AGI-3/1999 COLORADO AGRICULTURAL STATISTICS 1999





Includes

ANNUAL REPORT COLORADO DEPARTMENT OF AGRICULTURE FISCAL Y

FISCAL YEAR 1998-99

COLORADO AGRICULTURAL STATISTICS DISTRICTS



ASD by Number: Northwest and Mountains = 10; Northeast = 20; East Central = 60; Southwest = 70; San Luis Valley = 80; Southeast = 90

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 * Approximate Cropland Area: 10.5 Million Acres * Approximate Irrigated Area: 3.4 Million Acres * Number of Farms and Ranches (1998): 29,500 Land in Farms and Ranches (1998): 32.2 Million Acres Average Size of Farm and Ranch (1998): 1,092 Acres

Farm	s by Type *	Farms By Tenure *				Farms By Class *		
82% 10% 7% 1%	Individual Partnership Corporate Other	58% 30% 12%	Full O Part O Tenan	wners wners ts		57% 43% * 199 ⁻	Livestock & Poultry Crops 7 Federal Census of Agriculture	
	Farm Marketing Rec	cipts (1997):	\$	4,214.9	Million			

Farm Marketing Receipts (1997): Livestock & Livestock Products: Field, Fruit, & Vegetable Crops: \$ 4,214.9 Million \$ 2,874.7 Million (68.2% of the total)

\$ 1,340.2 Million (31.8% of the total)

COLORADO AGRICULTURAL STATISTICS

1998 Preliminary - 1997 Revised

and

Annual Report 1998-99 Colorado Department of Agriculture

Issued Cooperatively By



National Agricultural Statistics Service DONALD M. BAY, Administrator



COLORADO DEPARTMENT OF AGRICULTURE

DON AMENT, Commissioner

Prepared and Published by

COLORADO AGRICULTURAL STATISTICS SERVICE

645 Parfet Street, Room W201 Lakewood, Colorado 80215 (303) 236-2300 / 1-800-392-3202

Charles A. Hudson, State Statistician

Lance A. Fretwell, Deputy State Statistician

ACKNOWLEDGEMENTS

Special appreciation for funding the color cover on this publication and contributing to the "Colorado Wheat Story" on pages 4 and 5 is extended to:

COLORADO WHEAT ADMINISTRATIVE COMMITTEE

7700 E Arapahoe Rd Suite 220 Englewood, Colorado 80112 Phone: (303) 721-3300 FAX: (303) 721-7555

> Larry Palser, President Darrell Hanavan, Executive Director

July 1999

Price \$10.00

STATE OF COLORADO

DEPARTMENT OF AGRICULTURE

700 Kipling Street, Suite 4000 Lakewood, Colorado 80215-5894 (303) 239-4100 (303) 239-4125 FAX





Bill Owens Governor

Don Ament Commissioner

Robert G. McLavey Deputy Commissioner

July, 1999

Dear Friends,

Thank you for helping make the Colorado Agricultural Statistics book possible. I want the citizens of this state to know who we are and how vital our industry is to this state's economic and cultural fabric. This book shows how much you give to this state, the nation and the world.

While Colorado's economy has been booming, the agricultural industry has been struggling economically and is under extreme pressure by well-intentioned environmental advocates. This state's high quality environment is as important, if not more important, to farmers and ranchers as it is to those who live in the city. All of us want to preserve our natural resources, especially those who depend on them for their livelihood. I am working for reasonable environmental protection measures that do not impose an undue hardship on the very industry that provides the wildlife habitat and resource stewardship that are so critical to our future quality of life.

With the number of people in farming and ranching decreasing, our voice is harder to hear. I am asking each and every one of you to take the time out of your busy days to speak on behalf of agriculture to your state representatives and senators and every one else who will listen. Only together will they hear our voice and give us an opportunity to help shape the future.

The Colorado Department of Agriculture's Annual Report, outlining the department's responsibilities, activities and services is in the back of this book. Some of the agriculture department's hot issues this fiscal year have been: regulation of swine production, state land stewardship trust, world trade, public lands grazing, the Food Quality Protection Act, animal diseases, animal cruelty, noxious weed management, risk-based inspection, pricing and scanning accuracy, information technology and Colorado Peak Performance. Please take a minute to read about our challenges and progress. You are always welcome to call us at 1-800-886-7683 and give us your comments.

Thank you for supporting Colorado's agricultural industry.

Sincerely,

Don Ament Colorado Commissioner of Agriculture

COLORADO AGRICULTURAL STATISTICS SERVICE



OFFICE OF THE STATE STATISTICIAN 645 PARFET ST., ROOM W201 LAKEWOOD, COLORADO 80215-5517 (303) 236-2300 / 1-800-392-3202 FAX (303) 236-2299 / 1-800-643-6885 nass-co@nass.usda.gov

July 1999

On behalf of the Colorado Agricultural Statistics Service I am proud to present "Colorado Agricultural Statistics 1999". This publication which tells the story of the importance of the agricultural industry in Colorado is produced through a formal cooperative agreement between the Colorado Department of Agriculture and USDA's National Agricultural Statistics Service. This cooperation between these two State and Federal agencies has provided agricultural decision makers in Colorado with timely, accurate, and unbiased agricultural statistics continuously for the past 80 years.

"Colorado Agricultural Statistics 1999" is especially meaningful to me in that it not only represents 80 years of cooperation between USDA and the Colorado Department of Agriculture, but it also caps my 36 year career as an agricultural statistician. For the past 13 years, I have been privileged to serve Colorado's farmers and ranchers, agri-businesses, and agricultural decision makers as your State Statistician. On October 1, 1999, I will officially retire from USDA, but plan to continue to be involved in the agricultural industry in some way.

I have been privileged over the past 13 years to meet many of the thousands of Colorado farmers and ranchers who have helped make this publication possible by providing information on the agricultural surveys conducted by the Colorado Agricultural Statistics Service. A special thanks to each of you who help us provide this important information to agricultural producers, agribusinesses, policy makers, and the public so that sound business and policy decisions can be made based on the real facts rather than speculation and rumors. A special thanks also is extended to the many important agricultural organizations in the State who continually strive to improve the information flow to producers and policy makers. Those of us who have chosen agriculture as our life's vocation will continue to be challenged to tell the "*real story about Agriculture*". We need more than ever to be equipped with timely, unbiased and accurate information.

Special thanks this year is extended to the Colorado Wheat Administrative Committee who have helped sponsor this year's publication. It has been an honor and genuine pleasure to work with all of you during my career.

Sincerely,

10 A. Hugon

Charles A. Hudson State Statistician

TABLE OF CONTENTS

Colorado's rank in agriculture	3 4 6
Farms and fand in farms, Operations by species	0
FIELD CROPS:	
Principal crops; Historic acreage, production, and value	7
1998 Crop review	17
1998 Colorado weather summary in brief	18
District and county estimates by crop:	
Winter wheat	20
Spring wheat	24
Corn for grain	28
Corn for silage	32
Barley	34
Oats	38
Sorghum for grain	42
Sunflowers	46
Sugar beets	49
Dry beans	50
Potatoes; also disposition and stocks	55
Hay crops	56
Grain and hay stocks	68
Barley and wheat varieties	71
FRUITS, VEGETABLES, AND MISCELLANEOUS:	74
Fruit crops - 1998 review	74
Pruit production and value	15
Vegetable crops - 1998 review	/0
Vegetable acreage, production, and value	11
Planting and narvesting dates	/9
Provinitation	80
	82
FARM INCOME AND PRICES.	
Farm income and cash receipts	83
Marketing year average prices by commodity	86
Marketing year average prices by commodity	87
	07
LIVESTOCK AND POULTRY	
1998 Livestock review	91
Inventories by class	03
Cattle and calves	94
Sheep and lambs	95
Hogs and nigs	96
Breeding hogs & nig cron	97
Wool production and value	97
Feedlots and fed cattle marketings	97
Production disposition and income by species	98
Livestock slaughter by species	99
Cattle on feed	100
Dairy and dairy products	102
Chickens and eggs	104
Bees and honey: Trout	106
Livestock; Number on farms and inventory value	106
ANNUAL REPORT - Colorado Department of Agriculture	107
INDEX	131

Rank in Agriculture: Colorado's rank among states, 1998

		Col	orado	Leading	g State	United
Commodity	Unit	Rank	Production	State	Production	total
FIELD CROPS:				•		
Barley	1.000 bu	6	9.430	North Dakota	106.150	352,445
Beans dry edible	1,000 cwt.	4	2.868	North Dakota	9,798	30,828
Corn grain	1.000 bu.	13	155,150	lowa	1.769.000	9.761.085
Corn silage	1.000 tons	12	2,400	Wisconsin	10,585	94,525
Hay all	1.000 tons	13	4,602	South Dakota	8,160	151,338
Hay, alfalfa	1.000 tons	10	3,402	California	6,630	82,010
Hay, other	1,000 tons	23	1,200	Missouri, Texas	6,240	69,328
Oats	1,000 bu.	19	1,750	North Dakota	26,040	167,122
Potatoes, all	1,000 cwt.	5	27,948	Idaho	139,650	477,754
Potatoes, fall	1,000 cwt.	6	25,360	Idaho	139,650	434,368
Potatoes, summer	1,000 cwt.	2	2,588	Texas	3,116	18,896
Rye	1,000 bu.	20	84	North Dakota	2,196	11,795
Sorghum, grain	1,000 bu.	6	10,545	Kansas	264,000	519,933
Sorghum, silage	1,000 tons	6	143	Kansas	1,200	3,487
Sugar beets	1,000 tons	/	1,301	Minnesota	9,710	32,660
Sunflowers, all	1,000 lbs.	4	1/3,650	North Dakota	2,972,800	5,240,701
Sunflowers, oil varieties	1,000 lbs.	4	124,200	North Dakota	2,433,200	4,459,054
Sunflowers, non-oil varieties	1,000 lbs.	2	49,450	Konsos	339,000	787,047
Wheat arring 2/	1,000 bu.	0	105,710	North Dakota	211 200	2,330,363
Wheat winter	1,000 bu.	0 5	99.450	Kansas	494 900	1 880 605
	1,000 Du.	5	<u>99,4</u> 00	Kalisas	494,900	1,880,005
VEGETABLES: <u>3/</u>	1.000	0	020	0.110	4.000	24.107
Cabbage	1,000 cwt.	8	920	California	4,900	24,190
Carrata	1,000 cwt.	2	1 600	California	15,800	22,020
Carro aveat	1,000 cwt.	5	1,000	Elorida	29,043	24.708
Cucumbers (P)	Tons	10	1,104	Michigan	143 000	615 310
Lettuce	1.000 cwt	3	864	California	44 730	65 525
Onions (storage only)	1,000 cwt	4	6 080	California	16 192	65 131
Spinach	1,000 cwt.	4	95	California	2,400	2,980
FRUITS:						
Apples	Mil lbs.	13	65	Washington	6,000	10,944
Cherries, tart	Mil lbs.	8	1.3	Michigan	263	349
Peaches	Mil lbs.	10	20	California	1,752	2,426
Pears	Tons	7	3,500	Washington	365,000	926,240
LIVESTOCK: <u>4</u> /						
All cattle & calves	1,000 head	10	3,150	Texas	14,000	98,522
All cows <u>5</u> /	1,000 head	17	910	Texas	5,870	42,615
Beef cows <u>5</u> /	1,000 head	14	827	Texas	5,530	33,472
Milk cows <u>5</u> /	1,000 head	29	83	California	1,440	9,143
Milk production, 1998	Mil lbs.	21	1,689	California	27,607	157,441
Calf crop, 1998	1,000 head	16	850	Texas	5,250	38,582
Cattle on feed $\underline{6}/$	1,000 head	4	1,160	Texas	2,730	13,214
Fed cattle marketings 7/	1,000 head	4	2,560	Texas	6,060	26,670
All sheep & lambs	1,000 head	4	440	Texas	1,350	7,238
Lomb grop 1008	1,000 head	9	220	Texas	1,050	5,514
Market sheep & lambs	1,000 head	0	220	Colifornia	420	5,015
Wool production 1998	1,000 lleau	5	3 364	Texas	0 230	1,925
All hogs & pigs	1,000 lbs.	14	870	Iowa	15 300	62 156
Pig crop, 1998	1,000 head	11	2 452	North Carolina	18,728	104.981
All chickens	1.000 head	26	4,597	Ohio	37.410	424.094
All layers	1,000 head	23	3,737	Ohio	28.507	320.694
Egg production, 1998	Million	22	945	Ohio	7,395	79,717
MISCELLANEOUS:						
Farms, 1998	Number	30	29,500	Texas	226,000	2,191,510
Land in farms	1,000 acres	11	32,200	Texas	131,500	953,765
Average size of farm	Acres	9	1,092	Wyoming	3,760	435

I/ Includes Durum wheat. 2/ Excludes Durum wheat. 3/ Fresh market except where noted as processing (P).
 Inventory January 1, 1999 for cattle and sheep; December 1, 1998 for hogs and chickens. 5/ Cows and heifers that have calved.
 As of 1/1/99. 7/ 13 major feeding states.

Making a World of Difference for Colorado Wheat Growers

Finding and keeping domestic and export markets for wheat is critical to the prosperity of Colorado's wheat industry. Colorado wheat production averaged 84.8 million bushels between 1989-98; about 80 percent of that wheat was exported overseas.

These exports did not happen by themselves. They resulted, in large part, from efforts designed to develop, maintain and increase export sales. Much of this work is performed by the Colorado Wheat Administrative Committee (CWAC).

CWAC is a marketing order funded by a producer-approved assessment of one cent per bushel. The funds from this assessment support education, research and promotional programs designed to increase the consumption and utilization of Colorado wheat. Many of these programs deal with domestic and export promotion. Some examples of these domestic and export initiatives include the following:

- Membership in U.S. Wheat Associates (USWA) to conduct specific export promotion and foreign market development programs on behalf of Colorado and U.S. wheat producers. Exports accounted for 45 percent of total wheat usage in the 1997-98, marketing year, and was responsible for \$1.85 per bushel of the national average price of \$3.38 per bushel. In addition, CWAC works directly with USWA to help carry out some of these programs. Recent USWA CWAC programs include hosting the visits to Colorado of trade teams from the wheat-importing countries of Japan, Jordan and Ecuador.
- Membership in the Wheat Export Trade Education Committee (WETEC), which provides information and educational materials to government officials and agencies, Congress and the public about wheat export issues. Many of these issues center around building support for export promotion efforts such as the Foreign Market Development Program (FMD), the Export Enhancement Program (EEP) and the Market Access Program (MAP). USWA conducts activities under the FMD and MAP programs, each of which receives some U.S. government funding.
- Membership in the Wheat Foods Council which is the domestic promotion arm of the U.S. wheat industry. Domestic "food use" accounted for 40 percent of total wheat usage in the 1997-98 marketing year, and was responsible for \$1.35 per bushel of the national average price of \$3.38 per bushel. Per capita consumption of wheat foods is steadily rising and now stands at 150 pounds the highest level since 1946.

CWAC also supports wheat research conducted at Colorado State University (CSU). Although research programs do not always lead directly to new sales, such efforts can - and often do - improve the competitiveness of Colorado wheat in the domestic and international marketplace. The research has already led to breakthroughs such as:

- The development of new wheat varieties with improved milling and baking qualities (Akron, Yuma, Lamar);
- The development of winter wheat varieties that are resistant to the Russian wheat aphid, a notorious insect pest (Halt, Yumar, Prowers, Prairie Red);
- The development of new winter wheat varieties that are herbicide resistant to jointed goatgrass, downy brome and volunteer rye;
- The development of new hard red and hard white winter and spring varieties for Colorado.

That's a quick review of the traditional programs that CWAC invests the producer assessment into.

U.S. Wheat Export Market Development

Creating More Conditions to Sell More Wheat

U.S. wheat farmers grow billions of bushels of wheat each year. Americans generally consume less than half of this wheat in the form of cereals, breads, cookies, pastas and other wheat-based foods. During the last decade, about half of the wheat grown in the U.S. has been exported. Clearly, the U.S. wheat industry depends on export sales for much of its profitability. And high-volume U.S. wheat exports have also made the United States the leading wheat exporter in the world.

However, export market development is not an easy task. To develop markets successfully, exporters must know the market, be able to provide technical assistance and customer service to overseas buyers, and make sure that potential users know about the product in the first place. Most farmers and processors have neither the time nor the resources to undertake these tasks themselves.

This is where U.S. Wheat Associates (USWA), the U.S. wheat industry's export market development organization, serves a vital purpose. USWA's mission is simple: to promote U.S. wheat exports. To do this, USWA works in 130 countries to increase wheat consumption and U.S. market share for all classes of U.S. wheat. USWA doesn't buy, sell or process wheat. It devotes its resources exclusively to market development to create the conditions that make it possible to sell more U.S. wheat to other countries.

Why Export?

Some farmers may wonder whether export sales are worth pursuing. A few very important reasons to promote wheat exports are that Americans consume less than half of the wheat our farmers produce, and that *our country's population accounts for less than five percent of the world's potential wheat consumers*. Also, the population of the rest of the world is rapidly growing, and conditions in many foreign countries are creating opportunities to sell more wheat. Of course promoting domestic wheat consumption is important, but overseas market development opportunities also need to be pursued. This makes USWA's mission even more important.

High-volume U.S. wheat exports, along with other agricultural exports, not only benefit farmers, but are crucial to the health of the entire U.S. economy. Wheat is one of the top U.S. agricultural exports, and agricultural exports are one of only a handful of U.S. export products that have a positive trade balance. And high-volume agricultural exports generate jobs. Economists have determined that agricultural exports, including wheat exports, create nearly one million U.S. jobs both on and off the farm and generate \$60 billion in support services to harvest, process, package, store, transport and market products. Clearly, wheat and other agricultural exports are value-added exports.

Wheat and agricultural exports are important, but why do we need a promotional organization like USWA when grain companies already sell U.S. wheat to other countries? The answer is simple: grain companies are involved in selling wheat or grain rather than developing markets. They also do not sell U.S. grain exclusively. USWA works to increase overseas sales of wheat, and only wheat that is produced in the United States.

Who Buys U.S. Wheat?

The high volume of wheat exported by the United States makes it the largest exporter of wheat in the world with nearly 100 countries from every part of the globe importing U.S. wheat each year. Top buyers in recent years have included Japan, China, Egypt, the Philippines, Korea, Pakistan, Algeria, Nigeria, Morocco and Taiwan. During the 1990's, improving economies in countries such as the Philippines, Pakistan, Mexico, Thailand and South Africa resulted in increased sales; while other circumstances caused some customers, such as the Former Soviet Union, to decrease imports.

Through its global office network, USWA is constantly monitoring changes in export markets and working with importers and others to take advantage of opportunities in new markets, maintain and increase sales in solid markets and develop new programs as needed. As we approach the 21st century, many countries will be in a position to increase their wheat imports, and USWA will be working to ensure that U.S. wheat is what they buy.

A New Trading Environment

The 1990s have ushered in a new environment for world trade in wheat and other agricultural commodities through completion of the North American Free Trade Agreement and the Uruguay Round of the General Agreement on Tariffs and Trade, which resulted in the establishment of the World Trade Organization. The United States and other countries participating in the Uruguay Round agreed to reduce agricultural export subsidies, but are allowed to spend unlimited funds on export promotion. Another significant change in the 1990s is wheat import privatization: countries that once relied on their governments to import wheat are turning that task over to private importers. These changes are expected to expand sales of wheat and other agricultural products - a fact that other exporters such as Canada, Australia and the European Union will not overlook. Prior to the Uruguay Round, some competitor countries were spending twice as much money as the United States on agricultural export market development. This makes programs such as those operated by USWA more important than ever if the United States hopes to benefit from the overall upturn in world agricultural trade.

Moving into the 21st Century

New trade agreements, emerging private-sector economies and diplomatic openings in long-isolated countries are creating a 21st-century trade arena that will differ significantly from the late 20th-century world trade environment. USWA has anticipated these new challenges, and through its strategic planning process is positioning the U.S. wheat industry to take full advantage of future world trade and economic growth.

One of the most important recent changes is the trend in many countries to shift wheat import operations from the government to the private sector. History has shown that when privatization occurs, wheat consumption increases. Given current trends, 80 to 90 percent of the world grain trade may be privatized by the year 2000, compared to 50 percent in the early 1990s. This change will dramatically increase the number of potential wheat buyers, most of whom are unfamiliar with the U.S. grain marketing system, which can seem complex and puzzling to those unfamiliar with it. USWA's global network of overseas offices already in place makes it possible to immediately provide trade servicing and technical assistance to these new private sector importers.

Increasing Exports

The U.S. Department of Agriculture has set a goal of increasing U.S. agricultural exports to \$65 billion by the year 2000, nearly double levels during the early 1990s. Meeting this goal will include selling billions of bushels of high-volume U.S. wheat exports, which will not only benefit U.S. wheat farmers, but the entire U.S. economy. Organizations like USWA and the commitment and support of the government, U.S. wheat producers and state wheat organizations like CWAC will help make meeting this goal possible.

		Colorado		United States				
Year	Farms <u>1</u> /	Land in farms	Average size	Farms <u>1</u> /	Land in farms	Average size		
	Number	1,000 Acres	Acres	Number	1,000 Acres	Acres		
1989	27,000	33,500	1,241	2,174,520	990,723	456		
1990	26,500	33,100	1,249	2,145,820	986,850	460		
1991	26,000	32,800	1,262	2,116,760	981,736	464		
1992	25,500	32,800	1,286	2,107,840	978,503	464		
1993	29,500	32,800	1,112	2,201,590	968,845	440		
1994	29,500	32,700	1,108	2,197,690	965,935	440		
1995	29,500	32,700	1,108	2,196,400	962,515	438		
1996	29,500	32,500	1,101	2,190,500	958,675	437		
1997	29,500	32,500	1,101	2,190,510	956,010	436		
1998	29,500	32,200	1,092	2,191,510	953,765	435		

Farms, land in farms, and average size, Colorado and U.S., 1989-98

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

Livestock Operations: Number by type, Colorado, 1990-98

Year	All cattle operations	Beef cow operations <u>1</u> /	Milk cow operations <u>1</u> /	Cattle feedlots <u>1/ 2</u> /	Sheep operations	Hog operations
			Num	ber		
1990	15,000	10,800	1,700	285	2,200	2,000
1991	14,500	10,500	1,400	295	2,000	1,800
1992	14,000	10,500	1,300	295	1,900	1,600
1993	14,000	10,500	1,300	295	1,800	1,600
1994	14,000	10,500	1,100	290	1,600	1,600
1995	14,000	10,000	1,000	290	1,300	1,400
1996	13,700	10,000	900	166	1,600	1,300
1997	14,700	10,200	900	174	1,600	1,200
1998	15,500	11,700	900	166	1,700	1,100

Included in all cattle operations.
 Beginning 1996 includes only feedlots with 1,000 head capacity or greater.

Cattle: Percent of operations and inventory by size group, by class, Colorado, 1993-98

		Operatio	ns having			Inventory on o	perations having	5
Year/Class	1-49 Head	50-99 Head	100-499 Head	500+ Head	1-49 Head	50-99 Head	100-499 Head	500+ Head
		Per	cent		· · · · · · · · · · · · · · · · · · ·	Per	cent	
1993								
All Cattle & Calves	47.9	15.0	29.3	7.8	3.5	4.5	27.0	65.0
Beef Cows	60.0	16.2	21.9	1.9	13.0	14.0	53.0	20.0
1994								
All Cattle & Calves	47.9	14.3	30.0	7.8	3.4	4.6	28.0	64.0
Beef Cows	60.0	16.2	21.9	1.9	13.0	14.0	53.0	20.0
1995								
All Cattle & Calves	47.9	14.3	30.0	7.8	3.0	4.0	28.0	65.0
Beef Cows	58.0	14.0	26.0	2.0	11.0	12.0	57.0	20.0
1996								
All Cattle & Calves	48.9	13.1	30.0	8.0	3.2	3.8	29.0	64.0
Beef Cows	57.0	15.0	25.5	2.5	11.0	12.0	54.0	21.0
1997								
All Cattle & Calves	50.3	14.3	28.6	6.8	4.0	4.3	28.0	63.7
Beef Cows	56.8	16.7	24.0	2.5	11.0	13.0	56.0	22.0
1998								
All Cattle & Calves	52.2	16.8	23.9	7.1	4.6	5.6	24.0	65.8
Beef Cows	61.6	16.2	20.1	2.1	14.0	15.0	50.0	21.0

			1 10	meu ac	reage,	princip	ai crop.	5, COIOI	100, 17757	0			
Year	All Wheat <u>1</u> /	All Corn	All Sorghum	Barley	Oats	Rye	Dry Beans	Sugar Beets	All Sunflowers	All Hay	All Potatoes	Vege- tables	Total <u>2</u> /
						,	Thousand	Acres					
1973	2,731	795	440	289	130	71	193	122.8			37.7	26.5	6,375.0
1974	3,097	795	470	252	115	35	182	128.6			41.2	27.3	6,543.1
1975	3,074	810	510	245	110	21	205	162.7			40.4	24.1	6,667.2
1976	3,150	895	505	275	114	35	180	124.0			44.6	24.9	6,827.5
1977	3,030	970	475	300	115	30	165	77.0			44.0	26.3	6,647.3
1978	3,038	1,015	500	260	121	30	175	89.0			48.5	27.8	6,774.3
1979	3,245	1,015	490	295	115	20	175	76.0			47.1	28.4	7,046.5
1980	3,554	970	490	265	100	10	220	94.0			43.0	26.2	7,272.2
1981	3,511	960	455	284	74	15	230	80.0			47.5	26.8	7,033.3
1982	3,350	980	385	225	90	17	190	50.0			52.5	19.8	6,719.3
1983	3,865	780	295	232	115	12	155	42.0			54.0	20.9	7,040.9
1984	3,875	840	500	350	130	15	195	48.3			60.8	23.8	7,467.9
1985	3,774	875	370	360	115	13	210	2.9			64.1	25.4	7,254.4
1986	3,360	820	380	390	90	15	191	37.8			63.9	21.8	6,779.5
1987	3,160	800	400	230	100	18	185	37.4			67.5	23.4	6,521.3
1988	2,554	910	270	185	110	18	160	39.1			66.2	24.5	5,986.8
1989	2,775	1,050	400	190	95	25	195	40.6			68.8	22.9	6,362.3
1990	2,742	950	270	155	90	15	245	40.8			72.8	23.2	6,153.8
1991	2,638	995	320	140	88	15	190	40.7	63		78.0	24.8	6,092.5
1992	2,700	990	230	130	80	10	164	40.2	70		73.4	32.5	6,000.1
1993	2,835	1,005	210	100	80	11	205	40.3	85		80.8	35.6	6,087.7
1994	2,945	950	200	90	75	25	205	44.3	100		83.5	38.6	6,086.4
1995	2,940	950	200	110	95	15	190	42.8	115		86.3	40.4	6,184.5
1996	2,870	1,000	290	100	80	28	145	54.8	110		88.0	39.1	6,314.9
1997	3,053	1,090	190	95	70	28	135	67.9	85		84.8	40.4	6,529.1
1998	2,812	1,180	200	90	90	33	110	62.5	145		83.5	37.8	6,253.8

Planted acreage, principal crops, Colorado, 1973-98

1/ Planted for harvest in year shown. Winter wheat sown fall preceding year.

 $\overline{2}$ / Includes harvested acres for all hay.

Harvested acreage, principal crops, Colorado, 1973-98

Year	All Wheat	All Corn	All Sorghum	Barley	Oats	Rye	Dry Beans	Sugar Beets	All Sunflowers	All Hay	All Potatoes	Vege- tables	Total
						1	Fhousand A	Acres					
1973	2,605	777	420	268	46	15	188	113.7		1,539	37.0	23.4	6,032.1
1974	2,900	785	425	200	31	6	177	125.7		1,400	40.6	24.0	6,114.3
1975	2,498	801	470	230	42	4	200	154.9		1,465	39.7	22.1	5,926.7
1976	2,440	883	445	245	50	7	175	121.0		1,480	43.8	22.8	5,912.6
1977	2,576	950	455	250	31	4	140	72.0		1,415	43.3	22.7	5,959.0
1978	2,523	990	465	230	40	5	160	84.0		1,470	47.8	25.4	6,040.2
1979	2,641	1,005	460	275	50	3	165	73.0		1,540	46.4	26.4	6,284.8
1980	3,400	959	465	245	33	2	215	91.0		1,500	42.3	24.4	6,976.7
1981	3,108	950	425	270	26	3	225	77.0		1,350	46.8	24.9	6,505.7
1982	2,958	970	366	215	40	2	185	46.0		1,360	51.9	17.7	6,211.6
1983	3,063	771	285	220	42	2	150	37.2		1,470	53.3	19.4	6,112.9
1984	3,270	838	478	325	50	1	190	44.2		1,430	60.1	22.6	6,708.9
1985	3,522	874	353	340	55	2	205	2.5		1,445	63.4	23.9	6,885.8
1986	2,955	805	319	350	40	2	185	37.2		1,410	63.9	20.1	5,187.2
1987	2,555	795	228	220	50	3	180	37.0		1,500	66.3	22.2	5,656.5
1988	2,352	905	202	175	60	6	155	38.6		1,650	65.6	23.0	5,632.2
1989	2,270	1,045	350	160	55	4	185	40.0		1,500	68.2	22.3	5,699.5
1990	2,590	947	240	150	45	3	225	40.0		1,550	72.2	22.4	5,884.6
1991	2,336	990	292	130	30	3	180	40.2	60	1,500	74.9	23.2	5,659.3
1992	2,397	980	200	120	26	2	159	39.9	67	1,480	72.7	30.4	5,574.0
1993	2,583	990	192	90	23	1	185	40.0	77	1,400	80.4	33.9	5,695.3
1994	2,592	937	188	83	24	2	195	43.2	95	1,330	83.0	36.1	5,608.3
1995	2,738	935	178	100	33	2	165	41.1	110	1,400	85.9	36.7	5,824.7
1996	2,268	980	272	92	35	2	125	51.1	107	1,510	87.6	35.9	5,565.6
1997	2,750	1,080	168	89	25	2	120	66.4	80	1,590	84.5	35.1	6,090.0
1998	2,610	1,170	196	82	25	3	155	57.3	135	1,410	83.2	35.9	5,962.4

		ia oropor mere	uge, producti	on and value,	00101440, 1202	/0	
	Ac	reage	Yield	per acre		Value	
Year	Diantad	Hermonical	Directori	TTomard A	Production	per	Total
	Planed	Harvested	Planted	Harvested	Troduction		Value
-				All wheat			
	1,000	1,000			1,000	Dollars	1.000
	Acres	Acres	Bushels	Bushels	Bushels	Per Bu	Dollars
10.00	2 250	2.059	25 4	20.7	04.004	2.25	204 5 47
1902	2,230	2,930	25.4	28.7	04,904	5.55	284,347
1983	3,803	3,003	31.0	39.9	122,103	3.24	395,260
1984	3,873	3,270	29.7	35.2	115,020	3.19	300,549
1985	3,774	3,522	36.9	39.6	139,302	2.11	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	2.46	214,235
1991	2,638	2,336	28.1	31.7	74,000	3.07	227,126
1992	2,700	2,397	27.5	30.9	74,119	3.15	232,932
1993	2,835	2,583	34.2	37.5	96,990	3.21	310,335
1994	2,945	2,592	27.1	30.8	79,734	3.48	276,828
1995	2,940	2,738	35.8	38.4	105,260	4.64	488,528
1996	2,870	2,268	26.3	33.3	75,500	4.26	320,855
1997	3,053	2,750	29.5	32.8	90,100	3.17	285,580
1998	2,812	2,610	36.9	39.7	103,710	2.60	268,794
				Winter Wheat			
	1,000	1,000			1,000	Dollars	1,000
	Acres	Acres	Bushels	Bushels	Bushels	Per Bu	Dollars
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	2.23	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 47	207.851
1991	2,600	2,300	27.5	31.0	71 300	3.07	218 891
1992	2,650	2,350	26.5	30.0	70,500	3 15	222 075
1993	2,000	2,550	33.5	37.0	94 350	3 21	302 864
1004	2,000	2,550	26.5	30.0	76 500	3.48	266 220
1005	2,000	2,550	20.5	38.0	102 600	1.65	177 000
1006	2,900	2,700	25.0	32.0	70.400	4.05	300.608
1997	3,000	2,200	29.0	32.0	86 400	3.17	273 888
1998	2,750	2,550	36.0	39.0	99,450	2.60	258,570
				Spring Wheat			
ſ	1,000	1,000			1,000	Dollars	1,000
	Acres	Acres	Bushels	Bushels	Bushels	Per Bu	Dollars
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	2.28	6.384
1991	38	36	71.0	75.0	2,700	3.05	8,235
1992	50	47	72.5	77.0	3,619	3.00	10.857
1993	35	33	75.5	80.0	2.640	2.83	7.471
1994	45	42	72.0	77.0	3 234	3.28	10 608
1995	40	38	66.5	70.0	2 660	4 30	11 438
1996	70	68	73.0	75.0	5,100	3.97	20.247
1997	53	50	70.0	74.0	3,700	3.16	11,692
1998	62	60	68.5	71.0	4.260	2.40	10.224

Field Crops: Acreage, production and value, Colorado, 1982-98

	Field	Crops: Acre	age, productio	on and value, C	olorado, 1987-9	98					
N	Ac	reage	Yield	per acre		Value per	Total				
Year	Planted	Harvested	Planted	Harvested	Production	unit	value				
		Corn for Grain <u>1</u> /									
	1,000	1,000	Ducholo	Duchola	1,000 Ruchele	Dollars Por Pu	1,000 Dellars				
	Acres	Acres	Bushels	Dusnels	Dustiels	rer bu	Donars				
1987	800	690	$\frac{2}{2}$	155.0	106,950	1.95	208,553				
1988	910	800	$\frac{2l}{2}$	160.0	128,000	2.54	325,120				
1989	1,050	930	$\frac{2l}{2l}$	143.0	124,020	2.32	303.614				
1990	950	870	$\frac{21}{21}$	153.0	123,000	2.30	303,014				
1997	990	880	$\frac{2}{2}$	148.0	130.240	2.23	290.435				
1993	1.005	890	=	120.0	106,800	2.65	283,020				
1994	950	840	2/	150.0	126,000	2.38	299,880				
1995	950	830	<u>2</u> /	111.0	92,130	3.33	306,793				
1996	1,000	890	<u>2</u> /	142.0	126,380	2.76	348,809				
1997	1,090	980	$\frac{2}{2}$	146.0	143,080	2.59	370,577				
1998	1,180	1,070	2/	145.0	155,150	2.10	325,815				
-				Corn for Silage	1/						
	1,000	1,000			1,000	Dollars	1,000				
	Acres	Acres	Tons	Tons	Tons	Per Ton	Dollars				
1987	800	105	2/	22.0	2,310	15.30	35,343				
1988	910	105	<u>2</u> /	23.0	2,415	22.20	53,613				
1989	1,050	115	<u>2</u> /	22.0	2,530	21.30	53,889				
1990	950	117	$\frac{2}{2}$	22.5	2,633	21.60	56,873				
1991	995	120	$\frac{2}{2}$	22.0	2,640	20.00	52,800				
1992	990	100	$\frac{2}{2}$	22.5	2,230	19.10	42,975				
1995	950	97	$\frac{2}{2}$	21.0	2,100	22.00	41,790				
1995	950	105	$\frac{2}{2}$	20.0	2,100	22.00	46.200				
1996	1,000	90	$\frac{\overline{2}}{\overline{2}}$	21.5	1,935	24.00	46,440				
1997	1,090	100	2/	22.5	2,250	24.00	54,000				
1998	1,180	100	2/	24.0	2,400	22.00	52,800				
_				Barley							
	1,000	1,000	Duchala	Duchala	1,000 Bashala	Dollars Dou Bu	1,000 Dellana				
1007	Acres	Acres	Busnels	Busnels	Busnels	Per Bu	Dollars				
1987	230	220	61.0	64.0	14,080	2.56	36,045				
1900	100	1/5	03.3 64.0	07.0	11,725	3.01	30,292				
1990	155	150	77 5	80.0	12,100	3.06	36 720				
1991	140	130	74.5	80.0	10,400	3.14	32,656				
1992	130	120	75.0	81.0	9,720	2.57	24,980				
1993	100	90	76.5	85.0	7,650	2.93	22,415				
1994	90	83	83.0	90.0	7,470	2.64	19,721				
1995	110	100	91.0	100.0	10,000	2.95	29,500				
1990	100	92	95.5	104.0	9,308	2.02	29,102				
1998	90	82	105.0	115.0	9,430	2.90	27,347				
-				Dry Beans <u>1</u> /							
	1,000	1,000	D	Deve	1,000	Dollars	1,000				
1007	Acres	Acres	Pounds	Pounds	Cwt	Per Cwt	Dollars				
1987	185	180	1,450	1,490	2,682	14.60	39,157				
1968	160	155	1,600	1,650	2,558	31.20	/9,810				
1990	245	105	1,390	1,080	2,108 4 275	15.90	67 973				
1991	190	180	1,750	1,850	3,330	13.70	45.621				
1992	164	159	1,590	1.640	2,608	19.00	49,552				
1993	205	185	1,270	1,410	2,609	27.00	70,443				
1994	205	195	1,530	1,610	3,140	16.60	52,124				
1995	190	165	1,350	1,550	2,558	18.50	47,323				
1996	145	125	1,550	1,800	2,250	22.50	50,625				
1997	135	120	1,690	1,900	2,280	18.70	42,030				
1770	1/0	100	1,090	1,850	2,808	10.70	47,890				

 $\underline{1}$ "Planted acres" for corn pertains to acreage planted for all purposes. $\underline{2}$ Not available.

Year	Acre	age	Yield J	per acre		Value	Total
Year	Planted	Harvested	Planted	Harvested	Production	unit	value
			Soi	rghum for Grain	n <u>1</u> /		1
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars
1987 1988 1989	400 270 400	210 180 325	2/ 2/ 2/	43.0 46.0 35.0	9,030 8,280 11,375	1.84 2.25 2.20	16,615 18,630 25,025
1990 1991 1992 1993	270 320 230 210	220 270 180 170	2/ 2/ 2/ 2/	47.0 40.0 37.0 42.0	10,340 10,800 6,660 7,140	2.09 2.25 1.92 2.50	21,611 24,300 12,787 17,850
1994 1995 1996 1997	200 200 290 190	170 165 260 150	2/ 2/ 2/ 2/	42.0 28.0 51.0 40.0	7,140 4,620 13,260 6,000	2.14 3.14 2.27 2.19	15,280 14,507 30,100 13,140
1998	200	185	<u>2/</u>	57.0	10,545	1.75	18,454
	1.000	1 000			1 000	Dollara	1.000
	Acres	Acres	Tons	Tons	Tons	Per Ton	Dollars
1987 1988 1989 1990	400 270 400 270	18 22 25 20	2/ 2/ 2/ 2/	15.0 13.0 14.0 13.0	270 286 350 260	12.60 17.00 18.00 19.50	3,402 4,862 6,300 5,070
1991 1992 1993 1994	320 230 210 200	22 20 22 18	2/ 2/ 2/ 2/	15.0 18.0 16.0 15.0	330 360 352 270	17.70 18.00 20.00 20.00	5,841 6,480 7,040 5,400
1995 1996 1997 1998	200 290 190 200	13 12 18	2/ 2/ 2/ 2/	13.0 13.0 13.0 13.0	169 156 234 143	20.00 19.00 21.50 21.00	3,380 2,964 5,031 3,003
	200		2	Oats		21100	5,005
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars
1987 1988 1989 1990	100 110 95 90	50 60 55 45	27.0 27.5 32.0 25.0	54.0 50.0 55.0 50.0	2,700 3,000 3,025 2,250	1.60 2.45 1.45 1.70	4,320 7,350 4,386 3,825
1991 1992 1993 1994	88 80 80 75	30 26 23 24	20.5 19.5 18.0 19.0	60.0 60.0 62.0 60.0	1,800 1,560 1,426 1,440	1.60 1.70 1.82 1.80	2,880 2,652 2,595 2,592
1995 1996 1997 1998	95 80 70 90	33 35 25 25	21.5 23.0 24.5 19.5	62.0 52.0 68.0 70.0	2,046 1,820 1,700 1,750	2.17 2.24 2.05 1.70	4,440 4,077 3,485 2,975
				Rye			
	1,000 Acres	1,000 Acres	Bushels	Bushels	1,000 Bushels	Dollars Per Bu	1,000 Dollars
1987 1988 1989	18 18 25	3 6 4	4.0 8.5 3.0	24.0 25.0 20.0	72 150 80	1.25 2.15 1.65	90 323 132
1990 1991 1992 1993	15 15 10 11	3 3 2 1	5.5 5.0 5.0 2.5	28.0 26.0 25.0 25.0	84 78 50 25	1.70 1.90 2.30 2.61	143 148 115 65
1994 1995 1996	25 15 28	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2.0 4.0 2.0	27.0 30.0 25.0	54 60 50	2.50 2.55 3.41	135 153 171
1997	28 33	2 3	2.0	27.0	84	3.30 1.80	178

Field Crops: Acreage, production and value, Colorado, 1987-98

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

	Ac	reage	Yield	per acre		Value	Total
Year	Planted	Harvested	Planted	Harvested	Production	unit	value
				All Potat	oes		
	1,000 Acres	1,000 Acres	Cwt	Cwt	1,000 Cwt	Dollars Per Cwt	1,000 Dollars
1987	67.5	66.3	316	322	21,359	2.10	44,164
1988	66.2	65.6 68.2	316	319	20,901	7.15	149,993
1990	72.8	72.2	342	345	24,874	4.65	115,681
1991	78.0	74.9	331	345	25,836	2.25	57,576
1992	73.4	72.7	329	332	24,120	4.20	100,702
1994	83.5	83.0	346	348	28,864	3.75	107,377
1995	86.3	85.9	308	309	26,584	6.25	166,705
1996	88.0	87.6	370	372	32,556	1.90	60,542
1998	83.5	83.2	335	336	27,948	3.80	106,901
				Fall Pota	toes		
	1,000 Acres	1,000 Acres	Cwt	Cwt	1,000 Cwt	Dollars Per Cwt	1,000 Dollars
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
1991	71.0	68.0	335	350	23,800	2.00	47,600
1992	66.5	66.0	332	335	22,110	4.05	89,546
1993	72.5	72.2	349	350	25,270	6.15	155,411
1995	77.0	76.8	309	310	23,808	6.25	148,800
1996	78.0	77.8	374	375	29,175	1.60	46,680
1997	77.0	76.9	325	325	24,993 25.360	4.50	112,469 93,832
				Summer Po	tatoes		
	1,000 Acres	1,000 Acres	Cwt	Cwt	1,000 Cwt	Dollars Per Cwt	1,000 Dollars
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
1990	7.3	7.2	291	295	2,144	6.80	12,804
1991	7.0	6.9	291	295	2,036	4.90	9,976
1992	6.9	6.7	291	300	2,010	5.55	11,156
1993	9.5	9.3	323	330	3.069	5.15	15,805
1995	9.3	9.1	298	305	2,776	6.45	17,905
1996	10.0	9.8	338	345	3,381	4.10	13,862
1998	7.7	7.5	336	345	2,588	5.05	13,069
				Sugar Be	ets		
	1,000 Acres	1,000 Acres	Tons	Tons	1,000 Tons	Dollars Per Ton	1,000 Dollars
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
1990	40.8	40.0	22.5	22.8	912 944	43.70	39,854
1991	40.7	40.2	23.7	24.0	965	39.80	38,407
1992	40.2	39.9	23.7	23.9	954	39.50	37,683
1993	40.3	40.0	23.0	23.1	924	38.40	35,482
1995	42.8	41.1	16.7	17.4	715	35.40	25,311
1996	54.8	51.1	18.8	20.2	1,032	41.20	42,518
1998	62.5	57.3	19.3 20.8	19.7	1,308	34.10 1/	44,603

Field Crops: Acreage, production and value, Colorado, 1987-98

1/ Available February 2000.

			/	· · · · · · · · · · · · · · · · · · ·	1
	Acreage	Yield		Value	Total
Year	harvested	per acre	Production	per ton	value
		······	All Hay		1
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
1000	1.260	2.24	2.176	66.00	200 (1(
1982	1,300	2.34	3,170	00.00	209,010
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	80.50	303,953
1991	1,500	2.71	4,062	70.50	287,076
1992	1,480	2.83	4,189	64.50	267,741
1993	1,400	3.00	4,193	77.00	319,491
1994	1,330	3.05	4,060	91.00	368,284
1995	1,400	2.89	4,050	87.50	354,960
1996	1,510	2.77	4,180	96.00	402,120
1997	1.590	2.98	4.739	101.00	485,954
1998	1,410	3.26	4,602	94.00	440,487
			Alfalfa Hay		· · · · · · · · · · · · · · · · · · ·
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
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	92.60	222,225
1990	740	3.50	2,590	81.00	209,790
1991	720	3.80	2,736	71.00	194,256
1992	780	3.80	2,964	64.50	191,178
1993	850	3.80	3,230	77.00	248,710
1994	840	3.90	3,276	91.00	298,116
1995	850	3.60	3,060	88.50	270,810
1996	860	3.50	3.010	99.00	297,990
1997	840	3.90	3.276	101.00	330.876
1998	810	4.20	3,402	93.50	318,087
- -		All	Other Hay <u>1</u> /		
	1,000 Acres	Tons	1,000 Tons	Dollars	1,000 Dollars
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
1085	625	1.50	038	56.00	52 530
1986	640	1.50	1 024	56.00	57 344
1087	670	1.00	1,024	61.00	60.470
1000	070 970	1.70	1,137	74.50	07,479
1900	070	1.30	1,505	74.30	97,222
1909	/50	1.40	1,050	89.00	95,450
1990	810	1.30	1,215	77.50	94,103
1991	/80	1.70	1,326	/0.00	92,820
1992	700	1.75	1,225	62.50	76,563
1993	550	1.75	963	73.50	70,781
1994	490	1.60	784	89.50	70,168
1995	550	1.80	990	85.00	84,150
1996	650	1.80	1,170	89.00	104,130
1997	750	1.95	1,463	106.00	155,078
1998	600	2.00	1,200	102.00	122,400

Field Crops: Acreage, production and value, Colorado, 1982-98

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

	Ac	reage				
Year	Planted	Harvested	Yield per acre	Production	Value	Total value
	T Milles		per dere	Troduction	per ent	, and the second
			All Sunfi	owers		
	1,000 Acres	1,000 Acres	Pounds	Pounds	Dollars	1,000 Dollars
1982						
1983						
1984						
1985						
1986						
1987						
1988						
1989						
1990	63	60	971	58 250 000	9 60	5 585
1992	70	67	1.367	91,600,000	10.20	9.384
1993	85	77	1,156	89,000,000	13.20	11,717
1994	100	95	1,014	96,300,000	11.30	10,860
1995	115	110	938	103,160,000	12.70	13,173
1996	110	107	1,185	126,800,000	13.30	16,844
1997	85	80	1,076	86,100,000	12.30	10,395
1998	145	135	1,286	173,650,000	11.80	20,311
			Sunflowers, O	il		
	1,000 Acres	1,000 Acres	Pounds	Pounds	Dollars	1,000 Dollars
1982						
1983						
1984						
1985						
1986						
1987						
1980						
1990						
1991	37	35	950	33,250,000	8.00	2,660
1992	46	44	1,350	59,400,000	8.75	5,198
1993	60	54	1,120	60,480,000	12.30	7,439
1994	72	69	1,000	69,000,000	10.20	7,038
1995	65	62	820	50,840,000	11.40	5,796
1990	45	44	1,450	63,800,000	10.80	6,890
1997	100	47	1,200	124 200 000	10.90	0,148
			Sunflowers, Non	•Oil	10.70	15,267
	1,000 Acres	1,000 Acres	Pounds	Pounds	Dollars	1,000 Dollars
1082						
983						
984						
985						
986						
987						
988						
989						
990			1.000		11.70	
002	20	25	1,000	25,000,000	11.70	2,925
993	24	23	1,400	32,200,000	15.00	4,180
994	28	25	1,240	28,320,000	14.00	4,270
995	50	48	1,090	52, 320,000	14.10	7,377
996	65	63	1,000	63,000,000	15.80	9,954
997	35	33	900	29,700.000	14.30	4,247
998	45	43	1,150	49,450,000	14.20	7,022

Field Crops: Acreage, production and value, Colorado, 1982-98 1/

1/ Estimates began 1991.

		Irrigated			Non-irrigated		T	otal
Vee	A	Viold		A	Viald		A	
Year	harvested	per acre	Production	Acreage harvested	per acre	Production	harvested	Production
					All Wheat			<u> </u>
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1988 1989 1990 1991	205.0 188.7 181.5 147.0	59.5 54.0 61.0 61.5	12,150 10,196 11,040 9,048	2,147.0 2,081.3 2,408.5 2,189.0	31.5 25.0 31.5 29.5	67,390 51,904 75,910 64,952	2,352 2,270 2,590 2,336	79,540 62,100 86,950 74,000
1992 1993 1994 1995	172.0 173.0 169.5 189.5	65.0 59.5 63.5 60.5	11,181 10,296 10,803 11,475	2,225.0 2,410.0 2,422.5 2,548.5 2,055.0	28.5 36.0 28.5 37.0	62,938 86,694 68,931 93,785 61,600	2,397 2,583 2,592 2,738 2,268	74,119 96,990 79,734 105,260 75 500
1990	232.0	65.5	15,172	2,518.0	30.0	74,928	2,208	90,100 103 710
1996	198.0	14.5	14,780	2,412.0	Winter Wheat	00,730	2,010	105,710
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1988 1989 1990	160.0 130.0 150.0	54.0 42.0 56.0	8,640 5,460 8,400	2,140.0 2,070.0 2,400.0	31.5 25.0 31.5	67,260 51,740 75,750	2,300 2,200 2,550	75,900 57,200 84,150
1991 1992 1993	120.0 135.0 145.0	55.0 58.5 53.5	6,600 7,885 7,760	2,180.0 2,215.0 2,405.0	29.5 28.5 36.0	64,700 62,615 86,590	2,300 2,350 2,550	71,300 70,500 94,350
1994 1995 1996 1997	135.0 160.0 160.0 190.0	57.0 56.5 57.0 61.0	7,700 9,000 9,100 11,600	2,415.0 2,540.0 2,040.0 2,510.0 2,390.0	28.5 37.0 30.0 30.0	68,800 93,600 61,300 74,800 88,400	2,550 2,700 2,200 2,700 2,550	76,500 102,600 70,400 86,400 99,450
1770	100.0	0).0		2,570.0	Spring Wheat	00,400	2,330	
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1988 1989 1990	45.0 58.7 31.5	78.0 80.5 84.0	3,510 4,736 2,640 2,448	7.0 11.3 8.5	18.5 14.5 19.0	130 164 160	52 70 40	3,640 4,900 2,800
1991 1992 1993 1994	37.0 28.0 34.5	90.5 89.0 90.5 90.0	2,448 3,296 2,536 3,103	10.0 5.0 7.5	32.5 21.0 17.5	323 104 131	47 33 42	2,700 3,619 2,640 3,234
1995 1996 1997 1998	29.5 53.0 42.0 38.0	90.5 85.0 98.0	2,475 4,800 3,572 3,730	8.3 15.0 8.0 22.0	22.0 20.0 16.0 24.0	300 128 530	50 60	5,100 3,700 4,260
					Barley			
	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels
1988	111.0 117.0 126.0 112.0	87.0 92.5 90.0 88.5 89.0	9,680 10,827 11,350 9,890 9,160	64.0 43.0 24.0 18.0 17.0	32.0 31.0 27.0 28.5 33.0	2,045 1,333 650 510 560	175 160 150 130	11,725 12,160 12,000 10,400 9,720
1993 1994 1995	80.0 73.0 86.5 78.0	91.5 99.0 110.5	7,325 7,210 9,549 9,130	10.0 10.0 13.5 14.0	32.5 26.0 33.5 31.5	325 260 451 438	90 83 100 92	7,650 7,470 10,000 9,568
1997 1998	79.0 73.0	117.5	9,267 9,140	10.0	34.5 32.0	345	89 82	9,612 9,430

Field Crops: Acreage and production by cropping practice, Colorado, 1988-98

		Irrigated			Non-irrigated		Total		
Year	Acreage	Yield		Acreage	Yield		Acreage		
	harvested	per acre	Production	harvested	рег асте	Production	harvested	Production	
				Corn fo	r Grain				
	1,000 Acres	Rushels	1,000 Bushels	1,000 Acres	Bushels	1,000 Bushels	1,000 Acres	1,000 Bushels	
1088	778	163.0	126 793	22	55.0	1 207	800	128 000	
1980	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	
1991	820	159.0	130.390	50	54.5	2,720	870	133,110	
1992	800	156.5	125.000	80	65.5	5.240	880	130.240	
1993	800	128.0	102,220	90	51.0	4,580	890	106,800	
1994	750	163.0	122,200	90	42.0	3,800	840	126,000	
1995	730	121.5	88,680	100	34.5	3,450	830	92,130	
1996	780	153.0	119,200	110	65.5	7,180	890	126,380	
1997	830	161.0	133,700	150	62.5	9,380	980	143,080	
1998	830	167.5	139,000	240	67.5	16,150	1,070	155,150	
				Sorghum fo	or Grain				
	1,000		1,000	1,000	_	1,000	1,000	1,000	
	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Acres	Bushels	
1988	55.0	77.0	4,235	125.0	32.5	4,045	180	8,280	
1989	75.0	60.0	4,500	250.0	27.5	6,875	325	11,375	
1990	64.0	76.0	4,850	156.0	35.0	5,490	220	10,340	
1991	65.0	60.0	3,900	205.0	33.5	6,900	270	10,800	
1992	45.0	50.5	2,272	135.0	32.5	4,388	180	6,660	
1993	43.0	04.5	2,780	127.0	34.5	4,360	170	7,140	
1994	35.0	74.0	2,582	135.0	34.0	4,558	170	7,140	
1995	32.0	33.3 70 5	1,704	220.0	22.0	2,910	105	4,020	
1990	30.0	60.5	2,307	120.0	35.0	4 180	150	6 000	
1998	26.5	75.5	2 000	158.5	54.0	8 545	185	10 545	
		10.0		Dry Bea	ans 1/			10,5 15	
	1.000		1,000	1.000		1.000	1.000	1,000	
	Acres	Pounds	Cwt	Acres	Pounds	Ċwt	Acres	Cwt	
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	
1991	148.0	2,150	3,188	32.0	500	142	180	3,330	
1992	121.0	2,000	2,414	38.0	510	194	159	2,608	
1993	142.5	1,730	2,471	42.5	320	138	185	2,609	
1994	155.0	1,930	2,995	40.0	360	145	195	3,140	
1995	135.0	1,830	2,465	30.0	310	93	165	2,558	
1996	120.0	1,850	2,218	5.0	640	32	125	2,250	
1997	100.0	2,120	2,120	20.0	800	100	120	2,280	
1990	143.3	2,210	2,730	 	440	130	155	2,000	
-	1.000		1 000	1 000	3	1.000	1.000	1.000	
	Acres	Bushels	Bushels	Acres	Bushels	Bushels	Acres	Bushels	
1988	26.0	68.0	1,774	34.0	36.0	1,226	60.0	3,000	
1989	33.0	75.0	2,475	22.0	25.0	550	55.0	3,025	
1990	27.0	64.5	1,742	18.0	28.0	508	45.0	2,250	
1991	17.0	76.5	1,298	13.0	38.5	502	30.0	1,800	
1992	16.0	73.0	1,168	10.0	39.0	392	26.0	1,560	
1993	14.0	76.5	1,073	9.0	39.0	353	23.0	1,426	
1994	15.0	79.5	1,190	9.0	28.0	250	24.0	1,440	
1995	20.0	81.5	1,630	13.0	32.0	416	33.0	2,046	
1996	22.0	68.5	1,510	13.0	24.0	310	35.0	1,820	
1997	15.0	91.5	1,370	10.0	33.0	330	25.0	1,700	
1998	16.0	91.0	1,456	9.0	32.5	294	25.0	1,750	

Field Crops: Acreage and production by cropping practice, Colorado, 1988-98

1/ Yield and production, clean basis.

	Irrigated					1	Total		
Year	Acreage	Yield		Acreage	Yield		Acreage		
	harvested	per acre	Production	harvested	per acre	Production	harvested	Production	
		L			All Hay	I		L	
	1.000		1.000	1.000		1 000	1.000	1 000	
	A cres	Tons	Tons	A cres	Tons	Tons	A cres	Tons	
1082	1.070	2 65	2 824	200	1 20	357	1 360	2 176	
1982	1,070	2.05	2,824	370	1.20	457	1,500	3 3 5 7	
1984	1,100	2.65	2,917	333	1.20	394	1,430	3.311	
1985	1,136	2.85	3,255	309	1.25	389	1,445	3,644	
1986	1,084	3.00	3,229	326	1.25	413	1,410	3,642	
1987	1,175	3.10	3,637	325	1.25	407	1,500	4,044	
1988	1,286	2.75	3,526	364	1.20	431	1,650	3,957	
1989	1,155	2.65	3,060	345	1.15	390	1,500	3,450	
1990	1,200	2.80	3,365	350	1.25	440	1,550	3,805	
1991	1,170	3.05	2,221	201	1.55	303 452	1,300	4,002	
1992	1,160	3 30	3,829	240	1.55	364	1,400	4,109	
1994	1,121	3.35	3,777	209	1.35	283	1,330	4,060	
1995	1,174	3.20	3,735	226	1.40	315	1,400	4,050	
1996	1,250	3.05	3,823	260	1.40	357	1,510	4,180	
1997	1,285	3.30	4,236	305	1.65	503	1,590	4,739	
1998	1,150	3.65	4,180	260	1.60	422	1,410	4,602	
					Alfalfa Hay				
1982	625	3.35	2,099	85	1.20	102	710	2,201	
1983	630	3.35	2,110	90	1.35	122	720	2,232	
1984	003 707	3.40	2,237	103	1.25	148	820	2,387	
1985	660	3.00	2,338	110	1.30	140	770	2,700	
1987	700	3.90	2,475	130	1.30	165	830	2,013	
1988	670	3.75	2,526	110	1.15	126	780	2,652	
1989	650	3.50	2,290	100	1.10	110	750	2,400	
1990	650	3.80	2,485	90	1.15	105	740	2,590	
1991	635	4.10	2,601	85	1.60	135	720	2,736	
1992	694	4.05	2,817	86	1.70	147	780	2,964	
1993	765	4.05	3,094	85	1.60	136	850	3,230	
1994	756	4.15	3,153	84	1.45	123	840	3,276	
1995	774	3.80	2,940	76	1.60	120	850	3,060	
1996	790	3.70	2,923	70	1.25	87	860	3,010	
1997	730	4.15	3,140	85 80	1.60	130	840	3,270	
1990	750	4.50	5,200	A1	1.55 Other Hay 1/	122	010	5,402	
1982	445	1.65	725	205	1 20	250	650	975	
1983	470	1.70	790	280	1.20	335	750	1,125	
1984	432	1.55	660	228	1.15	264	660	924	
1985	429	1.60	697	196	1.25	241	625	938	
1986	424	1.80	754	216	1.25	270	640	1,024	
1987	475	1.85	897	195	1.25	242	670	1,139	
1988	616	1.60	1,000	254	1.20	305	870	1,305	
1969	505	1.50	880	245	1.15	335	810	1,050	
1991	535	1.80	956	245	1.50	370	780	1,326	
1992	495	1.85	920	205	1.50	305	700	1,225	
1993	395	1.85	735	155	1.45	228	550	963	
1994	365	1.70	624	125	1.30	160	490	784	
1995	400	2.00	795	150	1.30	195	550	990	
1996	460	1.95	900	190	1.40	270	650	1,170	
1997	530	2.05	1,096	180	1.65	307	/50	1,463	
A 2 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	120	4.40	200	100		500	000	1,200	

Field Crops: Acreage and production by cropping practice, Colorado, 1982-98

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

1998 CROP REVIEW

The combined value of production for small grain, hay, and late season row crops (excluding sugar beets) produced in 1998 totaled \$1.31 billion, down 10 percent from the comparable value of \$1.46 billion for the 1997 crops. Colorado producers had a larger output in 1998 than they did in 1997 for corn grain and silage, sorghum grain, winter and spring wheat, oats, alfalfa hay, dry beans, sunflowers and potatoes. Production was below the previous year for sorghum silage, barley, other hay, and sugar beets.

All hay was the state's leading crop in terms of value with total value of production at \$440.49 million, representing nearly 33 percent of the total value from all crops. The 1998 crop of 4.60 million tons was 3 percent below the 4.74 million tons produced in 1997. The 1998 alfalfa crop was valued at \$318.1 million, representing 72 percent of the all hay value. The other hay crop was valued at \$122.4 million, 21 percent below a year earlier. Hay producers harvested fewer acres than the previous year but realized higher per acre yields while all hay prices averaged less than they did the previous year.

The 1998 corn crop had a value of \$378.6 million and was the second leading crop produced in the state in terms of value of production. Corn for grain contributed \$325.8 million or 25 percent of the total value of all field crops. The 1998 crop of 155.15 million bushels was 8 percent larger than the 1997 crop of 143.08 million bushels. Producers harvested 1,070,000 acres for grain in 1998, up 9 percent from the previous year. The average yield of 145 bushels per acre was 1 bushel under the 1997 average. Corn silage production was up 7 percent from 1997 to 2.40 million tons. Producers harvested the same number of acres as the previous year but averaged higher per acre yields.

The 103.7 million bushels of all wheat produced in 1998 was valued at just under \$269 million, keeping it ranked third in terms of value of production. The value declined 6 percent from \$285.6 million a year earlier. Winter wheat production, at 99.45 million bushels from 2.55 million acres harvested, was 15 percent higher than the 1997 crop. The average yield of 39.0 bushels per acre was equal to the record high first set in 1983 and reached again in 1985. Spring wheat production increased 15 percent as producers harvested 20 percent more acres but experienced a 3 bushel decline in the average yield. Prices for the 1998 crop are expected to average well below the previous year.

The value of production of all potatoes is expected to drop to a total of \$106.9 million for the 1998 crop, down 15 percent from \$126.2 million received from the 1997 crop. All potato production was higher than the previous year, but lower prices were more than offsetting. Fall potato production totaled 25.36 million cwt in 1998, up 1 percent from the 1997 crop. The 1998 summer potato crop of 2.59 million cwt was just slightly above the 1997 as a slightly higher per acre yield offset 100 fewer acres harvested.

Dry bean production increased 26 percent from a year earlier to 2.87 million cwt but lower prices for the 1998 crop were partially offsetting, resulting in a 12 percent increase in total value to \$47.9 million. While no value has yet been determined for the 1998 crop of sugar beets, the 1.30 million tons of beets produced was just slightly below the 1997 output. The 1998 average yield of 22.7 tons per acre was 3.0 tons per acre higher than the 1997 average of 19.7 tons per acre.

Barley production declined 2 percent from 1997 to 9.43 million bushels in 1998 as a new record high yield of 115.0 bushels per acre more than offset a 7,000 acre decline in the acreage harvested. The 1998 crop value of \$27.3 million was down 5 percent from \$28.6 million for the 1997 crop. Sorghum for grain production totaled 10.5 million bushels in 1998, up 76 percent from the 6.00 million bushels produced in 1997. The harvested area increased 23 percent to 185,000 acres and a new record high average yield of 57.0 bushels per acre was 17 bushels above the previous year and 6.0 bushels above the previous record high set in 1996. The 1998 oats production increased 3 percent from the previous year to 1.75 million bushels. Producers harvested the same number of acres as they did the previous year, but per acre yields averaged 2.0 bushels above the 1997 average.

The 1998 output of all sunflowers was valued at \$20.3 million compared with \$10.4 million for the 1997 crop. Sunflower production, at 173.65 million pounds, more than doubled the 1997 crop. Of this total, 124.20 million pounds were from oil varieties and 49.45 million pounds were from non-oil varieties. Growers harvested 92,000 acres of oil varieties, an increase of 45,000 acres from 1997. The acreage of non-oil varieties increased 10,000 acres to 43,000 acres. Per acre yields also averaged higher than the previous year.

Winter wheat seedings for the 1999 crop, at 2.60 million acres, were down 5 percent from the 2.75 million acres seeded for the 1998 crop. Planting began on schedule in most areas with generally favorable moisture supplies for germination and emergence. Winter moisture was limited in most areas but was generally sufficient to maintain favorable prospects. Dry top soils in several areas raised concern for the crop during February and March but early April snow/rain improved prospects. As of May 1, producers were expecting good yields for the 1999 crop.

1998 COLORADO WEATHER SUMMARY IN BRIEF

(Source: Colorado Climate Center, Colorado State University)

January - The month was mostly warm and dry. Scattered precipitation occurred during most of the month in the mountains and western valleys and the northwest quarter of the state received about average precipitation for the month, but the rest of the state remained dry. Temperatures were much above average across the state except for January 7-8 and 21-24 when cooler than average temperatures moved across the state.

February - The mountains and western valleys had the most days with precipitation, but ended the month at average to below average precipitation. The foothills had significant precipitation only during the $16^{th} - 18^{th}$. The Eastern Plains had storms only on the 9^{th} and 10^{th} and again on the 16^{th} and 17^{th} but ended up with above average totals for the month, especially in the northeast corner. Temperatures were above average across the Eastern Plains and western valleys but averaged below average in the southern foothills. Cooler than average temperatures prevailed across the state on the 26^{th} through the 28^{th} .

March - Precipitation was mostly average to above average for much of the state, but the northeast was drier than average for the month. There were three periods of precipitation during the month: March 4-8 in the mountains and western valleys and in the foothills on the 7th; March 16-19 in the foothills and across the Eastern Plains; and at the end of the month mostly in the mountains and western valleys with a little along the foothills. Temperatures were generally cooler than average during the first half of the month and warmer than average during the last half.

April - The foothills received up to two times the average precipitation for the month while the rest of the state was average to dry. The northwest, southwest and north had less than 50 percent of average; the central mountains had up to 150 percent; and portions of the southeast had more than double the average precipitation. Temperatures were average to cool across the state for most of the month, except the mountains which were about average overall.

May - May was very warm and dry across most of the state with several stations reporting no precipitation and about half of the stations reporting fewer than five days with measurable moisture. Some areas of the North Eastern Plains received average precipitation for the month, but most of the state received less than 50 percent of their average precipitation. Temperatures averaged 2 to 4 degrees above average for most of the state.

June - The northwest corner of the state received twice the average amount of precipitation during the month while the southern half of the state was very dry, with most stations reporting less than half the average amount of precipitation for the month. It was quite wet in the northern mountains where some stations recorded 15 days with measurable precipitation. Temperatures in the northwest corner were more than 4 degrees below average and the rest of the state about 2 degrees below average. It was cooler than average for most of the month but warmer during the last week. July - Portions of the Eastern Plains and western valleys had more than twice the average amount of precipitation during the month and most other areas of the state also received significant moisture. There was precipitation every day of the month somewhere in the state. Widespread storms occurred July 7-11 and from the 22nd to the end of the month. Temperatures for the month were more than 2 degrees above average in the mountains and slightly above average in most other areas except the southwest which averaged slightly below average.

August - The Eastern Plains were mostly cool and wet while the western valleys were very dry and warm. The southeast area of the state had twice as much rain as normal, but the northeast area and the mountain valleys received less than half the average amount of precipitation. Temperatures were warm in the west and cool in the east. The first half of the month was cool across the state, especially the Eastern Plains. The second half was warmer than average except for the Eastern Plains which remained cool. The western half of the state was about 2 degrees warmer than average for the month.

September - Some scattered areas of the state averaged more than the average amount of precipitation for the month, but most of the state was dry and warm during September. Most of the precipitation was recorded on just a few days of the month, but there was small amounts of scattered precipitation on most days of the month. Temperatures were uniformly 4-6 degrees above average all month long.

October - Most of the state was wetter than average except for a small area of the foothills which received less than average precipitation. Much of the southern half of the state received two times the average precipitation and the southeast corner and a small portion of the northeast received more than four times the average amount of rain. Widespread precipitation occurred for the first five days; it was dry across the state for the next ten days; and then wet again during the last 6 days of the month. Temperatures were average to 2 degrees above average across most of the state while the northeast corner was slightly below average.

November - Precipitation was above average for about half of the state during November. The Eastern Plains were fairly wet, receiving two times the average precipitation while the northwest corner was below 50 percent of average. Wet days across the state were November 1-3 and 7-10. After the 11th, it was dry across the state for the rest of the month. Temperatures were warmer than normal for the month as a whole as a cooler than average first half of the month was more than offset by a warmer than normal second half.

December - December was very dry. Large portions of the state received less than half the average amount of precipitation and only isolated areas received average amounts while up to two times the average amount of precipitation occurred over an area north of Greeley east to Sterling. Temperatures varied across the state. Very warm days early in the month more than offset several days of sub-zero temperatures toward the end of the month.

Field Crops: Acreage, production and value, Colorado, 1997-98 Yield Total Value Total Acreage Acreage harvested production Unit per unit value planted per acre Year and Crop 1,000 **Dollars** Dollars 1997 Acres Unit Units Acres 285.580 All wheat 2,750,000 32.8 90,100,000 Bu 3.17 3,053,000 3.17 273,888 Winter wheat 3,000,000 2,700,000 32.0 86,400,000 Bu 74.0 3,700,000 Bu 3.16 11,692 53,000 50.000 Spring wheat 457.907 1,090,000 ---Corn, all purposes -------------2.59 146.0 143,080,000 Bu 370.577 980.000 Corn for grain -Corn for silage 24.00 54,000 100.000 22.5 2,250,000 Tons 17.631 190.000 Sorghum, all purposes 150.000 40.0 6,000,000 Bu 2.19 13,140 Sorghum for grain ----18,000 13.0 234,000 Tons 21.50 5,031 Sorghum for silage ---2.98 28,644 95,000 89.000 108.0 9,612,000 Bu Barley Oats 70,000 25,000 68.0 1,700,000 Bu 2.05 3,485 2,000 27.0 54,000 Bu 3.30 178 Rye 28,000 19.00 Cwt 18.70 42.636 135,000 120,000 2.280,000 34.10 19.7 1,308,000 Tons 44,603 Sugar beets 67,900 66,400 Sunflowers 85,000 80,000 1.076 86,100,000 Lbs 12.30 2/ 10,395 Lbs 10.902/ 6,148 Oil varieties 50,000 47,000 1.200 56,400,000 33,000 900 29,700.000 Lbs 14.30 2/ 4,247 Non-Oil varieties 35,000 2.98 485,954 1,590,000 4,739,000 Tons 101.00 All hay ---Alfalfa hay 840,000 3.90 3,276,000 Tons 101.00 330,876 ---All other hay 750,000 1.95 1,463,000 Tons 106.00 155,078 ---84,500 326 27,577,000 Cwt 4.60 126,164 All potatoes 84.800 340 Cwt 5.30 Summer potatoes 7,800 7,600 2,584,000 13,695 Fall potatoes 77,000 76,900 325 24,993,000 Cwt 4.50 112,469 Total field crops 6,054,900 ---1,503,177 -------------1,000 1998 **Dollars** Dollars Acres Acres Unit Units 2.812.000 All wheat 2,610,000 39.7 103,710,000 Bu 2.60 268,794 Winter wheat 2.750.000 2,550,000 39.0 99.450.000 Bu 2.60 258,570 2.4010,224 Spring wheat 62,000 60,000 71.0 4,260,000 Bu 1,180,000 378,615 Corn, all purposes 2.10 Corn for grain 1,070,000 145.0 155,150,000 Bu 325,815 22.00 Corn for silage 100.000 24.02,400,000 Tons 52,800 ----200,000 21,457 Sorghum, all purposes ------------------Sorghum for grain 185,000 57.0 10.545.000 Bu 1.75 18,454 ----Sorghum for silage 11,000 13.0 143,000 Tons 21.00 3,003 ---Barley 82.000 Bu 2.90 27,347 90.000 115.0 9.430.000 90,000 25.000 70.0 1.750.000 Bu 1.70 2,975 Oats 1.80 Rye 33,000 3,000 28.0 84,000 Bu 151 Cwt 16.70 47,896 170,000 155,000 18.50 2,868,000 Sugar beets 62,500 57,300 22.7 1,301,000 Tons <u>3</u>/ <u>3</u>/ Sunflowers 145,000 135,000 1,286 173,650,000 Lbs 11.80 2/ 20.311 Oil varieties 100,000 92,000 1,350 124,200,000 Lbs 10.70 2/ 13,289 14.20 <u>2</u>/ Non-Oil varieties Lbs 45,000 43,000 1,150 49,450,000 7,022 All hay 1,410,000 3.26 4,602,000 Tons 94.00 440,487 ---Alfalfa hay 4.20 Tons 93.50 318,087 ---810,000 3,402,000 102.00 122,400 All other hay 600,000 2.00 Tons ---1,200,000 All potatoes 83,500 83,200 336 27,948,000 Cwt 3.80 106,901 Cwt 5.05 13,069 Summer potatoes 7.700 7.500 345 2,588,000 Fall potatoes 75,800 335 Cwt 3.70 93,832 75,700 25,360,000 Total field crops 5,926,500 1,314,934 4/ ------

1/ Yield, production, price, and value on clean basis. 2/ Dollars per hundredweight. 3/ Available February 2000. 4/ Total excluding sugar beets.

WINTER WHEAT Average Yield 1986 - 98

Bushels Per Acre



Winter Wheat: Acreage and production by county and district, Colorado, 1997

			Irrigated		N	on-Irrigate	d		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee										
Clear Creek		•••								
Eagle		•••					•••	•••		
Gilpin								•••		
Grand							•••			
Gunnison										
Jackson			•••							
Lake	•••	•••			•••				•••	
Moffat	23,000				22,000	28.0	615,000	22,000	28.0	615,000
Park										
Pitkin						•••				
Rio Blanco	3,100		***		3,000	25.0	75,000	3,000	25.0	75,000
Routt	11,900				10,000	26.0	260,000	10,000	26.0	260,000
Summit										
Teller										
NW & Mountain	38,000	***	***	***	35,000	27.0	950,000	35,000	27.0	950,000
Boulder	7,000	2,000	80.0	160,000	5,000	38.0	190,000	7,000	50.0	350,000
Jefferson										•••
Larimer	14,500	2,500	60.0	150,000	9,500	34.5	330,000	12,000	40.0	480,000
Logan	165,000	9,000	52.0	470,000	143,000	29.0	4,130,000	152,000	30.5	4,600,000
Morgan	81,000	12,000	62.5	750,000	54,000	32.0	1,720,000	66,000	37.5	2,470,000
Sedgwick	91,000	4,500	58.0	260,000	66,500	33.5	2,240,000	71,000	35.0	2,500,000
Weld	190,500	23,000	57.0	1,310,000	144,000	30.5	4,390,000	167,000	34.0	5,700,000
Northeast	549,000	53,000	58.5	3,100,000	422,000	31.0	13,000,000	475,000	34.0	16,100,000

			Irrigated		N	on-lrrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	per	duc-	har-	per	duc-	har-	per	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	243 000	3 000	53.5	160.000	222.000	34.5	7 640 000	225.000	34.5	7 800 000
Aranahoe	86,000	1,000	50.0	50,000	74,000	26.5	1,950,000	75,000	26.5	2 000 000
Chevenne	204,000	4 000	65.0	260,000	176,000	20.5	4 740 000	180,000	28.0	5,000,000
Denver	204,000	4,000	05.0	200,000	170,000	27.0	4,740,000	100,000	20.0	5,000,000
Douglas	3 000	•••	•••	•••	3.000	25.0	75.000	3.000	25.0	75 000
Elbert	49.000				40.000	25.0	1.000.000	40.000	25.0	1.000.000
El Paso	4,500	1,500	53.5	80,000	2,500	28.0	70,000	4,000	37.5	150,000
Kiowa	198,500	3,500	51.5	180,000	186,500	29.5	5,520,000	190,000	30.0	5,700,000
Kit Carson	328,500	33,000	63.0	2,080,000	267,000	30.5	8,120,000	300,000	34.0	10,200,000
Lincoln	190,500	500	50.0	25,000	159,500	24.5	3,875,000	160,000	24.5	3,900,000
Phillips	140,000	5,000	55.0	275,000	125,000	34.5	4,310,000	130,000	35.5	4,585,000
Washington .	365,000	10,000	57.5	575,000	320,000	32.5	10,425,000	330,000	33.5	11,000,000
Yuma	178,000	16,500	67.5	1,115,000	146,500	32.5	4,775,000	163,000	36.0	5,890,000
East Central	1,990,000	78,000	61.5	4,800,000	1,722,000	30.5	52,500,000	1,800,000	32.0	57,300,000
Archuleta										
Delta	600	500	100.0	50,000				500	100.0	50,000
Dolores	18,700	200	75.0	15,000	17,800	23.5	415,000	18,000	24.0	430,000
Garfield	1,500	300	83.5	25,000	1,200	21.0	25,000	1,500	33.5	50,000
Hinsdale			•••			•••				•••
La Plata	4,200				4,000	29.0	115,000	4,000	29.0	115,000
Mesa	5,200	5,000	101.0	505,000				5,000	101.0	505,000
Montezuma	10,500	1,500	93.5	140,000	8,500	24.5	210,000	10,000	35.0	350,000
Montrose	1,600	1,500	110.0	165,000				1,500	110.0	165,000
Ouray			•••	•••	•••			•••		
San Juan		•••		•••						
San Miguel	4,700				4,500	19.0	85,000	4,500	19.0	85,000
Southwest	47,000	9,000	100.0	900,000	36,000	23.5	850,000	45,000	39.0	1,750,000
Alamosa	1,200	1,200	91.5	110,000				1,200	91.5	110,000
Conejos			•••		•••	•••	•••		•••	•••
Costilla	800	800	106.5	85,000		•••	•••	800	106.5	85,000
Mineral					•••		•••			
Rio Grande	1,300	1,300	100.0	130,000	•••	•••	•••	1,300	100.0	130,000
Saguache	1,700	1,700	103.0	175,000		***		1,700	103.0	175,000
San Luis valley	5,000	5,000	100.0	500,000	•••	***	***	5,000	100.0	500,000
Baca	203,500	23,500	46.0	1,080,000	161,500	22.0	3,520,000	185,000	25.0	4,600,000
Bent	10,600	4,500	58.0	260,000	5,500	25.5	140,000	10,000	40.0	400,000
Crowley	2,200				2,000	30.0	60,000	2,000	30.0	60,000
Custer					•••	•••				
Fremont				•••		••••				
Huerfano										
Las Animas	8,000	•••			6,000	20.0	120,000	6,000	20.0	120,000
Otero	4,100	4,000	70.0	280,000	•••			4,000	70.0	280,000
Prowers	139,500	12,500	50.5	630,000	117,500	30.5	3,600,000	130,000	32.5	4,230,000
Pueblo	3,100	500	100.0	50,000	2,500	24.0	60,000	3,000	36.5	110,000
Southeast	371,000	45,000	51.0	2,300,000	295,000	25.5	7,500,000	340,000	29.0	9,800,000
State Total	3,000,000	190,000	61.0	11,600,000	2,510,000	30.0	74,800,000	2,700,000	32.0	86,400,000

Winter Wheat: Acreage and production by county and district, Colorado, 1997, continued



Winter Wheat: Production by County, Colorado, 1998 with Ranking of First Five Counties

Winter Wheat: Acreage and production by county and district, Colorado, 1998

			Irrigated		N	on-Irrigate	d		Total			
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion		
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.		
Chaffee												
Clear Creek								•••				
Eagle								•••				
Gilpin												
Grand												
Gunnison		•••	**/				•••	•••				
Jackson							•/•					
Lake						•••						
Moffat	19,600				19,000	28.5	545,000	19,000	28.5	545,000		
Park	•••	•••	•••	•••								
Pitkin						•••		•••				
Rio Blanco	2,000	•••	•••	***	2,000	17.5	35,000	2,000	17.5	35,000		
Routt	9,400	•••	•••	•••	9,000	22.0	200,000	9,000	22.0	200,000		
Summit	<i>/</i> ··								•••			
Teller												
NW & Mountain	31,000	***		***	30,000	26.0	780,000	30,000	26.0	780,000		
Boulder	10,300	1,800	94.5	170,000	8,200	36.5	300,000	10,000	47.0	470,000		
Jefferson										•••		
Larimer	17,200	1,700	56.0	95,000	13,300	35.5	470,000	15,000	37.5	565,000		
Logan	169,700	4,500	66.5	300,000	155,500	36.0	5,600,000	160,000	37.0	5,900,000		
Morgan	90,000	14,000	70.0	980,000	66,000	32.0	2,100,000	80,000	38.5	3,080,000		
Sedgwick	94,300	4,000	84.0	335,000	86,000	47.5	4,100,000	90,000	49.5	4,435,000		
Weld	188,500	17,000	77.5	1,320,000	153,000	29.5	4,530,000	170,000	34.5	5,850,000		
Northeast	570,000	43,000	74.5	3,200,000	482,000	35.5	17,100,000	525,000	38.5	20,300,000		

			Irrigated		N	on-Irrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	рег	duc-	har-	рег	duc-	har-	рег	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	101 300	3 000	63.5	190.000	177 000	32.5	5 740 000	180.000	33.0	5 930 000
Arapahoe	57 500	500	10.0	20,000	54 500	32.0	1 750 000	55,000	32.0	1,770,000
Chevenne	158 500	4 500	53.5	240,000	145 500	42.0	6 100 000	150,000	42.5	6 340 000
Denver	150,500	4,500	55.5	240,000	145,500	72.0	0,100,000	150,000	-2.5	0,540,000
Douglas	3 100	•••		•••	3.000	26.5	 80.000	3.000	26.5	 80.000
Elbert	38 400	***		•••	34 000	29.0	980,000	34 000	29.0	980,000
El Paso	3,500	1.000	60.0	60.000	2.000	25.0	50.000	3.000	36.5	110,000
Kiowa	199.000	2,000	70.0	140.000	188,000	49.0	9.200.000	190.000	49.0	9.340.000
Kit Carson	300.200	30.000	58.0	1.740.000	250.000	39.0	9,800,000	280.000	41.0	11.540.000
Lincoln	171,500	1,500	40.0	60,000	158,500	34.5	5,500,000	160,000	35.0	5,560,000
Phillips	128,500	3,500	70.0	245,000	116,500	45.5	5,300,000	120,000	46.0	5,545,000
Washington .	338,000	7,500	53.5	400,000	302,500	33.5	10,100,000	310,000	34.0	10,500,000
Yuma	170,500	11,500	67.5	775,000	133,500	33.0	4,400,000	145,000	35.5	5,175,000
East Central	1,760,000	65,000	59.5	3,870,000	1,565,000	37.5	59,000,000	1,630,000	38.5	62,870,000
Archuleta										
Delta	300	300	106.5	32,000				300	106.5	32,000
Dolores	14,900	200	60.0	12,000	13,800	14.5	200,000	14,000	15.0	212,000
Garfield	1,300	300	60.0	18,000	900	23.5	21,000	1,200	32.5	39,000
Hinsdale		•••								
La Plata	3,000	***			2,500	24.0	60,000	2,500	24.0	60,000
Mesa	4,000	4,000	112.5	450,000				4,000	112.5	450,000
Montezuma	6,300	1,200	54.0	65,000	4,800	37.0	177,000	6,000	40.5	242,000
Montrose	1,000	1,000	83.0	83,000	•••			1,000	83.0	83,000
Ouray									•••	•••
San Juan			•••	•••						
San Miguel	3,200				3,000	20.5	62,000	3,000	20.5	62,000
Southwest	34,000	7,000	94.5	660,000	25,000	21.0	520,000	32,000	37.0	1,180,000
Alamosa	600	600	100.0	60,000				600	100.0	60,000
Conejos					•••	•••				
Costilla	600	600	91.5	55,000	•••	•••	•••	600	91.5	55,000
Pio Grando										
Saguacha	1 000	1 000	112.5	90,000				800	112.5	90,000
Saguache	3,000	3,000	115.0	320,000		•••	•••	1,000	106.5	115,000
San Luis Vaney	3,000	3,000	100.5	320,000	***	***	***	3,000	106.5	320,000
Baca	194,000	21,000	66.5	1,400,000	159,000	32.5	5,200,000	180,000	36.5	6,600,000
Bent	7,100	3,000	75.0	225,000	4,000	45.0	180,000	7,000	58.0	405,000
Crowley	4,500		•••		4,000	30.0	120,000	4,000	30.0	120,000
Custer			***						•••	
Fremont										
Huerfano									•••	
Las Animas	4,100	•••		•••	4,000	20.0	80,000	4,000	20.0	80,000
Otero	6,000	6,000	83.5	500,000				6,000	83.5	500,000
Prowers	132,000	11,500	73.0	840,000	113,500	46.0	5,240,000	125,000	48.5	6,080,000
Pueblo	4,300	500	70.0	35,000	3,500	51.5	180,000	4,000	54.0	215,000
Southeast	352,000	42,000	71.5	3,000,000	288,000	38.0	11,000,000	330,000	42.5	14,000,000
State Total	2,750,000	160,000	69.0	11,050,000	2,390,000	37.0	88,400,000	2,550,000	39.0	99,450,000

Winter Wheat: Acreage and production by county and district, Colorado, 1998, continued

SPRING WHEAT Average Yield 1986 - 98

Bushels Per Acre



Spring Wheat: Acreage and production by county and district, Colorado, 1997

			Irrigated		N	lon-Irrigate	ed		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee										
Eagle		•••	•••	•••	•••					
Gilpin										
Grand										
Gunnison										
Jackson										
Lake										•••
Moffat	500		•••	•••	500	14.0	7,000	500	14.0	7,000
Park							•••		•••	
Pitkin										
Rio Blanco	400				400	22.5	9,000	400	22.5	9,000
Routt	500		•••		400	25.0	10,000	400	25.0	10,000
Summit			•••				•••			
Teller						•••		••••		•••
NW & Mountain	1,400	***	***	•••	1,300	20.0	26,000	1,300	20.0	26,000
Boulder	400				300	13.5	4,000	300	13.5	4,000
Jefferson										
Larimer	1,300	1,200	55.0	66,000		•••		1,200	55.0	66,000
Logan	1,600	700	40.0	28,000	600	13.5	8,000	1,300	27.5	36,000
Morgan	1,100	500	80.0	40,000	500	14.0	7,000	1,000	47.0	47,000
Sedgwick									•••	
Weld	4,300	3,000	45.5	136,000	1,000	15.0	15,000	4,000	38.0	151,000
Northeast	8,700	5,400	50.0	270,000	2,400	14.0	34,000	7,800	39.0	304,000

			Irrigated		N	on-lrrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	per	duc-	har-	per	duc-	har-	per	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	1.600	600	36.5	22.000	900	16.5	15.000	1.500	24.5	37.000
Aranahoe	1,000	000	50.5	22,000	200	10.5	15,000	1,500	24.5	57,000
Chevenne		•••	***	***	***	•••	•••	•••	•••	
Denver		•••	***	***	***	• • •	•••		•••	•••
Douglas	500	•••	***	•••	400	15.0	6.000	400	15.0	6.000
Flbert	700		•••	***	600	15.0	9,000	400 600	15.0	9,000
El Paso	/ ///	•••	***	•••	000	10.0	2,000	000	15.0	2,000
Kiowa	700	***	***		500	14.0	7.000	500	14.0	7.000
Kit Carson	200	200	40.0	8.000	200	11.0	7,000	200	40.0	8,000
Lincoln	200	200		0,000			•••	200	10.0	0,000
Phillips	400				300	16.5	5.000	300	16.5	5 000
Washington .	500				400	20.0	8,000	400	20.0	8,000
Yuma	400	300	40.0	12.000			0,000	300	40.0	12,000
East Central	5,000	1,100	38.0	42,000	3,100	16.0	50,000	4,200	22.0	92,000
Archuleta										
Delta	300	300	80.0	24,000				300	80.0	24.000
Dolores	1,300	300	70.0	21,000	1,000	15.0	15,000	1,300	27.5	36,000
Garfield				•••						
Hinsdale	***									
La Plata	300	300	60.0	18,000				300	60.0	18,000
Mesa	200	200	90.0	18,000				200	90.0	18,000
Montezuma	400	400	77.5	31,000				400	77.5	31,000
Montrose	900	500	96.0	48,000	200	15.0	3,000	700	73.0	51,000
Ouray										
San Juan				•••	•••					
San Miguel								***		
Southwest	3,400	2,000	80.0	160,000	1,200	15.0	18,000	3,200	55.5	178,000
Alamosa	8,000	7,300	88.5	645,000				7.300	88.5	645.000
Conejos	2,500	2,400	89.5	215,000				2,400	89.5	215.000
Costilla	4,200	4,100	86.5	355,000				4,100	86.5	355,000
Mineral										
Rio Grande	9,400	9,300	96.0	895,000				9,300	96.0	895,000
Saguache	10,400	10,400	95.0	990,000				10,400	95.0	990,000
San Luis Valley	34,500	33,500	92.5	3,100,000		***	***	33,500	92.5	3,100,000
Baca							•••	•••		
Bent										•••
Crowley										
Custer										
Fremont										
Huerfano										
Las Animas										
Otero		* * *			•••					
Prowers							•••			***
Pueblo										
Soutneast	***	•••	•••	•••	•••		***	***	***	•••
State Total	53,000	42,000	85.0	3,572,000	8,000	16.0	128,000	50,000	74.0	3,700,000

Spring Wheat: Acreage and production by county and district, Colorado, 1997, continued



Spring Wheat: Production by County, Colorado, 1998 with Ranking of First Five Counties

Spring Wheat: Acreage and production by county and district, Colorado, 1998

			Irrigated		N	on-Irrigate	d		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee										
Clear Creek										
Eagle								•••		•••
Gilpin	/									
Grand										
Gunnison										
Jackson				/						
Lake										
Moffat	1,300				1,300	32.5	42,000	1,300	32.5	42,000
Park										
Pitkin			/							
Rio Blanco	600				500	26.0	13,000	500	26.0	13,000
Routt	1,200				1,200	29.0	35,000	1,200	29.0	35,000
Summit		•••		•••						
Teller		•••			•••					•••
NW & Mountain	3,100	***	•••	•••	3,000	30.0	90,000	3,000	30.0	90,000
Bouldcr	700	500	80.0	40,000	200	35.0	7,000	700	67.0	47,000
Jeffcrson					•••					
Larimer	1,000	1,000	60.0	60,000	•••		•••	1,000	60.0	60,000
Logan	1,000	800	50.0	40,000	200	35.0	7,000	1,000	47.0	47,000
Morgan	1,400	1,200	60.0	72,000	200	50.0	10,000	1,400	58.5	82,000
Scdgwick						•/•				
Weld	4,900	4,500	77.5	348,000	400	40.0	16,000	4,900	74.5	364,000
Northeast	9,000	8,000	70.0	560,000	1,000	40.0	40,000	9,000	66.5	600,000

			lrrigated		N	on-Irrigate	d	Total			
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-	
and	Acreage	har-	per	duc-	har-	per	duc-	har-	per	duc-	
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion	
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.	
Adams	1 200	400	65.0	26.000	700	40.0	28.000	1 100	40.0	54,000	
Arapahoe	15,000	400	05.0	20,000	15 000	21.5	320,000	1,100	21.5	320,000	
Chavenne	15,000		•••		15,000	21.3	520,000	15,000	21.3	520,000	
Denver		•••	•••				•••	• •••		***	
Denver		•••	•••	•••	300	30.0	0.000	300	30.0		
Flbert	600	•••	•••	***	500	36.0	18,000	500	36.0	18,000	
Fl Paso	000		•••	***	500	50.0	18,000	500	50.0	18,000	
Kiowa	700	•••	•••	•••	500	30.0	15,000	500	30.0	15,000	
Kit Carson	100	***	•••		500	50.0	15,000	500	50.0	15,000	
Lincoln	***	***	•••	•••		•••	•••	••••	•••	***	
Phillips	300	***		•••	•••		•••	••••		***	
Washington	900	600	40.0	24 000		•••	•••	600	40.0	24.000	
Yuma	,	000	10.0	21,000		•••	•••	000	40.0	24,000	
East Central	19,100	1,000	50.0	50,000	17,000	23.0	390,000	18,000	24.5	440,000	
Archuleta											
Delta	500	400	75.0	30,000				400	75.0	30,000	
Dolores	1,100	200	60.0	12,000	800	10.0	8,000	1,000	20.0	20,000	
Garfield	•••		•••								
Hinsdale											
La Plata	500	400	65.0	26,000				400	65.0	26,000	
Mesa	300	200	80.0	16,000		•••		200	80.0	16,000	
Montezuma	500	400	80.0	32,000			•••	400	80.0	32,000	
Montrose	900	400	85.0	34,000	200	10.0	2,000	600	60.0	36,000	
Ouray	•••										
San Juan		•••									
San Miguel		•••			•••						
Southwest	3,800	2,000	75.0	150,000	1,000	10.0	10,000	3,000	53.5	160,000	
Alamosa	5,000	5,000	116.0	580,000				5,000	116.0	580.000	
Conejos	2,000	2,000	105.0	210,000				2,000	105.0	210.000	
Costilla	3,700	3,700	116.0	430,000				3,700	116.0	430,000	
Mineral											
Rio Grande	7,700	7,700	110.5	850,000				7,700	110.5	850,000	
Saguache	8,600	8,600	104.5	900,000	•••			8,600	104.5	900,000	
San Luis Valley	27,000	27,000	110.0	2,970,000	***	***	•••	27,000	110.0	2,970,000	
Baca		•••									
Bent				•••				•••			
Crowley				•••			* * *	•••		•••	
Custer	••••		***	•••	•••	•••	***	•••	•••	•••	
Fremont											
Huertano											
Las Animas		•••		•••							
Diero				•••				- • •			
Prowers	••••			•••	•••						
Southeast	•••										
	***		***	•••	•••	000	***	•••	***	•••	
State Total	62,000	38,000	98.0	3,730,000	22,000	24.0	530,000	60,000	71.0	4,260,000	

Spring Wheat: Acreage and production by county and district, Colorado, 1998, continued

CORNFOR GRAIN Average Yield 1986 - 98



Corn for Grain: Acreage and production by county and district, Colorado, 1997

			Irrigated		N	on-Irrigate	d	Total			
County and District	Acreage planted <u>1</u> /	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.	
Chaffee								***	•••		
Clear Creek					•••			•••			
Eagle										•••	
Gilpin											
Grand		•••		•••							
Gunnison		•••		***	•••						
Jackson											
Lake											
Moffat											
Park											
Pitkin			•••								
Rio Blanco			•••						•••	•••	
Routt		•••		•••			•••				
Summit			•••				•••				
Teller		•••		•••	•••	•••	•••				
NW & Mountain	***	•••	***	***	•••	•••	***			•••	
Boulder	6,800	6,000	149.0	895,000				6,000	149.0	895,000	
Jefferson		•••								•••	
Larimer	21,000	16,000	145.0	2,320,000				16,000	145.0	2,320,000	
Logan	74,200	50,000	147.0	7,340,000	19,000	79.0	1,500,000	69,000	128.0	8,840,000	
Morgan	83,700	71,000	158.0	11,205,000	4,000	50.0	200,000	75,000	152.0	11,405,000	
Sedgwick	50,800	36,000	145.0	5,215,000	13,000	66.5	865,000	49,000	124.0	6,080,000	
Weld	170,500	121,000	155.0	18,725,000	4,000	34.0	135,000	125,000	151.0	18,860,000	
Northeast	407,000	300,000	152.5	45,700,000	40,000	67.5	2,700,000	340,000	142.5	48,400,000	

 $\underline{1}$ Planted for all purposes.

			Irrigated		N	on-Irrigate	d	Total			
County	Acreage	Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-	
and	planted	har-	per	duc-	har-	per	duc-	har-	per	duc-	
District	<u>1</u> /	vested	acre	tion	vested	acre	tion	vested	acre	tion	
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.	
Adams	14,500	6,000	136.0	815,000	8,000	46.5	370,000	14,000	84.5	1,185,000	
Arapahoe	1,400	1,000	140.0	140,000				1,000	140.0	140,000	
Cheyenne	16,800	13,000	144.5	1,880,000	3,000	50.0	150,000	16,000	127.0	2,030,000	
Denver				•••				••••	•••		
Douglas					•••		•••	••••		•••	
Elbert	400			• • •	•••		•••	•••	•••	•••	
El Paso	400										
Kiowa	2,900	1,500	160.0	240,000	1,000	60.0	60,000	2,500	120.0	300,000	
Kit Carson	108,800	85,000	169.0	14,380,000	15,000	73.5	1,100,000	100,000	155.0	15,480,000	
Lincoln	5,800	1,500	156.5	235,000	4,000	56.5	225,000	5,500	83.5	460,000	
Phillips	115,100	75,000	158.5	11,900,000	38,000	64.0	2,435,000	113,000	127.0	14,335,000	
Washington .	54,000	28,000	166.0	4,650,000	22,000	55.5	1,225,000	50,000	117.5	5,875,000	
Yuma	231,900	213,000	1/5.5	37,360,000	15,000	02.5	935,000	228,000	108.0	38,295,000	
East Central	552,000	424,000	169.0	/1,600,000	106,000	01.5	0,500,000	530,000	147.5	78,100,000	
Archuleta											
Delta	6,200	4,000	172.5	690,000				4,000	172.5	690,000	
Dolores	400							•••		•••	
Garfield			•••	•••					•••		
Hinsdale									•••		
La Plata	300			•••	•••		•••			•••	
Mesa	9,600	7,000	141.5	990,000	•••		•••	7,000	141.5	990,000	
Montezuma	1,400	1,000	200.0	200,000				1,000	200.0	200,000	
Montrose	13,100	9,000	169.0	1,520,000				9,000	169.0	1,520,000	
Ouray	•••	•••	•••			•••	•••			•••	
San Juan			•••								
Southwest	31 000	21 000	162.0	3 400 000			•••	21.000	162.0		
Southwest	51,000	21,000	102.0	5,400,000	0.0.0	***	***	21,000	102.0	5,400,000	
Alamosa											
Conejos		••••							•••		
Costilla	•••		•••		•••	•••			•••		
Mineral		***	•••	***	* * *	•••	•••	•••	•••		
Kio Grande		•••	•••		•••	•••			•••	•••	
Saguache		•••	•••	•••		•••			•••		
San Luis Valley	***		***	***	***	***	***	499	***	***	
Baca	26.500	23,600	154.0	3,630.000	2.400	44.0	105.000	26.000	143.5	3,735.000	
Bent	15,000	11.000	139.0	1.530.000	_,			11.000	139.0	1,530,000	
Crowley	5,000	4,000	135.0	540,000				4,000	135.0	540,000	
Custer											
Fremont											
Huerfano											
Las Animas	1,100	500	130.0	65,000				500	130.0	65,000	
Otero	21,900	19,500	158.5	3,095,000	500	46.0	23,000	20,000	156.0	3,118,000	
Prowers	23,000	20,000	147.0	2,940,000	500	50.0	25,000	20,500	144.5	2,965,000	
Pueblo	7,500	6,400	187.5	1,200,000	600	45.0	27,000	7,000	175.5	1,227,000	
Southeast	100,000	85,000	153.0	13,000,000	4,000	45.0	180,000	89,000	148.0	13,180,000	
State Total	1,090,000	830,000	161.0	133,700,000	150,000	62.5	9,380,000	980,000	146.0	143,080,000	
1/ Diseased Concell											

Corn for Grain: Acreage and production by county and district, Colorado, 1997, continued

1/ Planted for all purposes.



Corn for Grain: Production by County, Colorado, 1998 with Ranking of First Five Counties

Corn for Grain: Acreage and production by county and district, Colorado, 1998

			Irrigated		N	Ion-Irrigate		Total		
County and District	Acreage planted <u>1</u> /	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee										
Clear Creek										
Eagle		•••			•••					***
Gilpin								•••	•••	
Grand			•••	•••					•••	
Gunnison					•••	•••	•••			
Jackson										
Lake									•••	•••
Moffat									•••	•••
Park					•••				•••	•••
Pitkin									•••	•••
Rio Blanco								•••		•••
Routt		•••	•••	•••	•••			***		• • •
Summit			•••					***	•••	• • •
Teller				•••		•••				•••
NW & Mountain	•••	***			•••	***	***	•••	***	
Boulder	6,000	5,000	148.0	740,000				5,000	148.0	740,000
Jefferson		•••						***	•••	•••
Larimer	19,800	12,000	145.0	1,740,000	3,000	46.5	140,000	15,000	125.5	1,880,000
Logan	81,900	51,000	149.0	7,590,000	24,000	65.5	1,570,000	75,000	122.0	9,160,000
Morgan	86,800	70,000	159.5	11,150,000	5,000	52.0	260,000	75,000	152.0	11,410,000
Sedgwick	56,800	41,000	158.0	6,480,000	14,000	64.5	900,000	55,000	134.0	7,380,000
Weld	162,100	106,000	155.5	16,500,000	9,000	40.0	360,000	115,000	146.5	16,860,000
Northeast	413,400	285,000	155.0	44,200,000	55,000	58.5	3,230,000	340,000	139.5	47,430,000
1/ Planted for all	nurnoses									

Irrigated Non-Irrigated Total Yield Pro-Acreage Pro-Yield County Acreage Yield Acreage Pro-Acreage and planted harper ducharper ducharрег duc-District <u>1</u>/ vested acre tion vested асте tion vested acre tion Acres Acres Bu. Bu. Acres Bu. Bu. Acres Bu. Bu. 1,590,000 Adams 15,500 10,000 159.0 5,000 50.0 250,000 15,000 122.5 1,840,000 Arapahoe ... 2,900 500 140.0 70,000 2,000 70.0 140,000 2,500 84.0 210,000 24,300 152.0 13,000 90.0 24,000 118.5 Cheyenne ... 11,000 1,670,000 1,170,000 2,840,000 Denver Douglas 1,000 1,000 60.0 60,000 1,000 60.0 60,000 Elbert El Paso Kiowa 8,500 1,500 173.5 260.000 7,000 75.5 530,000 8,500 93.0 790,000 87.0 Kit Carson ... 20,150,000 40,000 152.5 160,000 115,000 175.0 3,480,000 155,000 23,630,000 Lincoln 11.000 2.000 180.0 360.000 9,000 70.0 630.000 11.000 90.0 990,000 Phillips 110,100 65,000 165.5 10,750,000 43,000 67.5 2,900,000 108,000 126.5 13,650,000 Washington . 163.0 3,750,000 37,000 57.0 2,100,000 97.5 64,600 23,000 60,000 5,850,000 Yuma 234,700 207,000 178.5 37,000,000 23,000 58.5 1,350,000 230,000 166.5 38,350,000 **East Central** 632,600 435,000 174.0 75,600,000 180,000 70.0 12,610,000 615,000 143.5 88,210,000 Archuleta ... Delta 5,200 3,000 176.5 530,000 3,000 176.5 530,000 500 Dolores Garfield Hinsdale La Plata Mesa 9,100 6,000 148.5 890,000 6,000 148.5 890,000 Montezuma . . 180,000 1,300 1,000 180.0 1,000 180.0 180,000 Montrose ... 14,900 10,000 170.0 1,700,000 10,000 170.0 1,700,000 Ouray San Juan • • • San Miguel Southwest 20,000 31,000 3,300,000 165.0 20,000 165.0 3,300,000 Alamosa Conejos Costilla Mineral Rio Grande Saguache San Luis Valley ••• ••• ... ••• ••• ... Baca 33,000 29,500 196.0 2,500 130,000 5,780,000 52.0 32,000 184.5 5,910,000 Bent 14.900 13,000 174.0 2,260,000 13,000 174.0 2,260,000 ... Crowley 3,500 3,000 140.0 420,000 3,000 140.0 420,000 ... Custer ••• Fremont ••• ... •••• Huerfano • • • Las Animas . . 1,100 500 140.0 70,000 500 140.0 70,000 ... - - • Otero 21,200 19,000 156.0 2,960,000 500 60.0 30,000 19,500 153.5 2,990,000 Prowers 22,900 19,500 170.5 3,320,000 1,500 80.0 120,000 21,000 164.0 3,440,000 Pueblo 6,400 5,500 198.0 500 60.0 6,000 186.5 1,090,000 30,000 1,120,000 Southeast 103,000 90,000 176.5 15,900,000 5,000 62.0 310,000 95,000 170.5 16,210,000 **State Total** 1,180,000 830.000 167.5 139,000,000 240,000 67.5 16,150,000 1,070,000 145.0 155,150,000

Corn for Grain: Acreage and production by county and district, Colorado, 1998, continued

1/ Planted for all purposes.



Corn for Silage: Production by County, Colorado, 1998 with Ranking of First Five Counties

Logan and Montrose Counties had equal ranking in 1998

Corn for Silage: Acreage and production by county and district, Colorado, 1997-1998

County	Acreage planted 1/		Acreage h	arvested	Yield p	er acre	Production		
and	1007	1008	1007	1008	1007	1008	1007	1008	
District	1997 Acr	1990	1997	1970	T	1990	1997 To	1990 	
	Atto	53	Atl	c 5	10	115	10	115	
Chaffee									
Clear Creek	•••								
Eagle					•••	***	•••		
Gilpin	•••		•••						
Grand									
Gunnison		•••				•••		•••	
Jackson		•••		•••	•••	•••			
Lake		•••	•••	•••	•••	***		***	
Moffat					•••	•••			
Park					•••	•••	•••	•••	
Pitkin		•••				•••			
Rio Blanco		•••	•••	•••		•••			
Routt						***		•••	
Summit		•••							
Teller		•••		•••	•••	•••			
NW & Mountain	***		•••		•••	•••	•••	•••	
Boulder	6,800	6,000	800	1,000	21.5	20.0	17,000	20,000	
Jefferson								•••	
Larimer	21,000	19,800	5,000	4,600	24.0	23.0	119,000	105,000	
Logan	74,200	81,900	4,700	5,800	23.5	18.0	111,000	103,000	
Morgan	83,700	86,800	8,300	11,100	21.5	22.5	178,000	247,000	
Sedgwick	50,800	56,800	1,300	1,500	17.0	26.0	22,000	39,000	
Weld	170,500	162,100	44,900	46,000	24.0	26.5	1,073,000	1,226,000	
Northeast	407,000	413,400	65,000	70,000	23.5	25.0	1,520,000	1,740,000	
1/ Directori Compiliation									

1/ Planted for all purposes.
County	Acreage pla	anted <u>1</u> /	Acreage h	arvested	Yield p	er acre	Produc	tion
and	1997	1998	1997	1998	1997	1998	1997	1998
District	Acre	S	Acr	es	To	ns	Ton	S
Adams	14,500	15,500	500	500	22.0	24.0	11,000	12,000
Arapahoe	1,400	2,900	400	400	22.5	20.0	9,000	8,000
Cheyenne	16,800	24,300	800	300	15.0	20.0	12,000	6,000
Denver				•••	•••	•••		•••
Douglas		•••						•••
Elbert	400	1,000	400		15.0		6,000	***
El Paso	400		400		17.5		7,000	
Kiowa	2,900	8,500	400		15.0		6,000	
Kit Carson	108,800	160,000	8,600	4,400	22.5	22.0	195,000	97,000
Lincoln	5,800	11,000				•••		
Phillips	115,100	110,100	1,100	1,000	22.5	25.0	25,000	25,000
Washington	54,000	64,600	2,700	4,000	16.0	21.5	43,000	86,000
Yuma	231,900	234,700	2,700	3,400	22.5	25.5	61,000	86,000
East Central	552,000	632,600	18,000	14,000	21.0	23.0	375,000	320,000
Archuleta								
Delta	6,200	5,200	2,000	2,000	23.0	22.0	46,000	44,000
Dolores	400	500	400	300	20.0	16.5	8,000	5,000
Garfield	•••	•••	* * *		•••	•••	***	•••
Hinsdale		•••				***		•••
La Plata	300		300		20.0		6,000	
Mesa	9,600	9,100	2,500	3,000	20.0	20.5	50,000	61,000
Montezuma	1,400	1,300	400	300	20.0	23.5	8,000	7,000
Montrose	13,100	14,900	3,400	4,400	24.0	23.5	82,000	103,000
Ouray	•••		***	•••	•••	***	•••	•••
San Juan	••••	•••		•••				***
San Miguel							200.000	
Southwest	51,000	51,000	9,000	10,000	22.0	22.0	200,000	220,000
Alamosa							•••	
Conejos							•••	
Costilla								
Mineral								
Rio Grande								
Saguache		•••				•••		
San Luis Valley	***		•••	***	•••		***	***
-								
Baca	26,500	33,000	500	400	22.0	22.5	11,000	9,000
Bent	15,000	14,900	2,200	1,700	19.0	18.0	42,000	31,000
Crowley	5,000	3,500	300	500	20.0	16.0	6,000	8,000
Custer								
Fremont					•••	•••		
Huertano				•••				
Las Animas	1,100	1,100	600	600	20.0	25.0	12,000	15,000
Otero	21,900	21,200	1,600	800	18.0	21.5	29,000	17,000
Prowers	23,000	22,900	2,500	1,600	20.0	20.0	50,000	32,000
Pueblo	7,500	6,400	300	400	16.5	20.0	5,000	8,000
Southeast	100,000	103,000	8,000	6,000	19.5	20.0	155,000	120,000
State Total	1,090,000	1,180,000	100,000	100,000	22.5	24.0	2,250,000	2,400,000

Corn for Silage: Acreage and production by county and district, Colorado, 1997-1998, continued

1/ Planted for all purposes.

BARLEY Average Yield 1986 - 98

Bushels Per Acre



Barley: Acreage and production by county and district, Colorado, 1997

			Irrigated		N	on-Irrigate	d		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee Clear Creek										
Eagle										
Gilpin	•••	•••					•••			
Grand									•••	
Gunnison							•••		•••	
Jackson									•••	
Lake		•••								
Moffat	1,700				1,200	45.0	54,000	1,200	45.0	54,000
Park				•••					•••	
Pitkin	•••			•••						
Rio Blanco	300				200	40.0	8,000	200	40.0	8,000
Routt	3,000	200	80.0	16,000	1,900	35.5	67,000	2,100	39.5	83,000
Summit	•••		•••	•••						
Teller										
NW & Mountain	5,000	200	80.0	16,000	3,300	39.0	129,000	3,500	41.5	145,000
Boulder	2,200	1,800	86.0	155,000	•••		•••	1,800	86.0	155,000
Jefferson	•••					•••	•••		•••	
Larimer	2,800	2,000	85.0	170,000	400	30.0	12,000	2,400	76.0	182,000
Logan						•••				
Morgan	300	100	90.0	9,000	100	30.0	3,000	200	60.0	12,000
Sedgwick	300	200	90.0	18,000				200	90.0	18,000
Weld	12,400	9,000	92.0	828,000	2,400	29.0	69,000	11,400	78.5	897,000
Northeast	18,000	13,100	90.0	1,180,000	2,900	29.0	84,000	16,000	79.0	1,264,000

			Irrigated		N	on-Irrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	per	duc-	har-	per	duc-	har-	per	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	900	100	80.0	8 000	600	33 5	20.000	700	40.0	28.000
Aranahoe	200	100	00.0	0,000	100	35.0	3 500	100	35.0	3 500
Chevenne	200	***	***	•••	100	55.0	5,500	100	55.0	5,500
Denver		•••	•••		••••	•••	***		•••	
Douglas		•••	•••	•••	•••		•••			•••
Elbert		•••		•••	•••	•••	***	•••	•••	
Fl Paso		***		•••	•••	•••	***	•••		•••
Kiowa	500		***	•••	400	35.0	14 000	400	35.0	14 000
Kit Carson	800	400		31.000	200	30.0	6,000	400 600	61.5	37.000
Lincoln	300	400	11.5	51,000	200	35.0	7 000	200	35.0	7 000
Phillips	1 000	100	80.0	8 000	800	47.0	37 500	900	50.5	45 500
Washington	400	100	00.0	0,000	300	30.0	9,000	300	30.0	9,000
Vuma	100	100	80.0	8 000	500	50.0	,,000	100	80.0	9,000 8,000
Fast Central	4 200	700	78.5	55 000	2 600	37.5	97.000	3 300	46.0	152 000
Last Central	4,200	700	10.5	55,000	2,000	51.5	97,000	5,500	40.0	152,000
Archuleta	100	100	70.0	7,000				100	70.0	7,000
Delta	100	100	95.0	9,500				100	95.0	9,500
Dolores										
Garfield	400	300	83.5	25,000	100	35.0	3,500	400	71.5	28,500
Hinsdale										
La Plata	300	100	65.0	6,500	200	15.0	3,000	300	31.5	9,500
Mesa	500	400	115.0	46,000	100	35.0	3,500	500	99.0	49,500
Montezuma										•••
Montrose	1,100	1,000	102.0	102,000				1,000	102.0	102,000
Ouray										
San Juan									•••	
San Miguel		•••								
Southwest	2,500	2,000	98.0	196,000	400	25.0	10,000	2,400	86.0	206,000
Alamosa	12,700	12,500	124.0	1,550,000				12,500	124.0	1,550,000
Conejos	10,200	10,000	110.0	1,100,000				10,000	110.0	1,100,000
Costilla	4,700	4,500	112.0	505,000				4,500	112.0	505,000
Mineral										
Rio Grande	21,200	21,000	132.0	2,775,000				21,000	132.0	2,775,000
Saguache	14,700	14,500	128.0	1,855,000				14,500	128.0	1,855,000
San Luis Valley	63,500	62,500	124.5	7,785,000	9.65		***	62,500	124.5	7,785,000
Baca	300				200	35.0	7.000	200	35.0	7.000
Bent	•••									
Crowley										
Custer										
Fremont										
Huerfano										
Las Animas										
Otero	400	300	70.0	21.000				300	70.0	21.000
Prowers	1,100	200	70.0	14.000	600	30.0	18.000	800	40.0	32.000
Pueblo				.,						
Southeast	1,800	500	70.0	35,000	800	31.5	25,000	1,300	46.0	60,000
State Total	95,000	79,000	117.5	9,267,000	10,000	34.5	345,000	89,000	108.0	9,612,000

Barley: Acreage and production by county and district, Colorado, 1997, continued



Barley: Production by County, Colorado, 1998 with Ranking of First Five Counties

Barley: Acreage and production by county and district, Colorado, 1998

			Irrigated		N	on-Irrigate	d		Total Acreage Yield har- per vested acre		
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.	
Chaffee											
Clear Creek				•••	•••						
Eagle											
Gilpin											
Grand			•••								
Gunnison									•••		
Jackson							•••			•••	
Lake		•••	•••	•••							
Moffat	1,200		•••		1,000	30.0	30,000	1,000	30.0	30,000	
Park							•••		•••		
Pitkin		•••	•••	•••		•••	•••		•••	***	
Rio Blanco	300										
Routt	2,800	200	100.0	20,000	2,300	30.0	69,000	2,500	35.5	89,000	
Summit		•••	•••	•••			•••				
NW & Mountain	4,300	200	100.0	20,000	3,300	30.0	 99,000	3,500	34.0	119,000	
Boulder	2,500	2,000	95.0	190,000	•••			2,000	95.0	190,000	
Jefferson									•••		
Larimer	3,200	2,200	91.0	200,000	500	32.0	16,000	2,700	80.0	216,000	
Logan			•••			•••	•••	***	•••	•••	
Morgan	400				•••		•••				
Sedgwick	500	300	90.0	27,000				300	90.0	27,000	
Weld	10,700	7,600	95.0	723,000	1,900	32.0	61,000	9,500	82.5	784,000	
Northeast	17,300	12,100	94.0	1,140,000	2,400	32.0	77,000	14,500	84.0	1,217,000	

			Irrigated		N	on-lrrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	per	duc-	har-	per	duc-	har-	per	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	1,200	100	80.0	8,000	800	35.0	28,000	900	40.0	36,000
Arapahoe	200				100	35.0	3.500	100	35.0	3,500
Cheyenne										
Denver										
Douglas										
Elbert							***			
El Paso										
Kiowa	300				200	35.0	7,000	200	35.0	7,000
Kit Carson	600	300	80.0	24,000	200	30.0	6,000	500	60.0	30,000
Lincoln	300									
Phillips	1,400	200	80.0	16,000	900	37.0	33,500	1,100	45.0	49,500
Washington .	300				200	30.0	6,000	200	30.0	6,000
Yuma										
East Central	4,300	600	80.0	48,000	2,400	35.0	84,000	3,000	44.0	132,000
Archuleta	100	100	80.0	8,000				100	80.0	8,000
Delta	200	200	95.0	19,000	•••			200	95.0	19,000
Dolores				***						
Garfield	500	300	80.0	24,000	100	30.0	3,000	400	67.5	27,000
Hinsdale				•••						
La Plata	•••					•••		•••	•••	
Mesa	600	300	120.0	36,000	200	30.0	6,000	500	84.0	42,000
Montezuma		***		•••						
Montrose	1,200	800	116.5	93,000				800	116.5	93,000
Ouray		•••	•••						•••	
San Juan	•••	***	•••		•••	•••	•••	•••	•••	
San Miguel		1 200	104.0	100.000						
Southwest	2,600	1,700	106.0	180,000	300	30.0	9,000	2,000	94.5	189,000
Alamosa	10,300	10,000	130.0	1,300,000				10,000	130.0	1,300,000
Conejos	8,900	8,500	120.0	1,020,000				8,500	120.0	1,020,000
Costilla	6,200	6,000	125.0	750,000				6,000	125.0	750,000
Mineral					•••		***	•••		•••
Rio Grande	20,600	20,000	140.0	2,800,000				20,000	140.0	2,800,000
Saguache	14,000	13,500	137.0	1,850,000				13,500	137.0	1,850,000
San Luis Valley	60,000	58,000	133.0	7,720,000	***	***	•••	58,000	133.0	7,720,000
Baca					•••			•••		
Bent		•••				•••				***
Crowley		••••	•••			•••	•••		•••	
Custer		•••								
Fremont	•••	•••					•••			
	•••	•••								
Clark Animas					•••		•••			
Provers	400	300	80.0	24,000				300	80.0	24,000
Pueblo	1,100	100	80.0	8,000	600	35.0	21,000	700	41.5	29,000
Southeast	1,500	 400	 80.0		 600	 35.0	 21,000	 1,000	53.0	 53,000
State Total	00.000	73.000	125.0	0 140 000	0.000	22.0	200.000	03.000	115.0	0.420.000
State I Utal	90,000	75,000	123.0	9,140,000	9,000	32.0	290,000	02,000	115.0	9,430,000

Barley: Acreage and production by county and district, Colorado, 1998, continued

OATS Average Yield 1986 - 98

Bushels Per Acre



Oats: Acreage and production by county and district, Colorado, 1997

			Irrigated		N	lon-Irrigate	:d		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee										
Engle		200		13.000	•••		•••	 200	65.0	13 000
Gilnin	1,000	200	05.0	15,000	***	•••		200	05.0	15,000
Grand										
Gunnison									•••	
Jackson										
Lake										
Moffat	2,200	100	60.0	6,000	700	41.5	29,000	800	44.0	35,000
Park	•••								•••	
Pitkin			•••							
Rio Blanco							•••	•••	•••	•••
Routt	800				300	43.5	13,000	300	43.5	13,000
Summit		•••	***		•••			•••	•••	•••
Teller	•••	•••	•••						•••	
NW & Mountain	4,000	300	63.5	19,000	1,000	42.0	42,000	1,300	47.0	61,000
Boulder	1,200	600	80.0	48,000			•••	600	80.0	48,000
Jefferson		•••	•••					***	•••	•••
Larimer	800	100	80.0	8,000	200	40.0	8,000	300	53.5	16,000
Logan	600	200	80.0	16,000				200	80.0	16,000
Morgan	900	100	90.0	9,000	200	45.0	9,000	300	60.0	18,000
Sedgwick	500	200	75.0	15,000				200	75.0	15,000
Weld	4,000	600	73.5	44,000	500	50.0	25,000	1,100	62.5	69,000
Northeast	8,000	1,800	78.0	140,000	900	46.5	42,000	2,700	67.5	182,000

			Irrigated		N	on-lrrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	рег	duc-	har-	per	duc-	har-	per	duc-
District	planted	vested	acre	tion	vested	асте	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	500				200	40.0	8 000	200	40.0	8 000
Aranahoe	600	***	***	•••	300	30.0	9,000	300	30.0	0,000
Chevenne	000	•••			500	50.0	2,000	500	50.0	9,000
Denver		•••	***	•••	•••	•••			•••	•••
Douglas	500	•••	•••	•••	300		13 000	300	13.5	13 000
Flbert	2 000	***	•••	•••	800	32.5	26,000	800	32.5	26,000
El Paso	600	***	***		200	30.0	6,000	200	30.0	6 000
Kiowa	000	***			200	50.0	0,000	200	20.0	0,000
Kit Carson	1 200	100	70.0	7.000	200	40.0	8 000	300	50.0	15 000
Lincoln	1,200	100		1,000	200		0,000	500	50.0	15,000
Phillips	600									
Washington .	5,500	600	71.5	43.000	1.100	34.5	38.000	1.700	47.5	81.000
Yuma	1,500	100	60.0	6.000	300	33.5	10.000	400	40.0	16.000
East Central	13,000	800	70.0	56,000	3,400	34.5	118,000	4,200	41.5	174,000
Archuleta										
Delta	1.200	000	0.80	 88.000	•••	•••	•••			
Dolores	800	200	20.0	00,000	500	24.0	12 000	500	24.0	12 000
Garfield	600	500	50.0	25.000	500	24.0	12,000	500	50.0	25,000
Hinsdale	000	500	50.0	20,000				500	50.0	25,000
La Plata	5 800	1 200	102.5	123 000	1 900	26.5	50.000	3 100	56.0	173.000
Mesa	1 200	500	74.0	37,000	100	30.0	3 000	5,100	66.5	40,000
Montezuma	3 600	1 200	80.0	96,000	400	25.0	10,000	1 600	66.5	106.000
Montrose	1,800	700	83.0	58,000	200	30.0	6.000	900	71.0	64 000
Ouray					200		0,000		,	04,000
San Juan										
San Miguel	3,000	200	100.0	20,000	1,300	30.0	39,000	1,500	39.5	59,000
Southwest	18,000	5,200	86.0	447,000	4,400	27.5	120,000	9,600	59.0	567,000
Alamosa	5,000	1,400	110.0	154,000				1,400	110.0	154,000
Conejos	11,000	3,100	100.0	310,000				3,100	100.0	310,000
Costilla	2,000	400	95.0	38,000				400	95.0	38,000
Mineral										
Rio Grande	1,800	900	120.0	108,000				900	120.0	108,000
Saguache	1,200	400	105.0	42,000			•••	400	105.0	42,000
San Luis Valley	21,000	6,200	105.0	652,000		•••	***	6,200	105.0	652,000
Baca	1,000	•••			•••					
Bent	300	100	80.0	8,000				100	80.0	8,000
Crowley	600									
Custer		•••						•••		•••
Fremont	500									•••
Huerfano										
Las Animas	600	200	100.0	20,000				200	100.0	20,000
Otero	1,600	400	70.0	28,000				400	70.0	28,000
Prowers	900				200	25.0	5,000	200	25.0	5,000
Pueblo	500				100	30.0	3,000	100	30.0	3,000
Southeast	6,000	700	80.0	56,000	300	26.5	8,000	1,000	64.0	64,000
State Total	70,000	15,000	91.5	1,370,000	10,000	33.0	330,000	25,000	68.0	1,700,000

Oats: Acreage and production by county and district, Colorado, 1997, continued



Oats: Production by County, Colorado, 1998 with Ranking of First Five Counties

Oats: Acreage and production by county and district, Colorado, 1998

			Irrigated		N	lon-Irrigate	d		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee Clear Creek										
Cilain	1,000	200	00.0	12,000	•••	•••	•••	200	00.0	12,000
Grand										
Gunnison	***	•••	•••					•••		
Jackson		•••	•••							
Lake	•••		•••	•••						•••
Moffat	900	••••	•••		500	56.0	28,000	500	56.0	28,000
Park	•••	•••	•••						•••	
Pitkin	200		•••	•••						
Rio Blanco	300	•••		***	200	40.0	8,000	200	40.0	8,000
Routt	600		•••	•••	200	45.0	9,000	200	45.0	9,000
Summit							•••		•••	
Teller NW & Mountain	 3,000	 200	 60.0	 12,000	 900	 50.0	 45,000	 1,100	 52.0	 57,000
Boulder	3,000	200	95.0	19,000	300	46.5	14,000	500	66.0	33,000
Jefferson										
Larimer	2,000	200	95.0	19,000				200	95.0	19,000
Logan	2,500	300	96.5	29,000	600	50.0	30,000	900	65.5	59,000
Morgan	4,500	200	120.0	24,000	400	37.5	15,000	600	65.0	39,000
Sedgwick	2,500	300	90.0	27,000		•••		300	90.0	27,000
Weld	10,500	400	125.0	50,000	600	35.0	21,000	1,000	71.0	71,000
Northeast	25,000	1,600	105.0	168,000	1,900	42.0	80,000	3,500	71.0	248,000

Colorado Agricultural Statistics 1999

			Irrigated	~	N	on-Irrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	per	duc-	har-	per	duc-	har-	per	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	400				300	25.0	7 500	300	25.0	7 500
Aranahoe	600	•••	•••	***	200	30.0	6,000	200	30.0	6,000
Chevenne	600	***		***	200	25.0	5,000	200	25.0	5,000
Denver							0,000		2010	5,000
Douglas	800				300	36.5	11.000	300	36.5	11.000
Elbert	1,600				400	37.5	15,000	400	37.5	15,000
El Paso	800				200	25.0	5,000	200	25.0	5,000
Kiowa		•••		***						
Kit Carson	2,600	200	60.0	12,000	300	30.0	9,000	500	42.0	21,000
Lincoln			•••				•••			
Phillips	1,000						•••			•••
Washington .	10,800	900	60.0	54,000	900	40.0	36,000	1,800	50.0	90,000
Yuma	3,300	200	60.0	12,000	200	37.5	7,500	400	49.0	19,500
East Central	22,500	1,300	60.0	78,000	3,000	34.0	102,000	4,300	42.0	180,000
Archuleta		•••					•••			
Delta	1,500	700	95.5	67,000			•••	700	95.5	67,000
Dolores	800	•••			500	20.0	10,000	500	20.0	10,000
Garfield	2,000	800	97.5	78,000	***		•••	800	97.5	78,000
Hinsdale										•••
La Plata	6,400	1,500	82.0	123,000	1,700	23.0	39,500	3,200	51.0	162,500
Mesa	1,500	300	90.0	27,000	200	15.0	3,000	500	60.0	30,000
Montezuma	3,500	1,500	110.0	165,000	300	15.0	4,500	1,800	94.0	169,500
Montrose	3,200	800	95.0	76,000				800	95.0	76,000
Ouray	•••					•••			•••	
San Juan										
San Miguel	2,600	500	100.0	50,000	500	20.0	10,000	1,000	60.0	60,000
Southwest	21,500	6,100	96.0	586,000	3,200	21.0	67,000	9,300	70.0	653,000
Alamosa	2,500	1,000	115.0	115,000				1,000	115.0	115,000
Conejos	7,500	3,500	92.5	324,000			•••	3,500	92.5	324,000
Costilla	1,000	300	80.0	24,000				300	80.0	24,000
Mineral	•••			•••				•••		•••
Rio Grande	2,000	400	95.0	38,000	•••		•••	400	95.0	38,000
Saguache	2,000	500	90.0	45,000	•••	•••	•••	500	90.0	45,000
San Luis Valley	15,000	5,700	96.0	546,000	***	•••	***	5,700	96.0	546,000
Baca	500									
Bent	•••									
Crowley	200									
Custer	•••	***			•••					•••
Fremont		•••		•••						
Huerfano										
Las Animas	300	•••		•••						•••
Otero	1,300	900	60.0	54,000				900	60.0	54,000
Prowers	500	200	60.0	12,000	•••			200	60.0	12,000
Southeast	200 3,000		 60.0	 66,000		•••	•••	 1,100	 60 . 0	 66,000
State Total	00.000	16.000	01.0	1 450 000	0.000	22.5	204.000	25.000	70.0	1 760 000
Juic I Vidi	90,000	10,000	71.0	1,430,000	9,000	34.3	494,000	45,000	/0.0	1,/30,000

Oats: Acreage and production by county and district, Colorado, 1998, continued

SORGHUM FOR GRAIN Average Yield 1986 - 98

Bushels Per Acre



Sorghum for Grain: Acreage and production by county and district, Colorado, 1997

			Irrigated		N	lon-Irrigate	d		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee Clear Creek										
Eagle									•••	•••
Gilpin										
Grand										
Gunnison								•••	•••	
Jackson	•••			•••				•••		
Lake				•••				•••		
Moffat								***		•••
Park										
Pitkin	•••									
Rio Blanco	•••	•••		•••				•••		
Routt					•••			•••		
Summit								•••		
Teller				•••						
NW & Mountain	•••	•••	***	•••	•••	•••	•••	***	•••	***
Boulder										
Jefferson				***				***		
Larimer										
Logan	1.100	100	40.0	4.000	800	25.0	20.000	900	26.5	24.000
Morgan	4,300	400	47.5	19,000	2,000	35.0	70,000	2,400	37.0	89,000
Sedgwick	400				21000		, 0,000	_,		
Weld	4,700	600	45.0	27.000	1,100	27.5	30,000	1.700	33.5	57,000
Northeast	10,500	1,100	45.5	50,000	3,900	31.0	120,000	5,000	34.0	170,000

			Irrigated		N	on-Irrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	рег	duc-	har-	рег	duc-	har-	per	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
4.1	2 (00				2 000	40.0	00.000	2 000	10.0	00.000
Adams	2,600	•••	•••	•••	2,000	40.0	80,000	2,000	40.0	80,000
Arapanoe	2,500				2,000	35.0	70,000	2,000	35.0	/0,000
Cheyenne	6,700	200	60.0	12,000	3,800	44.5	170,000	4,000	45.5	182,000
Denver	•••				•••	•••		•••	•••	•••
Douglas				•••						
Elbert	400				400	37.5	15,000	400	37.5	15,000
El Paso	/00	200	47.5	9,500	200	31.5	7,500	400	42.5	17,000
Kiowa	32,900	900	50.0	45,000	23,700	46.5	1,105,000	24,600	46.5	1,150,000
Kit Carson	800	400	64.0	25,500				400	64.0	25,500
Lincoln	10,600	1,000	45.5	45,500	8,000	30.0	240,000	9,000	31.5	285,500
Phillips	100				100	30.0	3,000	100	30.0	3,000
Washington .	4,200	200	57.5	11,500	2,300	30.0	69,000	2,500	32.0	80,500
Yuma	2,000	300	53.5	16,000	1,300	31.0	40,500	1,600	35.5	56,500
East Central	63,500	3,200	51.5	165,000	43,800	41.0	1,800,000	47,000	42.0	1,965,000
Archuleta										
Delta										
Dolores				•••						
Garfield	•••								•••	
Hinsdale										
La Plata		•••					•••			•••
Mesa										•••
Montezuma		•••	•••							
Montrose										•••
Ouray					• • •					
San Juan										***
San Miguel										
Southwest	000	***	***				***	•••	***	***
Alamosa		•••								
Conejos										
Costilla										
Mineral										
Rio Grande										
Saguache										
San Luis Valley	***	***	***	•••	•••	•••	***	***	***	***
Baca	84,500	16,200	62.0	1,005.000	61.000	29.0	1,770.000	77.200	36.0	2,775.000
Bent	3,000	1.800	58.5	105.000				1.800	58.5	105.000
Crowley	2.400				1.200	36.0	43.000	1,200	36.0	43 000
Custer	_,				1,200	00.0		1,200	00.0	10,000
Fremont										
Huerfano	200				100	30.0	3 000	100	30.0	3 000
Las Animas						00.0	0,000	100		5,000
Otero	1.500	400	75.0	30,000				400	75.0	30,000
Prowers	22,600	6.600	65.0	430.000	9,400	44.5	420.000	16.000	53.0	850.000
Pueblo	1.800	700	50.0	35.000	600	40.0	24.000	1.300	45.5	59,000
Southeast	116,000	25,700	62.5	1,605,000	72,300	31.5	2,260,000	98,000	39.5	3,865,000
State Total	190,000	30,000	60.5	1,820,000	120,000	35.0	4,180,000	150,000	40.0	6,000,000

Sorghum for Grain: Acreage and production by county and district, Colorado, 1997, continued



Sorghum for Grain: Production by County, Colorado, 1998 with Ranking of First Five Counties

Sorghum for Grain: Acreage and production by county and district, Colorado, 1998

			Irrigated		N	lon-Irrigate	:d		Total	
County and District	Acreage planted <u>1</u> /	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Chaffee									•••	
Clear Creek			•••			•••	•••			
Eagle										
Gilpin										
Grand										•••
Gunnison		•••						•••		•••
Jackson										•••
Lake										
Moffat										
Park								•••	•••	•••
Pitkin								***	•••	•••
Rio Blanco		•••								•••
Routt		•••								
Summit				•••				***	•••	•••
Teller		•••						•••	•••	•••
NW & Mountain	•••	***	•••	***	***	•••	•••		•••	***
Boulder									•••	
Jefferson	••••	•••								
Larimer										
Logan	1,400	100	55.0	5,500	1,100	27.5	30,000	1,200	29.5	35,500
Morgan	5,700	500	62.0	31,000	3,900	42.0	163,000	4,400	44.0	194,000
Sedgwick	600	100	55.0	5,500	500	40.0	20,000	600	42.5	25,500
Weld	6,100	300	60.0	18,000	2,500	25.0	62,000	2,800	28.5	80,000
Northeast	13,800	1,000	60.0	60,000	8,000	34.5	275,000	9,000	37.0	335,000
1/ Planted for all	DUEDOGOG									

<u>1</u>/ Planted for all purpose

E

8_			Irrigated		N	on-Irrigate	d		Total	
County	Acreage	Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	planted	har-	per	duc-	har-	per	duc-	har-	per	duc-
District	<u>1</u> /	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Bu.	Bu.	Acres	Bu.	Bu.	Acres	Bu.	Bu.
Adams	9 500	2.000	58.0	116.000	7.000	35.5	250,000	9 000	40.5	366.000
Arapahoe	1 300	2,000	20.0	110,000	1,000	30.0	30,000	1,000	30.0	30,000
Chevenne	10.500				10.000	54.0	540.000	10.000	54.0	540,000
Denver	10,000						5.0,000		5 1.0	510,000
Douglas										
Elbert	300				200	45.0	9,000	200	45.0	9,000
El Paso	1,900	300	63.5	19,000	1,400	45.5	64,000	1,700	49.0	83,000
Kiowa	37,400	2,500	76.0	190,000	34,000	62.0	2,100,000	36,500	62.5	2,290,000
Kit Carson	2,600	400	80.0	32,000	1,000	50.0	50,000	1,400	58.5	82,000
Lincoln	6,500	600	65.0	39,000	4,400	50.0	220,000	5,000	52.0	259,000
Phillips	2,500				2,500	50.0	125,000	2,500	50.0	125,000
Washington .	2,400	100	70.0	7,000	1,400	50.0	70,000	1,500	51.5	77,000
Yuma	1,600	100	70.0	7,000	1,100	47.5	52,000	1,200	49.0	59,000
East Central	76,500	6,000	68.5	410,000	64,000	55.0	3,510,000	70,000	56.0	3,920,000
Archuleta										
Delta	•••	•••	•••		•••	•••		•••		
Dolores	•••	•••			•••	•••		•••		•••
Garfield			•••	***		•••		•••		
Hinsdale			• • •	***	•••		•••	•••		
La Plata					•••	•••	•••		•••	•••
Mesa						•••			•••	•••
Montezuma		•••	***				•••			
Montrose	•••	•••	***	***	•••	•••	•••	•••	•••	
San Juan	•••		•••	•••	***	***		•••		•••
San Juan	•••		•••	•••	•••	•••		•••	•••	
Southwest	0 0 0	***	•••	•••	•••	***	•••	•••	•••	
Southwest	***	***	***	•••		***	***	***	***	000
Alamosa										
Conejos		***		•••	•••		•••			
Costilla		** *	•••		***		•••			
Mineral		•••					***	•••		
Rio Grande	***	•••				•••	•••			
Saguache	***	•••	•••	***	•••		•••			
San Luis Valley		***	***	***	***	•••	***	***	***	
Baca	90,800	14,300	71.5	1,020,000	75,200	54.0	4,070,000	89,500	57.0	5,090,000
Bent	1,500	1,000	110.0	110,000				1,000	110.0	110,000
Crowley	1,500				1,000	53.0	53,000	1,000	53.0	53,000
Custer		•••	•••							
Fremont										
Huerfano	100									
Las Animas	300	300	70.0	21,000				300	70.0	21,000
Otero	500	300	70.0	21,000				300	70.0	21,000
Prowers	13,800	3,500	100.0	350,000	9,500	62.5	595,000	13,000	72.5	945,000
Pueblo	1,200	100	80.0	8,000	800	52.5	42,000	900	55.5	50,000
Southeast	109,700	19,500	78.5	1,530,000	86,500	55.0	4,760,000	106,000	59.5	6,290,000
State Total	200,000	26,500	75.5	2,000,000	158,500	54.0	8,545,000	185,000	57.0	10,545,000

Sorghum for Grain: Acreage and production by county and district, Colorado, 1998, continued

1/ Planted for all purposes.



Sunflowers, All: Production by County, Colorado, 1998 with Ranking of First Five Counties

Sunflowers, All: Acreage and production by county and district, Colorado, 1997-1998

County	Acreage p	lanted	Acreage ha	rvested	Yield pe	er acre	Produ	ction
and District	1997	1998	1997	1998	1997	1998	1997	1998
	Acre	es	Acre	:S	Pour	nds	Pou	nds
Boulder								
Jefferson								
Larimer								
Logan	4,900	8,200	4,800	8,000	1,000	925	4,800,000	7,400,000
Morgan	3,300	7,900	3,200	6,500	1,030	940	3,300,000	6,100,000
Sedgwick	4,900	5,700	4,700	5,500	1,085	1,180	5,090,000	6,500,000
Weld	6,900	8,700	6,300	8,000	890	1,000	5,610,000	8,000,000
Northeast	20,000	30,500	19,000	28,000	990	1,000	18,800,000	28,000,000
Adams	4,100	7,200	3,900	7,000	725	1,070	2,820,000	7,500,000
Arapahoe	400	2,600	400	2,500	750	1,080	300,000	2,700,000
Cheyenne	12,300	19,000	10,500	18,000	1,055	1,355	11,100,000	24,400,000
Denver						••••		
Douglas								
Elbert	1,200	3,000	1,200	2,800	915	1,395	1,100,000	3,900,000
El Paso								
Kiowa	2,900	10,500	2,800	8,000	1,340	1,715	3,750,000	13,700,000
Kit Carson	25,700	40,000	24,500	38,000	1,190	1,530	29,100,000	58,200,000
Lincoln	1,200	3,100	1,200	3,000	1,335	1,100	1,600,000	3,300,000
Phillips	2,700	3,700	2,600	3,700	1,075	1,000	2,800,000	3,700,000
Washington	4,800	13,700	4,600	13,000	935	890	4,290,000	11,600,000
Yuma	9,700	9,000	9,300	8,500	1,125	1,505	10,440,000	12,800,000
East Central	65,000	111,800	61,000	104,500	1,105	1,355	67,300,000	141,800,000
State Total	85,000	145,000	80,000	135,000	1,076	1,286	86,100,000	173,650,000
1/ Data shown only for proc	lucing districts.							



Sunflowers, Oil: Production by County, Colorado, 1998 with Ranking of First Five Counties

Sunflowers, Oil: Acreage and production by county and district, Colorado, 1997-1998

County	Acreage	planted	Acreage I	narvested	Yield p	oer acre	Produ	ction
and	1997	1998	1997	1998	1997	1998	1997	1998
District	Acr	res	Aci	res	Pou	nds	Pou	nds
Boulder Jefferson			•••					
Larimer	2 300	4 700	2 300	4 500	1 130	 845	2 600 000	3 800 000
Morgan	800	1,200	800	1.000	1,000	700	800.000	700.000
Sedgwick	2,000	4,200	1,900	4,000	1,265	1,125	2,400,000	4,500,000
Weld	2,900	5,900	2,500	5,500	880	1,090	2,200,000	6,000,000
Northeast	8,000	16,000	7,500	15,000	1,065	1,000	8,000,000	15,000,000
Adams	1,200 400 10,700 	4,200 1,100 17,000 	1,200 400 9,000 	4,000 1,000 16,000 	1,000 750 1,100 	875 1,200 1,365 	1,200,000 300,000 9,900,000 	3,500,000 1,200,000 21,800,000
Elbert	1,200	3,000	1,200	2,800	915	1,395	1,100,000	3,900,000
El Paso Kiowa Kit Carson	 2,900 14,500	 10,500 27,000	 2,800	 8,000 25,000	 1,340 1 365	 1,715 1,600	 3,750,000	 13,700,000
Lincoln	1 200	3 100	1,000	3 000	1,305	1,000	1,600,000	3,300,000
Phillips	1,100	1,700	1,100	1,700	1,320	705	1,450,000	1,200,000
Washington	1,100	6,200	1,100	6,000	910	900	1,000,000	5,400,000
Yuma	7,700	8,000	7,500	7,500	1,200	1,600	9,000,000	12,000,000
East Central	42,000	81,800	39,500	75,000	1,225	1,415	48,400,000	106,000,000
State Total	50,000	100,000	47,000	92,000	1,200	1,350	56,400,000	124,200,000
- Data shown only for proc	acting uistricts.							



Sunflowers, Non-Oil: Production by County, Colorado, 1998 with Ranking of First Five Counties

Sunflowers, Non-Oil: Acreage and production by county and district, Colorado, 1997-1998

County	Acreage planted		Acreage l	harvested	Yield J	per acre	Produ	ction
and	1007	1000	1005		1005	4000	1005	4000
District	1997	1998	1997	1998	1997	1998	1997	1998
	Acre	S	Ac	res	Pou	inds	Pou	nds
Boulder								
Jefferson	•••					•••		
Larimer	•••							
Logan	2,600	3,500	2,500	3,500	880	1,030	2,200,000	3,600,000
Morgan	2,500	6,700	2,400	5,500	1,040	980	2,500,000	5,400,000
Sedgwick	2,900	1,500	2,800	1,500	960	1,335	2,690,000	2,000,000
Weld	4,000	2,800	3,800	2,500	895	800	3,410,000	2,000,000
Northeast	12,000	14,500	11,500	13,000	940	1,000	10,800,000	13,000,000
Adams	2,900	3,000	2,700	3,000	600	1,335	1,620,000	4,000,000
Arapahoe		1,500		1,500		1,000		1,500,000
Cheyenne	1,600	2,000	1,500	2,000	800	1,300	1,200,000	2,600,000
Denver								
Douglas								
Elbert								
El Paso								
Kiowa		•••	•••					
Kit Carson	11,200	13,000	10,500	13,000	950	1,400	10,000,000	18,200,000
Lincoln					•••			
Phillips	1,600	2,000	1,500	2,000	900	1,250	1,350,000	2,500,000
Washington	3,700	7,500	3,500	7,000	940	885	3,290,000	6,200,000
Yuma	2,000	1,000	1,800	1,000	800	800	1,440,000	800,000
East Central	23,000	30,000	21,500	29,500	880	1,215	18,900,000	35,800,000
State Total	35,000	45,000	33,000	43,000	900	1,150	29,700,000	49,450,000
1/ Data shown only for prod	ucing districts.							



Sugarbeets: Production by County, Colorado, 1998 with Ranking of First Five Counties

Sugarbeets: Acreage and production by county and district, Colorado, 1997-1998

County	Acreage planted		Acreage	harvested	Yield per acre		Produc	ction
and District	1997	1998	1997	1998	1997	1998	1997	1998
	Acre	S	Ac	res	То	ns	Tor	15
Boulder	1,150	1,250	1,150	1,250	20.3	18.0	23,400	22,500
Jefferson	•••	•••	•••	•••	•••			•••
Larimer	4,680	4,770	4,670	4,650	21.1	22.9	98,700	106,700
Logan	7,780	6,390	7,520	6,180	15.7	19.9	118,100	123,100
Morgan	11,270	6,980	10,900	5,850	17.2	20.9	187,300	122,500
Sedgwick	2,180	2,620	2,120	2,550	19.1	20.9	40,500	53,400
Weld	26,620	24,260	25,840	22,820	20.9	25.0	538,900	569,500
Northeast	53,680	46,270	52,200	43,300	19.3	23.0	1,006,900	997,700
Adams	1,690	1,430	1,690	1,300	20.2	22.9	34,200	29,800
Arapahoe	•••				•••			
Cheyenne			•••					
Denver								
Douglas	•••							
Elbert	•••							
El Paso								
Kiowa								
Kit Carson	***						***	
Lincoln	•••							
Phillips	5,320	5,480	5,320	4,920	22.1	22.3	117,400	109,800
Washington	1,810	1,910	1,790	1.880	19.6	20.3	35,100	38,200
Yuma	5,400	7,410	5,400	5,900	21.2	21.3	114,400	125,500
East Central	14,220	16,230	14,200	14,000	21.2	21.7	301,100	303,300
State Total	67,900	62,500	66,400	57,300	19.7	22.7	1,308,000	1,301,000

DRYBEANS Average Yield 1986 - 98

Pounds Per Acre



Dry Beans: Acreage and production by county and district, Colorado, 1997

		Irrigated			N	on-Irrigate	ed .		Total	
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion
	Acres	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.
Chaffee										
Clear Creek					•••					
Eagle										
Gilpin				•••						
Grand										
Gunnison						• • •				
Jackson		•••		•••		•••				
Lake										
Moffat										
Park										
Pitkin									•••	
Rio Blanco										
Routt									•••	
Summit									•••	
Teller										
NW & Mountain	•••	***	***	***	***	***	***	•••	•••	***
Boulder	500	500	2,000	10,000				500	2,000	10,000
Jefferson				•••				•••		
Larimer	4,700	4,300	2,000	86,000	•••			4,300	2,000	86,000
Logan	3,600	2,800	2,390	67,000	500	600	3,000	3,300	2,120	70,000
Morgan	5,000	4,500	1,870	84,000				4,500	1,870	84,000
Sedgwick	4,700	3,500	1,800	63,000	500	600	3,000	4,000	1,650	66,000
Weld	25,000	22,400	2,230	500,000				22,400	2,230	500,000
Northeast	43,500	38,000	2,130	810,000	1,000	600	6,000	39,000	2,090	816,000

	Ly Deanst	l let cage an	u prouu	ction by co	, and y and a		contrado,	<i>1>>7</i> , comm	ucu	
			Irrigated		N	on-Irrigate	d		Total	
County		Acreage	Yield	Pro-	Acreage	Yield	Pro-	Acreage	Yield	Pro-
and	Acreage	har-	Der	duc-	har-	Der	duc-	har-	Der	duc-
District	planted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.
Adams	500	500	2,200	11,000	•••			500	2,200	11,000
Arapahoe		•••				•••				•••
Cheyenne	800	400	2,000	8,000	200	850	1,700	600	1,620	9,700
Denver		•••				•••	•••	•••		
Douglas			•••					•••	•••	•••
Elbert		•••	•••					•••		•••
El Paso		•••	•••	•••	•••					•••
Kiowa		•••	•••		•••			•••		•••
Kit Carson	15,700	13,300	2,280	303,000	500	940	4,700	13,800	2,230	307,700
Lincoln	300	300	1,330	4,000	•••			300	1,330	4,000
Phillips	6,000	5,400	2,040	110,000	•••			5,400	2,040	110,000
Washington .	4,200	3,200	1,690	54,000	300	870	2,600	3,500	1,620	56,600
Yuma	24,500	21,900	2,190	480,000				21,900	2,190	480,000
East Central	52,000	45,000	2,160	970,000	1,000	900	9,000	46,000	2,130	979,000
Archuleta										
Delta	2,100	2.000	1.900	38.000				2.000	1.900	38,000
Dolores	14,900	2.100	1.860	39.000	10.900	870	95.000	13,000	1,030	134 000
Garfield		_,	.,		10,700		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10,000	1,000	194,000
Hinsdale										
La Plata	300				200	650	1.300	200	650	1 300
Mesa	700	700	1.570	11.000			1,000	700	1.570	11,000
Montezuma	6,700	700	1.710	12.000	4.800	770	37.000	5,500	890	49 000
Montrose	9,600	9,000	2.060	185.000	.,			9.000	2.060	185,000
Ouray									_,	
San Juan										•••
San Miguel	700				600	620	3,700	600	620	3.700
Southwest	35,000	14,500	1,970	285,000	16,500	830	137,000	31,000	1,360	422,000
Alamosa										
Coneios		••••	•••	•••	•••		•••	•••	•••	
Costilla	•••	***		•••	•••		•••	•••	•••	
Mineral	•••	***		•••	•••	•••	•••	•••		•••
Rio Grande	•••	•••		•••	•••	***	•••	•••	•••	
Saguache	•••	•••	•••	•••	•••	•••	•••	***	•••	
San Luis Valley	•••	•••		•••		••••	•••			
Baca						•••				
Bent						•••				
Crowley	300	300	2,000	6,000	•••	•••	***	300	2,000	6,000
Examont			•••		•••	•••	•••			
Huerford								•••		
			•••			•••	•••			
Otero				17.000						
Prowers	900	800	2,130	17,000	•••			800	2,130	17,000
Pueblo	3 300	1 400	2 200	22.000	1.500	520	000.9	2 000	1 200	
Southeast	4 500	2 500	2,290	52,000	1,500	530	8,000	2,900	1,380	40,000
	4,000	2,500	2,200	55,000	1,500	550	0,000	7,000	1,500	05,000
State Total	135,000	100,000	2,120	2,120,000	20,000	800	160,000	120,000	1,900	2,280,000

Dry Beans: Acreage and production by county and district, Colorado, 1997, continued



Dry Beans: Production by County, Colorado, 1998 with Ranking of First Five Counties

Dry Beans: Acreage and production by county and district, Colorado, 1998

			Irrigated		N	Ion-Irrigate	d		Total		
County and District	Acreage planted	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	Acreage har- vested	Yield per acre	Pro- duc- tion	
	Acres	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	Acres	Lbs.	Cwt.	
Chaffee Clear Creek				 							
Eagle		•••	•••		•••		•••	• •••	•••	•••	
Gilpin	•••	•••	•••	•••		•••		• •••	•••		
Grand	•••		•••	•••	•••		•••				
Gunnison							•••	•••	•••	•••	
Jackson	***	•••	•••		•••	•••	•••	•••	•••	•••	
		•••	•••	•••	•••	•••	•••		•••	•••	
Mottat		•••	•••	•••	•••			••••	•••	•••	
Park	•••	•••						•••	•••	•••	
Pitkin		•••	•••	•••		•••	•••	•••	•••	•••	
Rio Blanco	•••					•••	•••	•••	•••	•••	
Koutt		•••	•••		•••	•••	•••		•••		
Summit					•••		•••	•••	•••	•••	
	•••	•••			•••	•••	•••	•••	•••	•••	
N W & Wountain	***	***	•••	***	•••	***	•••	••••	***	***	
Boulder	500	500	2000	10,000	•••			500	2,000	10,000	
Jefferson		•••				•••		•••	•••	•••	
Larimer	5,200	5,000	1760	88,000	•••			5,000	1,760	88,000	
Logan	3,800	3,000	2030	61,000	500	1000	5,000	3,500	1,890	66,000	
Morgan	5,800	5,500	2180	120,000	•••	•••	•••	5,500	2,180	120,000	
Sedgwick	6,700	5,000	2080	104,000	1,000	1300	13,000	6,000	1,950	117,000	
Weld	27,000	24,500	2290	562,000				24,500	2,290	562,000	
Northeast	49,000	43,500	2170	945,000	1,500	1200	18,000	45,000	2,140	963,000	

			Irrigated		N	on-Irrigate	d		Total	
Country		A	Viald	Dro	Acrongo	Viald	Dro	Acrosso	Viald	Dro
County	Acreage	Acreage	ner	duc-	hore	ner	duc-	har	ner	duc-
District	nlanted	vested	acre	tion	vested	acre	tion	vested	acre	tion
	Acres	Acres	Ibs	Cwt	Acres	Lbs	Cwt	Acres	I bs	Cwt
	Acres	Acres	LUS.	Cwt.	Acres	L05.	Cwt.	Acres	1,05.	Cwi.
Adams	600	600	2,500	15,000		•••		600	2,500	15,000
Arapahoe									•••	•••
Cheyenne		•••		•••		•••	* • •	•••		•••
Denver		•••				•••	***	***		•••
Douglas			•••	•••	•••	•••	•••	•••	***	•••
Elbert		•••	* * *						•••	
El Paso		•••	•••				•••			•••
Kiowa			•••	•••					•••	•••
Kit Carson	18,200	16,000	2,160	345,000	500	860	4,300	16,500	2,120	349,300
Lincoln										
Phillips	13,600	12,200	2,250	275,000	300	1,300	3,900	12,500	2,230	278,900
Washington .	5,300	4,000	2,050	82,000	400	1,130	4,500	4,400	1,970	86,500
Yuma	29,300	25,700	2,250	578,000	300	770	2,300	26,000	2,230	580,300
East Central	67,000	58,500	2,210	1,295,000	1,500	1,000	15,000	60,000	2,180	1,310,000
Archuleta										
Delta	2,600	2,400	2,290	55,000				2,400	2,290	55,000
Dolores	28,100	4,200	1,690	71,000	21,800	390	84,000	26,000	600	155,000
Garfield										
Hinsdale										
La Plata	500		•••		500	320	1,600	500	320	1,600
Mesa	800	800	2,250	18,000				800	2,250	18,000
Montezuma	5,700	600	1,830	11,000	4,700	290	13,400	5,300	460	24,400
Montrose	10,800	10,000	2,450	245,000				10,000	2,450	245,000
Ouray			•••							
San Juan		•••		•••						
San Miguel		* * *			•••		•••	•••	•••	•••
Southwest	48,500	18,000	2,220	400,000	27,000	370	99,000	45,000	1,110	499,000
Alamosa										•••
Conejos										
Costilla			•••							
Mineral										
Rio Grande	•••									
Saguache	***	•••								
San Luis Valley	090		***	***	•••	***	***	***	***	***
Baca										
Bent		***								
Crowley	•••	***	•••	***		•••			•••	•••
Custer	•••	***		***	***	•••	•••	•••		***
Fremont										***
Huerfano		•••	•••	•••	•••	•••	•••	•••		•••
Las Animas		•••								***
Otero	1.000	900	2.000	18.000				900	2.000	18 000
Prowers	1,000	,00	2,000	10,000				,00	2,000	10,000
Pueblo	4,500	2.600	2,770	72.000	1.500	400	6.000	4.100	1,900	78.000
Southeast	5,500	3,500	2,570	90,000	1,500	400	6,000	5,000	1,920	96,000
State Total	170.000	133 500	3 310	3 730 000	31 80.0	4.40	120.000	155.000	1.050	3 848 000
state Total	1/0,000	123,500	2,210	2,730,000	31,500	440	138,000	155,000	1,850	2,808,000

Dry Beans: Acreage and production by county and district, Colorado, 1998, continued

	Acreage planted	Acreage harvested	Yield per acre	Production
Year	Acres	Acres	Pounds	Hundredweight
		Na	ivy	
1993	1,700	1.000	1.700	17.000
1994	2,000	2,000	1,800	36,000
1995	800	800	1,750	14,000
1996	1/	1/	1/	1/
1997	200	200	1,500	3,000
1998	600	600	1,500	9,000
		Light Re	d Kidney	
1993	12,800	8,500	1,160	99,000
1994	8,700	8,500	1,810	154,000
1995	14,500	13,500	1,950	263,000
1996	8,700	8,200	1,390	114,000
1997	12,200	11,200	2,210	248,000
1998	10,000	9,400	1,810	170,000
		Great N	lorthern	
1993	200	200	1.000	2,000
1994	900	900	1,560	14,000
1995	4,000	4,000	1,600	64,000
1996	1,300	1,300	1.620	21.000
1997	300	300	1.670	5.000
1998	200	200	1,500	3,000
		Pin	nto	
1993	186 500	172 000	1 420	2 438 000
1994	191 200	181 500	1,600	2,450,000
1995	164 500	140 700	1,530	2,512,000
1996	134 700	115 200	1,830	2,112,000
1007	119 000	105 500	1,890	1 991 000
1998	152,000	138,000	1,900	2,617,000
		Black Tu	rtle Soup	
1993	2,900	2 600	1.730	45 000
1994	600	600	1.670	10.000
1995	1 000	1 000	1,900	19,000
1996	1/	1/	1/	1/
1997	2.000	1.600	500	8.000
1998	700	500	1,800	9,000
		Oth	her	
1993	900	700	1,140	8,000
1994	1,600	1,500	930	14,000
1995	5.200	5.000	800	40,000
1996	300	300	1,000	3,000
1997	1,300	1,200	2.080	25,000
1998	6,500	6,300	950	60,000
		То	tal	
1993	205.000	185.000	1,410	2,609,000
1994	205.000	195.000	1.610	3,140.000
1995	190.000	165.000	1.550	2,558.000
1996	145.000	125.000	1.800	2,250,000
1997	135.000	120.000	1.900	2,280,000
1998	170,000	155,000	1,850	2,868,000

Dry Beans: Acreage, yield and production by class, Colorado, 1993-98

1/ Not estimated.

		19	97		1998					
County	Acı	eage	Yield		Acr	eage	Yield			
	Planted	Harvested	per acre	Production	Planted	Harvested	per acre	Production		
	Ac	eres	Cwt	1,000 Cwt	Ac	eres	Cwt	1,000 Cwt		
Alamosa	28,400	28,300	310	8,775	28,200	28,200	350	9,840		
Conejos	1,900	1,900	275	523	1,700	1,700	295	500		
Costilla	4,300	4,300	340	1,460	4,900	4,800	365	1,750		
Morgan	1,200	1,200	345	414	1,300	1,300	350	455		
Rio Grande	24,200	24,200	350	8,410	23,000	23,000	325	7,450		
Saguache	18,200	18,200	320	5,825	18,000	18,000	325	5,820		
Weld	3,600	3,500	315	1,098	3,600	3,500	320	1,125		
Yuma	1,900	1,800	410	735	1,800	1,700	395	670		
Other counties	1,100	1 100	305	337	1,000	1,000	340	338		
State Total	84,800	84,500	326	27,577	83,500	83,200	336	27,948		

Potatoes: Acreage and production by county, Colorado, 1997-1998

Potatoes: Production and disposition by seasonal group, Colorado, 1988-97

		:	Summer Cro	р		Fall Crop					
			Farm Di	sposition				Farm D	isposition		
Year Production		Seed		S	old	Production	Seed		Sold		
real		feed & home use	Shrinkage & loss	Quantity	% of Production		feed & home use	Shrinkage & loss	Quantity	% of Production	
	1,000	Cwt	1,000	Cwt Percent		1,000 Cwt		1,000	1,000 Cwt		
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	
1990	2,124	3	125	1,996	94	22,750	1,140	2,685	18,925	83	
1991	2,036	6	104	1,926	95	23,800	1,295	2,492	20,013	84	
1992	2,010	5	110	1,895	94	22,110	1,310	1,825	18,975	86	
1993	2,542	5	100	2,437	96	25,270	1,200	2,040	22,030	87	
1994	3,069	6	174	2,889	94	25,795	1,210	2,040	22,545	87	
1995	2,776	5	129	2,642	95	23,808	1,285	2,048	20,475	86	
1996	3,381	5	206	3,170	94	29,175	1,485	3,975	23,715	81	
1997	2,584	5	143	2,436	94	24,993	1,340	2,773	20,880	84	

Fall Potatoes: Production and stocks, Colorado, 1989-99

			Stocks and percent of production held by growers and commercial storages										
	Production	Deceml	ber 1	Januar	y 1	Februa	February 1		. 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	%
1989-90	20,603	15,650	76	13,750	67	11,700	57	9,850	48	7,600	37	5,600	27
1990-91	22,750	16,550	73	14,400	63	11,800	52	9,950	44	7,700	34	5,650	25
1991-92	23,800	17,850	75	15,600	66	13,150	55	11,250	47	8,750	37	6,150	26
1992-93	22,110	17,700	80	15,500	70	13,600	62	11,800	53	9,400	43	6,900	31
1993-94	25,270	18,250	72	15,800	63	13,300	53	10,900	43	8,350	33	6,100	24
1994-95	25,795	18,900	73	16,300	63	13,700	53	11,300	44	8,500	33	6,100	24
1995-96	23,808	18,200	76	16,100	68	13,400	56	11,200	47	9,100	38	6,200	26
1996-97	29,175	23,100	79	20,700	71	18,100	62	15,500	53	12,900	44	9,900	34
1997-98	24,993	19,400	78	17,000	68	14,700	59	12,800	51	10,500	42	7,700	31
1998-99	25,360	18,800	74	16,300	64	14,000	55	11,800	47	9,100	36	6,400	25

ALL HAY Average Yield 1986 - 98

Tons Per Acre



An may. Acreage and production by county and district, Colorado, 1997	All Hay:	Acreage and	production b	y county and	district,	Colorado, 199	7
---	----------	-------------	--------------	--------------	-----------	---------------	---

		lrrigated		No	n-Irrigated	1	Total			
County		Yield			Yield			Yield		
and	Acreage	per		Acreage	per		Acreage	per		
District	Harvested	acre	Production	Harvested	acre	Production	Harvested	acre	Production	
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons	
Chaffee	15,300	2.50	38,500	1,200	1.25	1,500	16,500	2.40	40,000	
Clear Creek	500	2.00	1,000				500	2.00	1,000	
Eagle	14,700	2.20	32,500	1,300	1.55	2,000	16,000	2.15	34,500	
Gilpin					•••			•••		
Grand	26,100	1.65	43,000	1,500	1.35	2,000	27,600	1.65	45,000	
Gunnison	27,900	1.45	41,100	1,500	1.35	2,000	29,400	1.45	43,100	
Jackson	75,000	1.40	105,000	6,000	1.25	7,500	81,000	1.40	112,500	
Lake	500	1.00	500				500	1.00	500	
Moffat	17,100	2.50	43,000	15,900	1.40	21,900	33,000	1.95	64,900	
Park	9,000	1.20	11,000	1,500	1.35	2,000	10,500	1.25	13,000	
Pitkin	6,500	1.75	11,400	1,000	1.50	1,500	7,500	1.70	12,900	
Rio Blanco	21,800	2.65	57,500	3,700	1.60	6,000	25,500	2.50	63,500	
Routt	34,600	2.45	85,000	13,400	1.75	23,400	48,000	2.25	108,400	
Summit	6,000	1.90	11,500				6,000	1.90	11,500	
Teller	2,000	2.00	4,000	1,000	1.20	1,200	3,000	1.75	5,200	
NW & Mountain	257,000	1.90	485,000	48,000	1.50	71,000	305,000	1.80	556,000	
Boulder	20,500	3.10	64,000	4,000	1.60	6,400	24,500	2.85	70,400	
Jefferson	1,700	3.55	6,000	3,000	1.05	3,200	4,700	1.95	9,200	
Larimer	35,200	3.65	129,000	5,300	1.15	6,100	40,500	3.35	135,100	
Logan	35,000	4.50	157,000	12,500	1.60	19,900	47,500	3.70	176,900	
Morgan	27,800	4.80	134,000	5,000	1.50	7,400	32,800	4.30	141,400	
Sedgwick	6,800	4.85	33,000	1,200	1.40	1,700	8,000	4.35	34,700	
Weld	102,000	4.70	480,000	25,000	1.70	42,300	127,000	4.10	522,300	
Northeast	229,000	4.40	1,003,000	56,000	1.55	87,000	285,000	3.80	1,090,000	

		Irrigated		No	n-lrrigated	1	/ /	Total	
County		Vield			Vield			Vield	
and	Acteage	ner		Acreage	per		Acreage	per	
District	Harvested	acre	Production	Harvested	acre	Production	Harvested	acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
	TREE CS	1 0115			10110	1010)	110100	A ONIS	A OND
Adams	9,300	4.10	38,000	6,200	1.40	8,700	15,500	3.00	46,700
Arapahoe	3,900	3.20	12,500	8,100	1.75	14,300	12,000	2.25	26,800
Cheyenne	1,600	3.15	5,000	6,400	1.80	11,500	8,000	2.05	16,500
Denver									
Douglas	4,000	3.00	12,000	8,500	1.35	11,600	12,500	1.90	23,600
Elbert	8,500	3.25	27,500	25,000	1.50	37,100	33,500	1.95	64,600
El Paso	9,000	2.90	26,000	18,000	1.60	29,200	27,000	2.05	55,200
Kiowa	1,500	3.35	5,000	5,000	2.05	10,200	6,500	2.35	15,200
Kit Carson	8,500	4.70	40,000	10,500	1.85	19,500	19,000	3.15	59,500
Lincoln	3,300	3.20	10,500	23,700	1.70	40,500	27,000	1.90	51,000
Phillips	1,700	6.20	10,500	2,300	1.50	3,400	4,000	3.50	13,900
Washington .	10,000	4.80	48,000	21,000	2.00	42,200	31,000	2.90	90,200
Yuma	18,700	5.10	95,000	10,300	2.10	21,800	29,000	4.05	116,800
East Central	80,000	4.15	330,000	145,000	1.70	250,000	225,000	2.60	580,000
Archuleta	4,000	2.95	11,700	1,000	2.20	2,200	5,000	2.80	13,900
Delta	30,500	3.15	96,500	1,500	1.85	2,800	32,000	3.10	99,300
Dolores	7,100	4.50	32,000	4,900	1.65	8,200	12,000	3.35	40,200
Garfield	35,400	2.60	91,500	1,600	1.75	2,800	37,000	2.55	94,300
Hinsdale	500	1.60	800				500	1.60	800
La Plata	29,500	3.20	94,500	4,500	2.40	10,900	34,000	3.10	105,400
Mesa	36,500	3.50	127,000	1,000	2.20	2,200	37,500	3.45	129,200
Montezuma	43,300	4.00	174,000	6,700	1.55	10,500	50,000	3.70	184,500
Montrose	35,000	3.45	121,500	1,500	2.15	3,200	36,500	3.40	124,700
Ouray	9,000	2.65	24,000	1,000	1.70	1,700	10,000	2.55	25,700
San Juan	•••		***	•••	•••			•••	
San Miguel	5,200	3.15	16,500	300	1.65	500	5,500	3.10	17,000
Southwest	236,000	3.35	790,000	24,000	1.90	45,000	260,000	3.20	835,000
Alamana	20 (00	2.00	111.000	400	1.50	(00	10.000	0.00	111 (00
Alamosa	39,600	2.80	111,000	400	1.50	600	40,000	2.80	111,600
Conejos	81,000	2.50	202,000	2,000	1.40	2,800	83,000	2.45	204,800
Minoral	22,100	3.40	/5,500	400	1.50	600	22,500	3.40	76,100
Dio Grando		2 50	150 500		1 70				
Kio Oralide	45,800	3.30	139,300	/00	1.70	1,200	46,500	3.45	160,700
Saguache	265.000	2.40	730,000	1,300	1.20	7,000	78,000	2.33	185,800
San Luis Valley	205,000	2.15	/30,000	5,000	1.40	7,000	270,000	2.15	/3/,000
Baca	6 800	5 35	36 500	9 200	1.60	14 800	16,000	3 20	51 300
Bent	37 400	3.95	147 000	2 100	1.00	2 700	39,500	3.80	149 700
Crowley	8 700	3 85	33 500	1 300	1.50	1,900	10,000	3 55	35 400
Custer	14.600	3.10	45,000	1,500	1.70	3 200	16 500	2.90	48 200
Fremont	8,300	3.00	25,000	400	1.70	700	8 700	2.90	25 700
Huerfano	12,300	2.65	32,500	1 000	1.60	1 600	13 300	2.55	34 100
Las Animas	19,700	3.40	67.000	4 700	1.50	7 100	24 400	3.05	74 100
Otero	25,800	4.60	119,000	200	1.50	300	26,000	4.60	119 300
Prowers	68,800	4.70	323,000	3 000	2.10	6 300	71.800	4.60	329 300
Pueblo	15,600	4.45	69 500	3 200	1.40	4 400	18 800	3.95	73,900
Southeast	218.000	4.10	898.000	27.000	1.60	43.000	245.000	3.85	941.000
	220,000		0,0,000	2,,000	1.00	10,000	_ 10,000	5.00	, 11,000
State Total	1,285,000	3.30	4,236,000	305,000	1.65	503,000	1,590,000	2.98	4,739,000

All Hay: Acreage and production by county and district, Colorado, 1997, continued



All Hay: Production by County, Colorado, 1998 with Ranking of First Five Counties

All Hay: Acreage and production by county and district, Colorado, 1998

]	Irrigated		No	n-Irrigate	d		Total	
County and	Acreage	Yield per		Acreage	Yield per		Acreage	Yield per	
District	Harvested	acre	Production	Harvested	acre	Production	Harvested	acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Chaffee	13,200	2.30	30,600	800	1.25	1,000	14,000	2.25	31,600
Clear Creek	500	1.40	700				500	1.40	700
Eagle	11,300	1.65	18,700	700	1.45	1,000	12,000	1.65	19,700
Gilpin									
Grand	17,900	1.55	27,600	1,000	1.30	1,300	18,900	1.55	28,900
Gunnison	25,300	1.85	47,100	1,300	1.30	1,700	26,600	1.85	48,800
Jackson	72,600	1.70	125,000	5,400	1.20	6,500	78,000	1.70	131,500
Lake	500	1.00	500				500	1.00	500
Moffat	16,700	2.55	43,000	13,300	1.30	17,200	30,000	2.00	60,200
Park	6,700	1.25	8,500	1,300	1.10	1,400	8,000	1.25	9,900
Pitkin	5,300	1.50	7,900	700	1.30	900	6,000	1.45	8,800
Rio Blanco	15,400	2.70	41,200	2,100	1.55	3,300	17,500	2.55	44,500
Routt	33,800	2.30	76,900	12,700	1.70	21,700	46,500	2.10	98,600
Summit	4,500	1.10	5,000				4,500	1.10	5,000
Teller	1,300	1.75	2,300	700	1.45	1,000	2,000	1.65	3,300
NW & Mountain	225,000	1.95	435,000	40,000	1.45	57,000	265,000	1.85	492,000
Boulder	16,000	3.75	59,700	3,000	1.55	4,600	19,000	3.40	64,300
Jefferson	1,500	5.00	7,500	2,500	1.10	2,700	4,000	2.55	10,200
Larimer	27,400	3.95	107,600	3,600	1.10	3,900	31,000	3.60	111,500
Logan	35,300	5.10	180,800	12,200	1.60	19,700	47,500	4.20	200,500
Morgan	28,300	5.50	155,000	4,700	1.25	5,800	33,000	4.85	160,800
Sedgwick	6,500	5.25	34,200	1,000	1.70	1,700	7,500	4.80	35,900
Weld	98,000	5.35	524,200	20,000	1.75	34,600	118,000	4.75	558,800
Northeast	213,000	5.00	1,069,000	47,000	1.55	73,000	260,000	4.40	1,142,000

Colorado Agricultural Statistics 1999

		Irrigated			No	n-lrrigated	i		Total	
County		Yield				Yield			Yield	
and	Acreage	per		А	creage	per		Acreage	per	
District	Harvested	acre	Production	Ha	rvested	acre	Production	Harvested	acre	Production
	Acres	Tons	Tons	l	Acres	Tons	Tons	Acres	Tons	Tons
	10.000	5.00	51 700		(000	1.40	0.700	16 500	2.45	(0.400
Adams	10,300	5.00	51,700		6,200	1.40	8,700	16,500	3.65	60,400
Arapahoe	3,600	3.55	12,700		4,900	1.65	8,100	8,500	2.45	20,800
Cheyenne	1,000	4.30	4,300		6,300	2.05	12,900	7,300	2.35	17,200
Denver										
Douglas	3,200	4.05	13,000		8,200	1.25	10,400	11,400	2.05	23,400
Elbert	10,100	4.20	42,300		21,400	1.30	28,000	31,500	2.25	/0,300
El Paso	9,200	3.35	31,000		13,300	1.70	22,400	22,500	2.35	53,400
Kiowa	1,500	3.35	5,000		3,200	2.15	6,800	4,700	2.50	11,800
Kit Carson	7,500	5.35	40,000		10,200	2.00	20,200	17,700	3.40	60,200
Lincoln	3,500	3.30	11,500		21,800	1.75	38,500	25,300	2.00	50,000
Phillips	1,900	6.85	13,000		3,200	2.30	7,300	5,100	4.00	20,300
Washington .	9,500	5.60	53,000		19,500	1.80	34,800	29,000	3.05	87,800
Yuma	17,700	5.85	103,500		7,800	2.15	16,900	25,500	4.70	120,400
East Central	79,000	4.80	381,000		126,000	1.70	215,000	205,000	2.90	596,000
Archuleta	3,300	3.65	12,000		700	1.70	1,200	4,000	3.30	13,200
Delta	28.800	3.45	99.000		1.200	1.75	2,100	30,000	3.35	101.100
Dolores	6.200	4.80	29,700		4,800	1.50	7,100	11,000	3.35	36.800
Garfield	33,900	2.85	97,000		1,100	2.00	2,200	35,000	2.85	99.200
Hinsdale	500	3.00	1,500		-,			500	3.00	1.500
La Plata	26,600	2.80	75.000		3.400	2.40	8.200	30.000	2.75	83.200
Mesa	33.800	3.35	112.700		1.200	1.90	2.300	35,000	3.30	115.000
Montezuma	39,800	4.30	171.000		6.200	1.55	9,700	46.000	3.95	180,700
Montrose	29,900	3.50	104,800		1,100	1.65	1.800	31.000	3.45	106.600
Ouray	7,200	2.30	16,400		800	1.75	1,400	8,000	2.25	17.800
San Juan										,
San Miguel	4,000	2.75	10,900		500	2.00	1,000	4,500	2.65	11,900
Southwest	214,000	3.40	730,000		21,000	1.75	37,000	235,000	3.25	767,000
Alamosa	32,600	3.50	113,500		400	1.50	600	33,000	3.45	114,100
Conejos	63,000	2.85	178,500		1,000	1.30	1,300	64,000	2.80	179,800
Costilla	20,700	4.10	84,800		300	1.35	400	21,000	4.05	85,200
Mineral						•••				
Rio Grande	41,500	3.75	155,600		500	1.60	800	42,000	3.70	156,400
Saguache	64,200	2.70	172,600		800	1.15	900	65,000	2.65	173,500
San Luis Valley	222,000	3.20	705,000		3,000	1.35	4,000	225,000	3.15	709,000
Baca	6.000	5.35	32,100		7.500	1.50	11.300	13,500	3.20	43,400
Bent	37,900	4.60	173,500		1.600	1.45	2.300	39,500	4.45	175.800
Crowley	7,200	4.75	34.300		1.800	1.55	2,800	9.000	4.10	37.100
Custer	11,600	2.80	32,300		1.400	1.35	1.900	13.000	2.65	34.200
Fremont	8.000	3.65	29 300		500	1.60	800	8,500	3.55	30,100
Huerfano	10.600	3.50	37,300		900	1.55	1.400	11.500	3.35	38,700
Las Animas	18,900	3.30	62,400		4.100	1.65	6.800	23.000	3.00	69.200
Otero	22.300	4.65	104 000		200	1.50	300	22,500	4.65	104.300
Prowers	59,500	4.85	288 300		2 500	2.10	5.200	62,000	4.75	293 500
Pueblo	15,000	4.45	66 500		2,500	1.30	3,200	17,500	4.00	69,700
Southeast	197,000	4.35	860,000		23,000	1.55	36,000	220,000	4.05	896,000
	.,		,				-,	.,		-,
State Total	1,150,000	3.65	4,180,000		260,000	1.60	422,000	1,410,000	3.26	4,602,000

All Hay: Acreage and production by county and district, Colorado, 1998, continued

ALFALFA HAY Average Yield 1986 - 98

Tons Per Acre



Alfalfa Hay: Acreage and production by county and district, Colorado, 1997

		Irrigated		No	n-Irrigated	1	Total			
County and District	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	
Chaffee	6,300	3.00	19,000	200	1.50	300	6,500	2.95	19,300	
Eagle	5,700	2.65	15.000	300	1.65	500	6,000	2.60	15,500	
Gilpin							••••		•••	
Grand	1,600	1.90	3,000				1,600	1.90	3,000	
Gunnison	1,400	2.55	3,600				1,400	2.55	3,600	
Jackson	•••			•••						
Lake						•••				
Moffat	9,000	2.55	23,000	10,500	1.50	16,000	19,500	2.00	39,000	
Park										
Pitkin	5,000	1.80	8,900	500	1.60	800	5,500	1.75	9,700	
Rio Blanco	4,500	2.80	12,500	1,500	1.35	2,000	6,000	2.40	14,500	
Routt	3,500	2.85	10,000	10,000	1.95	19,400	13,500	2.20	29,400	
Summit					•••		***	•••		
Teller	•••			•••			•••			
NW & Mountain	37,000	2.55	95,000	23,000	1.70	39,000	60,000	2.25	134,000	
Boulder	11,500	3.50	40,000	1,000	1.90	1,900	12,500	3.35	41,900	
Jefferson	1,000	5.00	5,000	500	1.40	700	1,500	3.80	5,700	
Larimer	21,700	4.60	100,000	1,300	1.60	2,100	23,000	4.45	102,100	
Logan	31,000	4.85	150,000	2,500	1.55	3,900	33,500	4.60	153,900	
Morgan	26,000	5.00	130,000	1,500	1.55	2,300	27,500	4.80	132,300	
Sedgwick	5,300	5.65	30,000	200	1.50	300	5,500	5.50	30,300	
Weld	88,500	5.05	445,000	3,000	1.95	5,800	91,500	4.95	450,800	
Northeast	185,000	4.85	900,000	10,000	1.70	17,000	195,000	4.70	917,000	

		Irrigated		No	on-Irrigated	1		Total	
County		Yield			Yield			Yield	
and	Acreage	per		Acreage	per		Acreage	per	
District	Harvested	acre	Production	Harvested	acre	Production	Harvested	acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
A 1	7.000	4.50	25.000	1 700	1.60	2 700	0.500	2.05	27 700
Adams	7,800	4.50	35,000	1,700	1.00	2,700	9,500	3.95	37,700
Arapanoe	2,400	5.95	3,000	400	1.55	500	3,000	2.45	3 500
Denver	000	5.00	5,000	400	1.40	500	1,000	5.50	5,500
Douglas	2 000	4 50	 000.9	2 000	1.30	2 600	4 000	2 90	11.600
Flbert	6 500	3 5 5	23,000	13,000	1.30	15 600	19,500	2.00	38,600
El Paso	6,000	3 35	20,000	6 000	1.20	10,000	12,000	2.50	30,200
Kiowa	1.000	3.50	3,500	1.000	1.20	1.200	2.000	2.35	4,700
Kit Carson	6.000	5.35	32,000	1,000	1.50	1,500	7.000	4.80	33,500
Lincoln	1,300	5.00	6,500	2,700	1.30	3.500	4,000	2.50	10.000
Phillips	1,700	6.20	10,500	300	1.35	400	2,000	5.45	10,900
Washington .	8,000	5.40	43,000	2,000	2.10	4,200	10,000	4.70	47,200
Yuma	14,700	5.80	85,000	1,300	1.40	1,800	16,000	5.45	86,800
East Central	58,000	4.85	280,000	32,000	1.40	45,000	90,000	3.60	325,000
Archuleta	2,000	4.00	8,000	500	2.60	1,300	2,500	3.70	9,300
Delta	21,500	3.50	75,000	500	1.60	800	22,000	3.45	75,800
Dolores	6,100	4.90	30,000	4,900	1.65	8,200	11,000	3.45	38,200
Garfield	28,000	2.70	/6,000	500	2.20	1,100	28,500	2.70	//,100
La Plata	17 000	2 5 5		1.000	 2 70	 2 700		2 50	
La riata Masa	20,000	3.55	106,000	500	2.70	2,700	29,500	3.50	107 200
Montezuma	36,000	4 30	155,000	6.000	1.55	9 300	42 000	3.00	164 300
Montrose	24 500	3.90	95,000	500	2.60	1,300	25,000	3.85	96 300
Ouray	1,600	3.75	6,000	400	1.75	700	2.000	3.35	6.700
San Juan			***			***			
San Miguel	4,300	3.25	14,000	200	2.00	400	4,500	3.20	14,400
Southwest	170,000	3.70	625,000	15,000	1.80	27,000	185,000	3.50	652,000
Alamaaa	24.000	2 55	85.000				24.000	2.55	85.000
Consiss	24,000	3.33	85,000		•••	•••	24,000	3.33	85,000
Costilla	43,000	2.00	60,000			***	45,000	2.00	130,000
Mineral	15,500	5.05	00,000		***	•••	15,500	5.05	00,000
Rio Grande	24,500	4.50	110.000	•••	•••	•••	24,500	4.50	110.000
Saguache	23.000	3.70	85.000				23,000	3.70	85.000
San Luis Valley	130,000	3.60	470,000				130,000	3.60	470,000
_									
Baca	4,800	6.25	30,000	200	1.50	300	5,000	6.05	30,300
Bent	32,200	4.10	132,000	300	1.65	500	32,500	4.10	132,500
Crowley	7,000	4.00	28,000	500	1.60	800	7,500	3.85	28,800
Custer	2,100	3.35	7,000	400	1.00	400	2,500	2.95	7,400
Huerfano	5,500	3.10	17,000		1.40		3,500	3.10	17,000
Las Animas	15 800	2.80	21,000	500	1.40	2 200	17 500	2.70	21,700
Otero	21 800	1.80	105 000	1,700	1.93	3,300	22,000	1.40	105 300
Prowers	66,000	4.00	315,000	500	1.50	800	66 500	4.00	315.800
Pueblo	12.300	4.70	58,000	700	1.30	900	13 000	4.55	58,900
Southeast	175,000	4.40	770,000	5,000	1.60	8,000	180,000	4.30	778,000
State Tetal	755 000	4	2 4 40 000	0.5.000	1 (0	132.000	0.40.000	2.00	2.257.000
state 10tal	/55,000	4.15	3,140,000	85,000	1.60	136,000	840,000	3.90	3,276,000

Alfalfa Hay: Acreage and production by county and district, Colorado, 1997, continued



Alfalfa Hay: Production by County, Colorado, 1998 with Ranking of First Five Counties

Alfalfa Hay: Acreage and production by county and district, Colorado, 1998

		Irrigated		No	n-Irrigated	1	Total			
County and District	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	
Chaffee	5,000	3.00	15,000	•••			5,000	3.00	15,000	
Clear Creek							•••			
Eagle	4,000	2.50	10,000				4,000	2.50	10,000	
Gilpin	•••		•••			•••				
Grand	900	2.55	2,300	***		•••	900	2.55	2,300	
Gunnison	1,600	3.00	4,800				1,600	3.00	4,800	
Jackson			•••	***		•••				
Lake				•••		•••			•••	
Moffat	10,600	2.65	28,000	9,400	1.40	13,300	20,000	2.05	41,300	
Park		•••		•••						
Pitkin	4,200	1.50	6,400	300	1.35	400	4,500	1.50	6,800	
Rio Blanco	4,700	2.75	13,000	800	1.25	1,000	5,500	2.55	14,000	
Routt	4,000	2.65	10,500	9,500	1.80	17,300	13,500	2.05	27,800	
Summit	•••					•••				
Teller			•••				•••	•••	***	
NW & Mountain	35,000	2.55	90,000	20,000	1.60	32,000	55,000	2.20	122,000	
Boulder	9,200	4.45	41,000	800	2.00	1,600	10,000	4.25	42,600	
Jefferson	1,000	6.00	6,000	500	1.40	700	1,500	4.45	6,700	
Larimer	19,700	4.65	92,000	1,300	1.25	1,600	21,000	4.45	93,600	
Logan	31,300	5.45	170,000	2,700	1.55	4,200	34,000	5.10	174,200	
Morgan	26,500	5.65	150,000	1,500	1.35	2,000	28,000	5.45	152,000	
Sedgwick	5,300	5.85	31,000	200	1.50	300	5,500	5.70	31,300	
Weld	87,000	5.65	490,000	3,000	2.20	6,600	90,000	5.50	496,600	
Northeast	180,000	5.45	980,000	10,000	1.70	17,000	190,000	5.25	997,000	

Colorado Agricultural Statistics 1999

County District Accrage Harvested Vield Production Accrage Harvested Vield Production Accrage Harvested Vield Production Accrage Harvested Vield Production Acres Tons Tons Acres Tons Acres Production Acres Tons			Irrigated		No	n-Irrigated	ł		Total	
and District Accreage scre Production Harvessed Harvessed Acres acres Production Harvessed Harvessed production Acres Tons Acres Tons Acres Tons	County		Yield			Yield			Yield	
District Harvested are Production Harvested are Production Adams 0.30 5.40 50.00 1700 1.60 2.700 4.75 10.00 1.00 1.00 1.00 1.00 0.00 2.500 3.00 2.500 3.00 1.25 500 2.500 4.20 10.500 Cheyenne 500 5.00 2.500 3.00 1.35 400 3.00 3.00 2.900 Deaver	and	Acreage	per		Acreage	per		Acreage	per	
Acres Tons Tons Acres Tons Acres Tons Tons Adams 9,300 5,40 50,000 1,700 16.00 2,700 11,000 4.80 52,700 Anpahoe 500 5.00 2,500 4.20 11,200 11,400 Denver m </td <td>District</td> <td>Harvested</td> <td>acre</td> <td>Production</td> <td>Harvested</td> <td>acre</td> <td>Production</td> <td>Harvested</td> <td>acre</td> <td>Production</td>	District	Harvested	acre	Production	Harvested	acre	Production	Harvested	acre	Production
Adams 9,300 5,40 50,000 1,700 1,60 2,700 4,100 4,80 52,700 Cheyene 300 5,00 5,00 2,500 4,20 10,500 Douglas 1,700 5,30 9,000 1,35 400 800 3,65 2,200 Douglas 1,700 5,30 9,000 1,10 14,000 2,150 2,35 51,000 ElPaso 6,500 4,00 2,600 6,000 1,55 800 1,700 2,80 3,600 Kii Carson 1,600 4,00 4,000 700 1,700 2,80 4,300 2,55 1,1000 Phillips 1,000 6,85 13,000 2,00 1,50 3,00 2,50 3,50 4,30 2,55 8,500 Yama 1,450 6,55 95,000 1,600 1,400 1,500 6,20 9,6400 Yama 1,450 6,55 95,000 1,45 6,500 1,		Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Arapabe 2.00 4.75 10.000 4.00 1.25 5.00 2.100 4.20 10.500 Cheyenne 300 5.00 2.000 300 1.35 400 800 3.65 2.900 Deglas 1.700 5.30 9.000 1.700 1.40 2.400 3.40 3.33 11.400 Deglas 6.500 4.00 2.6000 6.000 1.65 10.000 12.500 2.900 3.600 Kiewa 1.000 4.00 4.00 7.00 6.65 3.2000 7.00 1.70 1.200 5.700 5.63 3.2000 Lincoln 1.500 5.00 6.50 3.000 2.00 1.40 1.500 6.63 1.300 Viran 4.4500 6.55 9.5000 1.000 1.35 4.000 5.500 3.3000 Viran 4.500 5.59 330.000 300 1.40 1.500 6.500 1.000 Viran 4.00	Adams	9 300	5 40	50.000	1 700	1.60	2 700	11.000	4 80	52 700
Cheyenne 100 100 12	Aranahoe	2,100	4 75	10,000	400	1.00	500	2 500	4.00	10,500
Chrystink Dool	Chevenne	500	5.00	2 500	300	1.25	400	2,500	3.65	2 900
Douglas 1,700 5.30 9,000 1,700 1.40 2,400 3,400 3,35 11,400 Elbers 6,500 4.00 26,000 1,000 1,10 14,000 2,1500 2,35 51,000 Kiewa 1,000 4,00 26,000 6,000 1,25 0,000 1,200 2,700 5,63 32,200 Lincoln 1,500 5,00 7,500 2,800 1,200 4,300 2,55 11,000 Phillips 1,900 6,85 13,000 1,000 1,400 6,30 9,000 5,30 47,800 Yuma 1,4500 6,55 95,000 1,000 1,40 15,500 6,20 96,400 Archuleta 2,000 4,00 5,00 1,45 6,500 10,000 3,55 3,500 Dalores 5,500 5,25 29,000 1,45 6,500 10,000 3,55 3,500 Carfield 27,500 2,90 80,000 <t< td=""><td>Denver</td><td>500</td><td>5.00</td><td>2,500</td><td>500</td><td>1.00</td><td>100</td><td>000</td><td>5105</td><td>2,700</td></t<>	Denver	500	5.00	2,500	500	1.00	100	000	5105	2,700
Displant Bison	Douglas	1 700	5 30	9.000	1.700	1.40	2.400	3 400	3.35	11.400
El Paso 6,500 4,00 26,000 6,000 1.65 10,000 12,500 2.90 36,000 Kin Carson 5,000 6,20 31,000 700 1.15 800 1,700 2.80 4,800 Linecoln 1,500 5,00 7,500 2,800 1.25 3,500 4,300 2.55 11,000 Washington 7,500 6,00 1,500 3.00 2,100 6,35 13,300 Yuma 14,500 6,55 95,000 1,000 1,400 15,500 6,20 96,400 Patternal 60,000 5,50 330,000 30,000 1,43 1,400 15,500 6,20 96,400 Archuleta 2,000 4,000 5,00 1,45 6,500 10,000 3,55 35,500 Carfield 27,500 2,20 3,000 4,00 1,000 2,8,000 3,66 10,100 Minstale	Flbert	8 500	4 35	37,000	13,000	1.10	14.000	21,500	2.35	51,000
Kiowa 1.000 4.00 4.000 700 1.15 800 1.700 2.80 4.800 Ki Grason 5.000 6.20 31,000 700 1.70 1.200 5.700 5.65 32,200 Phillips 1,900 6.85 13,300 200 1.50 300 2,100 6.35 11,300 Yuma 14,500 6.55 95,000 1.000 1.40 14,000 96,400 Yuma 14,500 6.55 93,000 1.35 40,000 90,000 4.10 370,000 Delta . 2,100 5.50 33,000 500 1.60 800 2,500 3.50 8,800 Delta . 2,000 4,500 1.45 6,500 1.000 2,500 3.50 8,500 Garried <td< td=""><td>El Paso</td><td>6 500</td><td>4 00</td><td>26,000</td><td>6,000</td><td>1.65</td><td>10,000</td><td>12,500</td><td>2.90</td><td>36,000</td></td<>	El Paso	6 500	4 00	26,000	6,000	1.65	10,000	12,500	2.90	36,000
Kit Carson 5,000 6,20 31,000 700 1,70 1,200 5,700 5,65 32,200 Lincoln 1,500 5,00 7,500 2,800 1,23 3,500 4,300 2,55 11,000 Phillips 1,900 6,85 13,000 200 1,50 300 2,100 6,35 13,300 Washington 7,500 6,00 4,500 1,550 1,100 1,4500 6,55 95,000 1,000 1,450 6,550 30,000 1,45 4,0,000 90,000 4,10 370,000 Archuleta 2,000 4,00 8,000 500 1,60 800 2,500 3,50 8,800 Datores 5,500 5,25 29,000 4,500 1,45 6,500 1,000 2,35 3,500 5,270 0 1,800 2,90 81,000 1,45 6,000 2,90 81,000 1,400 Masta 2,700 1,800 2,50 52,700 1,600	Kiowa	1 000	4 00	4 000	700	1.15	800	1.700	2.80	4.800
Lincoln 1,500 5,00 7,500 2,800 1,25 3,500 4,300 2,55 11,000 Philips 1,900 6,85 13,000 200 1,50 300 2,100 6,35 13,300 Yuma 14,500 6,55 95,000 1,000 1,40 1,400 15,500 6,20 96,400 Archuleta 2,000 4,00 8,000 500 1,65 8,000 90,000 4,10 370,000 Delta 2,100 3,65 78,000 700 1,53 1,100 22,000 3,50 8,800 Delta 2,500 3,25 92,000 4,500 1,45 6,500 1,000 2,50 3,5,00 3,5,500 Garfield 2,7,500 2,90 80,000 2,00 1,000 2,500 3,60 9,000 3,55 3,5,500 Garfield 2,7,400 3,65 100,000 6,00 2,35 1,400 2,8,000 3,60 101,400	Kit Carson	5,000	6.20	31,000	700	1.70	1.200	5,700	5.65	32.200
Prililips 1.900 6.85 13.000 200 1.50 300 2.100 6.35 13.300 Washington 7,500 6.00 45.000 1.500 1.85 2.200 9.000 5.30 47.800 East Central 60,000 5.50 330,000 30,000 1.35 40,000 90,000 4.10 370,000 Archuleta 2.000 4.00 8.000 500 1.60 800 2.500 3.50 8.800 Dolores 5.500 5.25 29,000 4.501 1.55 1.100 22,000 3.50 8.800 Dolores 5.500 5.25 29,000 4.100 28,000 2.90 81,000 Mastale m<	Lincoln	1 500	5.00	7 500	2 800	1.25	3,500	4 300	2.55	11,000
Washington 7,500 6.00 45,000 1,500 1.85 2,800 9,000 5.30 47,800 Yuma 14,500 6.55 95,000 1,000 1.40 1,400 15,500 6.20 96,400 East Central 60,000 5.50 330,000 300,000 1.35 40,000 90,000 4.10 370,000 Archuleta 2,000 4.00 8,000 500 1.60 800 2,500 3,50 8,800 Data 21,300 3.65 78,000 700 1.55 1,100 22,000 3.60 79,100 Garrield 27,500 2.90 80,000 500 2.00 1,400 28,000 2.90 81,000 Hissale <td>Phillips</td> <td>1,900</td> <td>6.85</td> <td>13,000</td> <td>200</td> <td>1.50</td> <td>300</td> <td>2.100</td> <td>6.35</td> <td>13,300</td>	Phillips	1,900	6.85	13,000	200	1.50	300	2.100	6.35	13,300
Yuma 14,500 6.55 95,000 1,000 1,400 15,500 6.20 96,400 East Central 60,000 5.50 330,000 30,000 1.35 40,000 90,000 4.10 370,000 Archuleta 2,000 4.00 8,000 500 1.60 800 2,500 3.50 8,800 Delta 21,300 3.65 78,000 700 1.55 1,100 22,000 3.60 79,100 Dolores 5.500 5.25 29,000 4,500 1.45 6,500 10,000 28,000 2.90 81,000 Hinsdale </td <td>Washington</td> <td>7 500</td> <td>6.00</td> <td>45,000</td> <td>1.500</td> <td>1.85</td> <td>2.800</td> <td>9.000</td> <td>5.30</td> <td>47,800</td>	Washington	7 500	6.00	45,000	1.500	1.85	2.800	9.000	5.30	47,800
East Central 60,000 5.50 330,000 30,000 1.35 40,000 90,000 4.10 370,000 Archuleta 21,300 3.65 78,000 700 1.55 1.100 22,000 3.60 79,100 Dolores 5,500 5.25 29,000 4,500 1.45 6,500 10,000 3.55 35,500 Garrield 27,500 2.90 80,000 500 2.00 1,000 28,000 2.90 81,000 Hinsdale 3.55 3.5700 S2,700 Numera S2,700 Numera S2,700 S0,000 400 2.00 3.55 S2,000 3.60 101,400 Miguei S0,000 1.00 3.55 6,000 S0 S2,000 S2,000	Yuma	14 500	6.55	95,000	1,000	1.40	1,400	15,500	6.20	96 400
Archuleta 2,000 4.00 8,000 500 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.60 2.500 3.50 8.800 Dolores 2,1300 3.65 78,000 700 1.55 1.100 22,000 3.60 79,100 Minsdale	East Central	60.000	5.50	330,000	30.000	1.35	40.000	90.000	4.10	370.000
Archuleta 2.000 4.00 8.000 500 1.60 800 2.500 3.50 8.800 Delta 21,300 3.65 78,000 700 1.55 1,100 22,000 3.60 79,100 Dolores 5.500 5.25 29,000 4.500 1.45 6.500 10,000 28,000 2.90 81,000 Hinsdale	Lust Central	00,000	5.50	550,000	20,000	1100	10,000	20,000		570,000
Delta 21,300 3.65 78,000 700 1.55 1,100 22,000 3.60 79,100 Delores 5,500 5.25 29,000 4,500 1.45 6,500 10,000 3.55 35,500 Garfield <td>Archuleta</td> <td>2,000</td> <td>4.00</td> <td>8,000</td> <td>500</td> <td>1.60</td> <td>800</td> <td>2,500</td> <td>3.50</td> <td>8,800</td>	Archuleta	2,000	4.00	8,000	500	1.60	800	2,500	3.50	8,800
Dolores 5,500 5,25 29,000 4,500 1.45 6,500 10,000 3,55 35,500 Garfield	Delta	21,300	3.65	78,000	700	1.55	1,100	22,000	3.60	79,100
Garfield 27,500 2.90 80,000 500 2.00 1,000 28,000 2.90 81,000 Hinsdde	Dolores	5,500	5.25	29,000	4,500	1.45	6,500	10,000	3.55	35,500
Hinsdale	Garfield	27,500	2.90	80,000	500	2.00	1,000	28,000	2.90	81,000
La Plata 16,900 2.95 50,000 1,100 2.45 2,700 18,000 2.95 52,700 Mesa	Hinsdale									
Mesa 27,400 3.65 100,000 600 2.35 1,400 28,000 3.60 101,400 Montroze 34,200 4.55 155,000 5,800 1.55 9,000 40,000 4.10 164,000 Montrose 1,600 3.75 6,000 400 1.75 700 2,000 3.85 80,800 Ouray	La Plata	16,900	2.95	50,000	1,100	2.45	2,700	18,000	2.95	52,700
Montezuma 34,200 4.55 155,000 5,800 1.55 9,000 40,000 4,10 164,000 Montrose 20,600 3.90 80,000 400 2.00 800 21,000 3.85 80,800 Ouray 1,600 3.75 6,000 400 1.75 700 2,000 3.35 6,700 San Jian	Mesa	27,400	3.65	100,000	600	2.35	1,400	28,000	3.60	101,400
Montrose 20,600 3.90 80,000 400 2.00 800 21,000 3.85 80,800 Ouray I.600 3.75 6,000 400 1.75 700 2,000 3.85 6,700 San Miguel 3,000 3.00 9,000 500 2.00 1,000 3,550 2.85 10,000 Southwest 160,000 3.70 595,000 15,000 1.65 25,000 175,000 3.55 620,000 Alamosa 24,000 3.95 95,000	Montezuma	34,200	4.55	155,000	5,800	1.55	9,000	40,000	4.10	164,000
Ouray 1,600 3.75 6,000 400 1.75 700 2,000 3.35 6,700 San Miguel 3,000 3.00 9,000 500 2.00 1,000 3,500 2.85 10,000 Southwest 160,000 3.70 595,000 15,000 1.65 25,000 175,000 3.55 620,000 Alamosa 24,000 3.95 95,000 24,000 3.95 95,000 Concips 42,000 3.35 140,000 24,000 3.95 95,000 Costilla 18,000 4.45 80,000 18,000 4.45 80,000 Mieral	Montrose	20,600	3.90	80,000	400	2.00	800	21,000	3.85	80,800
San Juan	Ouray	1,600	3.75	6,000	400	1.75	700	2,000	3.35	6,700
San Miguel 3,000 3.00 9,000 500 2.00 1,000 3,500 2.85 10,000 Southwest 160,000 3.70 595,000 15,000 1.65 25,000 175,000 3.55 620,000 Alamosa 24,000 3.95 95,000 24,000 3.95 95,000 Conejos 42,000 3.35 140,000 42,000 3.35 140,000 Conejos 42,000 3.35 140,000 42,000 3.35 140,000 Mineral 18,000 4.45 80,000 <th< td=""><td>San Juan</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•••</td><td></td></th<>	San Juan								•••	
Southwest 160,000 3.70 595,000 15,000 1.65 25,000 175,000 3.55 620,000 Alamosa 24,000 3.95 95,000 24,000 3.95 95,000 Conejos 42,000 3.35 140,000 42,000 3.35 140,000 Costilla 18,000 4.45 80,000 18,000 4.45 80,000 Mineral 18,000 4.45 80,000 Saguache 25,000 4.40 115,000 25,000 4.20 105,000 San Luis Valley 135,000 3.95 535,000 135,000 3.95 535,000 Baca 4,300 5.80 25,000 200 1.50 300 4,500 5.60 25,300 Corewley 6,500 4.90 <t< td=""><td>San Miguel</td><td>3,000</td><td>3.00</td><td>9,000</td><td>500</td><td>2.00</td><td>1,000</td><td>3,500</td><td>2.85</td><td>10,000</td></t<>	San Miguel	3,000	3.00	9,000	500	2.00	1,000	3,500	2.85	10,000
Alamosa 24,000 3.95 95,000 24,000 3.95 95,000 Conejos 42,000 3.35 140,000 42,000 3.35 140,000 Costilla 18,000 4.45 80,000 42,000 3.35 140,000 Mineral 42,000 4.45 80,000 Mineral <	Southwest	160,000	3.70	595,000	15,000	1.65	25,000	175,000	3.55	620,000
Conejos 42,000 3.35 140,000 42,000 3.35 140,000 Costilla 18,000 4.45 80,000 18,000 4.45 80,000 Mineral	Alamosa	24,000	3.95	95,000				24,000	3.95	95,000
Costilla 18,000 4.45 80,000 18,000 4.45 80,000 Mineral <td>Conejos</td> <td>42,000</td> <td>3.35</td> <td>140,000</td> <td></td> <td></td> <td></td> <td>42,000</td> <td>3.35</td> <td>140,000</td>	Conejos	42,000	3.35	140,000				42,000	3.35	140,000
Mineral <	Costilla	18,000	4.45	80,000				18,000	4.45	80,000
Rio Grande 26,000 4.40 115,000 26,000 4.40 115,000 Saguache 25,000 4.20 105,000 25,000 4.20 105,000 San Luis Valley 135,000 3.95 535,000 135,000 3.95 535,000 Baca 4,300 5.80 25,000 200 1.50 300 4,500 5.60 25,300 Bent 33,700 4.75 160,000 300 1.65 500 34,000 4.70 160,500 Custer 1,700 3.55 6,000 300 1.35 400 2,000 3.20 6,400 Fremont 5,800 3.80 22,000 200 1.50 300 6,000 3.70 22,300 Huerfano 6,100 3.60 22,000 200 1.50 300 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1.600 1.95 3,100	Mineral									
Saguache 25,000 4.20 105,000 25,000 4.20 105,000 San Luis Valley 135,000 3.95 535,000 135,000 3.95 535,000 Baca 4,300 5.80 25,000 200 1.50 300 4,500 5.60 25,300 Bent 33,700 4.75 160,000 300 1.65 500 34,000 4.70 160,500 Crowley 6,500 4.90 32,000 500 1.60 800 7,000 4.70 32,800 Custer 5,800 3.80 22,000 200 1.50 300 6,000 3.70 22,300 Huerfano 6,100 3.60 22,000 200 1.50 300 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100	Rio Grande	26,000	4.40	115,000				26,000	4.40	115,000
San Luis Valley 135,000 3.95 535,000 I.I. 135,000 3.95 535,000 Baca 4,300 5.80 25,000 200 1.50 300 4,500 5.60 25,300 Bent 33,700 4.75 160,000 300 1.65 500 34,000 4.70 160,500 Crowley 6,500 4.90 32,000 500 1.60 800 7,000 4.70 32,800 Custer 1,700 3.55 6,000 300 1.35 400 2,000 3.20 6,400 Fremont 5,800 3.80 22,000 200 1.50 300 6,000 3.70 22,300 Huerfano 6,100 3.60 22,000 200 1.50 300 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100 Prowers	Saguache	25,000	4.20	105,000				25,000	4.20	105,000
Baca 4,300 5.80 25,000 200 1.50 300 4,500 5.60 25,300 Bent 33,700 4.75 160,000 300 1.65 500 34,000 4.70 160,500 Crowley 6,500 4.90 32,000 500 1.60 800 7,000 4.70 32,800 Custer 1,700 3.55 6,000 300 1.35 400 2,000 3.20 6,400 Fremont 5,800 3.80 22,000 200 1.50 300 6,600 3.70 22,300 Huerfano 6,100 3.60 22,000 200 1.50 300 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100 Otero 19,300 4.90 95,000 200 1.50 300 19,500 4.90 95,300 Prowers 11,200 4	San Luis Valley	135,000	3.95	535,000		•••	***	135,000	3.95	535,000
Bent 33,700 4.75 160,000 300 1.65 500 34,000 4.70 160,500 Crowley 6,500 4.90 32,000 500 1.60 800 7,000 4.70 160,500 Custer 1,700 3.55 6,000 300 1.35 400 2,000 3.20 6,400 Fremont 5,800 3.80 22,000 200 1.50 300 6,000 3.70 22,300 Huerfano 6,100 3.60 22,000 400 1.25 500 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100 Oter 19,300 4.90 95,000 200 1.50 300 19,500 4.90 95,300 Prowers 56,500 4.95 280,000 500 1.60 800 57,000 4.90 95,300 Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.50 54,000 </td <td>Baca</td> <td>4,300</td> <td>5.80</td> <td>25.000</td> <td>200</td> <td>1.50</td> <td>300</td> <td>4.500</td> <td>5.60</td> <td>25,300</td>	Baca	4,300	5.80	25.000	200	1.50	300	4.500	5.60	25,300
Crowley 6,500 4.90 32,000 500 1.60 800 7,000 4.70 32,800 Custer 1,700 3.55 6,000 300 1.35 400 2,000 3.20 6,400 Fremont 5,800 3.80 22,000 200 1.50 300 6,000 3.70 22,300 Huerfano 6,100 3.60 22,000 400 1.25 500 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100 Otero 19,300 4.90 95,000 200 1.50 300 19,500 4.90 95,300 Prowers 56,500 4.95 280,000 500 1.60 800 57,000 4.90 95,300 Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.50 54,000 Southeast 160,000 4.70 750,000 5,000 1.60 8,000 <td< td=""><td>Bent</td><td>33,700</td><td>4 7 5</td><td>160,000</td><td>300</td><td>1.65</td><td>500</td><td>34 000</td><td>4.70</td><td>160,500</td></td<>	Bent	33,700	4 7 5	160,000	300	1.65	500	34 000	4.70	160,500
Custer 1,700 3.55 6,000 300 1.35 400 2,000 3.20 6,400 Fremont 5,800 3.80 22,000 200 1.50 300 6,000 3.70 22,300 Huerfano 6,100 3.60 22,000 400 1.25 500 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100 Otero 19,300 4.90 95,000 200 1.50 300 19,500 4.90 95,300 Prowers 56,500 4.95 280,000 500 1.60 800 57,000 4.90 95,300 Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.50 54,000 Southeast 160,000 4.70 750,000 5,000 1.60 8,000 165,000 4.60 758,000	Crowley	6,500	4.90	32,000	500	1.60	800	7,000	4.70	32,800
Fremont 1,000 3.80 22,000 2000 1.60 31000 3100 3100 <td>Custer</td> <td>1 700</td> <td>3 5 5</td> <td>6,000</td> <td>300</td> <td>1.35</td> <td>400</td> <td>2,000</td> <td>3.20</td> <td>6,400</td>	Custer	1 700	3 5 5	6,000	300	1.35	400	2,000	3.20	6,400
Huerfano 6,100 3.60 22,000 400 1.25 500 6,500 3.45 22,500 Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100 Otero 19,300 4.90 95,000 200 1.50 300 19,500 4.90 95,300 Prowers 56,500 4.95 280,000 500 1.60 800 57,000 4.95 280,800 Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.50 54,000 Southeast 160,000 4.70 750,000 5,000 1.60 8,000 165,000 4.60 758,000	Fremont	5,800	3.80	22,000	200	1.50	300	6,000	3.70	22,300
Las Animas 14,900 3.70 55,000 1,600 1.95 3,100 16,500 3.50 58,100 Otero 19,300 4.90 95,000 200 1.50 300 19,500 4.90 95,300 Prowers 56,500 4.95 280,000 500 1.60 800 57,000 4.90 95,300 Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.50 54,000 Southeast 160,000 4.70 750,000 5,000 1.60 8,000 165,000 4.60 758,000	Huerfano	6.100	3.60	22,000	400	1.25	500	6,500	3.45	22,500
Otero 19,300 4.90 95,000 200 1.50 300 19,500 4.90 95,300 Prowers 56,500 4.95 280,000 500 1.60 800 57,000 4.95 280,800 Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.50 54,000 Southeast 160,000 4.70 750,000 5,000 1.60 8,000 165,000 4.60 758,000 State Total 730,000 4.50 3.280,000 80.000 1.55 122,000 810,000 4.20 3.402,000	Las Animas	14.900	3.70	55,000	1.600	1.95	3.100	16.500	3.50	58,100
Prowers 56,500 4.95 280,000 500 1.60 800 57,000 4.95 280,800 Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.95 280,800 Southeast 160,000 4.70 750,000 5,000 1.60 8,000 165,000 4.60 758,000 State Total 730,000 4.50 3.280,000 80.000 1.55 122,000 810,000 4.20 3.402,000	Otero	19.300	4.90	95,000	200	1.50	300	19.500	4.90	95.300
Pueblo 11,200 4.75 53,000 800 1.25 1,000 12,000 4.50 54,000 Southeast 160,000 4.70 750,000 5,000 1.60 8,000 165,000 4.60 758,000 State Total 730,000 4.50 3,280,000 80,000 1.55 122,000 810,000 4.20 3,402,000	Prowers	56.500	4.95	280,000	500	1.60	800	57.000	4.95	280.800
Southeast 160,000 4.70 750,000 5,000 1.60 8,000 165,000 4.60 758,000 State Total 730,000 4.50 3.280,000 80,000 1.55 122,000 810,000 4.20 3.402,000	Pueblo	11.200	4.75	53,000	800	1.25	1.000	12.000	4.50	54.000
State Total 730,000 4.50 3.280,000 80.000 1.55 122,000 810,000 4.20 3.402,000	Southeast	160,000	4.70	750,000	5,000	1.60	8,000	165,000	4.60	758,000
	State Total	730.000	4.50	3,280,000	80.000	1.55	122.000	810.000	4.20	3,402.000

Alfalfa Hay: Acreage and production by county and district, Colorado, 1998, continued

OTHER HAY Average Yield 1986 -98



Other Hay: Acreage and production by county and district, Colorado, 1997

		Irrigated		No	n-Irrigated	1	Total			
County and District	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	
Chaffee	9,000	2.15	19,500	1,000	1.20	1,200	10,000	2.05	20,700	
Clear Creek	500	2.00	1,000				500	2.00	1,000	
Eagle	9,000	1.95	17,500	1,000	1.50	1,500	10,000	1.90	19,000	
Gilpin										
Grand	24,500	1.65	40,000	1,500	1.35	2,000	26,000	1.60	42,000	
Gunnison	26,500	1.40	37,500	1,500	1.35	2,000	28,000	1.40	39,500	
Jackson	75,000	1.40	105,000	6,000	1.25	7,500	81,000	1.40	112,500	
Lake	500	1.00	500		•••		500	1.00	500	
Moffat	8,100	2.45	20,000	5,400	1.10	5,900	13,500	1.90	25,900	
Park	9,000	1.20	11,000	1,500	1.35	2,000	10,500	1.25	13,000	
Pitkin	1,500	1.65	2,500	500	1.40	700	2,000	1.60	3,200	
Rio Blanco	17,300	2.60	45,000	2,200	1.80	4,000	19,500	2.50	49,000	
Routt	31,100	2.40	75,000	3,400	1.20	4,000	34,500	2.30	79,000	
Summit	6,000	1.90	11,500			•••	6,000	1.90	11,500	
Teller	2,000	2.00	4,000	1,000	1.20	1,200	3,000	1.75	5,200	
NW & Mountain	220,000	1.75	390,000	25,000	1.30	32,000	245,000	1.70	422,000	
Boulder	9,000	2.65	24,000	3,000	1.50	4,500	12,000	2.40	28,500	
Jefferson	700	1.45	1,000	2,500	1.00	2,500	3,200	1.10	3,500	
Larimer	13,500	2.15	29,000	4,000	1.00	4,000	17,500	1.90	33,000	
Logan	4,000	1.75	7,000	10,000	1.60	16,000	14,000	1.65	23,000	
Morgan	1,800	2.20	4,000	3,500	1.45	5,100	5,300	1.70	9,100	
Sedgwick	1,500	2.00	3,000	1,000	1.40	1,400	2,500	1.75	4,400	
Weld	13,500	2.60	35,000	22,000	1.65	36,500	35,500	2.00	71,500	
Northeast	44,000	2.35	103,000	46,000	1.50	70,000	90,000	1.90	173,000	

		Irrigated		No	n-Irrigated	1		Total	
County		Yield			Yield			Yield	
and	Acreage	per		Acreage	per		Acreage	per	
District	Harvested	acre	Production	Harvested	acre	Production	Harvested	acre	Production
	Acres	Tons	Tons	Acres	Tons	Tons	Acres	Tons	Tons
Adama	1.500	2.00	2 000	4 500	1 2 5	6.000	6 000	1.50	0.000
Adams	1,500	2.00	3,000	4,500	1.55	13 500	0,000	1.50	9,000
Chavanna	1,000	2.00	2,000	6,000	1.85	11,000	7,000	1.05	13,000
Denver	1,000	2.00	2,000	0,000	1.05	11,000	7,000	1.05	15,000
Douglas	2 000	1.50	3.000	6 500	1 40	 000.9	8 500	1 40	12 000
Flbert	2,000	2.25	4 500	12 000	1.40	21,500	14 000	1.40	26,000
El Paso	3,000	2.20	6,000	12,000	1.60	19,000	15,000	1.65	25,000
Kiowa	500	3.00	1,500	4 000	2.25	9 000	4 500	2.35	10,500
Kit Carson	2,500	3.20	8.000	9,500	1.90	18.000	12.000	2.15	26.000
Lincoln	2.000	2.00	4.000	21.000	1.75	37.000	23.000	1.80	41.000
Phillips	_,		.,	2.000	1.50	3.000	2.000	1.50	3.000
Washington .	2.000	2.50	5,000	19,000	2.00	38.000	21,000	2.05	43,000
Yuma	4,000	2.50	10,000	9.000	2.20	20,000	13,000	2.30	30.000
East Central	22,000	2.25	50,000	113.000	1.80	205.000	135,000	1.90	255.000
	,		-)	- ,		,	/		
Archuleta	2,000	1.85	3,700	500	1.80	900	2,500	1.85	4,600
Delta	9,000	2.40	21,500	1,000	2.00	2,000	10,000	2.35	23,500
Dolores	1,000	2.00	2,000				1,000	2.00	2,000
Garfield	7,400	2.10	15,500	1,100	1.55	1,700	8,500	2.00	17,200
Hinsdale	500	1.60	800				500	1.60	800
La Plata	12,500	2.75	34,500	3,500	2.35	8,200	16,000	2.65	42,700
Mesa	7,500	2.80	21,000	500	2.00	1,000	8,000	2.75	22,000
Montezuma	7,300	2.60	19,000	700	1.70	1,200	8,000	2.55	20,200
Montrose	10,500	2.50	26,500	1,000	1.90	1,900	11,500	2.45	28,400
Ouray	7,400	2.45	18,000	600	1.65	1,000	8,000	2.40	19,000
San Juan			•••			•••	•••		
San Miguel	900	2.80	2,500	100	1.00	100	1,000	2.60	2,600
Southwest	66,000	2.50	165,000	9,000	2.00	18,000	75,000	2.45	183,000
Alamosa	15,600	1.65	26,000	400	1.50	600	16,000	1.65	26,600
Conejos	38,000	1.90	72,000	2,000	1.40	2,800	40,000	1.85	74,800
Costilla	6,600	2.35	15,500	400	1.50	600	7,000	2.30	16,100
Mineral			•						
Rio Grande	21,300	2.30	49,500	700	1.70	1,200	22,000	2.30	50,700
Saguache	53,500	1.80	97,000	1,500	1.20	1,800	55,000	1.80	98,800
San Luis Valley	135,000	1.95	260,000	5,000	1.40	7,000	140,000	1.90	267,000
Baca	2 000	3 25	6 500	9 000	1.60	14 500	11.000	1.90	21,000
Bent	5 200	2 90	15,000	1,800	1.00	2 200	7 000	2 4 5	17 200
Crowley	1,700	3.25	5 500	800	1.20	1 100	2 500	2.45	6 600
Custer	12 500	3.05	38,000	1 500	1.40	2 800	14 000	2.05	40,800
Fremont	2.800	2.85	8,000	400	1.05	700	3,200	2.70	8 700
Huerfano	4,800	2.40	11,500	500	1.80	900	5,300	2.35	12 400
Las Animas	3,900	2.55	10.000	3.000	1.25	3.800	6,900	2.00	13,800
Otero	4.000	3.50	14.000	5,550		5,000	4,000	3.50	14,000
Prowers	2.800	2.85	8.000	2.500	2.20	5.500	5.300	2.55	13.500
Pueblo	3,300	3.50	11.500	2,500	1.40	3,500	5,800	2.60	15.000
Southeast	43,000	3.00	128,000	22,000	1.60	35,000	65,000	2.50	163,000
State Total	530 000	3.07	1.00/ 000		1 (7	378.000	750 000	1.05	1.463.000
state rotal	530,000	2.05	1,096,000	220,000	1.65	307,000	/50,000	1.95	1,403,000

Other Hay: Acreage and production by county and district, Colorado, 1997, continued



Other Hay: Production by County, Colorado, 1998 with Ranking of First Five Counties

Other Hay: Acreage and production by county and district, Colorado, 1998

	Irrigated			Non-Irrigated			Total		
County and District	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
Chaffee	8,200	1.90	15,600	800	1.25	1,000	9,000	1.85	16,600
Clear Creek	500	1.40	700				500	1.40	700
Eagle	7,300	1.20	8,700	700	1.45	1,000	8,000	1.20	9,700
Gilpin									
Grand	17,000	1.50	25,300	1,000	1.30	1,300	18,000	1.50	26,600
Gunnison	23,700	1.80	42,300	1,300	1.30	1,700	25,000	1.75	44,000
Jackson	72,600	1.70	125,000	5,400	1.20	6,500	78,000	1.70	131,500
Lake	500	1.00	500	•••			500	1.00	500
Moffat	6,100	2.45	15,000	3,900	1.00	3,900	10,000	1.90	18,900
Park	6,700	1.25	8,500	1,300	1.10	1,400	8,000	1.25	9,900
Pitkin	1,100	1.35	1,500	400	1.25	500	1,500	1.35	2,000
Rio Blanco	10,700	2.65	28,200	1,300	1.75	2,300	12,000	2.55	30,500
Routt	29,800	2.25	66,400	3,200	1.40	4,400	33,000	2.15	70,800
Summit	4,500	1.10	5,000	•••		•••	4,500	1.10	5,000
Teller	1,300	1.75	2,300	700	1.45	1,000	2,000	1.65	3,300
NW & Mountain	190,000	1.80	345,000	20,000	1.25	25,000	210,000	1.75	370,000
Boulder	6,800	2.75	18,700	2,200	1.35	3,000	9,000	2.40	21,700
Jefferson	500	3.00	1,500	2,000	1.00	2,000	2,500	1.40	3,500
Larimer	7,700	2.05	15,600	2,300	1.00	2,300	10,000	1.80	17,900
Logan	4,000	2.70	10,800	9,500	1.65	15,500	13,500	1.95	26,300
Morgan	1,800	2.80	5,000	3,200	1.20	3,800	5,000	1.75	8,800
Sedgwick	1,200	2.65	3,200	800	1.75	1,400	2,000	2.30	4,600
Weld	11,000	3.10	34,200	17,000	1.65	28,000	28,000	2.20	62,200
Northeast	33,000	2.70	89,000	37,000	1.50	56,000	70,000	2.05	145,000

01	liet thuy: the	luis i	ild production	n og county u	n latin		io, 1770, com	T . 1	
	Irrigated		Non-Irrigated			Total			
County		Yield			Yield			Yield	
and	Acreage	per	Production	Acreage	per	Production	Acreage	per	Deaduction
District	Harvested	acre	Production	Harvesteu		Production	Harvested	acre	Production
	Acres	Tons	Tons	Acres	Ions	lons	Acres	Tons	Tons
Adams	1.000	1 70	1 700	4 500	135	6.000	5 500	1 40	7 700
Aranahoe	1,500	1.70	2 700	4,500	1.55	7,600	6,000	1.70	10 300
Chevenne	500	3.60	1 800	6,000	2.10	12,500	6 500	2 20	14 300
Denver	500	5.00	1,000	0,000	2.10	12,500	0,500	2.20	14,500
Douglas	1 500	2.65	4 000	6 500	1.25	8 000	8 000	1.50	12 000
Flbert	1,500	3 30	5 300	8 400	1.65	14 000	10,000	1.95	19 300
El Paso	2,700	1.85	5,000	7 300	1.05	12 400	10,000	1.75	17,500
Kiowa	500	2.00	1,000	2 500	2 40	6 000	3,000	2 35	7 000
Kit Carson	2 500	3.60	9,000	9,500	2.40	19,000	12 000	2.35	28,000
Lincoln	2,500	2.00	4 000	19,000	1.85	35,000	21,000	1.85	30,000
Phillips	2,000	2.00	4,000	3,000	2 35	7 000	3 000	2 35	7,000
Washington	2 000	4 00	8 000	18,000	1.80	32,000	20,000	2.55	40,000
Vumo	3 200	2.65	8,000	6 800	2.30	15 500	10,000	2.00	40,000
Fact Control	10,000	2.05	51,000	0,800	1.90	175,000	115,000	2.40	24,000
Last Central	19,000	2.70	51,000	90,000	1.00	175,000	115,000	1.95	220,000
Archuleta	1 300	3 10	4 000	200	2.00	400	1.500	2.05	4.400
Delta	7 500	2.80	21,000	500	2.00	1 000	8,000	2.95	22,000
Dolores	700	1.00	700	300	2.00	600	1,000	1.30	1 300
Garfield	6 400	2.65	17 000	600	2.00	1 200	7,000	2.60	1,300
Hinsdale	500	3.00	1,000	000	2.00	1,200	500	2.00	15,200
La Plata	9 700	2.60	25,000	2 300	2 40	5 500	12 000	2.55	30,500
Mesa	6 400	2.00	12 700	2,500	1.50	3,500	7,000	1.05	13 600
Montezuma	5,600	2.00	16,000	400	1.50	700	6,000	2.90	15,000
Montrose	0,000	2.65	24,800	400	1.75	1 000	10,000	2.60	10,700
Ouray	5,500	1.05	10,400	100	1.45	700	6 000	2.00	23,800
San Juan	5,000	1.05	10,400	400	1.75	700	0,000	1.05	11,100
San Miguel	1.000	1.00	1 000	•••	•••	•••	1.000	1.00	
Southwest	54 000	2.50	135 000	6 000	2 00	12 000	60.000	2.45	1,900
Southwest	54,000	2.30	155,000	0,000	2.00	12,000	00,000	2.40	147,000
Alamosa	8.600	2.15	18,500	400	1.50	600	9.000	2.10	19,100
Coneios	21.000	1.85	38,500	1.000	1.30	1,300	22.000	1.80	39,800
Costilla	2.700	1.80	4.800	300	1.35	400	3.000	1.75	5,200
Mineral	_,,		.,				0,000		5,200
Rio Grande	15.500	2.60	40.600	500	1.60	800	16.000	2.60	41.400
Saguache	39,200	1.70	67.600	800	1.15	900	40,000	1.70	68 500
San Luis Valley	87,000	1.95	170,000	3,000	1.35	4.000	90.000	1.95	174,000
			,	-,		-,	2 - ,		1.1,000
Baca	1,700	4.20	7,100	7,300	1.50	11,000	9,000	2.00	18,100
Bent	4,200	3.20	13,500	1,300	1.40	1,800	5,500	2.80	15,300
Crowley	700	3.30	2,300	1,300	1.55	2,000	2,000	2.15	4,300
Custer	9,900	2.65	26,300	1,100	1.35	1.500	11,000	2.55	27,800
Fremont	2,200	3.30	7,300	300	1.65	500	2,500	3.10	7,800
Huerfano	4,500	3.40	15,300	500	1.80	900	5.000	3.25	16.200
Las Animas	4.000	1.85	7.400	2,500	1.50	3.700	6,500	1.70	11,100
Otero	3.000	3.00	9.000	_,		0,.00	3.000	3.00	9,000
Prowers	3.000	2.75	8 300	2.000	2.20	4 400	5,000	2.55	12 700
Pueblo	3,800	3.55	13 500	1 700	1 30	2,200	5,500	2.85	15 700
Southeast	37.000	2.95	110.000	18.000	1.55	28,000	55.000	2.50	138.000
	0,000	2000	110,000	10,000	1.00	20,000	22,000	2.00	200,000
State Total	420,000	2.15	900,000	180,000	1.65	300,000	600,000	2.00	1,200,000

Other Hay: Acreage and production by county and district, Colorado, 1998, continued

			All Wheat			Barley		Oats <u>1</u> /	
	Year/Month	On-farm	Off-farm	Total	On-farm	Off-farm	Total	Off-farm	
		1,000 Bushels							
1987	March 1	38,500	42.100	80.600	2/	2/	2/	4/	
	June 1	28,000	35,465	63,465	2.800	4.100	6.900	89	
	September 1	65,000	58,300	123,300	2/	2/	2/	4/	
	December 1	52,500	50,100	102,600	<u>ī</u> /	<u>2</u> /	<u>2</u> /	<u>4</u> /	
1988	March 1	36.000	41.800	77.800	2/	2/	2/	4/	
	June 1	22,000	24,500	46,500	2,800	5,200	8.000	$\frac{\pi}{3}$	
	September 1	50,000	47,900	97,900	6,000	6,100	12,100	4/	
	December 1	40,000	35,200	75,200	5,500	7,750	13,250	<u>4</u> /	
1989	March 1	29,000	24,915	53,915	2,700	6,805	9,505	4/	
	June 1	19,000	12,565	31,565	1,200	3,872	5,072	288	
	September 1	40,000	35,275	75,275	6,000	4,280	10,280	4/	
	December 1	34,000	25,300	59,300	2,600	6,090	8,690	<u>4</u> /	
1990	March 1	17,000	20,275	37,275	1,700	5,690	7,390	195	
	June 1	10,000	10,000	20,000	310	3,615	3,925	155	
	September 1	42,000	38,335	80,335	6,800	2,810	9,610	455	
	December 1	31,500	34,015	65,515	3,400	5,405	8,805	160	
1991	March 1	21,000	26,920	47,920	1,200	5,140	6,340	155	
	June 1	11,000	14,925	25,925	1,000	4,040	5,040	120	
	September 1	39,000	42,230	81,230	6,000	5,470	11,470	182	
	December 1	25,000	26,840	51,840	3,700	7,600	11,300	220	
1992	March 1	10,500	21,380	31,880	1,500	7,875	9,375	169	
	June 1	5,000	11,250	16,250	350	6,535	6,885	124	
	September 1	30,000	41,000	71,000	4,800	6,845	11,645	210	
	December I	18,500	29,690	48,190	2,000	7,485	9,485	235	
1993	March 1	9,500	21,855	31,355	1,050	6,090	7,140	167	
	June 1	5,500	9,690	15,190	650	5,930	6,580	155	
	September I	34,000	45,000	79,000	5,000	5,850	10,850	185	
	December 1	50,000	51,500	01,500	2,000	0,235	8,833	130	
1994	March 1	13,000	23,440	36,440	925	5,060	5,985	133	
	June 1	5,000	11,500	16,500	250	4,530	4,780	88	
	September 1	36,000	32,500	68,500	3,000	5,820	8,820	110	
	December I	20,000	27,400	47,400	2,200	6,180	8,380	145	
1995	March 1	9,000	21,350	30,350	800	5,285	6,085	198	
	June 1	5,000	10,950	15,950	325	3,380	3,705	125	
	September 1	30,000	46,150	76,150	6,000	4,420	10,420	125	
	December 1	17,000	30,090	47,090	1,300	4,365	5,665	155	
1996	March 1	6,500	21,550	28,050	325	5,920	6,245	135	
	June 1	2,500	11,700	14,200	50	4,420	4,470	100	
	September 1	33,000	30,935	63,935	5,200	5,025	10,225	120	
	December 1	19,000	21,140	40,140	1,700	8,145	9,845	90	
1997	March 1	8,000	16,800	24,800	510	6,470	6,980	82	
	June 1	3,500	8,970	12,470	215	4,920	5,135	75	
	September 1	36,000	40,890	76,890	4,500	<u>3</u> /	<u>3</u> /	90	
	December 1	26,500	32,500	59,000	2,000	7,035	9,035	140	
1998	March 1	19,000	25,160	44,160	<u>4</u> /	6,075	<u>4</u> /	112	
	June 1	8,500	16,740	25,240	<u>4</u> /	<u>3</u> /	<u>4</u> /	84	
	September 1	37,000	45,470	82,470	<u>4/</u>	4,915	<u>4/</u>	80	
	December I	32,000	35,644	67,644	<u>4</u> /	7,038	<u>4</u> /	<u>3</u> /	
1999	March 1	22,000	26,210	48,210	<u>4</u> /	7,080	<u>4</u> /	87	
 Only off-farm stocks estimated. Quarterly estimates discontinued April 1986; resumed September 1988. Data not published to avoid disclosure of individual operations. Not estimated. 									

Wheat, Barley and Oats: On-farm, off-farm and total stocks, Colorado, 1987-99
			Corn			Sorghum	
	Year/Month	On-farm	Off-farm	Total	On-farm	Off-farm	Total
				1,000 H	Bushels	L	
1987	March 1	58,000	23,240	81,240	<u>1</u> /	<u>1/</u>	<u>1</u> /
	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	<u>1</u> /	<u>1</u> /	<u>1</u> /
1988	March 1 June 1 September 1 December 1	60,000 23,000 12,000 70,000	28,700 22,560 16,650 37,175	88,700 45,560 28,650 107,175	1,000 850 <u>1</u> /	1/ 4,400 4,150 <u>1</u> /	<u>1</u> / 5,400 5,000 <u>1</u> /
1989	March 1 June 1 September 1 December 1	45,000 21,000 11,000 60,000	25,365 15,135 8,760 26,355	70,365 36,135 19,760 86,355	1,800 1,000 <u>1</u> /	1/ 2,376 2,110 <u>1</u> /	<u>1</u> / 4,176 3,110 <u>1</u> /
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
	June 1	18,000	8,800	26,800	400	995	1,395
	September 1	8,500	3,325	11,825	150	540	690
	December 1	64,000	28,140	92,140	2,800	3,830	6,630
1992	March 1	38,000	18,670	56,670	1,100	1,028	2,128
	June 1	15,000	11,575	26,575	500	993	1,493
	September 1	6,500	2,835	9,335	150	260	410
	December 1	54,000	24,685	78,685	1,400	1,840	3,240
1993	March 1	40,000	18,970	58,970	900	1,260	2,160
	June 1	20,000	12,375	32,375	550	757	1,307
	September 1	9,000	4,670	13,670	300	735	1,035
	December 1	40,000	18,640	58,640	1,600	2,450	4,050
1994	March 1	32,000	14,500	46,500	1,400	2,150	3,550
	June 1	15,000	7,275	22,275	900	1,030	1,930
	September 1	3,700	2,260	5,960	170	180	350
	December 1	50,000	30,600	80,600	1,700	2,750	4,450
1995	March 1	33,000	20,880	53,880	1,100	2,170	3,270
	June 1	13,000	10,930	23,930	350	1,370	1,720
	September 1	7,500	2,980	10,480	100	850	950
	December 1	38,000	21,355	59,355	900	1,590	2,490
1996	March 1	19,000	13,850	32,850	600	750	1,350
	June 1	6,000	5,700	11,700	600	345	945
	September 1	2,500	1,360	3,860	60	65	125
	December 1	50,000	28,445	78,445	3,500	3,415	6,915
1997	March 1	32,000	18,500	50,500	1,300	1,400	2,700
	June 1	16,000	10,200	26,200	600	600	1,200
	September 1	5,000	2,070	7,070	270	225	495
	December 1	60,000	32,600	92,600	1,800	2,050	3,850
1998	March 1 June 1 September 1 December 1	38,000 22,000 7,000 65,000	21,480 11,155 4,690 39,432	59,480 33,155 11,690 104,432	$\frac{\frac{2}{2}}{\frac{2}{2}}$	1,390 730 290 2,900	2/ 2/ 2/ 2/
1999	March 1	40,000	27,635	67,635	<u>2</u> /	2,605	2/

Corn and Sorghum: On-farm, off-farm and total stocks, Colorado, 1987-99

<u>1</u>/ Quarterly estimates discontinued April 1986; resumed March 1990. <u>2</u>/ Not estimated.

		January	1 <u>1/ 2</u> /	May I	<u>1</u> /
Year	Production	Stocks	% of Prod.	Stocks	% of Prod.
	1,000 Tons	1,000 Tons	Percent	1,000 Tons	Percent
1973	3,278	2,098	64	492	15
1974	2,866	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	981 3,105		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
1991	4,062	2,437	60	528	13
1992	4,189	2,575	61	396	9
1993	4,193	2,430	58	294	7
1994	4,060	2,030	50	447	11
1995	4,050	2,430	60	648	16
1996	4,180	2,006	48	209	5
1997	4,739	2,133	45	616	13
1998	4,602	2,807	61	966	21

All Hay:	Production a	and stocks of	on farms,	Colorado .	1973-98
----------	---------------------	---------------	-----------	-------------------	---------

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

On-farm and off-farm grain storage capacity, Colorado and United State
--

			Colorado			United States				
N.		On-farm	Off-farm	storage	On-farm	Off-farm	storage			
Yea	r	capacity	Number of facilities Capacity		capacity	Number of facilities	Capacity			
		Mil. Bu.	Number	1,000 Bu.	Mil. Bu.	Number	1,000 Bu.			
January 1:	1985		203	111,350		13,921	8,113,670			
	1986		204	114,430		14,063	8,287,140			
December 1: 1986		40 40 40	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	13,214	9,089,300			
	1991	220	165	114,930	12,170	12,825	8,911,220			
	1992	190	159	115,370	12,090	12,428	8,664,970			
	1993	190	161	115,650	11,675	11,866	8,486,500			
	1994	170	139	114,700	11,500	11,592	8,374,110			
1995		170	136	114,060	11,165	11,285	8,301,060			
1996		160	132	112,120	10,970	10,884	8,072,330			
	1997	170	126	110,930	10,950	10,605	7,961,340			
	1998	190	131	109,100	11,125	10,287	8,005,580			

Barley: Acreage planted by variety, by district, Colorado, 1997-98 1/														
					Ea	st			San	Luis				
	North	iwest	North	ieast	Cen	tral	South	west	Val	ley	South	ieast	Sta	ate
Variety	% of		% of		% of		% of	.	% of		% of		% of	
	Total	Acres	Total	Acres	Total	Acres	Total	Acres	Total	Acres	Total	Acres	Total	Acres
1997														
Moravian 14 *			52.2	9,400	19.0	800	36.0	900	72.3	45,900			60.0	57,000
Dtis			34.4	6,200	71.4	3,000	12.0	300					10.0	9,500
riumph *									11.0	7,000			7.4	7,000
Steptoe	80.0	4,000	4.4	800			36.0	900	0.3	200	16.7	300	6.5	6,200
Camarque *									6.3	4,000			4.2	4,000
Morex *									3.1	2,000			2.1	2,000
Alexis *									3.1	2,000			2.1	2,000
Schuyler			2.8	500	4.8	200	8.0	200	~ = =		44.4	800	1.8	1,700
Baroness			1.1	200					0.8	500	11.1	200	1.0	900
Vestbred 501									0.9	600			.6	600
Vill	~ = ~										16.7	300	.3	300
Other Malting * 2/			1.7	300					0.8	500			.8	800
Others 2/	20.0	1,000	3.3	600	4.8	200	8.0	200	1.3	800	11.1	200	3.2	3,000
All Barley	100.0	5,000	100.0	18,000	100.0	4,200	100.0	2,500	100.0	63,500	100.0	1,800	100.0	95,000
1998														
Aoravian 14 *			57.8	10,000	14.0	600	34.6	900	72.5	43,500			61.1	55.000
Dtis		** == **	30.6	5,300	76.7	3,300	26.9	700					10.3	9,300
teptoe	88.4	3,800	2.9	500			30.8	800	0.6	400	33.3	500	6.7	6,000
lexis *									9.2	5,500			6.1	5,500
riumph *									7.5	4,500			5.0	4,500
Camarque *									3.3	2,000			2.2	2,000
1orex *									3.3	2,000			2.2	2,000
chuyler			2.3	400	4.7	200	3.8	100			40.0	600	1.4	1,300
aroness			1.2	200					0.5	300	13.3	200	0.8	700
Vestbred 501									0.7	400			0.4	400
ud			1.7	300									0.3	300
Other Malting * 2/			1.7	300					1.2	700			1.1	1,000
Others 2/	11.6	500	1.7	300	4.7	200	3.8	100	1.2	700	13.3	200	2.2	2,000
all Barley	100.0	4,300	100.0	17,300	100.0	4,300	100.0	2,600	100.0	60,000	100.0	1,500	100.0	90,000

planted by variety by district Colorado 1007-08 1/

Indicates malt variety.
 Percent totals may not add due to rounding.
 Includes unknown varieties.

Winter Wheat: Percent Planted by Variety, Colorado, 1992-99 Crops 1/

					/ /		and the second sec	
Variety	1992 Стор	1993 Crop	1994 Сгор	1995 Crop	1996 Crop	1997 Crop	1998 Crop	1999 Crop
				Percer	nt			
Tam 107	49.7	51.5	60.8	63.3	56.9	55.1	43.3	39.7
Akron					0.3	3.1	11.9	19.1
Lamar	5.7	7.2	5.5	5.5	7.4	8.0	9.4	7.5
Yuma		0.8	2.1	2.7	5.3	6.0	5.5	7.3
Halt						0.8	3.7	3.9
Arapahoe		0.8	1.3	0.9	1.2	1.0	2.1	1.8
Baca	7.9	4.8	3.9	4.7	2.9	1.7	1.9	1.4
Tomahawk			1.5	1.3	2.6	2.2	1.8	1.3
Scout <u>2</u> /	5.7	6.0	4.3	3.9	3.3	2.1	1.7	1.2
Jagger								1.2
Yumar								1.0
Vona		2.5	1.7	1.2	1.0	1.0	0.5	1.0
Buckskin			1.4	1.5	0.8	0.4	1.0	1.0
Longhorn				1.2	2.0	2.3	1.0	0.9
Tam 200	2.7	2.8	2.3	2.1	2.0	1.6	0.9	0.8
Hawk	4.8	3.9	2.3	1.4	1.7	1.1	1.2	0.8
Other <u>3</u> /	23.5	19.7	12.9	10.3	12.6	13.6	14.1	10.1
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
I/ Dashes indicate	either none or n	ninor amount rep	orted					

 $\frac{1}{2}$ Includes Scout 66. $\frac{3}{2}$ Includes unknown, minor, and older varieties that have become less popular.

Northwest and Southwest Districts, Colorado, 1999 Crop											
District/County	Centurk 78	Fairview	Jeff	Stevens	Weston	Windridge	Other	Total			
				Percent	1						
Northwest 1999	14.2				64.4	12.0	9.4	100.0			
Moffat	22.3				74.2		3.5	100.0			
Routt					53.1	37.4	9.5	100.0			
Southwest 1999		68.2	3.0	6.5			22.3	100.0			
Dolores		94.7	0.6				4.7	100.0			
La Plata		18.7	8.5				72.8	100.0			
Mesa				94.3			5.7	100.0			
Montezuma		100.0						100.0			

Northeast District, Colorado, 1999 Crop													
District/County Akron Buckskin Halt Lamar Tam 107 Yuma Other Total													
	Percent												
Northeast 1999 18.4 5.0 4.5 19.1 22.9 6.1 24.0 100.0													
Boulder	1.8		3.2		14.7	6.0	74.3	100.0					
Larimer	4.4		42.4		44.0		9.2	100.0					
Logan	31.3	1.7	0.8	20.4	13.1	11.0	21.7	100.0					
Morgan	5.6		6.0	26.5	40.7	1.4	19.8	100.0					
Sedgwick	26.1	0.4	1.5	18.5	6.7	2.2	44.6	100.0					
Weld	7.8	13.9	7.0	15.7	30.9	4.7	20.0	100.0					

East Central District, Colorado, 1999 Crop

District/County	Akron	Halt	Jagger	Lamar	Tam 107	Yuma	Other	Total
				Percent	t			
East Central 1999	21.3	6.6	2.3	3.8	47.1	4.1	14.8	100.0
Adams	3.0	32.1	0.7	3.4	50.4	3.2	7.2	100.0
Arapahoe	5.7	9.5		9.7	44.2	24.5	6.4	100.0
Cheyenne	24.4	2.6	2.1	10.1	44.5	1.7	14.6	100.0
Douglas		3.1			82.4		14.5	100.0
Elbert	25.9	12.2			47.3	5.6	9.0	100.0
El Paso					40.5		59.5	100.0
Kiowa	23.7	4.8	0.7	6.3	52.1		12.4	100.0
Kit Carson	10.8	2.8	6.2	0.4	63.6	5.0	11.2	100.0
Lincoln	22.8	2.4	4.6	0.5	46.7	1.9	21.1	100.0
Phillips	34.7	0.6	0.2	8.8	33.9	1.0	20.8	100.0
Washington	31.4	1.2	1.6	1.4	42.7	5.8	15.9	100.0
Yuma	23.7	0.6	4.1	2.2	34.8	12.0	22.6	100.0

Southeast District, Colorado, 1999 Crop

				001010009-	CF			
District/County	Akron	Baca	Halt	Jagger	Lamar	Tam 107	Other	Total
				Percent				
Southeast 1999	12.3	7.0	17.6	2.2	6.7	34.0	20.2	100.0
Baca	7.8	8.0	14.9	1.5	5.6	38.3	23.9	100.0
Bent	0.5		40.1	32.1		13.6	13.7	100.0
Crowley			47.5				52.5	100.0
Las Animas					17.8		82.2	100.0
Otero			0.8			74.1	25.1	100.0
Prowers	30.9	5.4	24.6	0.6	12.2	21.1	5.2	100.0
Pueblo			4.4		3.5	26.8	65.3	100.0

1/ Dashes indicate either none or minor amount reported.

Crop						All W	heat					
Year	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1990-91	13	9	8	7	6	10	11	7	8	7	8	6
1991-92	20	16	8	10	7	9	13	5	5	3	2	2
1992-93	10	8	10	9	11	11	15	4	7	5	8	2
1993-94	10	9	6	9	11	12	20	5	6	6	3	3
1994-95	17	10	9	8	7	10	15	7	6	3	5	3
1995-96	15	18	11	8	5	11	14	8	4	3	2	1
1996-97	12	9	7	6	6	11	16	11	11	8	2	1
1997-98	9	8	5	3	2	7	29	7	10	8	6	6
						Bar	ley					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1990-91	6	19	12	4	20	15	7	3	6	5	2	1
1991-92	10	14	8	9	21	16	10	5	2	2	1	2
1992-93	4	25	9	8	14	7	11	6	6	5	3	2
1993-94	17	24	17	6	25	2	3	1	1	1	2	1
1994-95	7	31	15	6	18	3	15	1	1	1	1	1
1995-96		16	19	9	23	27	4	1		1		
1996-97	9	39	15	8	4	16	5		2	1		1
1997-98	11	27	33	17	4	1	2	1	1	2		1
						Corn for	r Grain					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1990-91	13	19	9	12	4	4	6	5	6	8	8	6
1991-92	13	9	12	18	8	7	7	6	6	4	4	6
1992-93	13	11	12	14	6	3	5	9	6	8	7	6
1993-94	8	16	13	22	8	5	5	4	5	5	5	4
1994-95	13	15	14	15	7	8	6	6	5	3	5	3
1995-96	11	28	20	15	7	5	5	3	1	1	2	2
1996-97	16	13	10	15	10	7	6	5	5	5	4	4
1997-98	11	10	11	13	6	7	4	4	13	13	4	4
				·····		Dry B	eans					
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
1990-91	28	11	6	5	10	6	7	8	8	5	4	2
1991-92	13	9	9	11	8	7	4	7	5	9	8	10
1992-93	21	13	9	10	10	7	5	5	5	6	5	4
1993-94	22	23	9	5	6	5	5	5	4	6	6	4
1994-95	19	16	8	8	8	7	5	6	4	7	6	6
1995-96	24	15	9	8	8	6	6	5	4	5	6	4
1996-97	27	17	4	6	8	4	4	3	4	9	7	7
1997-98	15	23	9	7	8	5	3	5	6	7	6	6
			_			All H	Iay			1	1	
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1990-91	4	6	18	11	8	6	8	7	10	12	5	5
1991-92	4	6	9	10	9	12	12	12	10	8	5	3
1992-93	9	9	8	12	9	11	13	9	8	5	4	3
1993-94	10	11	14	10	9	15	8	7	5	6	4	1
1994-95	6	12	10	9	12	12	11	14	5	4	3	2
1995-96	12	9	10	8	9	9	10	11	6	6	6	4
1996-97	9	10	10	12	13	10	8	12	5	5	4	2
1997-98	6	6	14	10	11	10	8	8	7	9	5	6
LL LISCHES Indic	ore only mi		a a l al									

Field Crops: Monthly marketing percents, selected crops, Colorado, 1990-98 1/

1/ Dashes indicate only minor amount sold.



FRUIT CROPS - 1998

All fruit crops in Colorado did much better in 1998 than they did the previous year. Freeze damage was minimal and seasonal development was normal with only light hail damage in a few localities. Producers had a higher production than the 1997 crop for each fruit. Apple and tart cherry production nearly doubled the previous year, peach production nearly tripled, and pear production was more than a third larger. Total production of the state's four major fruit crops in 1998 was 93.3 million pounds, up nearly double the 47.9 million pounds produced in 1997 when all crops suffered freeze losses early in the year. The total value of the utilized production from the 1998 crops was \$19.7 million, up 87 percent from \$10.5 million a year earlier. Apples ranked first in terms of production, but peaches ranked first in terms of total value of production.

Apple growers came closer to getting a full crop in 1998 than they had since 1994. The 1998 crop of 65.0 million pounds was nearly twice as large as the freeze shortened 1997 output of just 35.0 million pounds. With a generally good quality crop, producers expected to average 14.9 cents per pound for their 1998 apples, just slightly below the 15.1 cents per pound received for the 1997 crop. The total value of the utilized 1998 crop, at \$8.6 million, was 68 percent higher than the \$5.1 million received for the 1997 crop. Apples represented 69.7 percent of the production but just 43.8 percent of the total value from the four fruit crops. **Peach** production for 1998, at 20.0 million pounds, was nearly three times larger than the 7.0 million pounds produced in the freeze shortened 1997 crop. While quality of the crop was excellent, the large production resulted in a lower price per unit sold. Growers received only 48.8 cents per pound for the 1998 crop compared with 66.1 cents for the 1997 crop. Total value of the utilized crop in 1998 was \$9.0 million, still more than double the \$4.3 million received for the 1997 crop despite the lower prices. The value of the peach production represented 45.9 percent of the total value from the four fruit crops.

Pear production in 1998 totaled 3,500 tons, up 35 percent from the previous year's output of 2,600 tons. In addition, producers received \$449 per ton for their 1998 crop compared with \$295 per ton for the 1997 crop. The total value of the utilized production was just under \$1.5 million, nearly double the \$762 thousand received for the 1997 crop. Pears represented 7.6 percent of the total value received from the four fruit crops.

Tart cherry production totaled 1.3 million pounds in 1998, almost double the 700 thousand pounds produced in 1997. Producers received 45.0 cents per pound for their 1998 crop compared with 56.0 cents received for the 1997 crop. The total value of the utilized production, at \$540,000, was 61 percent above the \$336,000 received for the 1997 crop. The 1998 value represented 2.7 percent of the total value for the four fruit crops.

		, <u>,</u> , , , , , , , , , , , , , , , , ,		
	Pro	duction	Price	Value
Year			Der	of utilized
	Total <u>1</u> /	Utilized	unit	production
Apples	Millio	n Pounds	Cents	1.000 Dollars
10.97	125.0	118.0	6 70	7.048
1987	125.0	65.0	11.00	7,948
1988	05.0	69.0	0.60	7,100
1989	70.0	08.0	9.60	0,548
1990	35.0	33.0	14.70	4,838
1991	75.0	70.0	15.60	10,904
1992	90.0	88.0	14.50	12,768
1993	92.0	90.0	14.70	13,229
1994	85.0	83.0	15.70	13,007
1995	55.0	51.0	14.50	7,375
1996	25.0	24.0	20.20	4,837
1997	35.0	34.0	15.10	5,138
1998	65.0	58.0	14.90	8,640
Peoches	A 1111	n Pounds	Conte	1 000 Dollars
i caches	IVIIIIO	in a outifus	Cents	1,000 Donars
1987	19.0	17.0	22.40	3,814
1988	16.0	15.5	26.90	4,175
1989	<u>2</u> /	<u>2</u> /	<u>2</u> /	<u>2</u> /
1990	17.0	16.0	35.60	5,696
1991	2.0	1.7	38.00	646
1992	18.0	15.5	33.30	5,165
1993	18.0	17.0	31.10	5,287
1994	20.0	18.0	31.90	5,742
1995	17.0	16.0	49.60	7,932
1996	17.0	16.0	49.60	7,934
1997	7.0	6.5	66.10	4,297
1998	20.0	18.5	48.80	9,036
Pears	1	lons	Dollars	1.000 Dollars
1007	8,000	(100	100.00	1,000 Domars
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
1991	3,100	3,100	298.00	925
1992	4,000	4,000	284.00	1,137
1993	5,000	4,800	348.00	1,670
1994	4,200	4,100	268.00	1,097
1995	2,900	2,800	357.00	1,000
1996	1,200	1,100	436.00	480
1997	2,600	2,580	295.00	762
1998	3,500	3,325	449.00	1,494
Tart Cherries	Millio	n Pounds	Cents	1 000 Dollars
1007	IVIIIIO	in a outitus	Cents	1,000 Donars
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
1991	1.6	1.6	41.40	663
1992	1.5	1.5	36.50	547
1993	1.6	0.9	24.90	224
1994	1.5	1.1	35.50	390
1995	1.2	1.0	41.40	414
1996	1.0	0.9	47.30	426
1997	0.7	0.6	56.00	336
1998	1.3	1.2	45.00	540

Fruits: Production, price and value, Colorado, 1987-98

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



VEGETABLE CROPS - 1998

Vegetable producers in Colorado harvested just under 11.0 million cwt of fresh market and processing crops during 1998 which had a total value of \$131.9 million, up 21 percent from the \$109.3 million received for virtually the same quantity of vegetables produced in 1997. Production was higher than the previous year for cabbage, lettuce, onions, and sweet corn. Smaller crops were produced for cantaloupe, carrots, cucumbers, and spinach. Acreage and production estimates are prepared for only eight vegetable crops. Numerous other vegetable crops are produced in the state but are not surveyed for acreage and production data.

Production of **dry storage onions** in 1998 totaled 6.1 million cwt, up 14 percent from the previous year. The harvested area increased 5 percent to 16,000 acres and the average yield of 380 cwt per acre was 30 cwt above the 1997 average. The quantity of onions expected to be marketed had an estimated value of \$77.8 million compared with \$49.5 million from the 1997 crop. Onions represented 55 percent of the total production and 59 percent of the total value from the eight crops.

Carrots were the second largest vegetable crop produced in the state, accounting for 15 percent of the total production and 13 percent of the total value. Production declined 33 percent from the previous year, to 1.6 million cwt, as a result of fewer acres harvested and lower yields. Value of the 1998 crop, at just under \$17.0 million, was 29 percent below a year earlier. Sweet corn was the third leading vegetable crop, accounting for 10 percent of the total production and 9 percent of the total value. Harvested acreage was up 10 percent, per acre yields were down slightly, production increased 6 percent and per unit prices were much improved from the previous year.

Cabbage ranked fourth in production and fifth in value. Value of production, at \$7.5 million, was up 28 percent from a year earlier as a result of a 12 percent increase in production and a 14 percent increase in prices.

Lettuce had the fifth highest production and ranked fourth in terms of value of production. Production was up 14 percent from a year earlier to 864,000 cwt but value of production, at \$9.3 million, was 16 percent below the previous year as a result of a 26 percent decline in price.

Cantaloupe ranked sixth in both production and value. Production was down 14 percent from 1997 to 304,000 cwt and value was down 23 percent to \$4.07 million.

Spinach placed seventh with a total production of 95,000 cwt, down 9 percent, from 1,900 acres harvested. The 1998 crop was valued at \$3.8 million, up 14 percent from the \$3.3 million received for the 1997 crop.

Cucumbers for pickles production in 1998 was 1,440 tons, down 76 percent from 1997. Value of the 1998 crop, at just \$230,000, was down 79 percent.

	Vegetables: A	Acreage, produc	tion and value	, Colorado, 1990)-98	
Year	Acreage planted	Acreage harvested	Yield per acre	Production	Value per unit	Total value
			Cabb	age <u>1</u> /		
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1990		***	da da da		***	
1991			***			
1992	1,300	1,200	330	396	5.90	2,336
1993	1,600	1,400	390	546	8.90	4,859
1994	1,800	1,700	480	810	7.80	0,303
1995	2,100	2 200	390	858	8.50	7 293
1997	2,300	2,200	390	819	7.20	5.897
1998	2,400	2,300	400	920	8.20	7,544
			Cantal	loupe <u>1</u> /		
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1990						
1991			***	***		
1992	1,300	1,200	90	108	10.00	1,080
1993	1,700	1,600	150	240	9.70	2,328
1994	2,000	1,800	180	324	12.80	4,147
1995	2,000	1,800	120	216	12.30	2,657
1996	2,000	1,700	200	340	10.80	3,672
1997	2,000	1,000	220	304	13.00	5,280
1778	2,200	1,500	Ca	rrots	15.40	4,074
	Acres	Acres	Cwt	1.000 Cwt	Dollars	1 000 Dollars
1990	1 500	1 300	345	1,000 C t	7.60	2 /12
1990	2,000	1,500	375	600	8.00	4 800
1992	2,700	2.600	365	949	10.60	10.059
1993	3,300	2,800	380	1,064	8.60	9,150
1994	3,500	3,100	380	1,178	10.00	11,780
1995	4,000	3,600	475	1,710	13.50	23,085
1996	4,300	4,100	350	1,435	7.10	10,189
1997	5,400	4,800	500	2,400	10.00	24,000
1998	4,400	4,000	400	1,600	10.60	16,960
-			Cucumber	s for Pickles		
	Acres	Acres	Tons	Tons	Dollars	1,000 Dollars
1990	700	700	11.34	7,940	137.00	1,088
1991	970	850	7.80	6,630	113.00	749
1992	1,500	1,400	4.84	6,/80	168.00	1,139
1995	1,000	1,000	9.37	9,570	210.00	2,010
1995	950	920	8 05	7 410	129.00	956
1996	900	900	8.00	7,200	150.00	1.080
1997	780	720	8.45	6,080	180.00	1,094
1998	160	160	9.00	1,440	160.00	230
			Let	tuce		
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars
1990	3,500	3,400	300	1,020	12.40	12,648
1991	4,800	4,700	220	1,034	6.42	6,638
1992	3,600	3,400	300	1,020	15.80	16,116
1993	3,700	3,600	290	1,044	10.80	11,275
1994	3,600	2,800	280	/84	8.89	6,970
1995	4,100	3,300	200	50X	7.00	0,304
1997	2,900	2,700	220	750	14.60	4,138
1998	2,800	2,500	320	864	10.80	9.331
/ Estimates minetated with the 10	02 000	2,700				

Colorado Agricultural Statistics 1999

Vegetables: Acreage, production and value, Colorado, 1990-98											
Year	Acreage planted	Acreage harvested	Yield per acre	Production	Value per unit	Total value					
			Spin	ach <u>1</u> /							
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars					
1990											
1991											
1992	3,300	2,600	100	260	26.10	6,786					
1993	3,600	3,500	100	350	29.10	10,185					
1994	3,600	3,400	85	289	30.00	8,670					
1995	3,000	2,700	75	203	25.00	5,075					
1996	2,800	2,500	60	150	28.60	4,290					
1997	2,900	2,000	52	104	32.00	3,328					
1998	2,000	1,900	50	95	40.00	3,800					
			Sweet Corn f	or Fresh Market							
	Acres	Acres	Cwt	1,000 Cwt	Dollars	1,000 Dollars					
1990	3,500	3,300	165	545	12.60	6,867					
1991	3,300	3,100	160	496	11.00	5,456					
1992	4,100	3,900	190	741	6.30	4,668					
1993	4,500	4,300	160	688	10.50	7,224					
1994	5,000	4,800	140	672	10.80	7,258					
1995	5,000	4,500	150	675	8.60	5,805					
1996	5,700	5,600	165	924	9.20	8,501					
1997	6,500	6,300	165	1,040	8.70	9,048					
1998	7,300	6,900	160	1,104	11.00	12,144					
			Tomatoes	for Processing							
	Acres	Acres	Tons	Tons	Dollars	1,000 Dollars					
1990	200	150	15.93	2,390	98.00	234					
1991	210	200	15.00	3,000	100.00	300					
1992	160	130	10.00	1,300	90.00	117					
1993	200	170	11.18	1,900	100.00	190					
1994	200	190	16.84	3,200	110.00	352					
1995	220	180	10.22	1,840	110.00	202					
1996	220	220	17.72	3,900	110.00	429					
1997	<u>2</u> /	<u>2</u> /	<u>2</u> /	<u>2</u> /	<u>2</u> /	<u>2</u> /					
1998	2/	2/	2/	2/	2/	2/					

 $\frac{1}{2}$ Estimates reinstated with the 1992 crop. $\frac{1}{2}$ None produced.

Onions: Acreage, production and value, Colorado, 1983-98

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
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	1,280	3,850	11.10	42,735
1991	13,500	12,700	390	4,953	743	4,210	12.40	52,204
1992	14,500	14,000	390	5,460	1,530	3,930	14.70	57,771
1993	16,000	15,500	370	5,735	1,035	4,700	21.70	101,990
1994	18,000	17,500	350	6,125	1,040	5,085	13.20	67,122
1995	19,000	17,800	345	6,141	1,290	4,851	11.20	54,331
1996	18,000	16,000	325	5,200	1,404	3,796	13.60	51,626
1997	18,000	15,300	350	5,355	1,178	4,177	12.50	49,538
1998	16,500	16,000	380	6,080	1,090	4,990	15.60	77,844

	Ususal	Usı	Usual harvesting dates					
Стор	dates	Begin	Most active	End	districts <u>1</u> /			
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			
Sunflowers	May 20 - June 10	Sept. 10	Sept. 20 - Oct. 10	Oct. 30	20, 60			
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			

Field Crops: Usual planting and harvesting dates, Colorado

1/ See footnotes at bottom of page.

Fruit Crops: Usual bloom and harvest dates, Colorado

	Ususal		Principal		
Crop blooming dates Begin		Most active	End	counties	
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	Арг. 30	July 5	July 20 - July 30	Aug. 5	Delta, Mesa

Vegetable Crops: Usual planting and harvesting dates, Colorado

Сгор	Ususal		Principal		
	dates	Begin	Most active	End	districts <u>1</u> /
Cabbage	Apr. 5 - June 1	July 15	Aug. 1 - Sept. 30	Nov. 1	20, 60, 90
Cantaloupe	May 1 - May 20	Aug. 1	Aug. 10 - Aug. 30	Sept. 30	90
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	20, 60, 70, 80
Onions	Mar. 10 - Apr. 30	July 10	Aug. 1 - Sept. 30	Oct. 31	20, 70, 90
Spinach	Apr. 1 - Aug. 1	June 20	July 20 - Sept. 1	Sept. 30	20, 60, 80
Sweet corn	Apr. 1 - June 30	July 10	July 20 - Sept. 20	Oct. 5	20, 60, 70, 90

 $\underline{1}$ / 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.

Floriculture: Production, sales, and value for operations with \$100,000 + sales, Colorado, 1997 1/

					Sales			
	Number					Percent	1	Value of
Kind	of	Plants	Production		Number	of sales at	Wholesale	sales at
	producers	grown	area	Unit	sold	wholesale	price 2/	wholesale
	-		1.000	<u> </u>		I		1.000
	Number	1,000	Sq. Ft.	1.000	1.000	Percent	Dollars	Dollars
Cut Flowers								12.932
Carnations		973	480		8,326	100	.295	2,457
Standard	11	771	378	Blooms	8,061	100	.245	1.975
Miniature	11	202	102	Bunches	265	100	1.820	482
Roses, Hybrid Tea	13	757	1,399	Blooms	18,570	98	.348	6,462
Others								4,013
Potted Flowering Plants								10,818
African Violets	7			Pots	43	98	2.160	93
Chrysanthemums	7			Pots	222	100	3.370	748
Cyclamens	19			Pots	107	91	4.230	453
Finished Florist Azaleas	10			Pots	31	98	7.550	234
Potted Kalanchoes	8			Pots	45	95	3.690	166
Easter Lilies	12			Pots	264	100	4.810	1,270
Poinsettias	32			Pots	1,514	97	4.110	6,230
Others				Pots				1,624
Foliage Plants								979
Hanging Baskets	13			Baskets	30	89	6.800	204
Potted Foliage	12		131			90		775
Bedding/Garden Plants								41,380
Flats				Flats				21,801
Geraniums	19			Flats	54	68	11.830	639
Impatiens	39			Flats	100	94	9.010	901
New Guinea Impatiens	10			Flats	5	51	8.240	41
Petunias	50			Flats	497	93	8.840	4,393
Other (Incl. Foliar)	48			Flats	1,552	90	9.000	13,968
Vegetable Type	38		***	Flats	188	76	9.890	1,859
Potted								15,530
Chrysanthemums	25			Pots	870	99	1.170	1,016
Geraniums (Cutting)	45			Pots	1,445	86	2.120	3,059
Geraniums (Seed)	18			Pots	1,327	99	.980	1,300
Impatiens	10			Pots	58	89	.900	52
New Guinea Impatiens	23			Pots	248	89	2.300	570
Petunias	16			Pots	110	82	1.080	119
Other (Incl. Foliar)	42			Pots	3,932	84	2.170	8,540
Vegetable Type	24			Pots	763	60	1.150	874
Flowering Hanging Baskets								4,049
Geraniums	38			Baskets	87	86	7.400	644
Impatiens	27			Baskets	19	88	7.150	136
New Guinea Impatiens	24			Baskets	56	94	7.570	424
Petunias	35			Baskets	43	86	6.770	291
Other	46			Baskets	348	92	7.340	2,554
Total Cut Cultivated Greens								6
Total All Plants <u>3</u> /	80							66,115

1/ During 1997, there were 185 operations that had sales of \$10,000 or more. The total covered growing area for all 185 operations of 11,562,000 square feet consisted of the following:

436,000 square feet of glass; 8,099,000 square feet of fiberglass and other rigid greenhouses;

2,683,000 square feet of film plastic (single/multiple) greenhouses; 344,000 square feet of shade and temporary cover.

In addition, plants were produced on 74 acres of open ground.

The data in the table represents production and sales only from operations with sales of \$100,000 or more. The value of sales from all 185 operations with sales of \$10,000 or more totaled \$71,290,000 in 1997.

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

Floriculture: Production, sales, and value for operations with \$100,000 + sales, Colorado, 1998 1/

					Sales			
						Descent		Mahua af
17: 1	Number	Dianta	Deceluction		Number	Percent	Whalasala	value of
Kind	10	Plants	Production	Unit	number	ubolecole	wholesale	sales at
	producers	grown	area	Unit	solu	wholesale	price <u>z</u>	wholesale
			1,000					1,000
	Number	1,000	Sq. Ft.	1,000	1,000	Percent	Dollars	Dollars
Cut Flowers								11,330
Carnations		708	1,068		6,213	100	.334	2,077
Standard	9	463	234	Blooms	5,872	100	.255	1,497
Miniature	12	245	126	Bunches	341	100	1.700	580
Roses, Hybrid Tea	13	669	1,591	Blooms	17,912	99	.311	5,571
Others								3,682
Potted Flowering Plants								9,208
African Violets	7			Pots	49	100	2.040	100
Chrysanthemums	9			Pots	196	98	3.150	618
Cyclamens	17	~~~		Pots	65	91	4.220	274
Finished Florist Azaleas	8			Pots	27	97	7.810	211
Potted Kalanchoes	7			Pots	37	98	3.380	125
Easter Lilies	16		~~~	Pots	225	99	4.280	963
Poinsettias	34			Pots	1,406	97	3.930	5,525
Others				Pots				1,392
Foliage Plants								1,789
Hanging Baskets	11			Baskets	43	99	6.740	290
Potted Foliage	12		212			94		1,499
Bedding/Garden Plants								44,467
Flats				Flats				21,955
Geraniums	18			Flats	81	98	12.390	1,004
Impatiens	38			Flats	94	89	9.690	911
New Guinea Impatiens	8			Flats	6	98	8.960	54
Petunias	47			Flats	479	93	9.130	4,373
Other (Incl. Foliar)	53			Flats	1,446	91	9.900	14,315
Vegetable Type	35			Flats	139	69	9.340	1,298
Potted								16,591
Chrysanthemums	29			Pots	819	98	1.330	1,086
Geraniums (Cutting)	49			Pots	1,371	85	2.540	3,487
Geraniums(Seed)	19			Pots	1,246	98	.990	1,234
Impatiens	12			Pots	62	90	1.020	63
New Guinea Impatiens	28			Pots	245	91	1.700	416
Petunias	13			Pots	110	92	1.290	142
Other (Incl. Foliar)	49			Pots	3,858	86	2.440	9,408
Vegetable Type	28			Pots	697	39	1.080	755
Flowering Hanging Baskets								5,921
Geraniums	41			Baskets	96	89	7.770	746
Impatiens	28			Baskets	38	92	6.680	254
New Guinea Impatiens	24			Baskets	41	85	7.860	322
Petunias	32			Baskets	68	90	6.480	441
Other	43			Baskets	589	94	7.060	4,158
Total All Plants 3/	85							66 794
10001 /111 1 Iditto JI	0.5							00,774

1/ During 1998, there were 196 operations that had sales of \$10,000 or more. The total covered growing area for all 196 operations of 11,676,000 square feet consisted of the following:

536,000 square feet of glass; 7,734,000 square feet of fiberglass and other rigid greenhouses;

3,057,000 square feet of film plastic (single/multiple) greenhouses; 349,000 square feet of shade and temporary cover.

In addition, plants were produced on 96 acres of open ground.

The data in the table represents production and sales only from operations with sales of \$100,000 or more. The value of sales from all 196 operations with sales of \$10,000 or more totaled \$71,624,000 in 1998.

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

							<u> </u>						
	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Total
					No	orthwest a	nd Moun	tain Distr	ict				
A verage 1941-70 1992 1993 1994 1995 1997	1.13 .62 1.43 .58 1.02 2.85 2.19	1.02 .67 2.20 1.22 1.82 2.38 .82	1.29 1.50 1.88 .87 1.98 1.14 .52	1.50 1.20 1.94 1.92 2.51 1.58 2.62	1.37 2.09 1.47 .89 4.01 1.32 2.20	1.28 1.14 1.11 .73 1.74 1.08 1.28	Inches 1.64 1.82 .75 .33 1.46 1.12 1.23	1.76 2.00 1.38 1.77 1.45 .71 2.75	1.19 .94 1.60 1.32 1.86 1.75 2.94	1.16 .86 2.04 1.21 .94 1.73 1.56	.99 1.43 1.35 1.46 1.38 1.72 1.11	1.13 .92 .72 .59 .94 2.07 .80	15.46 15.19 17.87 12.89 21.11 19.45 20.02
1998	1.21	1.01	1.55	1.45	.50	1.50	2.76	1.47	.84	1.99	1.13	.68	16.09
	Northeast District												
Average 1941-70 1992 1993 1994 1995 1996 1997 1998	.47 .83 .25 .66 .28 .90 .54 .30	.44 .16 .95 .53 .68 .12 .77 .44	1.00 3.22 .97 .70 .72 1.30 .50 1.64	1.69 .65 1.93 1.76 2.94 .98 2.43 1.97	2.81 1.16 1.77 1.03 5.89 3.98 2.00 1.98	2.41 4.08 2.55 1.41 3.89 1.89 3.75 2.05	1.95 2.21 1.21 1.40 1.19 2.15 2.51 3.60	1.54 3.22 1.69 1.54 .74 1.89 3.14 1.28	1.10 .32 1.95 .65 2.45 2.95 1.58 .62	1.09 .58 1.93 1.97 .66 .51 2.19 1.96	.60 1.27 1.15 .96 .82 .62 .81 1.03	.40 .51 .24 .42 .10 .15 .39 .46	15.50 18.21 16.59 13.03 20.36 17.44 20.61 17.33
						East C	Central Di	istrict		· · · · ·			
Average							Inches				· · · · · ·		
1941-70 1992 1993 1994 1995 1996 1997 1998	.41 .83 .35 .50 .45 .35 .19 .10	.39 .35 .75 .20 .49 .13 .61 .54	.87 1.94 .60 .42 .94 .89 .19 .63	1.53 .39 1.32 2.19 2.69 .72 1.29 1.49	2.56 .92 1.89 1.59 5.39 3.51 1.65 2.35	2.29 3.54 1.75 1.77 4.88 2.06 3.14 1.43	2.53 2.81 2.70 2.44 2.25 3.42 3.86 5.62	2.15 3.61 3.01 2.18 1.04 2.91 4.03 2.71	1.26 .26 .97 .61 1.69 2.08 .84 .50	1.04 .59 2.12 2.02 .48 .30 2.55 1.34	.58 .96 .99 .77 .37 .18 .55 .84	.34 .28 .21 .32 .06 .11 .50 .31	15.95 16.48 16.66 15.01 20.73 16.66 19.40 17.86
					West	t Central	and Soutl	hwest Dis	trict				
Average							Inches						
1941-70 1992 1993 1994 1995 1996 1997	1.25 .58 2.73 .55 1.24 1.62 2.37 .92	1.05 1.12 2.72 1.54 .99 1.51 1.01 1.18	1.25 2.01 1.56 .59 2.67 .84 .39 1.96	1.35 .61 1.11 2.10 1.31 1.09 2.12 1.28	1.04 3.34 2.19 .78 3.07 .54 1.89 .35	.90 .58 .35 1.67 1.08 1.08 .59	1.39 2.08 .16 .42 1.48 1.29 1.35 1.82	1.88 1.77 2.81 1.42 1.66 .63 2.16 1.06	1.37 1.01 .98 2.00 1.75 2.21 3.20 1.07	1.61 1.34 1.93 1.26 .50 2.83 1.78 2.50	1.00 1.41 1.06 1.84 .68 1.81 1.04 1.40	1.27 1.39 .70 .92 .77 1.10 .61 .52	15.36 17.24 18.30 14.00 17.79 16.55 19.00 14.65
						South	Central D	istrict					
Average							Inches						
1941-70 1992 1993 1994 1995 1995 1997 1998	.42 .18 .39 .39 .15 .45 .48 .13	.32 .17 .63 .18 .19 .22 .71 .23	.53 1.32 .77 .74 .98 .48 .17 .71	.77 .17 .46 1.27 1.23 .53 .59 .81	.76 1.33 1.41 1.65 1.49 .20 1.10 .11	.69 .80 .26 .52 1.58 1.26 1.31 .11	1.45 1.75 .59 .41 1.41 1.00 1.14 2.28	1.59 2.61 3.60 1.99 1.34 1.07 1.97 1.26	.86 .71 .99 1.35 1.27 .90 2.22 .75	.97 .15 .62 1.10 .09 .80 .74 2.18	.38 .54 .53 .96 .45 .57 .90 .67	.48 .69 .28 .13 .16 .71 .33 .12	9.22 10.59 10.53 10.69 10.34 8.19 11.66 9.36
						Sout	heast Dist	trict					
Average							Inches						
1941-70 1992 1993 1994 1995 1996 1998	.56 .20 .42 .44 .39 .30 .38 .14	.54 .43 .94 .04 .23 .19 .91 .57	.95 .79 1.50 1.04 .98 1.11 .26 2.04	1.51 .37 1.30 1.90 2.28 .60 1.96 1.83	1.96 1.17 2.68 2.27 4.59 2.69 .74 .91	1.61 3.33 1.71 1.65 3.25 2.12 1.70 .67	2.24 3.09 1.07 1.74 1.65 3.70 1.85 5.42	2.05 3.41 2.93 3.40 1.15 3.32 5.21 2.49	1.05 .25 .88 .77 1.24 1.92 1.58 .70	1.02 .38 .96 1.05 .03 .54 2.66 2.07	.62 1.72 .98 .89 .27 .41 1.41 1.27	.55 .40 .17 .19 .12 .27 .92 .34	14.66 15.54 15.54 15.38 16.18 17.17 19.58 18.45

Precipitation: Monthly and annual averages by district, Colorado, 1992-98 1/

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

COLORADO FARM INCOME

The gross farm income for Colorado's 29,500 farms in operation during 1997 totaled \$4.90 billion, up 2 percent from \$4.82 billion generated from the same number of farms in operation during 1996. Production expenses increased 3 percent to \$4.12 billion. Net farm income, at \$788.4 million for 1997, was down 6 percent from \$838.2 million the previous year.

Final crop output, valued at \$1.42 billion for 1997, was 8 percent below the comparable value of \$1.53 billion for 1996. Final animal output for 1997 increased 7 percent from the previous year to just over \$3.00 billion. Receipts from services and forestry products totaled \$426.3 million in 1997, up nearly 1 percent from a year earlier. Net government transactions for 1997 were down 5 percent from the previous year to \$56.6 thousand.

Total production expenses for 1997 increased 3 percent from a year earlier to \$4.12 billion. Intermediate consumption outlays were the major component of production expenses. The total for these expenditures was \$3.09 billion in 1997, up 3 percent from \$2.99 billion in 1996 which represented 75 percent of the total production expenses. Farm origin outlays totaled \$1.78 billion in 1997 and were up 2 percent from the previous year. The farm origin components represented 57 percent of the intermediate consumption outlays and 43 percent of the total production expenses. Livestock and poultry purchases, at \$987.9 million in 1997, were up 2 percent from a year earlier. Expenditures for feed purchased increased 2 percent to \$689.3 million and expenditures for seed purchased increased by 10 percent from the previous year to \$98.6 million.

(Continued on next page)

Fa	rm income	indicators, C	-010rado, 199	2-97		
Item	1992	1993	1994	1995	1996	1997
			Thousa	and Dollars		
Gross Farm Income 1/	4,212,681	4,714,164	4,434,111	4,626,865	4,818,628	4,904,054
Final Crop Output	1,020,420	1,207,966	1,295,950	1,353,473	1,531,915	1,415,573
Final Animal Output	2,798,385	3,034,738	2,733,877	2,841,119	2,803,892	3,005,578
Services and Forestry	276,146	313,803	334,480	377,423	422,985	426,291
Net Government Transactions	117,730	157,655	69,804	54,850	59,836	56,612
Total Production Expenses	3,453,029	3,684,207	3,854,260	4,034,613	3,980,440	4,115,610
Intermediate Consumption Outlays	2,688,093	2,912,093	2,964,176	3,054,966	2,988,541	3,089,328
Farm Origin	1,804,837	1,925,136	1,759,626	1,844,123	1,735,833	1,775,794
Feed Purchased	420,109	447,014	499,753	638,349	676,168	689,271
Livestock and Poultry Purchased	1,316,677	1,405,435	1,174,610	1,124,241	969,872	987,937
Seed Purchased	68,051	72,687	85,263	81,533	89,793	98,586
Manufactured Inputs	279,112	289,401	349,322	366,144	413,766	402,405
Fertilizers & Lime	75,773	86,477	112,133	119,100	131,267	138,488
Pesticides	47,917	52,774	61,701	64,889	70,816	76,892
Petroleum Fuel and Oils	93,467	91,575	101,597	101,661	118,219	123,357
Electricity	61,955	58,575	73,891	80,494	93,464	63,668
Other Intermediate Expenses	604,144	697,556	855,228	844,699	838,942	911,129
Repair & Maintenance	136,411	137,486	162,487	159,841	172,737	163,382
Machine Hire & Custom Work	72,866	78,078	80,467	99,729	69,566	76,638
Marketing, Storage, & Transportation	63,290	113,989	122,757	124,829	111,900	158,175
Contract Labor	12,862	13,154	12,039	17,942	21,674	23,743
Miscellaneous Other	318,715	354,849	477,478	442,358	463,065	489,191
Factor Payments	486,780	486,109	593,209	677,484	687,738	719,857
Employee Compensation (Hired Labor)	158,894	195,801	256,213	268,216	268,025	293,719
Net Rent to Non-Operator Landlords	86,156	73,112	91,323	137,424	161,019	154,262
Real Estate/Non-Real Estate Interest	241,730	217,196	245,673	271,844	258,694	271,876
Capital Consumption	278,156	286,005	296,875	302,163	304,161	306,425
Net Farm Income	759,652	1,029,955	579,851	592,253	838,187	788,444
Number of Farms	25,500	29,500	29,500	29,500	29,500	29,500
1/ Includes operator households.						

Colorado Agricultural Statistics 1999

Expenses for manufactured inputs totaled \$402.4 million in 1997, down 3 percent from \$413.8 million in 1996. Fertilizer and lime expenditures increased 6 percent to \$138.5 million. Petroleum fuel and oil expenses were up 4 percent to \$123.4 million. Expenses for electricity dropped 32 percent to \$63.7 thousand while expenses for pesticides increased 9 percent to \$76.9 thousand. Other intermediate expenses for 1997, at \$911.1 million, increased 9 percent from the previous year. Repair and maintenance expenses declined 5 percent to \$163.4 million while outlays for all other components of the other intermediate group were higher. Factor payments such as hired labor, rent to non-operator landlords, and interest totaled \$719.9 million in 1997, up 5 percent from \$687.7 million in 1996. Capital consumption totaled \$306.4 million in 1997, up nearly 1 percent from \$304.2 million the previous year.

Colorado's 1997 farm balance sheet improved very slightly from the previous year. Total farm assets were up slightly more than 5 percent to \$22.78 billion while total farm debt increased slightly under 5 percent to \$3.55 billion. The largest asset item, real estate, was valued at \$17.79 billion and was 5 percent higher than a year earlier. This item represented 78.1 percent of the total farm asset value. The value of livestock and poultry, at \$2.12 billion, was up 10 percent from \$1.93 billion in 1996. The value of purchased inputs increased 17 percent to \$92.3 million and financial assets were up 4 percent to \$1.15 billion. The value of machinery and motor vehicles declined 1 percent, from \$1.20 billion in 1996 to \$1.10 billion in 1997. The value of crops, at \$428.3 million, at the end of 1997, was up 3 percent from \$416.7 million at the end of 1996. Total farm debt was up nearly 5 percent to \$3.55 billion as higher non-real estate debt more than offset less real debt. Non-real estate debt increased 10 percent to \$1.86 billion while real estate debt declined 1 percent to \$1.69 billion. Overall farm equity increased 5 percent to \$19.22 billion. The debt/equity ratio declined to 18.5 percent for 1997 compared with 18.6 percent the previous year while the debt/assets ratio of 15.6 was down from 15.7 a year earlier.

Livestock and livestock products continued to be the leading contributor to Colorado's cash receipts with a total value of \$2.87 billion in 1997. This was up 3 percent from \$2.78 billion the previous year and represented 68.2 percent of the total cash receipts from all commodities, at \$4.21 billion. Receipts from cattle and calves totaled \$2.15 billion in 1997 which accounted for 75 percent of the total livestock receipts and 51.0 percent of the total cash receipts from all commodities.

Receipts from crops totaled \$1.34 billion in 1997, down 5 percent from the previous year, representing 31.8 percent of the total. Corn was the state's second leading contributor to cash receipts with \$290.9 million followed by wheat with \$237.5 million. The increased production and sales of greenhouse and nursery products moved that group up to fourth position with \$228.4 million; dairy products ranked fifth with \$223.1 million; hay was sixth with \$204.1 million; hogs and pigs ranked seventh with \$201.7 million; sheep and lambs were eighth with \$144.4 million; poultry and eggs were ninth with \$118.7 million; and potatoes were tenth with \$71.1 million. The top ten commodities accounted for 91.8 percent of the total cash receipts from all commodities in 1997.

ltem	1992	1993	1994	1995	1996	1997						
		Million Dollars										
Total Farm Assets	17,109.0	18,769.5	19,671.0	20,495.5	21,656.6	22,778.2						
Real Estate	12,583.8	13,956.5	14,954.2	16,013.4	16,931.7	17,792.6						
Livestoek & Poultry 2/	2,055.4	2,082.4	1,996.1	1,712.7	1,927.4	2,124.0						
Machinery & Motor Vehicles 3/	1,168.5	1,199.5	1,216.4	1,211.1	1,198.4	1,190.0						
Crops <u>4</u> /	359.3	491.2	367.7	440.8	416.7	428.3						
Purchased Inputs	113.4	76.0	91.2	58.9	78.8	92.3						
Financial	828.4	963.7	1,045.1	1,058.3	1,103.4	1,150.6						
Total Farm Debt	2,791.9	2,940.5	3,054.7	3,281.1	3,396.3	3,554.7						
Real Estate	1,486.9	1,547.3	1,565.6	1,674.7	1,705.8	1,692.2						
Non-Real Estate <u>5</u> /	1,304.9	1,393.2	1,489.1	1,606.3	1,690.5	1,862.4						
Equity	14,317.1	15,829.0	16,616.2	17,214.4	18,260.2	19,223.5						
	Ratio											
Debt/Equity	19.5	18.6	18.4	19.1	18.6	18.5						
Debt/Assets	16.3	15.7	15.5	16.0	15.7	15.6						

Farm balance sheet, Colorado, December 31, 1992-97 1/

1/ Includes operator dwellings. 2/ Excludes horses, mules, and broilers. 3/ Includes only farm share value for autos and trueks.

4/ All crops held on farms including value above loan rates for crops held under CCC. 5/ Excludes debt for non-farm purposes.

Farm Income: Cash receipts by commodity, Colorado, 1994-97 1/

	1994		1995		1996		199	7
Commodity	Cash receipts	Percent of total						
	1,000 Dollars	%	1,000 Dollars	%	1,000 Dollars	%	1,000 Dollars	%
All commodities	4,041,410	100.0	4,046,823	100.0	4,196,379	100.0	4,214,933	100.0
Livestock and products	2,764,168	68.4	2,643,821	65.3	2,779,434	66.2	2,874,702	68.2
Meat animals	2,412,907	59.7	2,292,119	50.0	2,364,862	56.4	2,494,411	59.2
Hogs	2,224,105	22.0	2,081,211	2.6	2,072,482	49.4	2,148,314	51.0
Sheep and lambs	94,129	2.5	104 808	2.0	114 627	4.2	201,090	4.0 3.4
Dairy products	214,160	5.3	206.240	5.1	245.769	5.9	223 100	53
Milk, retail	15,600	.4	15,400	.4	18,009	.4	16.400	.4
Milk, wholesale	198,560	4.9	190,840	4.7	227,760	5.4	206,700	4.9
Poultry/eggs	106,957	2.6	111,306	2.8	131,934	3.1	118,726	2.8
Chicken eggs	42,790	1.0	47,361	1.2	52,170	1.2	51,420	1.2
Other poultry	64,167	1.6	63,945	1.6	79,764	1.9	67,306	1.6
Miscellaneous livestock	30,144	.7	34,156	.8	36,869	.9	38,465	.9
Wool	1,915	т 1	1,971	т 1	1,887	·* 1	1,579	*
	2,217 2,274	.1	2 260	.1	5,152 2,428	1	3,303	.1
Other livestock	22,638	6	25 600	6	29 402	.1	30,660	.1
Crops	1.277.242	31.6	1,403,002	34.7	1.416.945	33.8	1.340.231	31.8
Food grains	299,196	7.4	417,920	10.3	337,775	8.0	237,661	5.6
Wheat	299,107	7.4	417,808	10.3	337,649	8.0	237,526	5.6
Feed crops	473,928	11.7	500,170	12.4	498,041	11.9	537,876	12.8
Barley	15,178	.4	26,441	.7	24,918	.6	24,583	.6
Com	272,267	6.7	296,832	7.3	263,182	6.3	290,859	6.9
Hay	16/,666	4.1	159,259	3.9	181,778	4.3	204,096	4.8
Sorghum grain	1,004	4	1,412	4	1,012	6	1,324	т 4
Oilcrops	17,015	.4	13,486	.4	20,331	.0	17,014	.4
Vegetables	304.186	7.5	272,813	67	279 402	67	234 116	56
Beans, dry	55,413	1.4	47,756	1.2	53,967	1.3	40,591	1.0
Potatoes	130,638	3.2	114,467	2.8	121,567	2.9	71,096	1.7
Summer	14,878	.4	17,041	.4	12,997	.3	12,911	.3
Fall	115,760	2.9	97,426	2.4	108,570	2.6	58,185	1.4
Cabbage	6,365	.2	3,534	.1	7,293	.2	5,897	.1
Carrots	4,14/	.1	2,057	.1	3,672	.1	5,280	.1
	7 258	.5	25,065	.0	8 501	.2	24,000	.0 2
Cucumbers	1.728	*	956	*	1.080	*	1 094	.∠ *
Lettuce	6,970	.2	6,564	.2	4,158	.1	11.081	.3
Onions	63,865	1.6	53,712	1.3	54,256	1.3	50,701	1.2
Spinach	8,670	.2	5,075	.1	4,290	.1	3,328	.1
Miscellaneous vegetables	7,352	.2	9,202	.2	10,429	.2	12,000	.3
Fruits/nuts	21,780	.5	20,292	.5	16,531	.4	13,744	.3
Apples	12,981	.3	8,881	.2	5,121	.1	5,092	.1
Peaches	5 742	1	414	÷ 2	420	`	330	т 1
Pears	1 097	.1	1,932	*	480	ے۔ *	4,297 047	. I *
Other berries	70	*	65	*	70	*	72	*
Miscellaneous fruits & nuts	1.500	*	2.000	*	2,500	.1	3.000	.1
All other crops	165,298	4.1	178,321	4.4	269,780	6.4	302,880	7.2
Sugar beets	33,772	.8	25,311	.6	42,518	1.0	44,603	1.1
Other seeds	950	*	930	*	900	*	900	*
Miscellaneous other crops	20,876	.5	23,562	.6	28,056	.7	26,910	.6
Forest products & Christmas trees	750	*	700	*	1,580	*	2,090	*
Floriculture	108,950	2.7	127,818	3.2	196,726	4.7	228,377	5.4
Other Greenhouse	54,950	1.3	64,000	1.0	07,720	1.0	158 000	1./
Outer Oreennouse	54,000	1.3	04,000	1.0	129,000	3.1	138,000	3.1

1/ Totals may not add due to rounding. * Less than 0.05 percent.

Source: USDA Economic Research Service. Cash receipt data reflect income derived from the sale of agricultural commodities during a calendar year for only that portion of the commodity that is sold.

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.

	Price per unit <u>1</u> /									
Commodity	Unit	1990	1991	1992	1993	1994	1995	1996	1997	1998
						Dollars				
Wheat, all	Bu.	2.46	3.07	3.15	3.21	3.48	4.64	4.26	3.17	2.60
Wheat, winter	Bu.	2.47	3.07	3.15	3.21	3.48	4.65	4.27	3.17	2.60
Wheat, spring	Bu.	2.28	3.05	3.00	2.83	3.28	4.30	3.97	3.16	2.40
Corn, grain	Bu.	2.36	2.43	2.23	2.65	2.38	3.33	2.76	2.59	2.10
Corn, silage	Ton	21.60	20.00	19.10	19.90	22.00	22.00	24.00	24.00	22.00
Barley, all	Bu.	3.06	3.14	2.57	2.93	2.64	2.95	3.05	2.98	2.90
Sorghum, grain	Bu.	2.09	2.25	1.92	2.50	2.14	3.14	2.27	2.19	1.75
Sorghum, silage	Ton	19.50	17.70	18.00	20.00	20.00	20.00	19.00	21.50	21.00
Dry beans 2/	Cwt.	15.90	13.70	19.00	27.00	16.60	18.50	22.50	18.70	16.70
Sunflowers, all 3/	Cwt.		9.60	10.20	13.20	11.30	12.70	13.30	12.30	11.80
Oil varieties	Cwt.		8.00	8.75	12.30	10.20	11.40	10.80	10.90	10.70
Non-oil varieties	Cwt.		11.70	13.00	15.00	14.00	14.10	15.80	14.30	14.20
Sugar beets	Ton	39.80	39.80	39.50	38.40	35.70	35.40	41.20	34.10	5/
Oats	Bu.	1.70	1.60	1.70	1.82	1.80	2.17	2.24	2.05	1.70
Hay, all (baled)	Ton	80.50	70.50	64.50	77.00	91.00	88.50	98.00	101.00	94.00
Potatoes, all	Cwt.	4.65	2.25	4.20	6.05	3.75	6.25	1.90	4.60	3.80
Potatoes, summer	Cwt.	6.80	4.90	5.55	5.35	5.15	6.45	4.10	5.30	5.05
Potatoes, fall	Cwt.	4.45	2.00	4.05	6.15	3.55	6.25	1.60	4.50	3.70
Rye	Bu.	1.70	1.90	2.30	2.61	2.50	2.55	3.41	3.30	1.80
Apples, commercial	Lb.	.147	.156	.145	.147	.157	.145	.202	.151	.149
Cherries, tart	Lb.	.207	.414	.365	.249	.355	.414	.473	.560	.450
Peaches	Lb.	.356	.380	.333	.311	.319	.496	.496	.661	.488
Pears	Ton	336.00	298.00	284.00	348.00	268.00	357.00	436.00	295.00	449.00
Cabbage <u>4</u> /	Cwt.			5.90	8.90	7.80	6.20	8.50	7.20	8.20
Cantaloupe <u>4</u> /	Cwt.			10.00	9.70	12.80	12.30	10.80	15.00	13.40
Carrots	Cwt.	7.60	8.00	10.60	8.60	10.00	13.50	7.10	10.00	10.60
Cucumbers for pickles	Ton	137.00	113.00	168.00	210.00	200.00	129.00	150.00	180.00	160.00
Lettuce	Cwt.	12.40	6.42	15.80	10.80	8.89	7.65	7.00	14.60	10.80
Onions	Cwt.	11.10	12.40	14.70	21.70	13.20	11.20	13.60	11.80	15.60
Spinach <u>4</u> /	Cwt.			26.10	29.10	30.00	25.00	28.60	32.00	40.00
Sweet Corn	Cwt.	12.60	11.00	6.30	10.50	10.80	8.60	9.20	8.70	11.00
Tomatoes, processing	Ton	98.00	100.00	90.00	100.00	110.00	110.00	110.00	<u>6</u> /	<u>6</u> /
Beef cattle	Cwt.	78.50	75.30	74.10	76.80	69.20	64.70	61.80	65.20	61.30
Milk cows	Hd.	1,160.00	1,160.00	1,150.00	1,200.00	1,220.00	1,170.00	1,160.00	1,180.00	1,210.00
Calves	Cwt.	99.80	103.00	96.20	101.00	90.10	75.20	60.70	86.20	84.10
Steers & heifers	Cwt.	80.00	76.30	76.30	78.50	70.50	66.60	63.80	67.10	63.00
Cows	Cwt.	53.10	51.50	53.20	52.20	47.10	36.90	32.60	37.80	34.80
Sheep	Cwt.	24.10	22.40	26.40	28.80	29.10	27.30	30.40	36.10	30.00
Lambs	Cwt.	54.40	54.00	61.20	64.00	65.60	79.60	88.40	89.80	72.20
Hogs	Cwt.	55.80	52.10	43.90	47.00	41.60	42.00	54.70	55.60	36.40
Chickens	Lb.	.120	.110	.100	.100	.070	.040	.030	.030	.030
Eggs	Doz.	.778	.730	.614	.688	.660	.706	.756	.720	.671
Milk sold to plants	Cwt.	14.50	12.70	13.40	13.00	13.60	13.00	14.60	13.00	15.00
Wool	Lb.	.71	.52	.74	.50	.72	1.09	.73	.89	.53

Marketing year average prices, by commodity, Colorado, 1990-98

1/ Does not include government payment.
 2/ Price applies to clean basis.
 3/ Estimates began in 1991.
 4/ Estimates resumed in 1992.
 5/ Available February 2000.
 6/ No production in 1997-98.

	Pr	ices Rece	ived: M	onthly a	verages s	selected of	commodi	ities, Col	orado, 1	990-98		
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
						All W	/heat					
						Dollars P	er Bushel					
1990 1991 1992 1993 1994 1995 1995 1996 1997	3.74 2.39 3.47 3.36 3.58 3.71 4.87 4.20 3.17	3.67 2.31 3.88 3.29 3.35 3.65 5.08 4.06 3.18	3.40 2.44 3.77 3.24 3.28 3.51 5.24 4.07 3.25	3.34 2.56 3.67 3.02 3.33 3.46 5.67 4.25 3.08	3.42 2.62 3.44 2.99 3.15 3.53 5.59 4.17 2.92	3.02 2.61 3.48 2.97 3.03 3.92 5.50 3.67 2.87	2.69 2.47 3.06 2.70 3.02 4.20 4.78 3.20 2.52	2.42 2.57 2.79 2.83 3.12 4.22 4.60 3.33 2.25	2.37 2.81 3.07 2.83 3.48 4.40 4.19 3.31 2.24	2.30 3.10 3.18 3.01 3.67 4.60 4.17 3.21 2.68	2.34 3.32 3.22 3.19 3.68 4.79 4.16 3.16 2.67	2.36 3.41 3.26 3.54 3.64 4.87 4.09 3.25 2.69
						Corn fo	r Grain		-			
						Dollars P	er Bushel					
1990 1991 1992 1993 1994 1995 1997 1998	2.23 2.28 2.40 2.17 2.80 2.25 3.22 2.66 2.65	2.29 2.34 2.49 2.14 2.77 2.29 3.60 2.67 2.57	2.30 2.40 2.53 2.21 2.82 2.34 3.63 2.83 2.61	2.48 2.48 2.53 2.23 2.81 2.40 4.11 2.78 2.42	2.55 2.48 2.54 2.26 2.79 2.50 4.61 2.75 2.41	2.71 2.49 2.57 2.24 2.80 2.61 4.72 2.59 2.81	2.67 2.43 2.51 2.29 2.44 2.87 4.83 2.61 2.77	2.70 2.49 2.27 2.34 2.45 2.85 4.49 2.60 2.05	2.52 2.43 2.34 2.47 2.35 3.02 4.00 2.68 1.87	2.31 2.35 2.25 2.43 2.25 2.92 2.94 2.65 2.02	2.26 2.37 2.19 2.49 2.22 2.95 2.91 2.57 2.03	2.28 2.39 2.16 2.68 2.32 3.20 2.70 2.55 2.12
						Sorghum	for Grain					
						Dollars I	Per Cwt					
1990 1991 1992 1993 1994 1995 1995 1997 1998	$3.67 3.64 4.00 3.37 4.45 3.65 6.10 \frac{2}{2}$	3.31 3.85 4.20 3.30 4.97 3.76 6.23 <u>2/</u> 2/	3.87 3.94 4.29 3.27 4.78 3.84 6.62 <u>2/</u> 2/	4.06 4.23 4.25 3.51 4.79 4.16 7.22 2/ 2/	$\begin{array}{c} 4.22 \\ 4.06 \\ 4.31 \\ 3.38 \\ 4.34 \\ 4.21 \\ 8.15 \\ \underline{2}/ \\ \underline{2}/ \end{array}$	$\begin{array}{c} 4.29 \\ 3.80 \\ 4.23 \\ 3.10 \\ 4.48 \\ 4.22 \\ 8.11 \\ \underline{2}' \\ \underline{2}' \end{array}$	$ \begin{array}{r} \frac{1}{3.93} \\ 4.06 \\ 3.63 \\ 3.50 \\ 4.68 \\ 7.75 \\ \frac{2}{2} \\ 2/ \end{array} $	$ \frac{1}{4.28} 3.85 3.64 3.97 4.49 6.93 \frac{2}{2}$	3.70 3.80 1/ 4.19 3.56 5.48 6.40 2/ 2/	3.39 3.91 3.37 3.93 3.62 5.22 2/ 2/ 2/	$3.47 3.76 3.32 4.28 3.52 5.11 \frac{2!}{2!} $	3.80 3.80 3.40 4.50 3.60 5.29 <u>2/</u> <u>2/</u> 2/
						All Ba	arley					
						Dollars Pe	er Bushel	······				
1990	2.36 2.94 3.21 2.36 2.50 2.07 2.91 2.64 2.15	2.35 3.20 3.32 2.31 2.50 2.06 3.26 2.41 2.49	2.30 3.17 2.24 2.31 2.19 2.15 2.71 2.40 2.39	2.29 2.41 2.20 3.01 2.55 2.18 3.05 2.61 2.49	2.55 2.25 2.57 2.05 2.35 2.30 3.19 3.03 2.16	2.45 2.32 2.89 1.94 2.29 2.38 3.54 2.56 2.04	2.53 2.57 2.52 3.16 2.78 2.18 3.18 3.24 3.04	2.89 3.54 3.25 3.17 3.08 2.90 3.15 3.14 2.94	3.24 2.66 2.44 2.40 2.51 2.73 3.04 2.92 2.77	2.25 3.28 2.32 2.55 2.11 2.84 3.03 3.02 3.14	3.44 3.30 2.26 3.26 2.80 3.09 2.99 2.74 2.64	3.42 3.33 2.11 2.22 2.12 3.03 3.10 2.14 2.16
						Feed B	arley					
						Dollars Pe	er Bushel					
1990	2.36 1.99 2.19 2.30 2.04 2.91 2.60 2.15	2.35 2.00 2.40 2.05 2.50 2.06 3.33 2.41 2.21	2.30 2.05 2.24 1.98 2.19 2.15 2.71 2.40 2.32	2.29 2.32 2.20 2.02 2.55 2.18 3.46 2.61 2.02	2.55 2.24 2.29 2.05 2.35 2.30 3.19 2.66 2.16	2.45 2.32 2.17 1.94 2.29 2.38 3.54 2.56 2.04	2.15 2.08 2.07 1.93 2.12 2.18 3.14 2.20 1.69	2.04 2.04 1.84 2.03 1.96 2.37 3.06 3.14 2.94	2.08 1.94 1.87 2.07 1.99 2.38 2.80 2.09 1.70	1.97 2.01 1.90 1.94 2.07 2.82 2.62 2.08 1.50	$\begin{array}{c} 2.06\\ 2.20\\ 1.95\\ 2.12\\ 2.09\\ 2.99\\ 2.99\\ 2.02\\ 1.78\end{array}$	2.01 2.12 2.00 2.22 2.05 3.07 2.51 2.14 1.71

 $\frac{1}{2}$ Insufficient sales. $\frac{1}{2}$ Discontinued monthly price October 1996.

		1	1							1		
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
						Dry I	Beans					
						Dollars	Per Cwt					
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
1991	14.80	15.70	15.90	15.90	17.60	17.80	16.40	14.40	13.40	13.30	12.80	12.60
1992	11.80	13.40	13.60	13.80	14.10	14.30	15.20	16.00	18.40	19.20	20.30	20.40
1993	20.40	20.10	18.80	17.90	17.10	17.10	17.30	19.60	22.90	29.30	29.90	29.30
1994	29.70	30.20	28.40	28.10	27.70	24.70	21.30	27.30	16.80	17.20	17.20	16.20
1995	15.40	15.30	16.00	16.30	16.70	17.20	17.00	16.30	16.50	16.90	15.40	15.30
1996	15.50	16.70	18.10	21.80	26.80	27.00	26.10	25.00	26.00	23.60	23.20	22.20
1997	21.30	21.10	19.90	19.70	19.90	20.40	19.40	18.30	15.50	15.70	17.80	19.20
1998	22.10	22.90	19.90	21.50	21.00	21.60	21.50	20.20	16.70	16.30	17.80	16.40
						All Hay	, Baled					
						Dollars	Per Ton					
1990	95.00	95.00	93.00	90.00	87.00	84.00	85.00	83.00	79.00	79.00	78.00	80.00
1991	79.00	79.00	81.00	78.00	77.00	75.00	75.00	74.00	74.00	72.00	71.00	71.00
1992	67.00	68.00	66.00	67.00	65.00	65.00	61.00	63.00	61.00	62.00	62.00	63.00
1993	65.00	68.00	72.00	74.00	72.00	71.00	76.00	73.00	73.00	72.00	75.00	77.00
1994	83.00	86.00	94.00	91.00	89.00	90.00	88.00	90.00	93.00	91.00	91.00	94.00
1995	92.00	89.00	93.00	91.00	90.00	91.00	89.00	90.00	90.00	90.00	87.00	87.00
1996	89.00	88.00	82.00	84.00	88.00	87.00	85.00	93.00	95.00	98.00	98.00	98.00
1997	106.00	109.00	111.00	115.00	125.00	120.00	100.00	100.00	101.00	100.00	101.00	101.00
1998	105.00	100.00	102.00	97.00	91.00	85.00	92.00	91.00	94.00	98.00	98.00	89.00
						Alfalfa H	ay, Baled					
						Dollars	Per Ton					
1000	05.00	05.00	03.00	00.00	87.00	84.00	85.00	83.00	81.00	80.00	70.00	00.00
1990	95.00	70.00	93.00	70.00	77.00	75.00	75.00	72.00	74.00	72.00	79.00	72.00
1991	60.00	79.00	61.00	79.00	11.00	75.00	/3.00	62.00	74.00	62.00	72.00	72.00
1992	08.00	08.00	00.00	07.00	05.00	05.00	01.00	03.00	01.00	02.00	05.00	03.00
1993	05.00	08.00	72.00	74.00	72.00	/1.00	/6.00	73.00	/3.00	72.00	75.00	//.00
1994	83.00	86.00	94.00	91.00	89.00	90.00	88.00	90.00	93.00	91.00	91.00	94.00
1995	92.00	89.00	93.00	91.00	90.00	91.00	89.00	89.00	90.00	90.00	87.00	87.00
1996	90.00	89.00	83.00	85.00	89.00	87.00	85.00	94.00	96.00	99.00	99.00	99.00
1997	107.00	111.00	111.00	115.00	125.00	120.00	100.00	100.00	100.00	100.00	100.00	100.00
1998	105.00	100.00	102.00	97.00	90.00	85.00	92.00	90.00	93.00	97.00	98.00	88.00
						Dollars	Per Ton					
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
1991	77.00	75.00	76.00	75.00	74.00	73.00	74.00	77.00	76.00	70.00	67.00	67.00
1992	66.00	63.00	67.00	66.00	67.00	65.00	65.00	67.00	59.00	60.00	60.00	61.00
1993	63.00	64.00	66.00	68.00	67.00	69.00	74.00	72.00	69.00	69.00	71.00	78.00
1994	79.00	81.00	87.00	88.00	86.00	88.00	85.00	84.00	87.00	89.00	89.00	93.00
1995	94.00	91.00	95.00	93.00	93.00	92.00	90.00	92.00	89.00	85.00	85.00	85.00
1996	80.00	82.00	73.00	74.00	75.00	76.00	75.00	81.00	87.00	85.00	87.00	88.00
1997	98.00	95.00	100.00	110.00	115.00	110.00	105.00	105.00	105.00	105.00	110.00	110.00
1998	110.00	105.00	106.00	105.00	98.00	93.00	100.00	98.00	101.00	105.00	106.00	96.00
						A 11 D -	4 - 4					
				<u></u>		Dollars	Per Cwt					
1000	7 / 5	0.50	11.00	11.20	0 75	0.10	0.50	0.05	5 75	4.15	2.65	2 90
1990	1.65	8.50	11.00	11.30	8.75	9.10	9.50	8.95	5.75	4.15	3.65	3.80
1991	4.30	4.10	4.00	4.25	4.10	7.75	8.00	4.50	3.65	2.30	2.30	2.00
1992	2.05	2.05	1.60	1.45	1.35	2.75	5.35	5.40	5.50	4.90	4.10	3.65
1993	3.65	3.60	3.75	4.00	4.50	4.15	4.15	4.60	4.50	5.10	5.90	5.70
1994	5.60	5.90	7.90	7.35	6.85	5.80	6.15	5.75	3.50	3.00	2.95	3.15
1995	2.85	2.70	3.30	2.95	4.15	6.85	8.95	6.75	7.50	6.20	6.00	5.50
1996	6.25	6.60	6.90	6.45	6.25	6.00	4.95	4.55	3.40	2.95	2.20	1.60
1997	1.55	1.65	1.70	1.25	.85	.75	2.85	5.50	5.70	5.10	4.75	4.45
1998	4.50	4.40	4.90	4.30	4.05	3.90	4.60	5.00	5.60	4.55	3.95	3.55

Prices Received: Monthly averages selected commodities, Colorado, 1990-98

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
						Beef	Cattle					
						Dollars	Per Cwt				-	
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
990	. 77.30	77.90	78.40	79.00	77.30	77.30	76.30	78.90	80.30	80.20	78.80	79.80
1991	. 78.90	80.10	81.90	81.20	80.10	74.70	73.40	69.50	69.20	73.70	72.10	70.00
1992	. 71.10	74.70	76.50	76.20	74.50	71.60	72.00	73.00	75.30	75.20	73.90	74.60
1993	. 79.50	79.30	81.70	82.50	79.40	76.20	73.50	75.50	74.80	73.10	73.80	71.50
1994	. 73.80	72.60	75.60	75.40	67.90	63.70	63.90	67.40	66.30	67.30	68.60	67.40
995	. 71.30	72.10	69.90	66.00	64.30	62.70	60.50	61.60	62.20	61.80	64.00	62.80
1996	. 60.70	60.40	59.50	56.90	59.00	59.00	63.10	64.80	66.40	64.70	65.80	63.10
997	. 62.60	64.30	67.00	67.10	66.20	62.80	62.20	65.10	66.80	67.50	66.30	65.30
998	. 64.40	60.40	63.10	64.80	64.00	63.40	58.90	57.90	57.90	61.30	61.60	58.40
						Co	WS					
						Dollars	Per Cwt					
988	47.20	51.60	54.10	52.30	49.80	44.90	47.10	48.60	50.50	47.70	48.50	46.90
989	50.00	57.60	50.50	53.70	47.50	47.20	46.50	51.20	50.50	48.80	47.50	49.40
990	53.40	54.00	54.30	54.20	56.70	56.80	55.80	56.10	53.90	50.50	48.80	51.00
991	51.00	52.70	54.10	55.20	54.90	52.80	52.40	51.90	49.60	51.60	47.60	51.30
992	52.10	56.30	56.30	56.70	55.40	54.20	56.20	52.60	53.60	49.50	48.10	50.60
.993	53.00	54.50	54.00	56.50	55.70	56.10	55.40	54.60	53.90	49.80	47.50	47.40
.994	49.50	51.30	52.30	52.60	51.70	48.70	49.00	49.00	45.30	38.80	36.00	37.20
.995	40.10	44.30	42.20	39.00	37.90	39.40	36.80	37.50	35.30	33.20	31.10	31.60
.996	33.50	34.70	33.70	30.30	32.30	33.00	34.00	34.80	33.80	32.00	29.90	29.90
.997	30.80	35.30	40.10	41.90	40.50	40.80	41.40	42.30	41.10	37.10	32.40	33.30
998	35.60	36.90	36.80	37.00	36.60	36.50	35.50	35.10	33.10	30.30	30.40	30.60
		Steers and Heifers										
						Dollars	Per Cwt					
988	68.90	70.90	73.10	74.90	76.10	72.20	66.60	69.50	72.00	75.60	75.70	73.80
989	76.10	75.60	78.70	77.30	75.70	72.60	71.90	74.10	72.80	75.10	77.70	77.30
990	79.50	79.30	80.00	80.50	78.90	77.80	76.70	79.80	80.90	81.50	83.20	81.60
991	80.60	81.10	82.80	82.10	80.90	75.50	73.70	69.80	69.60	75.60	74.30	71.40
992	73.10	77.10	78.50	78.00	76.60	73.30	73.50	74.50	76.70	77.80	77.40	77.90
993	81.80	81.20	83.50	84.50	81.70	77.30	74.30	76.10	75.90	76.00	76.10	73.60
994	75.60	74.00	77.10	77.10	68.70	64.50	64.70	68.00	67.40	68.80	71.40	70.00
995	73.70	73.90	71.70	68.00	65.70	63.90	61.70	62.60	63.00	65.30	66.90	65.50
996	63.10	62.00	61.10	58.90	64.40	60.40	64.30	65.70	68.10	68.70	68.90	66.00
997	65.40	66.50	68.70	68.70	68.10	64.00	63.30	66.10	67.60	69.10	70.50	68.10
998	66.90	62.20	64.40	66.60	66.10	64.80	60.10	58.80	58.90	62.90	65.50	60.80
						Cal	ves					
						Dollars l	Per Cwt					
988	94.20	97.00	98.30	93.50	94.00	88.70	89.30	88.90	94.20	92.70	91.50	93.40
989	92.80	97.10	94.60	90.90	87.40	89.70	93.00	99.70	96.10	93.50	91.00	94.30
990	96.40	100.00	100.00	102.00	103.00	102.00	106.00	101.00	101.00	98.70	100.00	102.00
991	104.00	107.00	113.00	112.00	114.00	109.00	106.00	100.00	102.00	99.20	98.00	94.70
992	95.40	101.00	105.00	99.10	97.10	9 9 .70	98.00	102.00	97.30	92.50	94.00	97.70
993	103.00	104.00	107.00	107.00	107.00	106.00	108.00	100.00	101.00	99.50	98.50	98.30
994	103.00	103.00	104.00	101.00	98.50	92.90	92.50	90.00	82.10	81.20	84.40	85.50
995	89.30	88.20	85.90	81.10	79.20	79.20	70.50	70.70	68.50	64.90	64.50	65.40
996	63.00	62.80	61.80	56.50	58.40	56.70	57.10	59.40	61.70	61.90	63.50	67.30
997	73.80	78.40	82.80	85.80	86.60	88.70	90.00	94.60	89.00	. 89.10	86.70	88.70
998	91.80	91.10	94.50	95.00	93.00	81.80	71.90	75.20	74.40	77.10	79.50	82.70

Prices Received: Monthly averages selected commodities, Colorado, 1988-98

1/ Includes springer heifers.

	111	ices Nece	Iveu. Ivi	Untilly a	verages s	elected	commoa	mes, Coi	orado, 1	900-90		
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
				N	Ailk Cows	for Dairy	Herd Repl	acement 1	/			
-						Dollars	Per Head				<u></u>	
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		
1991	1,180			1,150			1,170			1,150		
1992	1,100			1,150			1,200			1,150		
1993	1,170			1,200			1,230			1,200	***	
1994	1,240			1,230			1,210			1,190		
1995	1,100			1,100			1,160			1,170		
1997	1,170			1,170			1,180			1,200		
1998	1,130			1,200			1,200			1,300		
						Milk Solo	d to Plants					
						Dollars	Per Cwt					
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	13.50	12.10
1991	12.30	12.30	11.90	11.80	11.60	11.80	12.30	12.80	13.40	13.90	14.10	14.20
1992	13.90	13.30	12.90	12.90	13.00	13.50	13.70	13.90	14.10	13.90	13.20	13.00
1993	12.50	12.40	12.30	12.80	13.20	13.20	13.10	12.60	12.80	13.40	14.00	13.90
1994	14.40	14.10	14.10	14.20	12.60	12.20	12.00	12.70	12.10	13.00	13.70	13.00
1996	14.10	13.90	13.80	14.00	14.20	14.50	15.10	15.50	16.20	15.90	14.90	13.70
1997	12.80	12.90	13.10	12.80	12.40	11.90	11.80	12.50	13.00	13.90	14.40	14.40
1998	14.30	14.50	14.40	13.90	13.00	13.60	13.10	15.00	16.30	17.20	17.40	18.00
-						Sh	eep					
						Dollars	Per Cwt					
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
1991	24.70	23.50	20.30	24.30	20.30	24.90	25.20	23.50	21.80	18.70	19.50	22.30
1992	24.30	35 70	33.90	27.40	24.70	30.20	29.30	27.50	25.90	24.00	24.90	31 10
1994	30.20	34.40	34.50	29.60	26.90	31.00	27.60	28.80	27.30	25.20	26.20	35.40
1995	30.50	32.00	30.20	29.20	25.40	27.10	29.00	28.10	25.30	24.20	23.20	26.40
1996	35.60	33.80	33.50	29.80	26.30	25.90	33.70	30.60	31.60	29.40	31.60	28.70
1997	40.50	39.90	40.20	36.30	28.00	33.70	42.90	39.00	32.70	35.80	36.80	36.80
1998	41.50	40.60	39.90	33.90	30.00	31.20	31.70	29.30	25.70	24.60	26.70	31.40
						La	mbs					
1000	70 (0	76.00	74.00	((00	(7.20)	Dollars	Per Cwt	(0.40	(5.00)	((10	(7.(0)	((10
1988	79.60	/0.80	74.20	68.20	07.30	59.00 70.00	60.00	60.40 66.10	65.40	00.40 57.10	07.00 53.50	00.40 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
1991	48.60	45.30	50.90	54.40	57.80	57.40	60.70	56.80	55.70	55.30	53.30	53.30
1992	53.20	53.60	62.20	68.30	69.60	67.50	64.60	58.30	58.40	56.30	58.20	65.10
1993	66.10	72.20	78.60	70.60	60.40	51.30	51.10	55.70	65.40	65.10	67.10	68.40
1994	61.20	58.50	60.10	55.40	50.10	58.30	75.40	81.90	79.20	76.60	75.80	73.80
1995	70.30	70.30	75.10	75.30	79.50	88.10	89.90	90.30	86.60	81.80	79.80	78.50
1996	76.20	83.00	85.90	85.70	88.80	104.00	103.00	92.50	91.20	88.00	84.20	86.10
1997	91.20	101.00	98.20	94.60	90.00	82.80	/7.00	90.90	91.40	84.30	81.60	63.50
1990	81.00	70.10	09.90	02.80	.00	69.00	04.70	05.50	77.90	/1./0	02.00	05.50

Prices Received: Monthly averages selected commodities, Colorado, 1988-98

<u>1</u>/ Includes springer heifers.

SUMMARY - Colorado farmers and ranchers had 3 percent fewer cattle and calves on hand as of January 1, 1999 than they did one year earlier. The number of sheep and lambs was down 23 percent from the previous year. The December 1, 1998 inventory of all hogs and pigs increased 10 percent from a year earlier while the December 1, 1998 inventory of all chickens declined 3 percent. Colorado ranks 10th in the number of all cattle and calves, 4th in the number of all sheep and lambs, 14th in the number of all hogs and pigs, and 26th in the number of all chickens. The state also ranks as the 4th largest cattle feeder with marketings of more than two million head of fed cattle annually in each of the past 17 years. Colorado ranks 3rd in the number of market sheep and lambs. More than one million head of sheep and lambs have been slaughtered in the state in each of the last 19 years, making Colorado the Nation's largest producer of lamb.

The state's dairy cow numbers have remained fairly constant in recent years, with an annual average number of milk cows fluctuating between 77 and 84 thousand head. However, during the 1990's the number of operations has declined sharply while the average herd size has increased. Disease and other problems within the bee industry during the last three years have reduced the number of colonies and honey production to record or near record lows. The state's trout producers have sold more than \$2 million of fish of various sizes each year since estimates were begun in 1989.

The total inventory value of the cattle, sheep, hogs, and chickens on hand at the beginning of the year (using the January 1 and December 1 reference dates) was \$1.92 billion, down 13 percent from the comparable value of \$2.22 billion one year earlier. Inventories were smaller than a year earlier for each species except hogs. The value per head was also lower than the previous year for each species except chickens.

Pasture and range feed conditions were rated mostly good to fair throughout most of the 1998 season. Scattered showers and brief periods of cooler temperatures during the summer months were interspersed by periods of high temperatures which maintained forage growth at favorable levels. While there was some mix in the overall ratings during seasonal forage growth patterns, the majority of the condition ratings were in the good and fair categories. Late season moisture was favorable. A generally mild winter enabled full use of crop residues for grazing and helped maintain supplemental feed requirements at low levels.

CATTLE AND CALVES - The January 1, 1999 inventory of all cattle and calves declined 3 percent from a year earlier to 3.15 million head. The number of cattle and calves in

feedlots being fed for the slaughter market increased 2 percent to 1.16 million head and accounted for 36.8 percent of the state's total inventory. During 1998, there were 280 feedlots of all sizes in operation in Colorado. Those feedlots marketed 2.56 million head of fed cattle for the slaughter market compared with just under 2.60 million marketed from 295 feedlots one year earlier. The 21 largest feedlots marketed 72 percent of the annual total in 1998. The 19 largest lots marketed 71 percent of the 1997 annual total. Beef cows, at 827,000 head, declined 29,000 head from the previous year and the number of milk cows was down 1,000 head to 83,000 head on hand at the beginning of 1999.

There were 890,000 heifers 500 pounds and over on hand at the beginning of 1999, down 5 percent from the previous year. Of that total, 140,000 were being kept for beef cow replacement (down 7 percent) and 45,000 head were being kept for milk cow replacement (unchanged from 1998). The remaining 705,000 were other heifers (down 5 percent) of which 460,000 were being fed for the slaughter market in feedlots with a capacity of 1,000 head or larger. The January 1, 1999 inventory also included 1,040,000 head of steers weighing 500 pounds or more (down 2 percent) of which 675,000 were in feedlots with a capacity of 1,000 head or larger. Of the 1,160,000 head of cattle on feed, 1,140,000 head were in feedlots with a capacity of 1,000 head or larger. The number of bulls weighing 500 pounds or more was unchanged from the previous year at 50,000 head. The number of calves (steers, heifers, and bulls weighing under 500 pounds), at 260,000 head, was unchanged from the previous year. The 1998 calf crop in Colorado totaled 850,000 head, 2 percent smaller than the 1997 crop of 870,000 head.

Milk production during 1998, at 1.69 billion pounds, was up less than 1 percent from the previous year to a new record high. The annual average number of milk cows on hand declined 1,000 head from a year earlier to 83,000. However, producers obtained a new record high average production of 20,349 pounds per cow in 1998. This average was exceeded by only two other states.

The total inventory value of all cattle and calves in Colorado as of January 1, 1999 was estimated at \$1.83 billion, 12 percent below the \$2.08 billion inventory value for January 1, 1998 as a result of the smaller inventory number and lower prices. The average value of \$580 per head represented a decline of \$60 per head from the previous year. The number of operations with cattle at any time during 1998, at 15,500, was up 5 percent from the previous year. The number of beef cow operations was up 15 percent to 11,700 and the number of milk cow operations was unchanged at 900 for 1998. SHEEP AND LAMBS - The January 1, 1999 inventory of all sheep and lambs in Colorado was 440,000 head, down 23 percent from a year earlier. The total breeding sheep and lamb inventory as of January 1, 1999 was down 8 percent to 220,000 while the number of market sheep and lambs decreased 34 percent to 220,000 head. The number of ewes one year old and older, at 185,000, was down 7 percent from January 1, 1998. The number of rams one year old and older, at 6,000 head, was down 1,000 head from the previous year. The number of replacement lambs less than one year of age was down 12 percent from a year earlier at 29,000 head. The 1998 lamb crop of 220,000 head was down 2 percent from the number born in 1997.

On January 1, 1999, the 220,000 head of market sheep and lambs consisted of 1,000 sheep and 219,000 lambs. The 219,000 head of market lambs were estimated to be in the following weight groups: 7,000 head weighing less than 65 pounds, 5,000 head in the 65 through 84 pound category, 52,000 head in the 85 through 105 pound category, and 155,000 head weighing more than 105 pounds.

The January 1, 1999 inventory value of all sheep and lambs in Colorado was estimated at \$40.92 million, down 32 percent from a year earlier. Both the inventory and the average value per head were lower than the previous year. The number of operations in the state with sheep was 1,700, up from 1,600 operations a year earlier.

HOGS AND PIGS - The December 1, 1998 inventory of all hogs and pigs in Colorado was 870,000 head. This was a 10 percent increase over the December 1, 1997 level and a record high level for the state. Last year's previous record high of 790,000 head was the largest inventory since 1944 when 774,000 hogs and pigs were on hand. This is the thirteenth consecutive year in which inventory numbers have been unchanged or higher than the previous year. The December 1, 1986 inventory number of 190,000 head of all hogs and pigs was the lowest since 1965 when 169,000 head were on hand as of December 1 of that year.

The December 1, 1998 breeding hog inventory increased 13 percent from a year earlier to a record high 180,000 head. The market hog inventory of 690,000 head increased 10 percent, also a new record high for the state. The state's total pig crop for 1998 totaled 2.45 million head, up 44 percent from the 1997 pig crop of 1,700,000 head. The 286,000 sows farrowed during 1998 increased 43 percent from the 200,000 sows farrowed in the previous year. Producers averaged 8.6 pigs weaned per litter for the year compared with 8.5 pigs per litter in 1997.

The December 1, 1998 inventory value of all hogs and pigs was placed at \$42.6 million, down 39 percent from a year earlier. The average value, at \$49.00 per head, declined

\$39.00 per head from the previous year which more than offset the 10 percent increase in total inventory. The number of operations with hogs during 1998 declined 100 from a year earlier to 1,100. As with numerous other states, the number of hogs and pigs are being concentrated in fewer, but larger, operations.

CHICKENS AND EGGS - The all chicken inventory in Colorado as of December 1, 1998 totaled just under 4.6 million birds, down 3 percent from the 4.72 million on hand one year earlier. The total number of layers increased 2 percent to 3.74 million. Of that total, 2.25 million were one year old and older (up 18 percent) and 1.49 million were less than one year of age (down 16 percent). The total inventory also included 860,000 pullets 13 to 20 weeks of age, 550,000 pullets less than 13 weeks of age. The remaining inventory of 130,000 other chickens represented a decline of 26 percent from the previous year.

During the period from December 1, 1997 through November 30, 1998, the state's laying flocks produced 945 million eggs, up 10 percent from the previous year. The annual average number of layers increased 10 percent to 3.66 million and the average number of eggs per layer was 258, unchanged from the previous year.

The total inventory value of all chickens was \$11.03 million, up 6 percent from a year earlier as a higher average value per bird more than offset the 3 percent decline in the total inventory. The average value per bird was \$2.40, up 20 cents from the December 1, 1997 average.

BEES AND HONEY - Honey production in Colorado during 1998 totaled 1.94 million pounds, up 1 percent from 1997. The number of colonies declined 23 percent from 35,000 the previous year to 27,000. However, the yield per colony increased from 55 pounds in 1997 to 72 pounds in 1998. The 1998 honey crop was valued at \$1.36 million, down 14 percent from \$1.58 million for the 1997 crop. Producers received an average of 70 cents per pound for honey sold in 1998, down 12 cents from a year earlier. Producer stocks of honey on hand as of December 15, 1998 totaled just under 1.6 million pounds, 62 percent higher than the 982 thousand pounds on hand as of December 15, 1997.

TROUT - There were 30 operations in Colorado during 1998 which had trout sales of \$2.52 million compared with 32 operations with sales of \$2.72 million in 1997. Producers marketed 924 thousand pounds of foodsize, stocker, and fingerling fish during 1998 and received an average price of \$2.73 per pound. The value of foodsize sales declined 10 percent from the previous year to \$1.58 million while the value of stocker sales increased 4 percent to \$918 thousand. The value of sales for fingerlings, at \$20 thousand, was 76 percent below the previous year.

Class	1992	1993	1994	1995	1996	1997	1998	1999
				Thou	sands			
All cattle and calves	2,900	2,950	3,050	3,000	3,150	3,250	3,250	3,150
All cows & heifers that have calved Beef cows & heifers	880 803	880 800	910 830	900 817	930 848	930 846	940 856	910 827
Milk cows & heifers	77	80	80	83	82	84	84	83
Heifers 500 lbs & over	790	810	840	870	930	930	940	890
For milk cow replacement	35	40	40	45	45	45	45	45
Other heifers	595	610	640	670	725	725	745	705
Steers 500 lbs & over	930	960	970	940	980	1,070	1,060	1,040
Bulls 500 lbs & over	50	50	50	50	50	50	50	50
steers, neners, & buils under 500 los	230	230	200	240	200	270	200	200
Cattle on feed <u>1</u> /	930	1,000	1,010	990	1,070	1,130	1,140	1,160
Calf crop, annual	820	840	850	860	870	870	850	
All sheep and lambs	710	660	647	545	535	575	575	440
Breeding sheep & lambs	400	345	320	250	245	250	240	220
Ewes one year old & older	320	280	270	210	210	210	200	185
Replacement lambs	68	56	41	33	28	33	33	29
Market sheep & lambs	310	315	327	295	290	325	335	220
Sheep	4/	3	3	5	2	3	2	1
Lambs Under 65 Pounds	$\frac{4}{4}$	312	324	290 5	288	322 4	333	219
65-84 Pounds <u>2</u> /	$\frac{\pi}{4}$	38	23.5	35	40	43	2	5
85-105 Pounds	<u>4</u> /	186	134.5	115	100	100	115	52
Over 105 Pounds	<u>4</u> /	88	166.0	135	145	175	214	155
Lamb crop, annual	350	320	255	240	240	225	220	
All hogs & pigs <u>3</u> /	410	410	450	500	580	630	790	870
Breeding	45	55	75	110	120	135	160	180
Market	365	355	375	390	460	495	630	690
Under 60 lbs	125	122	145	170	205	220	300	335
60-119 lbs	85	83	85	80	85	95	115	120
120-179 lbs	80 75	78 72	75 70	70	85 85	90 90	105	120
Sows farrowed, annual	84	104	137	137	167	200	286	
Pig crop, annual	731	877	1,148	1,124	1,434	1,700	2,452	
All chickens <u>3</u> /	4,640	4,160	4,040	3,980	4,125	4,080	4,718	4,597
Total lavers	3.736	3.460	3.283	2.954	3.114	3.343	3,670	3.737
One year old & older	2,360	1,790	1,678	1,395	1,479	1,813	1,910	2,250
Less than one year	1,376	1,670	1,605	1,559	1,635	1,530	1,760	1,487
Total pullets	864	635	690	914	845	600	872	730
Pullets 13 to 20 weeks of age	384	250	353	385	380	320	229	180
Fullets less than 15 weeks of age	480	385	331	529	405	280	043	550
Other chickens	40	65	67	112	166	137	176	130

Livestock: Inventory by class, Colorado, January 1, 1992-99

 1/ Included in other classes.
 2/ Includes lambs weighing under 65 pounds for 1993 and 1994.
 3/ December 1 preceding year.

 4/ Not estimated.

Cattle and Calf Inventory Colorado, January 1, 1984-99



		Cows an that have	d heifers e calved	Heife	rs 500 lbs. and	over			Steers
Year	Total	Beef	Milk	Beef cow replace- ments	Milk cow replace- ments	Other	Steers 500 lbs. and over	Bulls 500 lbs. and over	heifers, and bulls under 500 lbs.
					1,000 Head				
1980	2,975	853	72	180	33	497	711	54	575
1981	3,125	1,009	71	169	31	516	644	60	625
1982	3,025	945	75	233	36	396	560	51	729
1983	3,040	925	75	150	30	610	655	60	535
1984	3,120	946	77	150	31	602	655	66	593
1985	3,000	825	75	140	30	680	670	60	520
1986	2,850	773	82	100	35	645	740	45	430
1987	2,600	752	78	109	26	530	665	45	395
1988	2,800	812	73	130	35	635	760	45	310
1989	2,800	785	75	140	30	605	810	45	310
1990	2,800	764	76	130	30	570	865	45	320
1991	2,750	773	77	140	30	590	812	48	280
1992	2,900	803	77	160	35	595	930	50	250
1993	2,950	800	80	160	40	610	960	50	250
1994	3,050	830	80	160	40	640	970	50	280
1995	3,000	817	83	155	45	670	940	50	240
1996	3,150	848	82	160	45	725	980	50	260
1997	3,250	846	84	160	45	725	1,070	50	270
1998	3,250	856	84	150	45	745	1,060	50	260
1999	3,150	827	83	140	45	705	1,040	50	260

Cattle and Calves: Inventory by class, Colorado, January 1, 1980-99

Sheep and Lamb Inventory Colorado, January 1, 1984-99



			Stock sheep					
	All	Sheep and	Total	Lan	nbs	One	year and older	
Year	sheep and lambs	lambs on feed	Total	Ewes	Wethers and rams	Ewes	Wethers and rams	
				1,000 Head				
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993	870 810 710 750 690 675 600 690 755 825 840 710 710 660 647	360 300 230 300 260 300 240 310 360 380 385 250 310 315 327	510 510 480 450 430 375 360 380 395 445 455 460 400 345 320	66 86 58 55 45 45 55 53 64 55 71 56 45 34	6 11 14 15 15 10 10 10 15 11 13 12 13 12 13 12 11 7	425 400 394 365 350 310 295 300 320 355 375 363 320 280 270	13 13 14 12 10 10 10 10 10 10 10 10 11 13 13 13 13 13 12 9 9	
	All	Market	520	Bre	eding sheep an	d lambs		
Year	sheep and lambs	sheep and lambs	Total	Replacem lambs	nent	Ewes 1 year old & older	Rams 1 year old & older	
1993 1994 1995 1996 1997 1998 1999	660 647 545 535 575 575 440	315 327 295 290 325 335 220	345 320 250 245 250 240 220	1,000 Head 56 41 33 28 33 33 33 29		280 270 210 210 210 210 200 185	9 9 7 7 7 7 6	

Sheep and Lambs: Inventory by class, Colorado, January 1, 1980-99 1/

1/ Change in class terminology beginning in 1995 with 1993 and 1994 shown for comparability.

Hog and Pig Inventory Colorado, December 1, 1983-98



			Market						
Year	Total	Breeding	Under 60 pounds	60-119 pounds	120-179 pounds	180 lbs & over			
			1,000	Head					
1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1994	350 340 325 290 280 320 330 430 310 330 290 260 210 225 190 205 220 230 300 410 410 410 450 500	46 44 39 36 36 45 50 60 40 45 40 30 20 28 26 34 32 35 42 45 55 75 110	$ \begin{array}{r} 108 \\ 110 \\ 102 \\ 89 \\ 95 \\ 115 \\ 116 \\ 130 \\ 100 \\ 95 \\ 95 \\ 75 \\ 60 \\ 75 \\ 57 \\ 64 \\ 70 \\ 70 \\ 70 \\ 100 \\ 125 \\ 122 \\ 145 \\ 170 \\ \end{array} $	78 77 78 66 62 65 66 94 60 75 70 55 50 45 47 37 48 50 63 85 83 85 80	$\begin{array}{c} 63\\ 62\\ 60\\ 53\\ 50\\ 52\\ 60\\ 91\\ 70\\ 80\\ 50\\ 60\\ 40\\ 47\\ 34\\ 38\\ 42\\ 40\\ 52\\ 80\\ 78\\ 75\\ 70\\ \end{array}$	55 47 46 46 37 43 38 55 40 35 35 40 40 30 26 32 28 35 43 75 72 70 70 70			
1995 1996 1997 1998	580 630 790 870	120 135 160 180	205 220 300 335	85 95 115 120	85 90 105 120	85 90 110 115			

Hogs and Pigs: Inventory by class, Colorado, December 1, 1972-98

					/					
	December - May		у	J	une - Novembe	r	Annual			
Year	Sows	Pigs Per	Pigs	Sows	Pigs Per	Pigs	Sows	Pigs Per	Pigs	
	farrowed	litter	saved	farrowed	litter	saved	farrowed	litter	saved	
	1,000	Number	1,000	1,000 Head	Number	1,000	1,000	Number	1,000 Hond	
	rieau	number	IIcau	IIcau	rumper	ncau	ficau	rumoer	meau	
1991	41	8.4	343	42	8.1	342	83	8.3	685	
1992	42	8.7	367	42	8.7	364	84	8.7	731	
1993	52	8.4	438	52	8.4	439	104	8.4	877	
1994	65	8.4	547	72	8.3	601	137	8.4	1,148	
1995	<u>1</u> /	1/	1/	<u>1</u> /	<u>1</u> /	<u>1</u> /	138	8.1	1,123	
1996	<u>1</u> /	1/	1/	<u>1</u> /	1/	<u>1</u> /	167	8.6	1,434	
1997	1/	1/	1/	1/	1/	1/	200	8.5	1,700	
1998	1/	1/	1/	1/	1/	1/	286	8.6	2,452	

Hogs: Number of sows farrowed, pigs per litter, and pig crop, Colorado, 1991-98

1/ Discontinued.

Wool: Production and value, Colorado, 1990-98 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
1990	770	7.4	5,698	.71	4,046
1991	769	7.4	5,724	.52	2,976
1992	758	7.9	5,954	.74	4,406
1993	725	7.2	5,199	.50	2,600
1994	635	7.3	4,607	.72	3,317
1995	540	7.3	3,960	1.09	4,316
1996	605	7.1	4,318	.73	3,152
1997	600	6.6	3,936	.89	3,503
1998	490	6.9	3.364	.53	1.783

 $\underline{1}$ Includes wool shorn from stock sheep and from sheep and lambs on feed.

Feedlots: Number by size of feedlot, Colorado, 1988-98

E. U.	Number of Lots													
capacity	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998			
Under 1,000 head	133	130	119	119	120	118	118	123	119	121	114			
1,000-1,999	51	49	54	60	61	62	61	51	48	54	47			
2,000-3,999	48	54	50	49	48	51	47	45	44	46	44			
4,000-7,999	29	29	27	32	31	28	27	29	32	32	36			
8,000-15,999	16	14	18	19	17	18	19	23	24	23	18			
16,000-31,999	9	10	9	9	10	11	11	11	10	11	12			
32,000 and over	9	9	8	7	8	7	7	8	8	8	9			
Total all feedlots	295	295	285	295	295	295	290	290	285	295	280			

Fed Cattle Marketings: Number marketed by size of feedlot, Colorado, 1988-98

Feedlat	Marketed for Slaughter													
capacity	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998			
						1,000 Hea	d							
Under 1,000 head	45	35	40	40	35	40	44	30	45	40	40			
1,000-1,999	95	75	70	70	75	80	71	60	55	60	55			
2,000-3,999	185	205	180	130	130	140	130	125	85	100	90			
4,000-7,999	265	250	250	240	240	280	250	200	175	210	215			
8,000-15,999	260	210	290	360	240	260	270	320	360	345	310			
16,000-31,999	325	425	325	290	400	400	475	510	440	480	430			
32,000 and over	1,210	1,100	1,030	1,040	1,090	1,140	1,130	1,210	1,160	1,360	1,420			
Total all feedlots	2,385	2,300	2,185	2,170	2,210	2,340	2,370	2,464	2,320	2,595	2,560			

Cattle and Calves: Production, disposition and value, Colorado, 1988-98

Year Calf Ir		Inchin	Marketings <u>1</u> /		Form	Deethe	Deschustion	Markatinga	Cash	Value of
I Cai	crop	ments	Cattle	Calves	slaughter	Deaths	Production	<u>2</u> /	receipts	consumption
	1,000) Head	1,000	Head	1,000 I	Head	1,000	Pounds	1,000	Dollars
1988	810	2,300	2,870	115	5	120	1,627,700	3,064,750	2,179,576	8,562
1989	810	2,050	2,630	112	3	115	1,662,840	2,948,980	2,166,046	7,225
1990	820	2,180	2,835	107	3	105	1,613,490	3,002,730	2,363,981	6,805
1991	820	2,000	2,480	87	3	100	1,712,750	2,826,010	2,135,938	5,788
1992	820	2,145	2,710	97	3	105	1,895,115	3,143,945	2,336,630	4,920
1993	840	2,195	2,730	102	3	100	1,918,910	3,167,540	2,440,570	5,159
1994	850	2,025	2,715	107	3	100	1,912,177	3,203,770	2,224,165	6,285
1995	860	2,245	2,745	103	2	105	1,882,019	3,211,360	2,081,211	4,858
1996	870	2,290	2,835	108	2	115	1,956,336	3,354,300	2,072,482	4,534
1997	870	2,190	2,818	120	2	120	1,871,820	3,279,500	2,148,314	6,833
1998	850	2,200	2,928	110	2	110	1.982.124	3,489,600	2.149.157	6.451

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

 $\frac{1}{2}$ / Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

Sheep and Lambs: Production, disposition and value, Colorado, 1988-98

Year	Loweb	Inship-	Marketings <u>1</u> /		E	Deaths	Dueduction	Markatinaa	Cert	Value of
rear	crop	ments	Sheep	Lambs	slaughter	Deaths	Production	Marketings <u>2</u> /	receipts	consumption
	1,000	Head	1,000	Head	1,000 I	Head	1,000	Pounds	1,000	Dollars
1988	360	800	69	972	4	45	77,994	126,180	82,260	377
1989	400	1,045	70	1,298	2	60	93,637	165,362	101,302	268
1990	425	770	91	1,157	2	75	83,044	151,340	78,469	244
1991	385	940	143	1,110	2	70	84,353	152,980	76,283	242
1992	350	980	130	1,176	3	71	83,009	159,201	91,097	269
1993	320	995	76	1,190	2	62	81,801	153,320	94,380	220
1994	255	973	108	1,149	3	70	71,356	152,340	94,613	306
1995	240	957	68	1,072	2	65	68,453	137,700	104,808	265
1996	240	968	48	1,063	2	55	69,299	133,920	114,627	295
1997	225	980	61	1,088	1	55	95,737	165,545	144,401	204
1998	220	780	70	1,014	1	50	86,924	156,130	108,886	82

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

 $\frac{2}{2}$ Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

Hogs and Pigs: Production, dispos	tion and value, Colorado, 1988-98
-----------------------------------	-----------------------------------

	Pig cro	op (pigs s	aved)			_				<u> </u>	Value of	
Year	Spring	Fall	Total	Inship- ments	Market- ings <u>1</u> /	Farm slaughter	Deaths	Production	Market- ings <u>2</u> /	Cash receipts	home consumption	
	1,	000 Hea	d	1,000 Head		1,000 H	lead	1,000 P	ounds	1,000 Dollars		
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	
1991	343	342	685	20	559	1	35	142,665	129,980	67,741	750	
1992	367	364	731	29	724	1	35	168,135	168,435	73,999	516	
1993	438	439	877	23	821	1	38	182,974	183,057	86,054	290	
1994	547	601	1,148	30	1,087	1	40	233,096	226,190	94,129	619	
1995	<u>3</u> /	<u>3</u> /	1,123	40	1,012	1	70	237,273	232,520	106,100	715	
1996	<u>3</u> /	<u>3</u> /	1,434	50	1,378	1	55	305,920	308,240	177,753	788	
1997	<u>3</u> /	<u>3</u> /	1,700	80	1,544	1	75	347,895	345,910	201,696	1,108	
1998	<u>3</u> /	<u>3/</u>	2,452	70	2,351	1	90	470,637	473,760	186,661	731	

 $\underline{1}$ / Includes custom slaughter for use on farms where produced, but excludes interfarm sales within the state.

 $\frac{2}{2}$ Liveweight. Excludes custom slaughter for use on farms where produced and interfarm sales within the state.

 $\overline{3}$ / Discontinued.

Livestock slaught	er by species,	Colorado,	1991-98 <u>1</u> /
-------------------	----------------	-----------	--------------------

		Cattle		Calves				
Year	Number slaughtered	Total liveweight	Average liveweight	Number slaughtered	Total liveweight	Average liveweight		
	Head	1,000 Pounds	Pounds	Head	1,000 Pounds	Pounds		
1991 1992 1993 1994 1995 1996 1997 1998	2,235,600 2,451,500 2,441,000 2,569,200 2,571,100 2,594,700 2,417,200	2,634,504 2,938,124 2,915,435 2,963,829 3,099,454 3,106,488 3,089,754 2,940,725	1,178 1,199 1,194 1,225 1,206 1,208 1,191 1,217		2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/	21 21 21 21 21 21 21 21 21		
		Sheep and Lambs			Hogs			
1991 1992 1993 1994 1995 1996 1998	$1,559,000 \\1,623,700 \\1,564,100 \\1,566,500 \\1,548,300 \\1,546,900 \\1,438,300 \\1,288,900$	219,110 224,639 219,249 210,351 206,624 208,947 206,252 185,907	141 138 140 134 133 135 143 144	$\begin{array}{r} 37,900 \\ 48,500 \\ 51,600 \\ 54,000 \\ 53,000 \\ 48,400 \\ 42,900 \\ 41,200 \end{array}$	8,939 11,405 12,594 12,954 13,151 10,895 9,091 8,929	236 235 244 240 248 225 212 217		

 $\frac{1}{2}$ Excludes farm slaughter. $\frac{1}{2}$ Less than 50 head.

Livestock slaughter by species, by month, Colorado, 1991-98 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
						1,000	Head					
			-			Cat	tle					
1991	167.2	163.0	162.0	174.3	202.6	208.5	216.4	210.5	188.2	200.6	165.1	177.1
1992 1993	215.0 202.8	195.1 190.1	204.0 213.7	195.1	202.2 188.1	225.3 235.3	221.5 220.5	205.8 212.5	213.1 210.8	207.0	177.9	189.5 196.5
1994	213.3	186.1	201.8	189.4	191.4	216.5	199.0	209.2	205.8	193.7	198.0	215.5
1995	208.9 224.4	179.0	210.1 201.7	177.3 219.6	221.0	240.5	224.4 220.6	239.0	190.3	223.1 209.9	212.0 199.2	205.9
1997	251.0	205.6	191.4	217.0	241.5	223.0	241.6	214.4	215.6	220.3	179.0	194.3
1998	214.9	185.0	188.6	191.3	192.6	216.8	210.3	212.2	209.0	203.6	189.9	202.9
						Sheep an	d Lambs					
1001		10/0	1.10.4	100.1	105.0	111.0	120.2	105.0	120.2	141 7	106.1	120.1
1991	141.5	124.8	140.4	120.1	127.3	111.0	132.3	125.2	130.3	141.7	126.1	138.1
1993	132.1	123.1	142.9	141.2	125.3	148.3	115.4	116.9	124.8	120.9	130.7	142.5
1994	124.1	144.8	1/4./ 156.1	132.3	154.4	128.1 124.1	109.2	124.7	121.1	120.5	125.5	142.6
1996	136.8	138.1	157.1	140.5	119.2	103.3	120.4	112.8	114.8	138.9	129.3	135.7
1997	115.7	131.8	161.4	126.5	127.3	112.7	89.0	96.4 79.3	118.4	114.7 109.4	103.0	133.6
						Ho	25					
1991	2.7	2.5	2.7	2.7	2.6	2.5	3.0	4.7	3.7	3.5	3.4	3.9
1992	3.9	3.3	3.5	3.7	3.3	3.5	3.7	5.6	5.0	4.6	4.0	4.4
1995	3.8 4.2	3.5 3.6	4.2	3.9	4.0	4.0	4.4	6.6	5.1	4.4	4.9	4.8
1995	4.8	3.9	4.0	3.7	4.1	4.2	4.1	6.4	4.9	4.7	4.3	4.1
1990	4.3	3.1	3.0 3.0	3.2	3.1	3.3	4.5	5.2	4.5	3.8	3.1	3.7
1998	3.3	3.4	3.5	3.5	3.2	3.7	3.8	5.8	4.4	2.6	2.1	1.9

1/ Excludes farm slaughter.

Cattle and Calves: Number on feed, placements, marketings and other disappearance, by month, Colorado, 1989-1999 <u>1</u>/<u>2</u>/

Month 1989 1990 1991 1992 1994 1995 1996 1997 1998 1999 January I. 1885 900 980 980 980 980 980 1992 120 160 110 1,140 Placed on feed during January I. 230 220 215 194 219 220 226 225 310 230 220 Other dissperance during January I. 230 220 215 194 219 220 226 225 310 230 130												
January 1,000 Head January 1885 900 980 905 970 981 966 1,050 1,110 1,120 1,140 Placed on feed during January 180 210 160 158 184 169 218 180 220 220 221 210 220 220 221 220 220 221 220 220 221 220 220 225 231 200 100 Placed on feed during Pervary 2230 170 180 207 154 164 239 213 200 205 225 243 248 100 100 10 5 5 5 10 10 10 10 10 5 5 5 10 <	Month	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						1	,000 Hea	d				
Number on feed, January 1. 885 900 980 970 981 966 120 1,110 1,120 1,140 Drack of ref during January 10 10 10 10 10 10 5 10 20 220 226 225 310 230 220 Other disspberance during January 10 10 10 10 10 12 12 240 225 310 230 230 230 Other disspberance during February 230 170 180 220 154 164 239 215 260 203 233 Marche of large February 235 10 10 5 5 5 5 10 <t< td=""><td>January</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	January											
Placed on feed during January 180 210 160 158 184 169 218 180 260 230 260 Other disappearance during January 10	Number on feed, January 1	885	900	980	905	970	981	966	1,050	1,110	1,120	1,140
Marketed during January 230 220 215 194 219 220 226 225 310 230 250 Orber disspearance during January 10 10 10 10 10 10 5 10 20 10 Placed on feed during February 220 170 180 2207 154 164 239 210 205 235 Marched during February 225 210 100 204 199 186 221 2210 200 100 1,140 Number on feed, March 1 315 250 210 210 210 210 100 1,130 Placed on feed during April 205 175 180 199 200 130 1,600 1,000 1,120 Placed on feed during April 915 900 930 885 895 922 986 1,030 1,600 1,000 1,200 Placed on feed during April 10 15 10	Placed on feed during January	180	210	160	158	184	169	218	180	260	230	260
	Marketed during January	230	220	215	194	219	220	226	225	310	230	250
Number on feed, February 225 880 915 859 925 923 944 1200 1,100	Other disappearance during January February	10	10	10	10	10	5	10	5	10	20	10
Placed on feed during February 220 170 180 207 154 164 239 215 260 205 225 220 109 204 199 186 221 220 245 265 240 Other disappearance during February 15 10 10 10 5 5 5 5 10 10 Placed on feed during March 315 220 222 224 244 244 240 210 190 240 Other disappearance during March 10 5 15 10 10 5 15 10 10 5 15 10 10 5 15 10 10 5 16 100 10 5 15 10 10 10 15 10 10 15 10 10 10 15 10 10 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	Number on feed, February 1	825	880	915	859	925	925	948	1,000	1,050	1,100	1,140
Marketed during February 225 210 190 204 199 186 221 220 243 265 240 Marketh 815 830 895 852 875 898 961 990 1,060 1,030 1,130 Placed on feed (Juring March 215 210 220 224 214 244 240 210 190 240 Marketed during March 205 175 180 186 199 200 213 195 105 10 10 5 15 10 100 100 15 10 11 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	Placed on feed during February	230	170	180	207	154	164	239	215	260	205	235
	Marketed during February	225	210	190	204	199	186	221	220	245	265	240
Number on feed, March 1	March	15	10	10	10	2	2000	5	2	J 0 (0	10	5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Number on feed, March I	815	830	895	852	8/5	898	961	990	1,060	1,030	1,130
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Marketed during March	205	230	180	186	100	200	240	105	165	210	240
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Other disappearance during March	10	5	15	10	199	10	10	195	105	10	10
	April	015	000	030	225	805	022	086	1 030	1 000	1 000	1 120
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Placed on feed during April	1915	155	175	00J 164	130	164	178	130	1,090	1,000	200
Other disappearance during April 15 10 10 15 10 5 5 15 20 10 May Number on feed, May 1 925 885 915 863 860 916 998 1,000 1,050 970 1,120 Placed on feed during May 185 150 190 179 194 139 194 85 185 195 Marketed during May 15 10 10 5 10 10 10 15 10 Number on feed, June I 915 855 925 880 875 891 1,002 890 1,010 980 Marketed during June 110 110 15 10 5 5 5 10 Muber on feed, July 1 835 700 860 815 816 856 916 750 920 880 Marketed during July 200 <td>Marketed during April</td> <td>165</td> <td>160</td> <td>180</td> <td>171</td> <td>164</td> <td>165</td> <td>161</td> <td>155</td> <td>190</td> <td>170</td> <td>190</td>	Marketed during April	165	160	180	171	164	165	161	155	190	170	190
Number on feed, May 1 925 885 915 863 860 916 998 1,000 1,050 970 1,120 Placed on feed during May 185 150 190 179 194 139 194 85 185 195 Marketed during May 15 10 10 10 10 10 10 10 10 10 10 10 Number on feed, June 1 915 855 925 880 875 891 1,002 890 1,010 980 Marketed during June 110 110 115 109 154 139 149 80 125 140 Marketed during June 100 10 10 5 5 5 5 10 10 10 10 10 200 141 179 209 169 145 225 10 10 10 10 10 10 10 10 10 110 110 110 110<	Other disappearance during April	15	10	10	15	10	5	5	5	15	20	10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Number on feed. May 1	925	885	915	863	860	916	998	1.000	1.050	970	1.120
Marketed during May180170177157169154180185210175Other disappearance during May151010101510Number on feed, June 19158559258808758911,0028901,010980Placed on feed during June11011011510915413914980125140Marketed during June180185170169203169230215210230Other disappearance during June1010105555510Placed on feed during July200210180199213212223230225260Marketed during July200210180199213212223230225260August55555555555August165200135154208224213275225220Mumber on feed, August2551051055555555555555555555555555555555 </td <td>Placed on feed during May</td> <td>185</td> <td>150</td> <td>190</td> <td>179</td> <td>194</td> <td>139</td> <td>194</td> <td>85</td> <td>185</td> <td>195</td> <td></td>	Placed on feed during May	185	150	190	179	194	139	194	85	185	195	
	Marketed during May	180	170	170	157	169	154	180	185	210	175	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Other disappearance during May	15	10	10	5	10	10	10	10	15	10	
Placed on feed during June	Number on feed, June 1	915	855	925	880	875	891	1,002	890	1,010	980	
Marketed during June180185170169203169230215210230July101010510555510JulyNumber on feed, July 1835770860815816856916750920880Placed on feed during July100120125114179209129123212223230250250Marketed during July55555555555Number on feed, August 1730675800725777848857660900840Placed on feed during August235195195189208229239220210215Number on feed, September 1655675730685767868826710920840Number on feed, September 1850240352319311312405320370Number on feed, October 17507907708338829559349601,0501,000Number on feed, October 110155	Placed on feed during June	110	110	115	109	154	139	149	80	125	140	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Marketed during June	180	185	170	169	203	169	230	215	210	230	
Number on feed, July 1	Other disappearance during June July	10	10	10	5	10	5	5	5	5	10	
Placed on feed during July100120123112114179209169143233224213213213213214213213213213213214213213213214213223220210215Mumber on feed, August 1235195195189208229239220210215Marketed during August551051055555Number on feed, September 1655675730685767868826710920840Number on feed, October 118018519019919919919199191901352555555555555555555555555555555555555<	Number on feed, July 1	835	770	860	815	816	856	916	750	920	880	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Placed on feed during July	100	120	125	114	212	209	109	145	230	225	
August 730 675 800 725 777 848 857 660 900 840 Placed on feed during August	Other disappearance during July	200	210	100	199	215	212	225	230	230	200	
Number on feed, August 1 730 675 800 725 777 848 857 660 900 840 Placed on feed during August . 165 200 135 154 208 254 213 275 235 220 Other disappearance during August . 5 5 10 5	August	500	,		505		0.40	057	(())	000	040	
Placed on feed during August163200153154206254213273253220Marketed during August5195195189208229239220210215September55105105555Number on feed, September 1655675730685767868826710920840Placed on feed during September280305240352319311312405320370Other disappearance during September280305240352319919199150185205Other disappearance during Cotober180185190199199219199150185205Number on feed, October 17507907708338829559349601,0501,000November190180185184189203184150200170Number on feed, November 19009509059459611,0191,0181,0801,1401,170Number on feed, November 1220225195184219178212195210210Marketed during November .150150165159179188194160	Number on feed, August 1	165	675	800	125	200	848	857	660 275	900	840	
Marketed during August233193193193189208229239230210213113Other disappearance during August55105105555555Number on feed, September 1280305240352319311312405320370Marketed during September .280305240352319311312405320370Marketed during September .180185190199199219199150185205Other disappearance during September .551055	Placed on feed during August	105	200	105	104	208	234	215	275	233	220	
September 10	Other disappearance during August	255	195	195	109	208	229 5	239	220	210	215	
Number on feed, September 1655675730685767808620710920640770Placed on feed during September .280305240352319311312405320370Marketed during September .180185190199199219199150185205Other disappearance during September .55105555555October7507907708338829559349601,0501,000Placed on feed during October .345350330301273272273275300345Marketed during October .190180185184189203184150200170Other disappearance during October .510105555105November9009509059459611,0191,0181,0801,1401,170Number on feed, November 19009509059459611,0191,0181,0801,1401,170Number on feed, November 1150165159179188194160185180Marketed during November .101510555510	September	, (EE	(75	720	(05	767	0.00	006	710	020	° 40	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Number on feed, September 1	200	205	730	252	/0/	808 211	820	/10	920	370	
Number on feed, October7507907708338829559349601,0501,000Placed on feed during October345350330301273272273275300345Marketed during October	Marketed during September	180	185	190	199	100	219	199	150	185	205	
Number on feed, October 1 750 790 770 833 882 955 934 960 1,050 1,000 Placed on feed during October 345 350 330 301 273 272 273 275 300 345 Marketed during October 190 180 185 184 189 203 184 150 200 170 Other disappearance during October 5 10 10 5 5 5 5 5 10 5 Number on feed, November 1 900 950 905 945 961 1,019 1,018 1,080 1,140 1,170 Number on feed, November 1 220 225 195 184 219 178 212 195 210 210 Marketed during November 10 150 165 159 179 188 194 160 185 180 Other disappearance during November 10 15 10 5	Other disappearance during September	5	5	10	5	5	5	5	5	5	5	
Placed on feed during October 345 350 330 301 273 272 273 275 300 345 Marketed during October 190 180 185 184 189 203 184 150 200 170 Other disappearance during October 5 10 10 5 5 5 5 5 10 5 November 900 950 905 945 961 1,019 1,018 1,080 1,140 1,170 Placed on feed during November 220 225 195 184 219 178 212 195 210 210 Marketed during November 150 150 165 159 179 188 194 160 185 180 Marketed during November 10 15 10 5 10 5 5 5 10 Other disappearance during November 10 15 10 5 10 15 10	Number on feed. October 1	750	790	770	833	882	955	934	960	1.050	1.000	
Marketed during October 190 180 185 184 189 203 184 150 200 170 Other disappearance during October 5 10 10 5 5 5 5 5 10 5 November 5 10 10 5 5 5 5 5 5 5	Placed on feed during October	345	350	330	301	273	272	273	275	300	345	
Other disappearance during October 5 10 10 5 5 5 5 5 10 5	Marketed during October	190	180	185	184	189	203	184	150	200	170	
Number on feed, November 1 900 950 905 945 961 1,019 1,018 1,080 1,140 1,170 Placed on feed during November 220 225 195 184 219 178 212 195 210 210 Marketed during November 150 150 165 159 179 188 194 160 185 180 Other disappearance during November 10 15 10 5 10 5 5 5 5 10 Number on feed, December 1 960 1,010 925 965 991 1,004 1,031 1,110 1,160 1,190 Placed on feed during December 110 125 160 174 159 153 179 175 165 170 Marketed during December 160 145 150 164 159 181 155 170 195 210 Other disappearance during December 10 10 5	Other disappearance during October November	5	10	10	5	5	5	5	5	10	5	
Placed on feed during November220225195184219178212195210210Marketed during November150150165159179188194160185180Other disappearance during November101510510555510December1015109259659911,0041,0311,1101,1601,190Placed on feed during December110125160174159153179175165170Marketed during December160145150164159181155170195210Other disappearance during December1010551010551010	Number on feed, November 1	900	950	905	945	961	1,019	1,018	1,080	1,140	1,170	
Marketed during November 150 150 165 159 179 188 194 160 185 180 Other disappearance during November 10 15 10 5 10 5 5 5 5 10 December 10 15 10 925 965 991 1,004 1,031 1,110 1,160 1,190 Placed on feed during December 110 125 160 174 159 153 179 175 165 170 Marketed during December 160 145 150 164 159 181 155 170 195 210 Other disappearance during December 10 10 5 5 10 10 5 5 10 10	Placed on feed during November	220	225	195	184	219	178	212	195	210	210	
Other disappearance during November 10 15 10 5 10 5 5 5 5 10 December Number on feed, December 1 960 1,010 925 965 991 1,004 1,031 1,110 1,160 1,190 Placed on feed during December 110 125 160 174 159 153 179 175 165 170 Marketed during December 160 145 150 164 159 181 155 170 195 210 Other disappearance during December 10 10 5 5 10 10 5 5 10 10	Marketed during November	150	150	165	159	179	188	194	160	185	180	
December 960 1,010 925 965 991 1,004 1,031 1,110 1,160 1,190 Placed on feed during December 110 125 160 174 159 153 179 175 165 170 Marketed during December 160 145 150 164 159 181 155 170 195 210 Other disappearance during December 10 10 5 5 10 10 5 5 10 10	Other disappearance during November	10	15	10	5	10	5	5	5	5	10	
Number on feed, December 1 960 1,010 925 965 991 1,004 1,031 1,110 1,160 1,190 Placed on feed during December 110 125 160 174 159 153 179 175 165 170 Marketed during December 160 145 150 164 159 181 155 170 195 210 Other disappearance during December 10 10 5 5 10 10 5 5 10 10	December		1.010	0.00	0.15	001	1.001	1.001	1	1 1 60	1.100	
Praced on reced during December 110 125 160 174 159 153 179 175 165 170 Marketed during December 160 145 150 164 159 181 155 170 195 210 Other disappearance during December 10 10 5 5 10 10 5 5 10 10	Number on feed, December 1	960	1,010	925	965	991	1,004	1,031	1,110	1,160	1,190	
Other disappearance during December $10 10 5 5 10 10 5 5 10 10$	Marketed during December	110	125	160	1/4	159	153	1/9	175	105	210	
	Other disappearance during December	10	145	5	5	10	10	5	5	10	10	

 $\frac{1}{2}$ "Other disappearance" includes death losses, movement from feedlots to pastures, and shipments to other feedlots for further feeding. $\frac{1}{2}$ Beginning January 1992, data is only for feedlots with a capacity of 1,000 head or more.

Cattle: Null	ider Fla		reed by	weight	Group,	Dy WIOII	<u>111, 1,000</u>	J+ reeui	013, C01	orauo, 1	<u>990-99 I</u>	/
Year and Weight Group	Jan.	Feb.	Mar.	Apr.	Мау	Jun.	Jul.	Aug.	Sep.	Oct	Nov.	Dec.
1996						1,000	Head					
< 600 Pounds	15	10	10	12	6	8	15	11	18	53	50	32
600-699 Pounds	50	38	40	23	18	10	30	25	34	50	52	58
700-799 Pounds	75	105	110	55	30	31	55	121	160	99	60	50
800 Pounds Plus	40	62	80	40	31	31	45	118	193	73	33	35
Total	180	215	240	130	85	80	145	275	405	275	195	175
1997						1,000	Head					
< 600 Pounds	33	23	24	16	13	22	14	24	15	63	54	32
600-699 Pounds	65	52	32	33	28	27	49	27	27	58	63	60
700-799 Pounds	98	118	95	57	74	38	81	75	124	89	56	51
800 Pounds Plus	64	67	59	59	70	38	91	109	154	90	37	22
Total	260	260	210	165	185	125	235	235	320	300	210	165
1998						1,000	Head					
< 600 Pounds	21	19	16	30	12	16	17	20	20	58	83	45
600-699 Pounds	76	54	30	40	31	35	56	39	40	62	57	59
700-799 Pounds	96	76	80	47	77	50	96	78	135	83	41	45
800 Pounds Plus	37	56	64	43	75	39	56	83	175	142	29	21
Total	230	205	190	160	195	140	225	220	370	345	210	170
1999						1,000	Head					
< 600 Pounds	34	37	50	27								
600-699 Pounds	93	52	55	45								
700-799 Pounds	83	85	82	87								
800 Pounds Plus	50	61	53	41								
Total	260	235	240	200								

Cattle: Number Placed On Feed By Weight Group, By Month, 1,000+ Feedlots, Colorado, 1996-99 1/

1/ Data series began 1996.

Cattle and Calves: Number on feed by class, by quarter, 1,000 + capacity feedlots, Colorado, 1995-99

		Number	Cla	sses of cattle on f	eed	Placements	Marketings	Other dis- appearance	
	Year//Month	on feed	Steers and steer calves	Heifers and heifer calves	Cows and others	during past 3 months	during past 3 months	during past 3 months	
				า	housand Head				
1995	January 1	966	533	423	10	603	572	20	
	April 1	986	622	349	15	705	660	25	
	July 1	916	538	368	10	521	571	20	
	October 1	934	561	358	15	694	661	15	
1996	January 1	1,050	580	460	10	664	533	15	
	April 1	1,030	620	400	10	635	640	15	
	July 1	750	450	295	5	295	555	20	
	October 1	960	570	380	10	825	600	15	
1997	January 1	1,110	605	490	15	645	480	15	
	April 1	1,090	645	435	10	730	720	30	
	July 1	920	495	415	10	475	610	35	
	October 1	1,050	585	460	5	790	645	15	
1998	January 1	1,120	635	480	5	675	580	25	
	April 1	1,000	580	415	5	625	705	40	
	July 1	880	475	400	5	495	575	40	
	October 1	1,000	600	395	5	815	680	15	
1999	January 1	1,140	675	460	5	725	560	25	
	April 1	1,120	695	420	5	735	730	25	

	111111 001101	and min production	y quarter, colorado	1707 70 1							
Year	January-March	April-June	July-September	October-December	Annual						
	Number of milk cows										
	Number	Number	Number	Number	Number						
1989	75,000	75,000	76,000	77,000	76,000						
1990	77,000	77,000	77,000	77,000	77,000						
1991	79,000	80,000	77,000	20,000	//,000						
1993	80,000	80,000	81,000	80,000	80,000						
1994	80,000	81.000	82.000	82.000	81,000						
1995	83.000	83.000	82.000	82,000	83,000						
1996	83,000	84,000	83,000	84,000	84,000						
1997	85,000	85,000	84,000	83,000	84,000						
1998	83,000	83,000	83,000	83,000	83,000						
	Milk production per cow <u>1</u> /										
	Pounds	Pounds	Pounds	Pounds	Pounds						
1989	4,040	4,360	4,300	4,160	16,803						
1990	4,180	4,360	4,350	4,290	17,182						
1991	4,220	4,420	4,320	4,310	17,338						
1992	4,330	4,500	4,520	4,460	17,700						
1993	4,430	4,640	4,610	4,450	18,175						
1994	4,560	4,900	4,900	4,740	19,173						
1995	4,650	4,710	4,700	4,740	18,687						
1996	4,770	4,920	4,950	4,920	19,440						
1997	4 900	5,150	5,000	4,700	20 340						
	4,700		lilk production 2/	3,070	20,347						
	Million Dounds	Million Dounds	Million Dounds	Million Dourdo	Million Dourds						
	Withon Founds	Willion Pounds	Willion Pounds	Million Pounds	Million Pounds						
1989	303	327	327	320	1,277						
1990	322	336	335	330	1,323						
1991	325	345	333	332	1,335						
1992	342	300	357	337	1,410						
1995	354	3/1	373	220	1,454						
1994	386	301	402	380	1,333						
1996	396	413	411	413	1,551						
1997	426	415	420	395	1,679						
1998	407	432	429	421	1,689						

Milk	cows and	milk	production	bv	quarter.	Colorado.	1989-98	1/	ļ
	COTTO GAAGA	******	production	N 7	uuui lui		1/0/-/0		

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 1/ 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, 1989-98

Year	Number of	Produc per milk	ction cow <u>2</u> /	Percentage	Total production on farms		
	on farms <u>1</u> /	Milk	Milkfat	in milk	Milk	Milkfat	
	Thousands	Pounds	Pounds	Percent	Million	Pounds	
1989	76	16,803	620	3.69	1,277	47	
1990	77	17,182	627	3.65	1,323	48	
1991	77	17,338	635	3.66	1,335	49	
1992	80	17,700	646	3.65	1,416	52	
1993	80	18,175	660	3.63	1,454	53	
1994	81	19,173	688	3.59	1,553	56	
1995	83	18,687	676	3.62	1,551	56	
1996	84	19,440	710	3.65	1,633	60	
1997	84	19,988	720	3.60	1,679	60	
1998	83	20,349	737	3.62	1,689	61	

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

 $\frac{1}{2}$

		IVIIIK U	sposition ai	iu cuon re-	ccipi0, 0	ororado, 12	01 1//0				
		Milk used o	on farms where	produced		Milk and cream sold to plants and dealers					
Year	Fed to calves	Use farm for r and	Used in the farm household for milk, cream and butter		al	Quantity		Price per 100 lbs.	Cash receipts		
			Million	n Pounds	Pounds			Dollars	1,000 Dollars		
1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	. 39 . 34 . 39 . 44 . 50 . 41 . 46 . 38 . 30 . 21 . 38 . 27	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$\begin{array}{cccccccccccccccccccccccccccccccccccc$				13.40 13.20 14.70 14.50 12.70 13.40 13.00 13.60 13.00 14.60 13.00 14.60 13.00	149,410 152,460 174,783 179,800 157,226 177,014 175,890 198,560 190,840 227,760 206,700 241,500		
	N t	filk sold direction of consumers	tly 1/		<u> </u>	Comb	ined marketir ilk and crean	etings of eam			
Year	Year Quantity Price quart		Cash receipts	Milk utilized	Average Per 100 lbs. milk	e returns <u>2</u> / Per lb. milkfat	Cash receipts	Value of consumed on farms where produced <u>3</u> /	Gross income income from dairy products <u>4</u> /		
	Million Quarts	Cents	1,000 Dollars	Million Pounds	Dollars	Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars		
1987 1988 1989 1990 1991 1992 1993	. 14.0 . 14.0 . 14.0 . 14.4 . 14.9 . 17.7 . 18.6 . 20.0	56.0 59.0 62.0 60.0 70.0 72.0 78.0	7,814 8,233 8,651 8,651 8,930 12,372 13,396	1,145 1,185 1,219 1,271 1,270 1,359 1,393 1,503	13.73 13.56 15.05 14.83 13.08 13.94 13.59 14.25	3.74 3.67 4.08 4.06 3.57 3.82 3.74 3.97	157,224 160,693 183,434 188,451 166,156 189,386 189,286 214,160	1,099 1,085 2,859 1,186 1,962 2,230 2,038 1,710	158,322 161,777 186,293 189,637 168,119 191,616 191,324 215,870		
1995 1996 1997 1998	. 20.0 20.4 20.0 20.4	77.0 88.0 82.0 90.0	15,400 18,009 16,400 18,837	1,505 1,511 1,604 1,633 1,655	13.65 15.32 13.66 15.73	3.77 4.20 3.79 4.35	206,240 245,769 223,100 260,337	1,365 1,226 1,093 1,101	207,605 246,995 224,193 261,438		

Milk disposition and cash receipts, Colorado, 1987-1998

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

Dairy Products: Quantities manufactured, Colorado, 1987-98

	Cottage cheese					Frozen products								
Year				lce c	ream	lce milk		Milk sherbet		Watar				
	Lowfat	Curd	Creamed	Mix	Product	Mix	Product	Mix	Product	ices				
		1,000 Pounds	5		1,000 Gallons									
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				
1991	8,972	12,352	12,166	5,717	11,252	3,940	6,553	267	403	526				
1992	8,471	10,935	9,974	5,286	10,414	4,223	7,162	245	628	351				
1993	6,442	8,553	8,883	5,393	10,398	4,078	6,865	269	374	495				
1994	7,920	9,231	8,982	5,487	10,663	4,197	8,877	343	515	579				
1995	7,597	8,930	7,375	5,249	9,977	4,118	8,513	296	450	700				
1996	7,539	8,932	1/	5,361	10,262	3,350	6,401	279	425	1/				
1997	1/	1/	1/	1/	1/	1/	1/	1/	1/	1/				
1998	1/	1/	1/	1/	1/	1/	1/	1/	1/	$\overline{\underline{1}}$				
1/ Not published to	avoid disclo	ours of indivit	hugh operation	/ Not published to quaid disclosure of individual exercitions										

 $\underline{1}$ Not published to avoid disclosure of individual operations.

Chicken Inventory Colorado, December 1, 1983-98



Year	Hens and pullets of laying age			Pullets not of laying age				All chickens			
	Hens	Pullets	Total	3 mo. old or older	Under 3 mo.	Total	Chickens	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	1,000 Head	Dollars	1,000 Dollars	
1983	1,800	700	2,500	210	285	495	25	3,020	2.05	6,191	
1984	1,020	1,600	2,620	240	300	540	15	3,175	1.85	5,874	
1985	1,150	1,185	2,335	75	172	247	13	2,595	1.75	4,541	
1986	1,470	1,130	2,600	124	200	324	11	2,935	1.35	3,962	
1987	1,440	1,550	2,990	234	240	474	6	3,470	1.45	5,032	
1988	1,570	1,605	3,175	310	498	808	3	3,986	1.60	6,378	
1989	1,100	2,026	3,126	193	297	490	43	3,659	2.25	8,233	
1990	2,002	1,385	3,387	297	618	915	70	4,372	1.80	7,870	
1991	2,360	1,376	3,736	384	480	864	40	4,640	1.90	8,816	
1992	1,790	1,670	3,460	250	385	635	65	4,160	1.80	7,488	
1993	1,678	1,605	3,283	353	337	690	67	4,040	2.00	8,080	
		All layers			Pullets		Other		All chickens		
Year	One year	Less than		13-20 weeks	< 13 weeks of		chickens		Value	Total	
	older	vear	Total	of age	age	Total		Number	per head	value	
	01001	Jour			-8-				Period		
1994	1,395	1,559	2,954	385	529	914	112	3,980	2.10	8,358	
1995	1,479	1,635	3,114	380	465	845	166	4,125	1.90	7,838	
1996	1,813	1,530	3,343	320	280	600	137	4,080	2.10	8,568	
1997	1,910	1,760	3,670	229	643	872	176	4,718	2.20	10,380	
1998	2,250	1,487	3,737	180	550	730	130	4,597	2.40	11,033	

Chickens: Inventory by class and total value, Colorado, December 1, 1983-98 1/

1/ Change in class terminology beginning 1994.
Chickens. Number 10st, number sold and value of sales, Colorado, 1990-98									
Year	Number lost	Number sold	Pounds sold	Price per lb.	Value				
	1,000 Head	1,000 Head	1,000 Pounds	Cents	1,000 Dollars				
1990	390	2,080	9,360	12.0	1,123				
1991	420	2,270	9,988	11.0	1,099				
1992	440	2,240	8,960	10.0	896				
1993	440	2,180	8,720	10.0	872				
1994	510	2,200	9,020	7.0	631				
1995	686	1,734	6,936	4.0	277				
1996	708	1,547	6,188	3.0	186				
1997	600	2,300	8,050	3.0	242				
1998	550	2,170	9,331	3.0	280				

Chickens: Number lost, number sold and value of sales, Colorado, 1990-98

Layers and egg production, Colorado, 1990-98 1/

Voor	Dec. <u>2</u> /	Jan.	Feb. <u>3</u> /	March	April	May <u>4</u> /	June	July	Aug. <u>5</u> /	Sept.	Oct.	Nov. <u>6</u> /
ICal		Average number of layers										
			Thousand									
1990			3,110			3,135			3,110			3,215
1991			3,328			3,449			3,531			3,585
1992			3,738			3,518			3,322			3,403
1993			3,487			3,490			3,434			3,342
1994	3,287	3,246	3,290	3,311	3,250	3,190	3,150	3,189	3,213	3,206	3,133	3,015
1995	3,089	3,206	3,173	3,224	3,217	3,083	3,114	3,200	3,099	3,099	3,164	3,123
1996	3,185	3,276	3,232	3,174	3,228	3,272	3,178	3,163	3,220	3,248	3,275	3,299
1997	3,367	3,292	3,222	3,232	3,139	3,096	3,156	3,268	3,402	3,435	3,560	3,688
1998	3,612	3,597	3,678	3,769	3,749	3,663	3,667	3,654	3,610	3,601	3,618	3,682
					Nu	umber of eg	gs produce	d				
						Mill	ion					
1990			196			198			194			200
1991			205			218			226			224
1992			231			208			192			206
1993			207			206			211			213
1994	71	65	59	67	65	66	64	66	68	64	64	59
1995	62	69	63	70	68	68	65	71	71	66	67	78
1996	69	71	67	71	67	69	66	69	70	68	71	69
1997	72	71	63	70	66	65	67	73	75	73	80	82
1998	83	81	72	81	80	79	72	80	80	76	82	79

<u>1</u>/ Quarterly estimates only until 1994. <u>2</u>/ Dec. preceding year. <u>3</u>/ Dec.-Feb. total until 1994. <u>4</u>/ March-May total until 1994.
<u>5</u>/ June-Aug. total until 1994. <u>6</u>/ Sept-Nov. total until 1994.

Eggs: Froduction and income, Colorado,	1770-79
--	---------

Year	Average number of layers	Eggs per layer	Total produced	Price per dozen	Gross income
	Thousands	Number	Millions	Cents	1,000 Dollars
1990	3,142	251	788	77.8	51,089
1991	3,473	251	873	73.0	53,108
1992	3,494	239	837	61.4	42,827
1993	3,438	243	837	68.8	47,988
1994	3,207	243	778	66.0	42,790
1995	3,149	256	805	70.6	47,361
1996	3,229	256	827	75.6	52,101
1997	3,322	258	857	72.0	51,420
1998	3,658	258	945	67.1	52,841

Bees and honey, Colorado, 1988-98

Year	Number of Colonies	Yield per Colony	Production	Producer Stocks	Avg. Price Per Pound	Value of Production
	1,000	Pounds	1,000 H	ounds	Dollars	1,000 Dollars
1988	48	83	3,984	837	.550	2,191
1989	50	66	3,300	495	.540	1,782
1990	55	64	3,520	845	.660	2,323
1991	50	79	3,950	514	.630	2,489
1992	52	74	3,848	847	.590	2,270
1993	53	73	3,869	1,161	.580	2,244
1994	45	76	3,420	1,813	.560	1,915
1995	45	60	2,700	1,404	.730	1,971
1996	30	74	2,220	1,132	.850	1,887
1997	35	55	1,925	982	.820	1,579
1998	27	72	1,944	1,594	.700	1,361

Trout: Operations, sales and value, Colorado, 1993-98

Item	Unit	1993	1994	1995	1996	1997	1998
Number of Operations	Number	30	27	33	36	32	30
Total Sales	1,000 Dollars	2,134	2,274	2,269	2,420	2,716	2,519
Foodsize: <u>1</u> /							
Number Sold	Thousands	397	614	850	520	519	576
Pounds Sold	Thousands	349	524	778	543	538	544
Value Per Pound	Dollars	2.26	2.11	2.12	2.42	325	2.91
Total Value of Sales	1,000 Dollars	790	1,104	1,651	1,315	1,748	1,581
Stockers: 2/							
Number Sold	Thousands	1,313	1,015	723	806	791	853
Pounds Sold	Thousands	545	486	257	433	396	376
Value Per Pound	Dollars	2.25	2.21	2.18	2.36	2.23	2.44
Total Value of Sales	1,000 Dollars	1,224	1,076	560	1,021	884	918
Fingerlings: 3/							
Number Sold	Thousands	642	621	334	360	220	89
Pounds Sold	Thousands	16	17	11	13	6	4
Value Per Pound	Dollars	7.44	5.53	5.27	6.46	14.00	5.00
Total Value of Sales	1,000 Dollars	119	94	58	84	84	20

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.

Livestock: Number on farms and inventory value, Colorado, January 1, 1989-99

All Cattle and Calves		lves	Н	ogs and Pigs	<u>1</u> /	All Sheep and Lambs			
Year	Number	Farm value			Farm value		Number	Farm value	
	Number	Per head	Total	Number	Per head	Total	Number	Per head	Total
	1,000		1,000	1,000		1,000	1,000		1,000
	Head	Dollars	Dollars	Head	Dollars	Dollars	Head	Dollars	Dollars
1989	2,800	600.00	1,680,000	220	74.50	16,390	825	90.00	74,250
1990	2,800	620.00	1,736,000	230	86.50	19,895	840	84.00	70,560
1991	2,750	710.00	1,952,500	300	93.00	27,900	710	80.00	56,800
1992	2,900	640.00	1,856,000	410	75.00	30,750	710	66.00	46,860
1993	2,950	685.00	2,020,750	410	83.00	34,030	660	72.00	47,520
1994	3,050	680.00	2,074,000	450	85.00	38,250	647	77.00	49,819
1995	3,000	650.00	1,950,000	500	60.00	30,000	545	74.00	40,330
1996	3,150	520.00	1,638,000	580	79.00	45,820	535	88.00	47,080
1997	3,250	570.00	1,852,500	630	100.00	63,000	575	105.00	60,375
1998	3,250	640.00	2,080,000	790	88.00	69,520	575	105.00	60,375
1999	3,150	580.00	1,827,000	870	49.00	42,630	440	93.00	40,920

1/ December 1 preceding year.

ANNUAL REPORT

COLORADO DEPARTMENT OF AGRICULTURE

FISCAL YEAR 1998-1999



The Honorable Bill Owens, Governor

Don Ament, Commissioner



ANNUAL REPORT OF THE COLORADO DEPARTMENT OF AGRICULTURE Fiscal Year 1998-1999 Bill Owens, Governor Don Ament, Commissioner Robert G. McLavey, Deputy Commissioner

Colorado Agriculture

- There are 29,500 farms and ranches on 32.5 million acres half of the state. Colorado agriculture helps feed the nation and the world, provide wildlife habitat, protect the environment and fuel the state economy.
- Agriculture provides for over 86,000 jobs, 6.3% of the state's total, bringing in over \$12 billion to Colorado's economy.
- Agriculture cash receipts alone are over \$4.4 billion, with 69% accredited to livestock
- Colorado farmers and ranchers help feed the world by exporting over \$1 billion annually. Japan, Canada, Mexico and Korea receive the largest share of Colorado food products.
- Colorado's top ten farm and ranch products, in terms of agricultural sales are: cattle and calves; corn; wheat; dairy products; hogs and pigs; hay; greenhouse/nursery; sheep and lambs; poultry and eggs; and potatoes.
- Colorado agriculture is more than just food. Colorado farmers and ranchers also contribute to the creation of products related to manufacturing, health care, education, recreation, transportation, construction and personal care. That includes detergents, x-ray film, bandages, crayons, paper, piano keys, footballs, shoes, plastics, hydraulic brake fluid, ball bearings, tires, insulation, linoleum, soaps, cosmetics, shaving cream to perfume.

The Colorado Department of Agriculture

Mission

The Colorado Department of Agriculture is committed to strengthening agriculture's future; providing consumer protection; promoting environmental quality and animal health; and ensuring equity and integrity in business and government.

Organization

Two hundred and fifty employees provide over 300 different regulatory, inspection, marketing, consumer protection and other services across Colorado for .2% of the state's budget.

The Colorado Department of Agriculture is proud to serve you through the Commissioner's office and six divisions: Markets, Brand Inspection, Plant Industry, Inspection and Consumer Services, Animal Industry and the Colorado State Fair.

► The Markets Division helps Colorado food and agricultural companies sell their products in local, regional, national and international markets.

- ► The Brand Inspection Division registers, inspects and verifies more than 37,000 livestock brands; and licenses livestock sale barns, packing plants and alternative livestock farms. They also conduct lost or stolen livestock investigations and return livestock to their rightful owners.
- ➤ The Plant Industry Division provides organic certification; nursery stock inspection; produce, plant and seed export certificates; seed inspection and certification; weed free forage certification; noxious weed management; bee inspection and investigations; backflow prevention equipment permits and inspections; commercial pesticide applicator testing, licensing and investigations; pesticide product record inspections and label registration; groundwater protection regulation; and biological pest control.
- ► The Inspection and Consumer Services Division provides retail egg inspection and licensing; verification of animal feed and fertilizer labels through sampling and analyzing ingredients; custom meat processing facility inspection; weighing and measuring device certification; agricultural commodity dealer, handler and warehouse bonding and licensing; and, fruit and vegetable grading and inspection.
- ► The Animal Industry Division provides livestock disease prevention, control and lab services; animal cruelty investigations, rodent and predator control services; and pet shop and kennel inspection and licensing.
- ► The Colorado State Fair's goal today has remained the same as it was in 1901 to enlighten, instruct and astonish. The fair highlights agriculture, crops, livestock, canning, baking, needlework, flowers, art and, more recently, science, industry and education. The fair provides exciting shows and personalities, elaborate fireworks, and spectacular family events.

There are four independent authorities under the department's umbrella: the Colorado State Fair Authority, the Colorado Horse Development Authority, the Colorado Wine Industry Development Board, and the Colorado Agricultural Development Authority.

The Colorado State Fair Authority

The Colorado State Fair Authority directs and supervises the Colorado State Fair and Industrial Exposition. Eleven members govern the authority, ten appointed by the Governor, with consent of the Senate. The Commissioner of Agriculture, or his or her designee is the eleventh member of the authority.

The Colorado Horse Development Authority

The Colorado Horse Development Authority, representing all types of horse interests and breeds, works to promote the horse industry and educate people on the health care and welfare of horses in the state. One of their primary projects this year was to conduct a survey to determine how many horses there are in Colorado and determine the economic impact the horse industry has in the state. The horse authority is governed by 14 members, all appointed by the Commissioner of Agriculture.

The Colorado Wine Industry Development Board

The Colorado Wine Industry Development Board researches grape and wine production, and promotes Colorado wines in Colorado and across the United States. The wine board is governed by ten board members, all appointed by the Governor.

The Colorado Agricultural Development Authority

Budget

The Colorado Agricultural Development Authority's (CADA) mission is to encourage the investment of private capital in the agricultural sector through the use of public financing in order to make low-interest loans available to agricultural producers for specific uses. Seven board members govern CADA: three appointed by the President of the State Senate, three by the Speaker of the House, and one by the Governor. The Commissioner of Agriculture also serves on the board as a non-voting member.

	Commissioner's Office	Agriculture Services	Markets	Brand Board	State Fair
General Fund (GF)	\$2,360,185	\$5,591,361			
Cash Fund (CF)	\$1,091,226	\$4,176,196	\$81,458	\$2,828,343	
Cash Fund Exempt (CFE)	\$349,230	\$362,373	\$671,213		\$8,000,000
Federal Funds (FF)	\$277,930	\$163,886			

The Commissioner's office includes the Colorado Agricultural Commission, Resource Analysis Section, Administrative Services, Public Information and Human Resources. Agriculture Services includes the Inspection and Consumer Services Division, the Plant Industry Division and the Animal Industry Division.



1999 Department of Agriculture Budget

Office of the Commissioner Don Ament, Commissioner of Agriculture Robert G. McLavey, Deputy Commissioner

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

This year, Colorado had a change in Governor and in Commissioner of Agriculture. The Commissioner's office staff spent time copying and compiling the records of the previous administration for central filing, answering transition team questions, compiling information and writing summaries to prepare the new administration, moving furniture and adapting. Commissioner Ament met with many agencies, organizations and individuals across the state including the Bureau of Land Management, the USDA Farm Service Agency, the US Fish and Wildlife Service, the Natural Resources Conservation Service and the Colorado Division of Wildlife.

Hot issues for the 1998-1999 year included: regulation of swine production, state land stewardship trust, world trade, public lands grazing, the Food Quality Protection Act, animal diseases, animal cruelty, noxious weed management, risk-based inspection, pricing and scanning accuracy, information technology and Colorado Peak Performance. Other Commissioner's office activities include the 1999 Colorado Agricultural Outlook Forum and hosting the fifth-annual AgInsights meeting.

Regulation of Swine Production

The Commissioner's Office spent considerable time monitoring Ballot Initiative 14 and the development of regulations following its passage. The Initiative imposed strict odor and water quality requirements on most of the state's larger hog production facilities. The regulations, developed by the Colorado Department of Public Health and Environment's (CDPHE) air and water quality control divisions, were put into effect March 1, and enforcement of the regulations became effective July 1. Many hog producers have found the odor control regulations to be particularly onerous because of the statute's requirement that anaerobic lagoons be covered in some fashion to reduce ammonia volatilization. The regulations also impose very strict odor emissions at the property line and at the nearest residence, business, or other odor "receptor". The department will continue to work with CDPHE and hog producers to facilitate compliance with the regulations without the need for crippling financial outlays.

State Land Stewardship Trust

The Commissioner's Resource Analysis Section headed an intensive review of 130 nominated parcels for inclusion in the new Stewardship Trust put into effect by ballot initiative in 1996. The trust will comprise three million acres of state land administered by the State Land Board to protect those lands' natural values, such as archeological, scenic, open space or plant and animal habitat. The department worked with the Natural Resources Conservation Service and the Colorado Soil Conservation Board. The team reviewed each proposal to determine the soils' erosion potential, the parcel's potential for development for other uses, its agricultural productivity, wildlife habitat, and other factors. Each parcel was then ranked according to the criteria and an assessment of the potential loss of the identified natural values of the parcel. A report was submitted to the State Land Board with the team's recommendations.

World Trade

The department hosted a World Trade Forum in Denver that enabled 19 national and state agricultural organizations to present their views to top federal trade officials on the upcoming WTO negotiations. The forum's listening panel included a representative of the U.S. Trade Representative and the director of USDA's Foreign Agriculture Service.

The testimony presented to the panel suggested how the WTO agreement could more equitably treat U.S. agricultural producers in the world market. The department's Markets Division organized the event.

Public Lands Grazing

In 1999, the department concluded an effort to assist a northwest Colorado rancher and the Bureau of Land Management in developing a grazing system that would protect and enhance the range resource while enabling the rancher to remain financially viable. The process, begun in late 1997, is known as a Section 8 Review and is provided for in the principal federal grazing statute. The review brought together the permittee and the federal agency along with a panel of range resource specialists and ranchers knowledgeable with the area's environment to review the range conditions and the landscape. The team issued its report in late 1998 and early 1999.

Food Quality Protection Act

The department has begun an intensive effort to assure food product safety while maintaining the ability of farmers and ranchers to obtain effective and affordable crop protection chemicals. The department will work throughout the next year to urge the Environmental Protection Agency and federal lawmakers to ensure that implementation of the FQPA does not result in negligent decisions that eliminate the availability of proven pesticides.

Animal Diseases

Hot animal disease issues during 1997-98 have included vesicular stomatitis (VSV) in horses, chronic wasting disease in elk and scrapie in sheep. The Animal Industry Division Livestock Disease Section has monitored and controlled the spread of these and other diseases. The division has also led the way in forming new partnerships to do more with less.

For the third year, Colorado was awarded "the VSV Capitol" title by having the highest number of cases in the nation. This year, the Animal Industry Division commissioned 63 veterinary practitioners to monitor infected animals for healing and quarantine release at a cost of one tenth of either the 1995 or 1997 outbreaks. International and state trading partners were very supportive of this new procedure and other states have expressed interest in modeling their programs after this one.

The section worked with the sheep and wool industry to write the strictest scrapie-prevention and tracking rules in the nation to date. They also worked with the alternative livestock industry to amend the alternative livestock health regulations to allow the importation of domesticated elk or fallow deer into Colorado only from herds with known tuberculosis status and to incorporate federal standards.

The Rocky Mountain Regional Animal Health Laboratory developed several new tests, including DNA testing capability.

Animal Cruelty

It has been another big year for animal cruelty complaints. The department's Bureau of Animal Protection investigated approximately 324 complaints of animal neglect and cruelty across the state. With the increase in the number of animal owners in the state, the Bureau continues to educate people on how to care for them.

Noxious Weed Management

The department distributed \$225,000 in weed grants to 22 local, regional, and statewide projects. Collectively, recipients matched the state's dollars with approximately \$1,152,943.60 (5.12:1 matching ratio). Grants ranged from \$800 to \$25,000. The State Weed Coordinator facilitated the development of a statewide strategic plan to help focus Colorado's noxious weed management efforts at every level on public and private lands. The result of this plan will be a more coordinated, efficient and successful weed management effort involving numerous public and private partners throughout the state. The coordinator also continues to increase weed awareness through educational materials and events.

Risk-Based Inspection

Virtually all of the programs in the Inspection and Consumer Services Division and the Plant Industry Division have now been converted to risk-based inspection programs and minor adaptations are in progress. These programs will devote more resources to regulating and assisting higher-risk companies in complying with state laws.

Pricing and Scanning Accuracy

Multiple inspectors performed 38,111 price verifications and errors up to 50% were not unusual. Inspectors examined 55,000 packages for short measure and found 18.5% to be in error. Inspectors assessed \$50,664.00 in fines. Because the Measurement Standards Section doesn't have enough inspectors to keep the growing number of stores in line, they developed a retail training program, working with stores to test themselves in price verification, accurate packaging and weighing. As part of this program, the Measurement Standards Section presented four of Colorado's top grocery stores with certificates of excellence for accurate packaging, labeling and scanning.

Information Technology

It's been a big year for technological advances in the department. The department now has internal and Internet email. The Animal Industry Division and the Inspection and Consumers Services buildings have been connected to the network and the department is in the process of connecting remote sites in Monte Vista, Palisade and Denver. They have acquired new servers, put in some new database systems, standardized the operating system and office suite products, and standardized programming in Visual Basic, Microsoft Access and Microsoft Sequel Server. To ensure Y2K compliance, they have tested over 165 desktop and laptop computers for hardware compliance and are in the process of fixing and testing more than 47 different applications, while ensuring all embedded systems will be operational.

Colorado Peak Performance

The department's Colorado Peak Performance (CPP) steering committee has three teams: allocation, non-cash awards, performance management and evaluation. The team members came from all divisions and all classifications and worked to gather information and develop guidelines for measuring performance and distributing performance-based pay. The allocation team has an allocation plan in place. The non-cash team surveyed employees and generated a list of non-monetary options. The performance management and evaluation team created the performance agreement with four parts: minimum professional standards, job class performance factors, individual performance factors and team performance factors. The steering committee is in the process of developing dispute resolution information and a guidance manual.

All divisions completed initial training with John Nobil of Hein and Associates and Ken Doby of the Colorado Department of Personnel General Support Services. The department is running a pilot test of the program from April 1, 1999 to March 31, 2000. Employees have been rewriting their position descriptions to accurately reflect

the work they do and working with their supervisors to jointly develop performance agreements. The program will be formally implemented on July 1, 2000 with first payouts July 1, 2001.

Governor's Agricultural Outlook Forum

The Commissioner's office assisted in making the 1999 Governor's Agricultural Outlook Forum, *The Changing Structure of Agriculture*, a reality on February 10, 1999 in Denver. More than 400 people came to explore and discuss the changing environment in which agriculture must operate. In the morning, Dr. Barry Flinchbaugh, professor of agricultural economics from Kansas State University, reviewed the 1996 Farm Bill and options for change. Dr. I. Miley Gonzalez, USDA Undersecretary of Agriculture for Research, Education and Economics, discussed post-industrial agriculture and the importance of education and information. Dr. J. B. Penn, Senior Vice President for the Sparks Company, analyzed agriculture's prospects from an international perspective. Mr. Dan Manternach, president of Professional Farmers of America, concluded the day with *The Seven Megatrends of Agriculture*. Governor Bill Owens addressed the forum at lunch. Six afternoon breakout sessions covered these topics: international trade, agriculture and the internet, rural telecommunications, access to capital, salinity and water management, and legislative issues.

In conjunction with the Governor's Agricultural Outlook Forum, Commissioner Ament convened the fifth-annual meeting of AgInsights. AgInsights is a group made up of organizations and individuals committed to building a strong future for Colorado Agriculture. From 15-25 agricultural organizations participate in quarterly meetings where they discuss their concerns with other groups and determine what they can do as a whole to resolve those issues. There are two primary subcommittees: legislation and media.

At the 1999 meeting, the whole group discussed issues such as confined animal feeding operations, endangered species, sales tax exemption for farm equipment, growth issues and water supply. The legislation team gave an update, the media team gave an update on agriculture promotions and everyone discussed future partnerships.

Colorado Agricultural Commission

The Colorado Agricultural Commission is a group of nine agricultural leaders appointed by the Governor and confirmed by the State Senate. The Commission is responsible for making recommendations to the Commissioner, the Governor and the General Assembly regarding agricultural issues within the state; developing policies for preparing and enforcing rules and regulations related to agriculture; reviewing and approving all rules and regulations before release by the Commissioner or agriculture divisions; developing general policy for managing the agriculture department; and approving and monitoring the agriculture department's budget.

The commission held six meetings in fiscal year 1998-99 and publicly took a position on several issues that were important to agriculture such as protecting water for agriculture and assisting rural counties that want to maintain a viable hog industry in Colorado.

At a recent joint meeting between the Agriculture Commission and the Wildlife Commission, they discussed issues that the two commissions can work together to further both wildlife management and agriculture producers such as alternative livestock and chronic wasting disease, predator control and game damage, and endangered species.

Commission members, previous to March were: Max Harper, a dairyman from Yuma, CO; Glen Murray, primarily a corn farmer from Brighton, CO; Brad Rock, a farmer and cattle feeder from Hudson, CO; Kelly Spitzer, a grain marketer and family farmer; Penny Lewis, a cattle rancher near Kremmling, CO; Bruce Talbott, a fruit grower from Palisade, CO; Ron Clark, a wheat farmer from Matheson, CO; and Dale DeJacamo, the owner and operator of James Nursery in Northeast Denver. The last three members were not appointed to another term, and David Ford, a potato farmer from Center, CO died in a plane crash.

In March, 1999, Governor Owens appointed four new members to the Commission. They are: Bob Briggs, executive director of the Colorado Greenhouse Growers Association, Westminster, CO; Steven Ela, a fruit grower from Hotchkiss, CO; John Salazar, El Rancho Salazar operator in Manassa, CO; and Dan Webster, a cattle feeder in Greeley, CO. Penny Lewis from Kremmling was reappointed for a second four-year term.

Resource Analysis

This section analyzes key issues and trends affecting Colorado agriculture and develops and manages special programs at the direction of the Commissioner.

The section continues to disseminate information on agricultural land conversion in Colorado through documents and presentations, focusing on landowner-oriented approaches to agricultural land preservation. Section staff assisted the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) with developing criteria to review applications for \$18 million in federal funds in order to help buy agricultural easements from willing landowners.

In 1998-99, section staff coordinated the 1999 Colorado Agricultural Outlook Forum, which attracted more than 400 people. Section staff assisted the State Land Board in reviewing 130 parcels of state land nominated for the 300,000-acre Stewardship Land Trust. The review included extensive analysis of the impacts of proposed nominations upon agricultural producers with state leases. Section staff prepared a report containing estimates of net irrigation requirements by crop for each county in the state. Staff also assisted in the planning and implementation of the Colorado Peak Performance Plan for the department.

Administrative Services

The Administrative Services Section continues to focus on customer service in accounting, budgeting, purchasing, data processing, and business support services to each department division, the public, and department clients.

A new information technology manager was hired through a budget initiative this past fiscal year. The information technology manager and staff have: coordinated and implemented email throughout the department; written two licensing and registration programs, while contracting for an additional four licensing and registration systems; successfully implemented the risk-based management system; updated the department internet site and created the department intranet site; and identified and are repairing Y2K compliance issues.

The Administrative Services Section successfully requested new budget initiatives addressing a four-year computer replacement cycle, additional contract dollars for three licensing and registration programs, and a new computer infrastructure for the Brand Inspection Division.

The 1998 facilities audit continues to assist the department in identifying capital construction and controlled maintenance needs. The Administrative Services Section supports the department in facilitating capital construction and controlled maintenance requests and will continue to seek the proper resources for upkeep of department facilities.

The Administrative Services Section will continue to work with and train department staff in purchasing procedures, thereby ensuring state purchasing rules compliance. Additionally, this section will provide good, accurate information to the executive and legislative branches and meet fiscal deadlines.

Public Information

The public information office provides the public and the media information about, and access to, the services and activities of the Colorado Department of Agriculture. The Public Information Officer (PIO) works in six main areas: media communication, publications, Commissioner's office web site communication, citizen's advocate, agriculture promotion through participation in AgInsights, and promotion of the Colorado Agricultural Outlook Forum and other events.

This year, the PIO wrote and sent out 120 press releases, created and distributed the 70-page Colorado Department of Agriculture *AgriPages* directory, created and distributed a state public information contact list; and compiled the department's monthly employee newsletter and the annual report. The officer compiled and produced a veterinary services newsletter, a Pet Animal Care Facilities Act (PACFA) program newsletter, the PACFA brochure and the noxious weed management program brochure. The officer is in the process of completing the Ag Commission brochure, the department's general services brochure and media training. The officer created centralized uniform mailing list databases for media, agricultural organizations, CSU Cooperative Extension agents, legislature agriculture committee members, agriculture boards and commissions, that everyone in the department can use. The PIO also compiled the animal emergency database. The PIO created a Commissioner's office web site with sections on the Commissioner, the Deputy Commissioner, Staff, Public Information and Human Resources and hosted a demonstration on Microsoft Frontpage. The officer created handouts outlining the department's services, and providing information on Colorado agriculture. The office also answered over 4,000 information calls and requests.

The officer is active on the AgInsights media team and this year the officer produced materials for National Ag Week, assisted in promotion of an agriculture statute; and participated on teams to update the Speaker's Bureau slide show, to host a legislative luncheon and tour, and to build an AgInsights web site. The officer is in charge of public relations and marketing for the Colorado Agricultural Outlook Forum and this year organized and moderated the forum breakout session called *Agriculture and the Internet*. Over 400 people attended the forum.

Human Resources

Human Resources mission is to provide a full range of human resource services to all internal and external customers to insure that the department of agriculture hires and retains quality, satisfied employees.

Human Resources directs and administers the following for the department: recruitment and selection, classification, benefits, leave, retirements, data input into the state employee database, workers' compensation, short term disability, consultation, risk management. Human Resources is committed to effectiveness and efficiency and has developed an employee database, spreadsheets, improved the filing system for employee records, and eliminated or enhanced other daily work processes.

This year, Human Resources recruited for, tested and filled 20 vacant positions. Job classes filled include multiple inspectors, brand inspector, budget analyst, information technology manager, program assistants, and administrative assistants. Vacancies were filled in all divisions of the department. In addition, Human Resources created and filled temporary positions to provide seasonal assistance for brands and fruit and vegetable inspections.

The Human Resources Administrator is actively involved with the department's Colorado Peak Performance (CPP) steering committee and is facilitating the activities to assure the department's successful entry into CPP in July 2000. The department is on track and began pilot testing its performance evaluation document in April.

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 also oversees eight market orders, is responsible for administration of the Wine Industry Development Board, licenses all of the state's aquaculture producers and provides staff for the Colorado Agricultural Development Authority.

Market Orders

Market orders are created and can be discontinued only when growers petition the Commissioner of Agriculture. When the majority of producers vote for the creation of the market order, the Commissioner of Agriculture formally creates and oversees it, including approving the market order's budget. The first commodity handler collects market order funds and turns them over to the board. Each commodity has its own board, composed of producers who determine how those funds should be used – on research, promotion and/or education. Market order funds cannot be used for political purposes, including lobbying. Most market order funds are totally or partially refundable, allowing producers to request refunds within 30 days.

Market orders provide greater utilization of commodities and increased profitability for producers. In some cases, market orders provide for commodity inspection and grading in order to assure that only high-quality commodities reach the marketplace. Market orders generally work to solve marketing problems and conduct programs that would be impossible for individual producers to accomplish.

There are eight active market orders in the state for apples, corn for grain, potatoes (2), dry edible beans, sweet corn, milk and wheat, representing 15,000 farms and over \$1 billion in sales.

The department's responsibilities involve establishing, enforcing, and overseeing the administration of the market orders. In addition, the program serves to enforce the market order rules and regulations by conducting investigations, holding hearings, and reviewing audits of the orders. The agency reviewed budgets for the eight market orders and approved expenditures totaling over \$3 million.

This year, the division created a market order taskforce to evaluate whether or not market orders are fulfilling producers' needs in research, promotion and advertising, education, quality inspection and fair competition.

International Marketing

The goal in the international marketing program is to increase the export sales of Colorado grown and processed agricultural products. This section works with individual companies as well as in developing industry-specific marketing efforts. International marketing also provides access to the USDA Foreign Agricultural Service (FAS) programs. This section also coordinates agricultural access to the State of Colorado offices in Japan and Mexico.

International marketing provides individual counseling ranging from market assessment utilizing research reports, computer data sources and other research, to assistance in obtaining "Branded Promotion" grants for overseas marketing through the USDA. International Marketing also assists through Colorado's Agricultural International Trade Promotion program (AITPP), which provides financial assistance for international promotions.

A key element of the section's international trade development effort is coordinating state participation in WUSATA, the Western U.S. Agricultural Trade Association. Through WUSATA, Colorado companies have access to international trade development funds, industry and market promotions in overseas markets. The Colorado Department of Agriculture is currently managing one project in Japan, one in the European Union (EU) and one in Mexico. In Japan, the Markets Division manages a food service project; in the EU, an organic products project; and in Mexico, a project to increase the exports of breedstock sales. The Markets Division is also establishing a rancher exchange program with Mexico and has established a Colorado International Livestock Cooperative. With cooperation from the International Trade Office, the U.S. Export Assistance Center, and the U.S. Department of Agriculture, the Markets Division assists in staffing an International Assistance Office in Montrose.

The international marketing section continues to build the resource library for international trade to provide marketing data for most international markets for food and agricultural products. The section is also active in meeting with companies at their plants or ranches. The Markets Division has the lead in a national effort, funded by the USDA, to establish a national standard for state databases for companies and exporters.

Domestic Marketing

The mission of the domestic marketing program is to increase awareness and demand for Colorado food and agricultural products in local, regional and national markets.

The domestic marketing staff publishes and distributes five marketing directories for Colorado producers: the *Hay Directory*, the *Farm Fresh Directory*, the *Fresh and Processed Food Trade Directory* and the *Food and Beverage Gift Guide*. The Markets Division also offers a handbook, *Developing a Marketing Plan for your Food Product* and publishes a quarterly newsletter. The division has made most of their publications available on the Internet.

Ongoing marketing activities include: A Match Made in Colorado, a joint marketing program with the ACF culinarians of Colorado that promotes the use of Colorado food products by the state's foodservice industry; the seal of quality program, a labeling and inspection program that differentiates super-grade apples; another seal of quality program with the Colorado Livestock; the centennial farms program which recognizes 100-year-old farms in the state; the *Gimme 5 Colorado* produce campaign, a statewide effort to increase awareness of the importance of fruits and vegetables in the diet; and a public relations program which informs consumers when select Colorado crops come into season.

As part of AgInsights, the Markets Division developed the Colorado Agricultural Speakers Bureau, which provides speakers on agricultural issues for audiences throughout the state, and an agriculture awareness campaign. Aginsights has also been working with a local sculptor to create statues to honor Colorado farmers and ranchers. The division also administers a program to promote Colorado wines, which is funded by the Colorado Wine Industry Development Board.

The Markets Division continues to serve as the lead agency for aquaculture development in the state. As of May 1999, Colorado has 40 licensed aquaculture facilities.

Business Development

The purpose of the business development program is to encourage agricultural manufacturing in-state. Included in this effort is assistance to start-ups, existing business, and agricultural recruitment undertaken in conjunction with the Colorado Office of Business Development.

The Markets Division administers the Agricultural Processing Feasibility Grant program to assist local governments and entrepreneurs in evaluating the potential for developing or expanding agricultural processing facilities. The Colorado Economic Development Commission funds this program. Private consultation, as well as written and group training is also provided for start-up food processors. Publications and programs for start-ups include: From Growing to Processing: A Guide For Start-up Food Processors, a workshop on Starting a Food Processing Business, and Checklist for Start-Up Food Processors, a concise listing of steps in developing a food processing business.

Growth of existing business is encouraged through: the *Domestic Trade Show Assistance program*, which provides partial funding for booth space at domestic food trade shows outside the state; Colorado sections at the *International Fancy Food & Confection Trade Shows*; the *Colorado Co-Pack Directory*, a listing of food companies which provide contract packing services; a workshop on *Marketing Your Food Product*; and facility visits to inform processors about available programs.

A publication, *Public Finance for Colorado Agriculture*, informs growers and processors about available grant and loan programs.

Cooperative efforts continue to grow with agencies and associations that have a focus in line with the division's business development program. Partnerships include: the American Institute of Wine & Food-Colorado Section, the Colorado Food Association, the Colorado Office of Business Development, the Colorado Small Business Development Centers, the Colorado State University Cooperative Extension, and the Denver Enterprise Center.

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 on hay, fresh produce and nursery marketing.

Brand Inspection Division J. G. Shoun, Brand Commissioner

The Brand Inspection Division has a long history in Colorado beginning around 1865 in what was then the Colorado Territory. Today, the division administers more than 37,000 livestock brands to identify ownership of cattle, sheep, mules, burros, horses, elk and fallow deer. 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 members of the board during the 1998-99 period are Mr. Dick Tanner of Yoder, Mr. Dean Davis of Lindon, Mr. Lee Spann of Gunnison, Ms. Linda Ingo of Ridgway, and Mr. Roger Hickert of Akron.

The division employs 65 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 \$3 million and is completely funded by fees levied to livestock owners and brand registration fees levied every five years.

The division is assigned five principal regulatory responsibilities: to record and administer livestock brands; inspect livestock and verify ownership before sale, transportation beyond 75 miles, or slaughter; inspect and license packing

plants, livestock sale rings, and inspect all consignments before sale to verify ownership; license and inspect alternative livestock (elk and fallow deer) facilities; 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, as well as Colorado Horse Development Authority horse promotion funds. The division is also the trustee for all surety bonds issued to licensed markets and packinghouses doing business in Colorado.

In 1998-99, the division personnel traveled in excess of 1.4 million miles and inspected approximately 5.1 million head of livestock. In addition, they identified ownership of lost, stolen, or strayed and questionably owned livestock valued at over \$17 million. The division conducted 56,000 horse inspections and issued permanent horse travel permits.

The Brand Inspection Division has concentrated on educational programs in the past few years. The focus of the educational program is on teaching brand law and theft prevention to the public and law enforcement agencies. Seventeen classes were given in 1998-99, all in different areas of Colorado.

Division of Plant Industry

John Gerhardt, 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 Colorado Department of Agriculture Plant Industry Division is organized into the Biological Pest Control, the Plant and Insect Section and the Pesticide Section. The division's staff of 40 includes 13 field inspectors - 11 of whom are cross-trained in multiple inspection and two are chemigation inspectors, six biological pest control specialists and one state weed coordinator.

Biological Pest Control Section

In 1945, 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 program employees study, import, rear and release beneficial insects to control plant and insect pests. Biological pest control decreases production costs, reduces a portion of the chemicals entering the environment and offers a more permanent pest control solution.

In 1998-1999, the staff of the Biological Pest Control Section made releases of 43 species of beneficial insects that were designed to assist in the suppression of 17 weed species and six insect pests. A total of 174 post-release surveys were conducted which revealed 18 of the natural enemies are now established in Colorado. These activities were conducted throughout the state on private and public land.

Plant and Insect Section

This section provides the following services:

- Inspect plants and plant products intended for export to provide phytosanitary certification required by receiving states and countries;
- Register 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;

- Inspect apiaries for bee diseases, by request;
- Conduct pest surveys and work with private and public agencies to control certain pests;
- Administer and enforce the Colorado Chemigation Act to avoid pollution of groundwater sources;
- Register and inspect commercial seed dealers to assure truth in labeling of seed as to content and germination claims;
- Administer the Organic Certification program to assure buyers that organically-grown produce conforms with state standards;
- Administer fruit and vegetable pesticide residue monitoring under contract with USDA;
- Administer request program for certification of weed-free hay and mulch crops;
- Register canola fields to avoid cross-pollination of different types of rapeseed (The San Luis Valley is the only area subject to the registration program at this time);
- Implement noxious weed management program activities including distribution of grant money; and
- Enforce the late blight quarantine by inspecting and sampling truckloads of potatoes coming into the San Luis Valley.

The section issued an estimated 2,400 phytosanitary inspection certificates on plant products for international export, valued at approximately \$28 million. Inspectors conducted 1,200 inspections of nurseries and greenhouses and issued approximately 1,800 registrations to sellers of nursery stock. An estimated 10,000 stop sale orders were issued on nursery stock.

Chemigation permits issued totaled 3,277 in 1998-99. Approximately 650 inspections of seed dealers were conducted, and an estimated 250 cease and desist orders were issued for labeling violations. The Plant and Insect Section registered approximately 900 seed sellers and custom seed conditioners and certified 172 organic growers.

The fruit and vegetable pesticide residue monitoring program identifies possible contaminants in the food system. A total of 402 samples were taken in 1998-99.

Under the weed-free certification program, a total of 358 field inspections were made on 17,746 acres of forage and mulch crops, mostly hay, for 151 producers.

In the potato late blight quarantine enforcement program, the division inspected 26 loads of seed potatoes transported into the San Luis Valley in the spring of 1999.

Noxious Weed Management

As the second full-year for the department's noxious weed management program, 1998-1999 was a productive year. At the local level, the department worked closely with Custer, Grand, and Cheyenne Counties as well as an eight county region of the upper Arkansas River watershed to develop or enhance the capacity of local weed management programs. In addition, the department helped to organize, coordinate, and lead initial efforts to manage two new noxious weed invaders, yellow starthistle and orange hawkweed, which threaten to spread and become more wellestablished within the state.

The noxious weed management program also completed a survey required by the Colorado Noxious Weed Act and prepared a report for the Colorado General Assembly which detailed its findings and recommendations regarding state and federal agency performance.

The department also reviewed 42 applications to the Colorado noxious weed management fund that requested a total of \$615,082 in assistance and offered to provide a total match of \$2,929,313.20 (4.76:1 overall matching ratio). After careful review, the department distributed \$225,000 to 22 projects of local, regional, and statewide importance.

Collectively, recipients matched the state's dollars with approximately \$1,152,943.60 (5.12:1 matching ratio). Awarded grants ranged from \$800 to \$25,000.

On a broader level, the department launched several new projects that will continue to develop well into the next fiscal year(s). In order to provide additional resources to public weed management professionals as well as many of Colorado's landowners, the department has collaborated with Colorado State Parks to create and distribute a handbook that will help landowners and managers to develop and implement effective noxious weed management plans. The handbook will be completed in the coming fiscal year and distributed statewide to private landowners as well as state and federal land management agencies.

The department's program has also convened and facilitated two statewide planning efforts. While one is presently investigating the need to develop a statewide mapping and weed management information system, the other continues to develop a strategic plan to help focus Colorado's weed management efforts at every level on both public and private lands. The result of the development and implementation of this strategic plan will be a more coordinated, efficient, and successful weed management effort, which involves numerous public and private partners throughout the state.

Pesticide Section

The Pesticide Section regulates pesticide products, pest control devices, pesticide applicators, and groundwater quality. Pesticide Section services include: ensuring proper labeling, packaging, displaying, formulation, and effectiveness of pesticide products; handling special local needs pesticide registrations and emergency exemption requests for pesticides; ensuring competency of commercial pesticide applicators, and under certain circumstances, commercial and public applicators; and ensuring the protection of groundwater and the environment from impairment or degradation due to the improper use of agricultural chemicals.

In 1998-99, approximately 11,461 pesticide products were registered in Colorado; approximately 357 applicators were tested for competency. Approximately 719 commercial pesticide application firms were licensed and 125 limited commercial and public applicators were registered. Approximately 2,638 applicators were licensed as qualified supervisors or certified operators. Approximately 37 complaints of misuse of pesticides or other violations of the Pesticide Applicators' and Pesticide Act were investigated; and administrative actions were finalized in approximately 14 complaints ranging from letters of warning to license suspensions, civil fines, assurances of discontinuance, injunctions, and license revocations.

To ensure groundwater quality, the section coordinates the efforts of federal, state and local agencies with the emphasis on public education, outreach and monitoring. Presentations to industry, professional organizations and interested groups are ongoing to inform and seek input. A citizens' advisory committee consisting of representatives of the general public, producers and agribusiness, has been instrumental in providing involvement in determining program priorities, program development and program implementation.

In 1998-99 the groundwater protection program inspected a total of 16 mixing/loading pads and 40 secondary containment sites; continued an aggressive education program in the South Platte Basin, focusing primarily on crediting nitrogen in irrigation water and nutrient management planning; completed two fact sheets on irrigation management and water quality best management practices (BMP's). The groundwater protection program also finished a study that determined groundwater sensitivity throughout the state and produced an eight-page fact sheet; focused its monitoring efforts on a regional groundwater quality baseline study for the Western Slope of Colorado and continued its long-term monitoring in the South Platte; produced a report on the Ogallala Aquifer based on the previous season's sampling.

Inspection and Consumer Services Division Ronald Turner, Director

The Inspection and Consumer Services Division consists of five sections: technical services, farm products, laboratory services, measurement standards and fruit and vegetable inspection. The division employs approximately 95 individuals in a variety of inspection programs designed to assure fairness, quality, safety and financial soundness in commercial transactions.

The facility operations program oversees two state-owned buildings and two leased properties for fruit and vegetable Inspection. The facility operations program has one goal in mind - to make sure that the buildings maintain a safe and secure environment for the employees.

Technical Services Section

The division's Technical Services Section is responsible for field inspections, testing and/or sampling for the following programs: measurement standards (small devices), feed, fertilizer, anhydrous ammonia, egg, and meat inspection. Each inspector in the section has been trained to perform inspections in all program areas. Twelve 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.

The feed program registers and selectively samples commercial animal feeds throughout the state. In 1998-99, 880 companies registered over 16,000 products. Program employees collected 3,900 samples of feed products. Inspection (tonnage) fees were collected on 1,745,676 tons of feed. Under a cooperative agreement with the U.S. Food and Drug Administration (USFDA), 18 medicated feed mills were also inspected. Under the current cooperative agreement with the USFDA, inspections are also being conducted to ensure compliance with the "BSE-Rule." The "BSE-Rule" bans the feeding of certain mammalian proteins to ruminant animals.

The feed law has been revised through a cooperative effort of the department and the feed industry. The changes have been passed by the General Assembly. The new law will eliminate the requirement that individual products be registered, replacing it with a company registration. This change will lessen the regulatory burden on the feed industry and still maintain sufficient regulatory oversight to protect Colorado consumers.

The egg program assures compliance pertaining to quality and labeling standards for eggs at the retail and wholesale level. In 1998-99, 2,350 retail licenses and 90 wholesale licenses were issued. At these licensed locations, eggs are inspected for food safety and quality. The department continues to work with the industry to improve the quality of eggs on the market. An egg quality assurance program is currently being studied by the department and the egg industry.

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. In 1998-99, the department registered 306 companies and 2,634 products. The fertilizer program also inspects 4,500 anhydrous ammonia tanks and assists in safety training in the use of this potentially dangerous product.

The meat inspection program licensed 82 custom meat processors and 12 food plan operations. This program also inspects 101 meat processors to protect the public from unsanitary or fraudulent practices in meat processing and in bulk meat sales. This year, the program adopted new rules to further protect the public from door-to-door meat vendors who may employ unethical sales practices.

Farm Products Section

The Farm Products Section is responsible for the enforcement of statutes licensing and regulating those who buy and/or store agricultural products produced in Colorado, or owned by Colorado residents. The section makes sure dealers and state-licensed warehouses are bonded and adequately capitalized. The section licensed over 1,400 firms and holds surety bonds in excess of \$105,000,000. The section coordinates with the USDA Farm Service Agency and Commodity Credit Corporation to assure that Colorado grain producers can participate in the government grain loan programs.

The section investigates complaints by dealers, producers and owners against dealers operating in Colorado. The Farm Products Section issues cease and desist orders and/or other regulatory sanctions in the event a firm appears to be financially unable to meet its commitments. In addition, the section conducts investigations of complaints regarding timely payment or non-payment for farm products purchased and seeks remedies for losses including bond demands, licensing changes, civil and criminal prosecution.

Farm products tests and verifies the accuracy of commercial testing equipment used in the grain industry such as moisture meters and protein analyzers.

The Farm Products Section created a grain storage taskforce to prevent, prepare for and address grain and livestock problems in Colorado. They have discussed grain storage problems, genetically modified corn regulations, loan deficiency payment program guidelines and the loan environment for grain and livestock producers. Representatives from the Colorado Agricultural Commission, the Colorado Cattlemen's Association, the Colorado Cooperative Council, the Colorado Corn Administrative Committee, the Colorado Wheat Administrative Committee, the Colorado Grain and Feed Association, the Colorado Livestock Association, the Colorado Farm Bureau, the Rocky Mountain Farmers Union, Independent Bankers of Colorado and USDA Farm Service Agency are on the taskforce.

Laboratory Services Section

The Laboratory Services Section analyzes animal feeds and fertilizer samples to ensure they conform to the manufacturers' label claims for nutrients, medications and other ingredients. The laboratory also analyzes pesticide concentrates to check for compliance with the manufacturers' label claims. The laboratory participates in a cooperative grant program with the U.S. Environmental Protection Agency to analyze pesticide residue samples. Department inspectors collect these samples as part of investigations into cases of possible pesticide misuse or misapplication of pesticide products by commercially licensed applicators. The laboratory has a microbiology section, which can examine food destined for human consumption for contamination by harmful bacteria, in addition to checking animal feeds for antibiotics.

Our groundwater testing section continues to work in cooperation with the Colorado Department of Public Health and Environment and Colorado State University to analyze groundwater samples from around the state. These samples are analyzed for pesticide and nitrate contamination. The lab analyzed 186 water samples, for a total of 4300 different constituents, from July, 1998 through May, 1999.

By the conclusion of the fiscal year, the entire laboratory will have performed a total of approximately 20,000 different analyses on some 4,000 samples.

Measurement Standards Section

Measurement standards licenses all weighing and measuring devices in commercial use in Colorado and certifies public scales. The State Metrology Laboratory maintains Colorado's official mass length and volume standards, and provides calibration of mass, frequency, length, volume and moisture in grain for public and private agencies.

The metrology laboratory calibrated 7,222 mass standards, performed 130 other tests, and certified 699 tuning forks used to calibrate radar speed detectors.

Measurement standards inspects and test packages for truth in labeling and the accuracy of measuring devices used commercially. More than 28,000 small weighing devices were tested in 1998-99, and of those, 11.0% were out of compliance. Multiple inspectors also performed 38,111 price verifications, errors up to 50% were not unusual. Inspectors examined 55,000 packages for short measure and found 18.5% to be in error. Inspectors assessed \$50,664.00 in fines.

The section's large scale testing units tested and inspected 3,789 scales (a 30% increase over last year), while rejecting 45.5% of the scales tested.

Fruit and Vegetable Inspection Section

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 quality, condition, size and other pertinent factors of fresh fruits and vegetables grown in the state. Inspection certificates are issued by the state to certify grade and condition of the product at the time of inspection.

Mandatory produce inspection is required by statute to promote quality standards. Non-mandatory inspections are conducted on other commodities for shippers who wish to market an inspected product.

In 1998-99, the section inspected an estimated 21,200,000-hundredweight (cwt.) of potatoes, resulting in the issuance of approximately 31,000 certificates on commodities under mandatory inspection. Other fruits and vegetables inspected totaled 315,000 cwt. resulting in 270 certificates issued for non-mandatory commodities.

Division of Animal Industry *Jerry J. Bohlender, DVM, Director*

The Division of Animal Industry is responsible for animal health and disease control activities in Colorado. 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. The division is composed of five different sections: livestock disease, Bureau of Animal Protection, Rocky Mountain Regional Animal Health Lab, rodent control and pet care. The division has 19 employees.

Livestock Disease Section

The Livestock Disease Section is responsible for monitoring and controlling contagious infectious diseases in livestock and captive alternative livestock. The staff concentrates on diseases that are a threat to public health, are not easily controlled by individual livestock owners, and would significantly impact the more than \$3 billion livestock economy in Colorado. Disease surveillance programs at slaughter plants and at livestock concentration points are conducted in cooperation with the USDA. The division controls diseases through inspections, vaccinations, treatments, and other activities.

The division assisted the Colorado Livestock Association in the development of a beef quality assurance program to assist producers in providing a safe and excellent product to all customers. Good management practices including handling of feed, correct animal medication procedures, record keeping, sanitation of facilities and more have been

developed for distribution. Following producer education and certification, an audit process is being developed to check the certified facilities. Division personnel secured federal funds to assist with the program development and provided assistance in developing educational seminars. They continue to provide input on the audit team.

This year, the section, with the industry, took strong preventative measures to protect Colorado's domesticated deer and elk populations from chronic wasting disease, a nervous system disease causing holes in the brain. The Colorado Department of Agriculture passed rules in April requiring all domesticated deer and elk producers to submit samples from any sick or dying deer or elk to Colorado State University for lab analysis to determine if that animal tests positive for chronic wasting disease (CWD). To date, there have been no positive cases.

The Colorado Division of Wildlife found chronic wasting disease in approximately five percent of free-roaming deer and less than one percent in free-roaming elk in two small geographic areas in Northcentral Colorado. The agriculture department examines all resident domesticated herd inventories, making sure that free-roaming deer or elk are not incorporated. All deer and elk with CWD in other states have been quarantined and cannot be transported into Colorado. All resident and imported domesticated deer and elk are tattooed, tested for other diseases, then tagged with an official USDA tag. Again, any animal testing positive is not allowed in the state. The department also requires all domesticated deer and elk to have health certificates and entry permits to track their movement.

July 10th, Colorado Department of Agriculture State Veterinarian Dr. Jerry Bohlender participated on a panel at Colorado State University to provide information to CSU Cooperative Extension agents, Division of Wildlife employees and others on chronic wasting disease. Other members of the panel included Division of Wildlife Veterinarian Mike Miller, CSU Pathologist Dan Gould and CSU Specialist in Food and Nutrition Melissa Bardsley. From Wyoming, University of Wyoming Extension Specialist Suzanne Pelican and Veterinarian Dr. Beth Williams were on the panel.

In May, the Colorado Department of Agriculture conducted a training session for accredited veterinarians on collecting samples for chronic wasting disease testing. The department has been working with USDA Animal Plant Health Inspection Service (APHIS) and other veterinarians to plan a series of educational presentations for domesticated elk and deer veterinarians on chronic wasting disease.

Last October, the Colorado Department of Agriculture formed the Interstate Forum on CWD, made up of livestock, wildlife and veterinary officials from Colorado and Wyoming in order to proactively diagnose, control, prevent the spread of and hopefully eradicate the disease. Forum members include representatives from: USDA Veterinary Services, Colorado State University, University of Wyoming, Wyoming Game & Fish, Colorado Division of Wildlife, Colorado Cattlemen's Association, Colorado Cattlefeeders Association, Colorado Wool Growers Association, United Sportsmen's Council, Colorado Elk and Game Breeders Association, Colorado Farm Bureau, Colorado Wildlife Federation, Colorado Department of Public Health and Environment, Colorado Veterinary Medical Association and the Colorado Department of Agriculture.

The section formed a livestock emergency preparedness team to develop standard operating procedures in the event of a livestock emergency. The team includes representatives from the Department of Clinical Sciences at Colorado State University; epidemiology at Colorado State University; United States Department of Agriculture; Large Animal Commission for the Colorado Veterinary Medical Association; and the Colorado Department of Agriculture. The emergency preparedness program will be integrated into the Colorado State Emergency Plan. The section also created a livestock emergency contact database and plans to put that database on the web.

The health regulation changes in the Alternative Livestock Act are now in effect. These amendments, written in cooperation with the alternative livestock industry, allow the importation of domesticated elk or fallow deer into

Colorado only from herds with known tuberculosis status. They also change the per head assessment fee to allocate money to an indemnity fund to partially reimburse elk or fallow deer owners if their animals have to be destroyed due to disease.

The scrapie rules are also now in effect, to prevent breeding sheep from scrapie-infected flocks from coming into Colorado. These rules, written in cooperation with The Colorado Wool Growers Association and the Colorado Sheep and Wool Authority, require the owner to certify, on the animals' health certificates that the sheep have not come from a scrapie-infected flock. Health certificates are checked at all public livestock sales. These are the strictest rules to date in the U.S. and several states have expressed interest in modeling their rules after these.

This year, the department is pleased to announce that after five years of record-keeping and individual animal tracking, the Gredig family's flock of sheep in Basalt, Colorado has been certified under the USDA national voluntary scrapie flock certification program. The Gredig's flock joins just 17 other certified flocks in the nation.

Colorado has been a brucellosis-free state since January of 1995 and a pseudorabies-free state since April of 1996. Free status in both brucellosis and pseudorabies economically benefits producers because a lower level of testing is required; and livestock is more marketable to other states and countries. The section has established a Johne's disease certification advisory committee to assist with a producer-driven Johne's disease control and eventual eradication certification program.

To assure sanitation for disease control and clear labels, the Livestock Disease Section licenses and inspects establishments that process, handle and/or transport inedible meat products for pet foods.

Bureau of Animal Protection

In 1998-1999, the 111 commissioned officers working in the Bureau of Animal Protection investigated approximately 324 complaints of animal neglect and cruelty across the state. Brand inspectors, some law enforcement officials and non-profit humane association officials assist with investigations. The Bureau of Animal Protection also conducts training courses with the assistance of law enforcement officials.

Rocky Mountain Regional Animal Health Laboratory (RMRAHL)

The Rocky Mountain Regional Animal Health Laboratory (RMRAHL) provides accurate, timely, efficient laboratory services and logistical support to various regulatory programs and veterinary practitioners. The laboratory also provides a means of conducting animal disease diagnosis and surveillance activities that facilitate the movement and marketing of livestock.

In 1998-99, the RMRAHL performed approximately 205,000 tests for various livestock diseases. These tests assist in disease surveillance, animal health programs, and the qualification of livestock for intrastate, interstate, and international movement. Laboratory personnel also train livestock market veterinarians in test procedures and provide confirmatory tests.

Increasing importance is being placed on herd health, emergency preparedness, livestock pre-harvest practices, global trade, zoonotic diseases and food safety. The RMRAHL is currently positioned to provide laboratory support for these important issues.

In addition, to better serve its customers, RMRAHL has recently expanded its *mycobacterium paratuberculosis* (Johne's Disease) testing capabilities. Newly added Johne's assays are: serum/milk enzyme-linked immunosorbent assay (ELISA), agar gel immunodiffusion (AGID), complement-fixation (CF), culture, and polymerase chain

reaction (PCR). Also, three serological tests for vesicular stomatitis virus (Indiana and New Jersey strains) were added.

Rodent/Predator Control Section

According to the latest Colorado Agricultural Statistics *Vertebrate Rodent Infestation Survey*, 5.7 million acres of Colorado farm and ranch land 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 predator losses through cooperative agreements with federal, state and local agencies and associations.

Pet Animal Care Facilities Section

Since early 1995, any person who is operating a pet animal facility that engages in selling, transferring, adopting, breeding, boarding, training, grooming, sheltering or rescuing dogs, cats, birds, rabbits, ferrets, reptiles or fish may need to be licensed with the Colorado Department of Agriculture.

The Pet Animal Care Facilities Act (PACFA) gives the Colorado Department of Agriculture the responsibility to inspect, license and discipline all pet care facilities with more than 24 pets. The Pet Animal Care Facilities Section is committed to making sure care facilities meet minimum standards for physical facilities, sanitation, ventilation, lighting, heating, cooling, humidity, space and enclosure requirements; nutrition, humane care, medical treatment; and methods of operation and record keeping. PACFA is funded by license fees. In 1998-99, Pet Care Facilities staff completed over 1,300 inspections, issued 1,170 licenses and denied five licenses. They also issued several cease and desist orders and levied several fines and penalties.

Colorado State Fair Ed Kruse, Manager

Increases in attendance, concert ticket sales, carnival rides, concession income, and commercial booth space all helped to make the 126th annual Colorado State Fair a great success. The fair's annual livestock auction, benefiting 4-H and FFA youth, set a record by grossing over \$250,000 to help with education costs for these most deserving future agriculture industry leaders.

To further enhance the educational youth activities at the fair, organizers have rearranged the youth livestock show schedule. This new schedule makes exhibiting at the fair easier and minimizes conflicts with school activities. With all of the market animal exhibits and the 4-H horse show on the grounds, there will be a strong opening weekend and a great youth event.

The 1999 Colorado State Fair will run from August 21st - September 6th with a top-draw concert series in the events center, eight rodeo performances in the grandstand, monster truck shows, horse shows, livestock shows, the junior livestock sale and the annual Fiesta Day celebration.

Summer events at the fair include horse shows, the Avion Travelcade, monster truck shows, the Rocky Mountain Street Rod Nationals, and WCW Wrestling! The event center also hosts annual graduation ceremonies for the Pueblo area Community College, University and Public School District.

HOW TO CONTACT

COLORADO DEPARTMENT OF AGRICULTURE

(All Telephone numbers are Area Code 303 except where noted)

Office of the Commissioner 700 Kipling Street, Suite 4000, Lakewood, CO 80215	
Commissioner of Agriculture, Don Ament	239-4100
Public Information	239-4190
Resource Analysis	239-4112
Administrative Services	239-4126
Human Resources	239-4108
Division of Animal Industry	
700 Kipling Street, Suite 1000, Lakewood, CO 80215	000 41 61
State Veterinarian, Dr. Jerry Bonlender	239-4161
Bureau of Animal Protection	239-4158
Rodent/Predator Control Section	239-4157
Pet Animal Care Facilities	239-4116
Division of Stock Inspection	
4701 Marian Street, Suite 201, Danvar, CO 80216	
Prend Commissioner, L.C. Shoun	201 0005
Brand Commissioner, J. G. Snoun	294-0893
Division of Markets	
700 Kinling Street Suite 4000 Lakewood CO 80215	
Director Jim Rubingh	239-4114
Livestock Market News (Greelev) (070)	252-9750
Ervit & Vegetable Market News	201-7623
	294-7023
Division of Inspection and Consumer Services	
2331 West 31st. Avenue. Denver. CO 80211	
Director, Ronald Turner	477-0076
Technical Services Section	477-0086
Farm Products Section	477-0054
Fruit & Vegetable Section	477-0076
Measurement Standards	+//-00/0
3125 Wyandot St. Denver CO 80211	477-4220
5125 Wyandot St., Denver, CO 60211	111 1220
Division of Plant Industry	
700 Kipling Street, Suite 4000, Lakewood, CO 80215	
Director, John Gerhardt	239-4140
Plant and Insect Section	239-4142
Pesticide Section	239-4145
Biological Pest Control (Insectary)	
P.O. Box 400, Palisade, CO 81526 (970)	464-7916

INDEX

Acreage:

By cropping practice 14, 15, 16 Harvested, Principal crops 7, 19 Planted, Principal crops 7, 19 See also - Specific crops

Annual Report

Colorado Department of Agriculture 107

Apples:

Cash receipts 85 Prices 75, 86 Production 74, 75 Value 74, 75

Barley:

Acreage 7, 9, 14, 19, 34-37 Cash receipts 85 County estimates 34-37 District estimates 34-37 Monthly marketing percents 73 Prices 9, 19, 86, 87 Production 9, 14, 19, 34-37 Stocks 68 Value 9, 19 Varieties 71 Yield 9, 14, 19, 34-37

Beans, dry edible:

Acreage 7, 9, 15, 19, 50-54 Cash receipts 85 County estimates 50-54 District estimates 50-54 Monthly marketing percents 73 Prices 9, 19, 86, 88 Production 9, 15, 19, 50-54 Value 9, 19 Yield 9, 15, 19, 50-54

Beef cattle:

Inventory 93, 94 Prices 86, 89

Bees: 106

Cabbage:

Acreage 77 Cash receipts 85 Prices 77, 86 Production 76, 77 Value 76, 77 Yield 77

Cantaloupe:

Acreage 77 Cash receipts 85 Prices 77, 86 Carrots: Acreage 77 Cash receipts 85 Prices 77, 86 Production 76, 77 Value 76, 77 Yield 77

Production 76, 77

Value 76, 77

Yield 77

Cash receipts: 83-85

Cattle and calves:

Calf crop 93, 98 Cash receipts 85, 98 Disposition 98 Inshipments 98 Inventory by class 93, 94 Inventory, state 93, 94, 106 Marketings 98 On feed by class 101 On feed by month 100, 101 Placements by weight group 101 Prices 86, 89 Production 98 Slaughter 98, 99 Value 98, 106

Cheese: 103

Cherries, tart: Prices 75, 86 Production 74, 75 Value 74, 75

Chickens:

Inventory 93, 104 Hens and pullets 93, 104 Number lost 105 Number sold 105 Prices 86, 104, 105 Value 104, 105

Corn, all: 7, 9, 19

Corn, grain: Acreage 9, 15, 19, 28-31 Cash receipts 85 County estimates 28-31 District estimates 28-31 Monthly marketing percents 73 Prices 9, 19, 86, 87 Production 9, 15, 19 Stocks 69 Value 9, 19 Yield 9, 15, 19, 28-31

Corn, silage:

Acreage 9, 19, 32-33 County estimates 32-33 District estimates 32-33 Prices 9, 19, 86 Production 9, 19, 32-33 Value 9, 19 Yield 9, 19, 32-33

County and district estimates:

Barley 34-37 Corn, grain 28-31 Corn, silage 32-33 Dry beans 50-54 Hay crops 56-67 Oats 38-41 Potatoes 55 Sorghum, grain 42-45 Sugar beets 49 Sunflowers 46-48 Wheat, spring 24-27 Wheat, winter 20-23

Cows:

Beef cow inventory 93, 94 Milk cow inventory 93, 94, 102 Number on feed 101 Prices 86, 89, 90

Cream: 103

Crops:

Acreage 7 Cash receipts 83-85 County estimates 20-67 District estimates 20-67 Monthly marketing percents 73 Planting and harvesting dates 79 Prices 19, 86-88 Review 17 Value of production 8-13, 19 See also - Specific crop

Cucumbers:

Acreage 77 Cash receipts 85 Prices 77, 86 Production 76, 77 Value 76, 77 Yield 77

Dairy:

Cash receipts 85, 103 Manufactured products 103 Milk disposition 103 Milk prices 86, 90, 103 Milk production 102

Eggs:

Cash receipts 85 Prices 86, 105 Production 105

Expenses, farm production: 83

Farms and land in farms: 6

Farm income: 83

Feedlots: 97

Floriculture: 80, 81, 85

Fruit crops: 74, 75, 79, 85, 86

Government transactions 83

Grain stocks: Barley 68 Corn, grain 69 Hay 70 Oats 68 Sorghum 69 Wheat 68

Hay crops:

Acreage 7, 12, 16, 19, 56-67 Cash receipts 85 County estimates 56-67 District estimates 56-67 Monthly marketing percents 73 Prices 12, 19, 86, 88 Production 12, 16, 19, 56-67 Stocks 70 Value 12, 19 Yield 12, 16, 19, 56-67

Hogs and pigs:

Cash receipts 85, 98 Disposition 98 Inventory by class 93, 96 Inventory, state 93, 96 Marketings 98 Pig crop 96, 98 Prices 86 Production 98 Slaughter 98, 99 Sows farrowed 93, 97 Value 98, 106

Honey:

Cash receipts 85 Prices 106 Production 106 Stocks 106

Ice cream: 103

Lambs:

Inventory 93 Lamb crop 93, 98 Marketings 98 Number on feed 93 Prices 86, 90

Land in farms: 6

Lettuce:

Acreage 77 Cash receipts 85 Prices 77, 86 Production 76, 77 Value 76, 77 Yield 77

Livestock:

Cash receipts 83-85, 98 Disposition 98 Inshipments 98 Inventory by class 93-96 Operations by specie 6 Prices 86, 89, 90 Production and disposition 98 Review 91, 92 Slaughter 98, 99 Value 106 See also - Individual species

Milk:

Cash receipts 85, 103 Disposition 103 Manufactured products 103 Prices 86, 90, 103 Production 102 Value 103

Monthly marketing percents: 73

Oats:

Acreage 7, 10, 15, 19, 38-41 Cash receipts 85 County estimates 38-41 District estimates 38-41 Prices 10, 19, 86 Production 10, 15, 19, 38-41 Stocks 68 Value 10, 19 Yield 10, 15, 19, 38-41

Onions:

Acreage 78 Cash receipts 85 Prices 78, 86 Production 76, 78 Value 76, 78 Yield 78

Peaches:

Cash receipts 85 Prices 75, 86 Production 74, 75 Value 74, 75

Pears:

Cash receipts 85 Prices 75, 86 Production 74, 75 Value 74, 75

Potatoes:

Acreage 7, 11, 19, 55 Cash receipts 85 County estimates 55 Disposition 55 Prices 11, 19, 86, 88 Production 11, 19, 55 Stocks 55 Value 11, 19 Yield 11, 19, 55

Poultry:

Cash receipts 85 Inventory 104, 105

Precipitation: 82

Prices received: 86-90

Rye:

Acreage 7, 10, 19 Prices 10, 19, 86 Production 10, 19 Yield 10, 19 Value 10, 19

Sheep and lambs:

Cash receipts 85, 98 Disposition 98 Inshipments 98 Inventory by class 93, 95 Inventory, state 93, 95 Lamb crop 93, 98 Market sheep and lambs 93, 95 Marketings 98 Number shorn 97 Prices 86, 90 Production 98 Slaughter 98, 99 Value 98, 106 Sorghum, all: 7, 10, 19

Sorghum, grain:

Acreage 10, 15, 19, 42-45 Cash receipts 85 County estimates 42-45 District estimates 42-45 Prices 10, 19, 86, 87 Production 10, 15, 19, 42-45 Stocks 69 Value 10, 19 Yield 10, 15, 19, 42-45

Sorghum, silage:

Acreage 10, 19 Prices 10, 19, 86 Production 10, 19 Value 10, 19 Yield 10, 19

Spinach:

Acreage 78 Cash receipts 85 Prices 78, 86 Production 76, 78 Value 76, 78 Yield 78

Sugar beets:

Acreage 7, 11, 19 Cash receipts 85 County estimates 49 District estimates 49 Prices 11, 19, 86 Production 11, 19, 49 Value 11, 19 Yield 11, 19, 49

Sunflowers:

Acreage 7, 13, 19, 46-48 County estimates 46-48 District estimates 46-48 Prices 13, 19, 86 Production 13, 19, 46-48 Value 13, 19 Yield 13, 19, 46-48

Sweet corn:

Acreage 78 Cash receipts 85 Prices 78, 86 Production 76, 78 Value 76, 78 Yield 78

Tomatoes:

Acreage 78 Cash receipts 85 Prices 78, 86 Production 78 Value 78 Yield 78

Trout: 106

Vegetable crops: 76-78, 79, 85, 86

Weather summary: 18

Wheat, all: Acreage 7, 8, 14, 19

Cash receipts 85 Monthly marketing percents 73 Prices 8, 19, 86, 87 Production 8, 14, 19 Stocks 68 Value 8, 19 Yield 8, 14, 19

Wheat, spring:

Acreage 8, 14, 19, 24-27 County estimates 24-27 District estimates 24-27 Prices 8, 19, 86 Production 8, 14, 19, 24-27 Value 8, 19 Yield 8, 14, 19, 24-27

Wheat, winter:

Acreage 8, 14, 19, 20-23 County estimates 20-23 District estimates 20-23 Prices 8, 19, 86 Production 8, 14, 19, 20-23 Value 8, 19 Varieties 71, 72 Yield 8, 14, 19, 20-23

Wool:

Cash receipts 85 Prices 86, 97 Production 97 Value 97 Weight per fleece 97

RECEIVED

JUL 27 1999

STATE PUBLICATIONS Colorado State Library





RECEIVED

ETINE COLORS