales	1,000 Dollars	1,176	1,004
Fingerlings: 3/			
Number Sold	Thousands	536	1,009
Pounds Sold	Thousands	19	33
Value Per Pound	Dollars	5.32	4.79
Total Value of Sales	1,000 Dollars	101	158

1/ Defined as fish being 12 inches or longer.
2/ Defined as fish being from 6-12 inches in length.
3/ Defined as fish being from 2-6 inches in length.

Pasture and range feed condition by month, Colorado, 1967-1990

Year	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
	Percent 1/								
1967	70	68	75	91	93	87	88	84	80
1968	80	76	75	73	70	81	71	75	77
1969	74	78	85	91	88	81	84	86	81
1970	85	84	83	86	86	81	81	83	80
1971	79	83	84	77	76	70	72	75	79
1972	72	69	70	74	67	68	69	73	72
1973	80	82	91	86	87	82	84	85	83
1974	84	83	64	63	58	57	54	57	59
1975	61	65	63	78	77	74	69	65	66
1976	64	66	71	66	69	65	66	68	68
1977	54	67	69	62	61	72	65	65	64
1978	68	60	79	79	69	61	58	57	60
1979	76	76	86	90	86	88	83	82	81
1980	86	88	91	85	74	73	72	72	73
1981	68	73	76	71	76	83	81	80	78
1982	72	62	73	85	82	89	89	86	2/
1983	86	85	90	96	93	87	82	82	2/
1984	78	81	83	86	79	84	77	82	2/
1985	81	83	92	80	78	83	84	85	2/
1986	2/	77	68	77	74	72	76	78	2/
1987	2/	86	97	94	83	77	81	81	2/
1988	2/	86	80	78	72	68	71	72	2/
1989	2/	50	48	68	55	71	71	71	2/
1990	2/	75	74	66	72	77	75	76	2/

1/ 80+, good to excellent; 65-79, poor to fair; 50-64, very poor; 35-49, severe drought; under 35, extreme drought.
2/ Discontinued.

Livestock: Number on farms and inventory value, Colorado, January 1, 1976-91

Year	All Cattle and Calves			Hogs and Pigs 1/			All Sheep and Lambs		
	Number	Farm value		Number	Farm value		Number	Farm value	
		Per head	Total		Per head	Total		Per head	Total
	1,000 Head	Dollars	1,000 Dollars	1,000 Head	Dollars	1,000 Dollars	1,000 Head	Dollars	1,000 Dollars
1976	3,250	200.00	650,000	290	68.50	19,865	920	46.00	42,320
1977	3,030	210.00	636,300	280	44.50	12,460	830	52.00	43,160
1978	3,180	235.00	747,300	320	56.00	17,920	810	59.00	47,790
1979	3,090	415.00	1,282,350	330	72.50	23,925	795	79.00	62,805
1980	2,975	510.00	1,517,250	430	55.00	23,650	870	85.50	74,385
1981	3,125	485.00	1,515,625	310	72.00	22,320	810	78.50	63,585
1982	3,025	405.00	1,225,125	330	69.00	22,770	710	63.00	44,730
1983	3,040	410.00	1,246,400	290	88.00	25,520	750	53.50	40,125
1984	3,120	420.00	1,310,400	260	71.50	18,590	690	49.50	34,155
1985	3,000	445.00	1,335,000	210	83.00	17,430	675	59.50	40,163
1986	2,850	435.00	1,239,750	225	79.00	17,775	600	69.50	41,700
1987	2,600	430.00	1,118,000	190	92.00	17,480	690	77.50	53,475
1988	2,800	565.00	1,582,000	205	85.00	17,425	755	99.50	75,123
1989	2,850	600.00	1,710,000	220	74.50	16,390	825	90.00	74,250
1990	2,900	615.00	1,783,500	230	86.50	19,895	840	84.00	70,560
1991	2,800	705.00	1,974,000	300	93.00	27,900	710	80.00	56,800

1/ December 1 preceding year.

ANNUAL REPORT

COLORADO DEPARTMENT OF AGRICULTURE

FISCAL YEAR 1990-1991

The Honorable Roy Romer, Governor

Dr. Steven W. Horn, Commissioner

ANNUAL REPORT

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Introduction

The Colorado Department of Agriculture was created as a department of state government in 1949, with historical roots dating back to before the turn of the century. Currently, the department employs about 250 individuals around the state performing a multitude of services to the crop and livestock industry as well as providing numerous services for Colorado consumers.

Organization

The Colorado Agricultural Commission, a body of nine persons appointed by the Governor, serves to advise, counsel and direct the Commissioner of Agriculture, also appointed by the Governor. The commission is comprised of individuals of both political parties and represents a cross section of the state's agricultural community.

The department is organized into five divisions, Animal Industry, Plant Industry, Stock Inspection, Markets, and Inspection and Consumer Services. These five divisions provide regulatory, inspection, and marketing assistance to Colorado's agricultural industry and provide valuable consumer protection services to the state's citizens.

Office of the Commissioner

Dr. Steven W. Horn, Commissioner of Agriculture

Robert G. McLavey, Deputy Commissioner

Ongoing activities in the Commissioner's Office include the activities of the Resource Analysis Section, Public Information, Personnel, Administrative Services, and the Agricultural Commission.

1990 saw the relocation of the headquarters of the Colorado Department of Agriculture to Lakewood, Colorado. The building which had housed the department for over 30 years was in need of renovation, and, in response, the Office of the Commissioner, Division of Markets, Division of Plant Industry, and Division of Animal Industry, are now located at 700 Kipling Street, Lakewood, Colorado 80215. The Division of Stock Inspection and the Division of Inspection and Consumer Services remain in their previous locations. The expanded facilities will enable the department to better meet the needs of the state's agricultural industry and the consumer protection responsibilities assigned to the department.

The Administrative Services Section prioritized its resources to complete Phase I of the department's conversion to the new Colorado Financial Reporting System. Implementation of the system began July 1, 1990 and has required extensive training and committment by the staff to see the project through. When the two-year conversion process is completed, the department will have an enhanced purchasing system and a new cost accounting and allocation system.

Colorado Agricultural Commission

The Colorado Agricultural Commission conducted five meetings in fiscal year 1990-91. In January, 1991, the commission elected Mr. William Warren as Chairman and Mr. Dennis Hoshiko, Vice Chairman. Outgoing Chairman Naioma Benson chaired two meetings in fiscal year 1990, and Chairman Warren held three meetings in 1991.

Two new members were appointed to the commission to fill vacancies created by expired appointments. Mr. Stephen Woodman and Mr. LeRoy Salazar did not seek reappointment. Governor Romer named Mr. David Ford of Center and Mr. Dale DeJacamo of Brighton to fill the vacancies.

Responding to the need for the department to prepare to meet the challenges of a dynamic industry, the Commission conducted a two-day goal setting session held in March of 1991. The session helped clarify the mission of the department and to set the stage for internal direction to enable the department to respond and direct its efforts in that regard. In the spring of 1991, the department will work internally to develop systems to meet and fulfill the mission outlined by the commission.

Responding to a new responsibility assigned to the department, the Colorado Agricultural Commission appointed an advisory body to assist the department in implementing groundwater quality protection measures. The Colorado General Assembly assigned principal duties to the department for the protection of groundwater quality from contamination from agricultural chemicals. A 17-member panel, comprised of industry, public, and agribusiness representatives, will advise the commission and the Commissioner of Agriculture on methods to meet the groundwater goals of Senate Bill 90-126.

Resource Analysis

The Resource Analysis Section collects, analyzes, and presents information that bears on policies, programs, and activities affecting Colorado agriculture.

During 1990-91, the section provided the Commissioner's Office with an analysis of the proposed central filing system of agricultural leins; prepared an overview report of all boards, commissions, and committees connected with the department; prepared an update of trends in agricultural land conversion; and successfully completed an extensive analysis of the department's computer hardware and software needs.

Based upon a detailed survey of rodent pests conducted by the Colorado Agricultural Statistics Service, the section is assisting the Animal Industry Division in analyzing the department's rodent pest control program and developing some new approaches for managing rodent pests.

The Resource Analysis Section analyzed the cost-effectiveness of the Mandatory Fruit and Vegetable Inspection Program for the Division of Inspection and Consumer Services. Also, the staff is analyzing the feasibility of using "compliance rate" as a common measure of performance across regulatory programs in the divison.

Division of Markets

Jim Rubingh, Division Director

The Markets Division is responsible for developing new marketing opportunities for Colorado producers and processors as well as retaining existing markets for the full array of Colorado products. The division also develops promotional programs and materials, assists in expanding the state's food and agriculture processing industry, administers the Seal of Quality Program, and collects livestock and produce market news from around the state. The division provides staff assistance to the Colorado Agricultural Development Authority.

International Marketing

The goal in the international marketing program is to increase the export sales of Colorado grown and processed agricultural products. The section disseminates trade leads compiled by embassies around the globe via computer links. The program also utilizes a U.S. Department of Agriculture grant to coordinate trade developments activities with offices or trade consultants in Japan, France, and Germany. The office also provides access to other USDA trade development programs in over 15 world markets through participation in the Western U.S. Agricultural Trade Association. In 1991, the division developed an extensive library on marketing data by country.

The Markets Division also provides individual trade development assistance with individual counseling, assistance in obtaining branded trade promotion grants for overseas marketing, and assistance with Colorado's Agricultural International Trade Promotion Program which provides financial assistance for travel to international markets.

Activities in 1990-91 included participation in international food shows in Germany, Japan, and the U.S. The department and the Colorado Cattle Feeders Association co-sponsored a seminar in Tokyo to inform Japanese meat buyers about the feeding industry in Colorado. The division also assisted in hosting the International Hospitality Room at the National Western Stock Show.

Numerous buying missions have also traveled to Colorado to meet with their respective industry groups. Two directories were published covering the state's processed food industry and the livestock breed industry.

Direct and Domestic Marketing

Programs in direct and domestic marketing are conducted to increase the sales of Colorado agricultural products both in state and throughout the U.S. This is done through a number of programs such as coordinating an annual food show and assisting companies wishing to participate in other domestic food shows. Other activities include the development and distribution of marketing directories, such as the Hay Directory, Farm Fresh Directory, and the Colorado Agricultural Trade Directory.

Direct and domestic marketing activities in 1990-91 include the Colorado ABC Food Showcase, which exhibited over 100 products to over 1000 prospective wholesale, restaurant, and institutional food buyers.

The division sponsored promotional activities including weekly television promotional features on various Colorado food products and the annual Governor's Award, a program designed to encourage Colorado restaurants to serve produce from the state. In conjunction with the Colorado State Fair, the division also co-sponsored the Kids' Choice competition, the Seal of Excellence competition, and recognition of the state's 100-year old farms called the Centennial Farm program.

The department has established a food safety task force to provide information to the industry and the general public on food safety issues. Programs include an industry newsletter, a resource list for the media, and monitoring legislation for potential impacts on the agricultural industry. A separate task force named by Governor Romer will develop a state response plan for any future food safety crises. This task force will be staffed by the department with assistance from Colorado State University and the Colorado Department of Health.

The division also co-chaired the 19th Annual Rocky Mountain Food Safety Conference.

Food Processing

To assist in increasing food processing in the state, the Markets Division administers the Agricultural Processing Feasibility Grants Program to assist local governments and entrepreneurs in evaluating the potential for developing or expanding agricultural processing facilities. The program is funded by the Colorado Economic Development Commission.

Assistance is also given to farmers wishing to diversify their operations through processing, to existing Colorado food companies interested in expansion, and to out-of-state companies food considering locat-

ing in Colorado.

Special projects have included: coordination with the San Luis Valley Potato Processing Committee in recruitment of a potato processor to the Valley and development of the San Luis Valley Potato Processing Resource Guide; development of the Colorado Co-Pack Directory, a listing of companies which provide contract packing services; and publication of From Growing to Processing - A Start-Up Guide for Food Processors.

Market News

Personnel of the Colorado Department of Agriculture's Markets Division attend livestock sales at the major sale yards around the state to report the movement and price of livestock exchanged in open trading. This information is made available to livestock producers. The staff also monitors and reports fresh produce and nursery marketings.

Brand Inspection Division

J. G. Shoun, Brand Commissioner

The Brand Inspection Division has a long history in Colorado beginning around 1860 in what was then the Colorado Territory. Today, the division administers more than 35,000 livestock brands to identify ownership of cattle, sheep, mules, burros, and horses. Brand inspection is crucial to verify ownership in cases of strayed or stolen livestock, and animal health programs are strengthened by the ability to trace animals to their herd of origin.

The division is administered by the State Board of Stock Inspection comprised of five members, appointed by the Governor, representing all segments of the industry. The current members of the board are Mr. Jim Anderson of Longmont, Mr. Robert Jutten of Montrose, Mr. Lee Spann of Gunnison, and Mr. Robert E. Bledsoe of Wray. One position on the board is currently vacant.

The division employs 60 brand inspectors located throughout the state, eight brand foremen, and nine administrative personnel, including Brand Commissioner J.G. Shoun. The annual budget for the division exceeds $2 million and is completely funded by inspection fees levied to livestock owners and brand registration fees levied every five years.

The division is assigned four principal regulatory responsibilities:

- Record and administer livestock brands;
- Inspect livestock and verify ownership before sale, transportation beyond 75 miles, or slaughter;
- Inspect and license livestock sale rings and inspect all consignments before sale to verify ownership; and
- Prevent and return strayed or stolen livestock and investigate reports of lost or stolen livestock.

In addition, brand inspectors collect beef promotion and research funds. The division is also the trustee for all surety bonds issued to licensed markets and packing houses doing business in Colorado.

In 1990-91, the division inspected approximately 4.8 million head of livestock. In addition, they identified ownership of lost, stolen, or strayed and questionably owned livestock valued at $15.5 million.

During the 1991 legislative session, the Colorado General Assembly acted to retain the Board of Stock Inspection's authorities to license livestock sale barns

and inspect packing houses. The review of the board's authorities was in response to the legislature's Sunset Review process.

Division of Plant Industry

Robert I. Sullivan, Director

The Colorado Department of Agriculture's Division of Plant Industry performs a wide array of services to the public and engages in several important environmental and public health protection programs.

Beginning as the Bureau of Plant and Insect Control in 1937, the agency was under the direction of the State Entomologist. The division is organized into the Biological Pest Control, Pesticides, and the Plant and Insect sections. The division's staff of 32 includes 14 field inspectors (11 of whom are cross-trained in multiple inspection), five biological pest control specialists, and three chemigation inspectors.

Biological Pest Control

In 1947, the Bureau of Plant and Insect Control developed the state's initial biological pest control program in Palisade, Colorado, at the Colorado Department of Agriculture Insectary. Biological pest control affords the opportunity to decrease agriculture's reliance on chemical pest control technology thereby decreasing production costs, reducing a portion of the chemicals entering the environment, and when colonies of beneficial insects are established, it offers a permanent pest control solution.

In 1990, the General Assembly granted funds to the department to construct a new insectary facility in Palisade. Groundbreaking ceremonies were held in October 1990 for the $1.2 million project, and the facility is expected to be completed around January 1992. The new Insectary will allow the Biological Pest Control program to expand roughly four-fold without an increase in staff.

In 1990-91, the staff of the Biological Pest Control Section conducted 378 releases of 20 species of beneficial insects, an increase of approximately 29% over FY 1989-90. The releases were designed to assist in the control of six weed species and eight insect pests throughout the state.

Plant and Insect Section

This section provides the following services:

- inspection of plants and plant products intended for export to provide certification required by receiving states and countries;
- Licensing of sellers of nursery stock, providing inspection of that stock to aid in control

of insects and diseases, and aiding consumers in purchasing high quality stock;
- Performs request inspections of apiaries for bee diseases;
- Conducts pest surveys and works with private and public agencies to control certain pests;
- Administration and enforcement of the Colorado Chemigation Act to avoid pollution of groundwater sources;
- Inspects commercial seed dealers to assure truth in labeling of seed as to content and germination claims; and
- Administers the organic production certification program to assure buyers of organically-grown produce that their produce conforms with state standards required before making such claims.

In 1990-91, the section issued approximately 1,400 phytosanitary inspection certificates on plant products for international export valued between $25 and $30 million. Inspectors conducted 950 inspections of nurseries and greenhouses and issued 1,375 licenses to sellers of nursery stock. Approximately 7,000 stop sales orders were issued on nursery stock in 1990-91.

The Plant and Insect Section's implementation of the chemigation program, which began in 1989, this year resulted in the issuance of 2,800 permits. Approximately 950 inspections of seed dealers were conducted, and 625 stop sales orders were issued for violations of labeling.

Pesticides Program

The Pesticides Section registers pesticides and licenses and certifies commercial pesticide applicators. Its services include assuring proper labeling, packaging, display, formulation, and effectiveness of pesticide products; examining pesticides for special, local needs and emergency exemptions; and assuring competency of commercial pesticide applicators.

In 1990-91, approximately 8,700 pesticide products were registered in Colorado, an increase of 8% over last year. In addition, 475 applicators were tested for competency; 675 commercial pesticide application firms were licensed; 1,950 commercial applicators were certified; 60 complaints of misuse of pesticides were investigated; and 25 administrative actions or letters of warning were issued.

Inspection and Consumer Services Division

Ronald Turner, Director

The Division of Inspection and Consumer Services consists of six sections and the Marketing Orders Program. The division employs over 100 individuals in a variety of inspection programs designed to assure fairness in the marketplace and quality, safety, and financial soundness in other commercial transactions.

Marketing Orders Program

Marketing orders are producer-funded programs which collect funds from the point of first sale of certain farm commodities. The funds are used to promote the greater utilization and increased profitability from the sale of those commodities through specialized research on production techniques and problems of that commodity, market development activities, promotional programs, and, in some cases, for inspection services in order to assure that only high-quality commodities reach the marketplace.

Colorado has marketing orders for eight commodities produced in the state covering apples, corn for grain, potatoes, dry edible beans, sweet corn, broccoli, milk, and wheat.

The department's responsibilities involve establishing, enforcing, and overseeing the administration of the marketing orders. In addition, the program serves to enforce the marketing order rules and regulations by conducting investigations, holding hearings, and reviewing audits of the orders.

The agency reviewed budgets for the nine marketing orders and approved expenditures totaling over $2.5 million. In addition, the agency assisted onion growers and greenhouse operators interested in forming a marketing order for their respective commodities.

Technical Services

The Technical Services Section consists of five programs: Feeds, Fertilizers, Eggs, Meats, and Facility Operations.

The feeds program registers and selectively samples commercial animal feeds throughout the

state. In 1990-91, staff conducted approximately 5,600 inspections on 36,250 tons of feed, analyzed 4,600 samples, and registered an estimated 8,000 products. In addition, the inspectors issued 353 stop-sales orders on deficient products.

The 1990-91 stop-sales orders were approximately half the previous year's indicating greater compliance with state standards.

The fertilizer program registers and selectively samples fertilizers, soil conditioners, and related products to determine nutrient content and to assure labeling accuracy in accordance with state laws. Nearly 350 companies are regulated encompassing 2,560 products. In 1990-91, approximately 5,600 inspections were made of fertilizer and soil conditioning products, and 1,664 samples were analyzed representing 36,600 tons of product. Inspectors issued 256 stop-sales orders on deficient products and equipment. Here again, the incidents of the need to issue stop-sales orders declined by 200 over the previous year.

The fertilizer program also inspects anhydrous ammonia tanks and assists in safety training in the use of this potentially dangerous product. Inspectors examined 5,687 tanks of ammonia in 1989-90 and rejected 752 of them as unsafe.

The egg program inspects eggs for wholesomeness at wholesale and retail levels. Under the egg inspection program, over 1,375,000 dozens were inspected in 1990-91 resulting in the rejection of 79,505 dozens. The 3.6% rejection rate, an increase of 60% over last year, indicates the need to maintain the focus in this area of consumer protection.

The Meat Inspection Program licenses and inspects meat processors. In addition, the agency protects the public from unsanitary or fraudulent practices in custom meat processing and bulk meat sales.

In 1990-91, this program issued licenses to 172 facilities in the state. Twenty-nine cease and desist orders were issued to meat processors in the fiscal year. No licenses were denied due to unsanitary conditions at the 235 facilities inspected.

Facility Operations

The Facility Operations program operates the two state-owned buildings occupied by the Division of Inspection and Consumer Services. Funding was secured in FY 89-90 to implement a building expansion project to add a two-story addition to the biochemical laboratory. Construction is currently underway, and completion is expected in late 1991.

Farm Products

The Farm Products Section is responsible for the enforcement of statutes licensing those who buy, transport, or store agricultural products produced in Colorado. The agency assures that dealers and state-licensed warehouses are bonded and adequately capitalized. The section licensed nearly 6,000 firms.

The section investigates complaints by producers and issues cease and desist orders in the event that a firm appears to be financially unable to meet its commitments. In addition, the section conducts investigations regarding complaints of timely payment for farm products purchased. In 1990-91, 325 such orders were issued, and 300 investigations were conducted.

Laboratory Services

The Laboratory Services section analyzes animal feeds and fertilizer product samples obtained by multiple inspectors in the division, and the lab also analyzes pesticide samples for the Plant Industry Division.

The laboratory checks animal feeds and pet foods registered in the state to assure that feed products conform to the manufacturer's labels for both nutrients and that they are free of contamination. The lab, under contract with the U.S. Environmental Protection Agency, conducts the analysis of pesticides to assure that they meet manufacturers' claims, pesticide formulations for label consistency, and analyzes pesticide residue samples to aid in the investigation of possible misuse or misapplication.

In 1990-91, the section conducted 31,000 different analyses on 7,800 samples.

Measurement Standards

This program licenses all weighing and measuring devices in commercial use in Colorado and certifies persons operating public scales. The State Standards Laboratory maintains custody of Colorado's official weight and measure standards, and the laboratory provides testing, certification, and calibration of mass, frequency, length, and volume for public and private agencies that require standards traceable to the National Institute of Standards and Technology.

This section tests packages for truth in labeling as required by the Measurement Standards Act, and it tests and inspects for correctness, measuring devices used commercially.

More than 23,000 small weighing devices were tested in 1990-91, and of those, 1,076 were inaccurate. Inspectors examined 51,865 packages and found 9,165 packages to be short measure.

The section's large test units examined over 4,000 scales, rejecting 38.7%, or 1,551. Some of the section's test fleet was parked during October to March to save fuel costs. As a result, many scales were not tested.

The Metrology Laboratory conducted 9,972 mass standard tests, 1,687 other tests, and 887 tuning forks for proper frequency. The tuning forks are used by local law enforcement agencies to calibrate radar speed detectors. The Metrology Laboratory has developed a standard test procedure for use in testing tuning forks for publication at the national level through the National Institute and Standards and Technology.

Fruit and Vegetable Inspection

The Fruit and Vegetable Inspection program is a cooperative effort by the U.S. Department of Agriculture and the Colorado Department of Agriculture to assure consumers of high quality Colorado produce. The program operates under federal standards, rules, and regulations to provide official inspection, grading, and certification of produce. The certification concerns quality, condition, size, and other pertinent factors of fresh fruits and vegetables grown in the state.

Inspections are performed on either a mandatory or non-mandatory basis. Mandatory produce inspection is required by statute to promote quality standards which depict Colorado's peaches and potatoes as desirable products in the marketplace. Non-mandatory inspections are conducted for other commodities for shippers which wish to market an inspected product. Inspection certificates are issued by the state to certify grade and condition of the product at the time of inspection.

In 1990-91, the section inspected an estimated 16,113,000 hundredweight (cwt.) of potatoes, 99,452 cwt. (or 198,906 bushels) of peaches, resulting in the issuance of 36,000 certificates of mandatory inspection for the commodities. Other fruits and vegetables inspected totaled 1,145,443 cwt. resulting in 3,200 certificates issued for non-mandatory commodities.

Field Services

The field services section has the responsibility of directing all personnel involved in the inspections, testing and/or sampling for the following programs: Feed, Fertilizer, Eggs, Measurement Standards (small devices), Farm Products, and Meat Inspection. Each inspector in the section has been trained to perform inspections in all six program areas.

Fifteen inspectors strategically located throughout the state perform the various inspections required for each program. Inspectors are empowered to enforce the laws and regulations relating to each program.

Division of Animal Industry

Dr. James Williams, DVM, Director

The Division of Animal Industry is responsible for animal health and control activities in the state. The division has a staff of 18 including nine field personnel.

The division works in close cooperation with the livestock industry and veterinary medical organizations, as well as other state and federal agencies, to protect the health, welfare, and marketability of Colorado livestock.

Veterinary Section

This section is responsible for monitoring and minimizing brucellosis and other contagious diseases which could threaten Colorado livestock. The staff concentrate on diseases that are a threat to public health, would significantly impact the $2.3 billion livestock economy in Colorado, and which cannot be easily controlled by individual livestock owners. Control of diseases is achieved through required inspections, vaccination, supervised treatments, and other appropriate activities. The section also licenses and inspects establishments engaged in processing, handling, or transporting inedible meat products for pet foods and rendering establishments to assure compliance with sanitary standards necessary for disease control and to assure that such products are clearly labeled.

The Bureau of Animal Protection investigates complaints concerning animal cruelty or neglect. Division staff assist local animal control officials and law enforcement officials and law enforcement organizations in training and investigations of complaints. In 1990-91, 387 complaints of animal neglect or abuse were investigated by department personnel.

State-Federal Brucellosis Laboratory

The State-Federal Brucellosis Laboratory provides support for livestock disease identification, control, and prevention. The lab issues quarantines based on serological tests, provides support for prosecution of quarantine violations, and confirms livestock disease trends. Lab staff also trains public livestock market veterinarians in test procedures and confirms testing of livestock at such markets.

Training in field test procedures were conducted in 1990-91 for 43 persons and over 215,000 serological and other laboratory tests for livestock diseases were performed.

Rodent/Predator Control Section

In Colorado, 3 million acres of private lands are damaged to some degree by prairie dogs, gophers, and other rodents. The Animal Industry Division's Rodent/Predator Control Section provides training, services, and supplies to private citizens and local, state, and federal officials to control vertebrate pests. The section assists producers in controlling livestock predation losses through cooperative agreements with local producer associations, counties, and the United States Department of Agriculture.

In 1990-91, the Rodent/Predator Control Section assisted approximately 2,100 private individuals in 43 counties to control rodent infestations or predator losses.

HOW TO CONTACT THE COLORADO DEPARTMENT OF AGRICULTURE

(All Telephone Numbers are Area Code 303)

Office of the Commissioner
700 Kipling Street, Suite 4000, Lakewood, CO 80215
Commissioner of Agriculture, Dr. Steven W. Horn.....239-4100
Resource Analysis.....239-4111
Administrative Services.....239-4126

Division of Animal Industry
700 Kipling Street, Suite 1000, Lakewood, CO 80215
State Veterinarian, Dr. Jim Williams.....239-4161
Animal Protection Bureau.....239-4158
Brucellosis Laboratory..... 866-2856
Rodent/Predator Control 239-4157

Division of Stock Inspection
210 Livestock Exchange Building, Denver, 80215
Brand Commissioner, J. G. Shoun.....294-0895

Division of Markets
700 Kipling Street, Suite 4000, Lakewood, CO 80215
Director, Jim Rubingh 239-4114
Livestock Market News (Greeley) 353-9750
Fruit & Vegetable Market News.....294-7623

Division of Inspection and Consumer Services
2331 West 31st. Avenue, Denver, CO 80211
Director, Ronald Turner. 866-2825
Technical Services. 866-5366
Farm Products 866-2853
Field Programs.....866-2825
Fruit & Vegetable.....866-4061
Standards Laboratory.....866-2833
Measurement Standards 866-2845
Marketing Orders.....866-5366

Division of Plant Industry
700 Kipling Street, Suite 4000, Lakewood, CO 80215
Director, Robert Sullivan.....239-4140
Plant and Insect 239-4142
Pesticide Section 239-4145
Biological Pest Control (Insectary)
P.O. Box 400, Palisade, Colorado, 81526.....464-7916

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WHY CROP AND LIVESTOCK REPORTS

man's judgment is no better than his facts, and crop and livestock reports are the basic facts of griculture.

hey aid farmers in planning their production and marketing.

hey are essential in enacting wise legislation affecting Agriculture.

hey are a check on fluctuation in price. Uncertainty of supply promotes undue fluctuation in price.

hey are the basis for analysis of agriculture and other business conditions.

hey give producers the same foresight to future price trends that organized dealers possess.

hey are a guide to farm resources and for developing new resources such as irrigation, electric power, ocation of food processing and other factories.

hey are the best basis for adjusting supply to demand which is highly essential if maximum price is to revail.

hey aid farm organizations, schools, local communities, Economic Development Councils, and others n planning constructive programs.

hey eliminate the ill effects of misleading reports that might be circulated for private gain, if there were o official reports.

hey give information on surplus and deficit areas of production making possible a more economical istribution of products.

hey indicate potential buying power, enabling the manufacturer to meet the probable demand. With conomical production and distribution, the manufacturer can sell at a lower price than he could with ncertain demand.

hey reduce the risk for ownership of buyers of farm products which enables them to do business on a naller margin. Under the stimulus of competition, they pay producers higher prices than could be paid uncertainty of production existed.

hey reduce the amount of speculation in farm products. Speculation thrives on uncertainty. Unbiased fficial crop reports reduce uncertainty which limits speculation.

hey are indispensable in times of war because food is as essential as ammunition and weapons of war.

hey provide an accurate, unbiased picture of Colorado's agriculture. The facts on present and rospective supplies furnish a sound basis for judgment and action by farmers, ranchers, other ndividuals, agribusiness, railroads, crop and livestock interests and governmental agencies.

The Colorado Agricultural Statistics Service is a state-federal agency which gathers and publishes information on agricultural production, livestock inventories, prices, farm income and other economic indicators. These reports are based on surveys of farmers, ranchers and other agribusinesses. Please contact our office for information on subscribing to these reports.