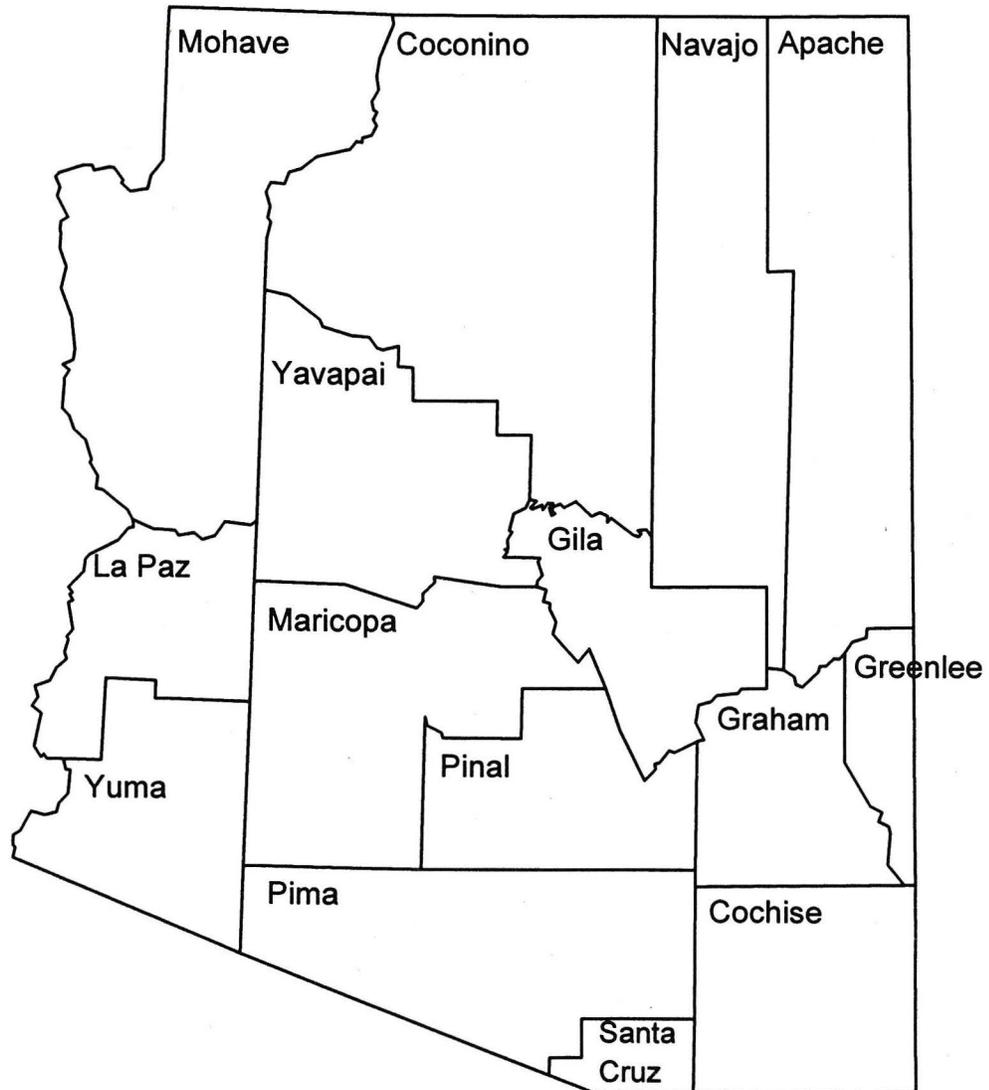


*1999 ARIZONA AGRICULTURAL STATISTICS*

*Issued July 2000*

## Arizona Counties and Agricultural Statistics Districts



The cover photograph:

Photo courtesy of the Arizona Department of Agriculture



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## PREFACE

Arizona agriculture is in a state of transition. Change has always been a part of the state's agricultural production and marketing system, but probably never at the rate we are seeing today. For the past two years, growers have faced drought conditions, high production costs and low commodity prices. From the other side of the issue, pressures are felt from record state population growth, driving up demand for both water and land. Maricopa County, once one of the leading agricultural counties in the US, has experienced a 40 percent population increase in a decade, resulting in record high land values. Other rural/urban interface areas have had similar growth. Growers are often left with the choice of continuing to farm at a loss or selling the land at a very tempting price.

On the other side of the transition coin, the state's agriculture has grown in some important areas. High value crops such as fresh vegetables are increasingly important, as are high volume dairies and greenhouse production. Organically produced foods and even cotton are finding a market around the world and may offer opportunities for some of the state's producers.

We appreciate the stresses and strains associated with the tough economic decisions being made by the state's farmers and ranchers. We trust that the information contained in the thirty-fifth issue of **Arizona Agricultural Statistics** will be helpful by shedding light on the decision making process. We are keenly aware of the importance of good information and have made every effort to assure the quality of the figures we publish. This edition of our annual publication continues the long-standing joint effort of the University of Arizona College of Agriculture and the Arizona Agricultural Statistics Service. We would like to acknowledge the support of farmers, ranchers and agribusinesses across the state for supplying most of the numbers in this publication. We also want to acknowledge the support of the Arizona Department of Agriculture, farm organizations and grower associations for their support.

We are proud to be able to offer most of the information contained in this publication on the Internet. We invite you to visit; <http://ag.arizona.edu>, [www.usda.gov/nass/](http://www.usda.gov/nass/) and the Arizona Department of Agriculture site at <http://agriculture.state.az.us>.

  
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## Cash Receipts

Cash receipts are computed as marketing volume multiplied by the price and are usually reported on a **calendar-year** basis. Marketings come from current production or storage of past year's crop (assuming a crop is storable, such as potatoes). Thus, the quantity available for sale (marketings), can be thought of as coming from current production less shrinkage and the amount used on farms for food, feed, and seed plus change in stored quantity (inventory). On the other hand,

value of production, which is generally reported as a **crop-year** statistic, is computed as production multiplied by the average price. The difference between value of production and cash receipts is usually only important to those commodities which can be stored and thus have a specific marketing pattern which extends through time from the date of harvest.

### Cash Receipts: All Commodities 1/

Commodity	1994	1995	1996	1997	1998
	-----1,000 Dollars-----				
Cotton lint, all	308,085	265,130	298,277	253,469	269,834
Cottonseed	34,359	32,835	40,566	34,342	35,229
Hay	63,545	51,742	58,126	84,264	73,985
Wheat	45,363	47,686	81,173	30,638	43,107
Barley	5,276	3,806	15,987	13,341	11,058
Corn	4,728	8,160	15,041	16,186	10,158
Potatoes	12,003	13,127	24,684	14,700	15,371
Head lettuce	149,514	370,264	219,175	204,466	306,327
Leaf lettuce	20,539	70,704	51,876	49,706	39,690
Romaine lettuce	15,004	48,051	34,632	51,168	63,798
Onions	5,308	5,331	6,505	9,403	17,978
Cauliflower	22,984	28,920	25,410	25,896	37,510
Broccoli	21,817	36,232	24,672	48,400	49,225
Carrots	3,604	9,205	7,925	8,818	7,813
Honeydews	8,247	13,882	11,111	13,283	11,856
Cantaloups	43,877	61,104	84,677	86,669	68,913
Watermelons	11,805	20,520	15,444	17,343	17,520
Misc. vegetables	45,563	41,496	56,257	90,815	102,773
Grapefruit	4,836	7,701	4,354	2,468	3,428
Oranges	8,216	7,565	7,568	5,849	5,446
Lemons	37,660	39,035	31,686	21,893	40,190
Tangerines	11,837	8,452	10,992	8,920	6,276
Apples	4,621	782	12,432	4,724	6,645
Grapes	24,430	23,314	20,063	14,694	17,276
Peanuts	750	499	528	353	425
Misc. fruits & nuts	5,303	5,997	9,179	7,106	4,270
All other crops	128,452	123,239	134,266	155,447	157,053
<b>Crops</b>	<b>1,049,720</b>	<b>1,346,774</b>	<b>1,304,602</b>	<b>1,276,358</b>	<b>1,425,152</b>
Cattle and calves	446,060	430,450	384,228	441,403	455,225
Hogs	22,140	29,329	35,139	45,659	22,977
Sheep and lambs	11,048	8,062	9,246	10,092	5,829
Dairy products	278,506	284,288	357,280	344,890	389,528
Poultry/eggs	3,602	4,104	4,182	3,497	4,335
Honey	1,595	2,670	1,632	2,419	2,112
Horses/Mules	NA	NA	NA	14,000	15,000
Other livestock	42,271	50,676	49,764	46,014	49,457
<b>Livestock and products</b>	<b>804,292</b>	<b>807,772</b>	<b>840,532</b>	<b>906,274</b>	<b>942,921</b>
<b>All commodities</b>	<b>1,854,012</b>	<b>2,154,546</b>	<b>2,145,134</b>	<b>2,182,632</b>	<b>2,368,073</b>
<b>Gov't Payments</b>	<b>72,125</b>	<b>9,456</b>	<b>57,283</b>	<b>46,575</b>	<b>78,987</b>
<b>Total Cash</b>	<b>1,926,137</b>	<b>2,164,002</b>	<b>2,202,417</b>	<b>2,229,207</b>	<b>2,447,060</b>

1/ Includes miscellaneous field crops, seed crops, and greenhouse/nursery. Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

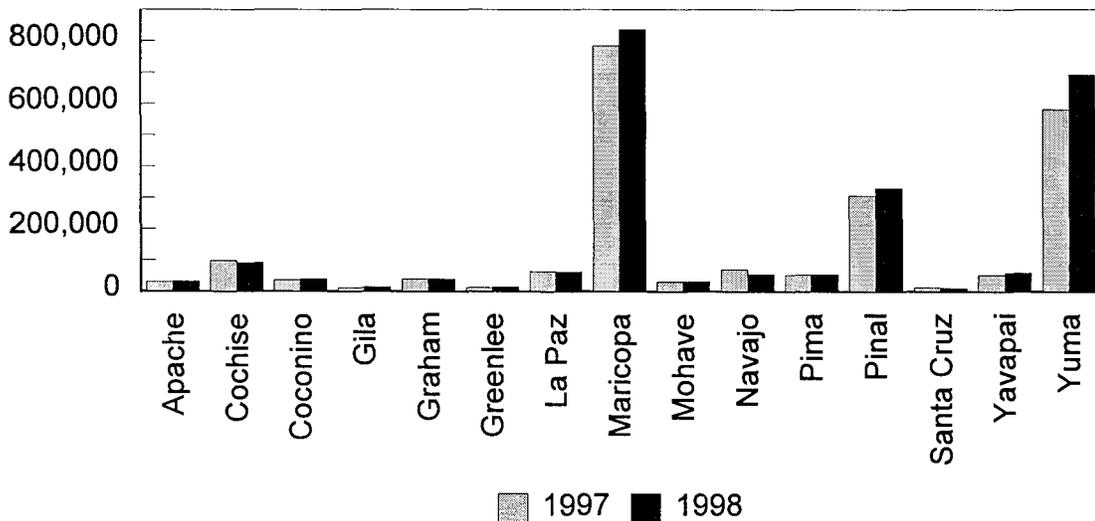
## Cash Receipts: All Farm Commodities by County

County	-----1997-----			-----1998-----		
	Crops	Livestock	All	Crops	Livestock	All
	----- 1,000 Dollars -----					
Apache	721	29,718	30,439	673	31,739	32,412
Cochise	44,766	53,710	98,476	41,818	50,169	91,987
Coconino	1,717	34,550	36,267	1,906	38,958	40,864
Gila	805	11,824	12,629	884	12,805	13,689
Graham	23,185	16,301	39,486	23,210	17,481	40,691
Greenlee	3,793	8,601	12,394	3,797	10,070	13,867
La Paz	61,131	3,028	64,159	60,406	2,233	62,639
Maricopa	413,982	370,777	784,759	438,371	397,437	835,808
Mohave	11,073	19,660	30,733	11,103	20,973	32,076
Navajo	1,817	67,565	69,382	1,770	53,529	55,299
Pima	22,590	30,856	53,446	24,663	29,919	54,582
Pinal	178,609	126,753	305,362	186,327	143,287	329,614
Santa Cruz	1,207	11,258	12,465	1,300	10,273	11,573
Yavapai	2,721	49,444	52,165	2,988	57,412	60,400
Yuma	508,243	72,229	580,472	625,935	66,636	692,571
Arizona 1/	1,276,358	906,274	2,182,632	1,425,152	942,921	2,368,073

1/ Total may not add due to rounding.

### Arizona Cash Receipts by County 1997-1998

(000) Dollars



## Farm Income Indicators

Item 1/	1993	1994	1995	1996	1997	1998
	----- 1,000 Dollars -----					
<b>Final crop output</b>	1,036,300	1,017,833	1,426,925	1,318,932	1,335,663	1,347,830
Food grains	28,156	45,363	47,686	81,173	30,638	43,107
Feed crops	74,526	87,959	78,044	113,169	134,182	114,447
Cotton	286,947	342,444	297,965	338,843	287,811	305,063
Oil crops	5,952	7,033	4,402	4,197	3,571	3,251
Fruits and tree nuts	130,963	119,103	112,996	106,814	88,779	104,201
Vegetables	430,388	361,539	718,880	568,038	625,851	738,774
All other crops	80,059	86,279	86,801	92,368	105,526	116,309
Home consumption	532	532	532	539	539	539
Value of inventory adjustment 2/	(1,223)	(32,419)	79,619	13,791	58,766	(77,860)
<b>Final animal output</b>	909,618	793,761	801,785	817,644	930,242	937,631
Meat animals	621,194	479,248	467,841	428,613	497,154	484,031
Dairy products	244,970	278,506	284,288	357,280	344,890	389,528
Poultry and eggs	3,952	3,602	4,104	4,182	3,497	4,335
Miscellaneous livestock	45,091	42,936	51,539	50,457	60,733	65,027
Home consumption	4,172	4,225	4,056	3,787	4,238	3,334
Value of inventory adjustment 2/	(9,761)	(14,756)	(10,043)	(26,675)	19,730	(8,624)
<b>Services and forestry</b>	120,453	131,682	148,156	161,864	166,070	207,735
Machine hire and custom work	12,715	14,723	14,291	16,650	20,967	19,349
Forest products sold	8,900	11,651	7,143	9,072	8,849	8,225
Other farm income	43,404	38,423	54,131	69,222	65,615	102,410
Gross imputed rental value of farm dwellings	55,434	66,885	72,591	66,920	70,639	77,751
<b>Final agricultural sector output</b>	2,066,372	1,943,276	2,376,866	2,298,440	2,431,975	2,493,196
<b>Less: Intermediate consumption outlays</b>	996,198	1,065,220	1,136,173	1,143,851	1,282,536	1,237,006
<b>Farm origin</b>	411,980	383,307	391,295	383,008	454,885	402,679
Feed purchased	136,430	161,873	191,780	210,802	232,753	198,354
Livestock and poultry purchased	245,798	183,994	161,283	127,426	170,029	155,038
Seed purchased	29,752	37,440	38,232	44,780	52,103	49,287
<b>Manufactured inputs</b>	177,928	211,561	219,183	242,461	239,272	241,278
Fertilizers and lime	48,153	62,438	66,318	73,092	77,114	76,020
Pesticides	63,804	70,877	70,628	72,810	76,238	83,499
Petroleum fuel and oils	37,954	42,761	43,426	51,314	54,431	48,882
Electricity	28,017	35,485	38,811	45,245	31,489	32,877
<b>Other intermediate expenses</b>	406,290	470,352	525,695	518,382	588,379	593,049
Repair and maintenance of capital items	49,673	72,006	76,929	86,563	84,369	77,760
Machine hire and custom work	101,343	107,563	128,885	110,145	115,919	130,844
Marketing, storage, and transportation expenses	53,047	54,493	64,237	57,711	80,762	78,489
Contract labor	35,592	31,486	45,299	52,760	55,648	50,322
Miscellaneous expenses	166,635	204,804	210,345	211,203	251,681	255,634
<b>Plus: Net government transactions</b>	82,760	36,986	(27,956)	18,583	6,944	37,007
+ Direct Government payments	113,878	72,125	9,456	57,283	46,575	78,987
- Motor vehicle registration and licensing fees	2,146	2,792	2,347	2,606	2,718	3,099
- Property taxes	28,972	32,347	35,065	36,094	36,913	38,881
<b>Gross value added</b>	1,152,934	915,042	1,212,737	1,173,172	1,156,384	1,293,197
<b>Less: Capital consumption</b>	78,476	108,955	139,501	142,261	144,171	137,288
<b>Net value added</b>	1,074,458	806,087	1,073,236	1,030,911	1,012,213	1,155,909
<b>Less: Factor payments</b>	296,879	373,017	401,672	402,774	445,163	455,706
Employee compensation (total hired labor)	182,459	244,799	262,593	268,184	301,419	304,805
Net rent received by non-operator landlords	26,860	29,616	32,634	40,411	46,476	46,897
Real estate and non-real estate interest	87,560	98,602	106,445	94,179	97,268	104,004
<b>Net farm income</b>	777,579	433,070	671,564	628,137	567,050	700,203

1/ Final sector output is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production. Net farm income is the farm operators' share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

2/ A positive value of inventory change represents current-year production not sold by December 1. A negative value is an offset to production from prior years included in current-year sales.

## Government Payments

Type of Program	1996 1/	1997 1/	1998 1/
	----- 1,000 Dollars -----		
Feed Grain 2/	17	(139)	(19)
Wheat 2/	(1,166)	(59)	(3)
Cotton 2/	(7,082)	(933)	(63)
Wool Act 2/	523	(7)	0
Production Flexibility Contracts	55,607	41,291	45,121
Loan Deficiency Payments	(16)	0	4,709
Conservation 3/	1,422	793	287
Miscellaneous	7,978 4/	5,630 4/	28,955 5/
<b>Total</b>	<b>57,283</b>	<b>46,575</b>	<b>78,987</b>

1/ Amounts include only cash payments made directly to farmers.

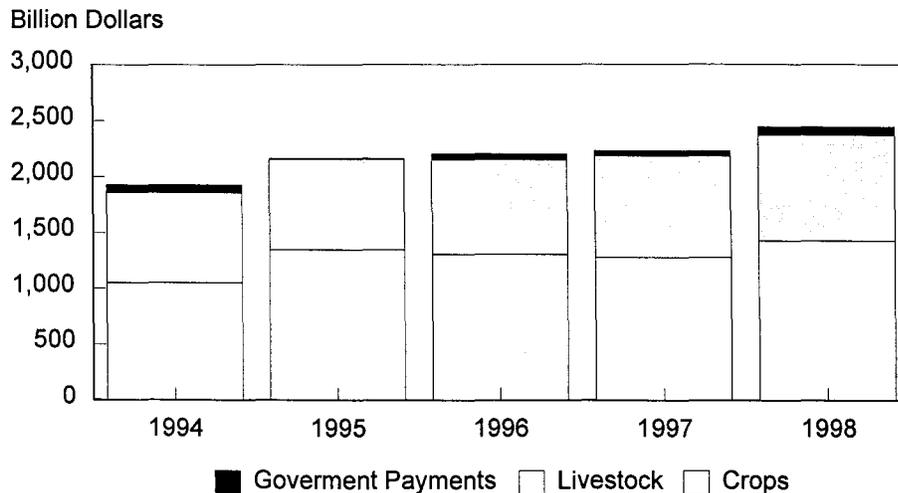
2/ These are "Commodity programs in effect prior to the 1996 Farm Bill" and represent financial transactions based upon activity initiated under commodity programs that were replaced by "Production Flexibility Payments" in mid-1996. The negative numbers are repayments by farmers of unanticipated overpayments under the earlier programs.

3/ Includes amount paid under agriculture and conservation programs (Conservation Reserve, Agricultural Conservation, Emergency Conservation, and Great Plains Program).

4/ Programs included are Options Pilot, 90-day Rule, Potato Diversion, Forestry Incentive, Dairy Indemnity, Extended Warehouse Storage, Extended Farm Storage, Livestock Emergency Assistance, Rural Clean Water, Interest Payments, Disaster, Milk Marketing Fee, Non-insured Assistance, Karnal Bunt Fungus, Disaster Reserve, Environmental Quality Incentives, Colorado River Salinity, and Wetlands Reserve.

5/ Programs included are Market Loss payments of \$2.8 billion funded by the Omnibus Supplemental Appropriations of FY1999, Forestry Incentive, Dairy Indemnity, Extended Warehouse Storage, Extended Farm Storage, Livestock Emergency Assistance, Interest Payments, Disaster, Milk Marketing Fee, Additional Interest, Non-insured Assistance, Karnal Bunt Fungus, Disaster Reserve, Environmental Quality Incentives, Colorado River Incentive, Wetlands Reserve and Dairy Disaster Assistance.

## Arizona Cash Receipts 1994-1998



## Farm Business Balance Sheet

Item	1993	1994	1995	1996	1997	1998
	----- Numbers -----					
<b>Farms</b>	7,800	7,800	7,800	7,900	7,900	7,900
	----- 1,000 Dollars -----					
<b>Farm assets</b>	23,032,690	23,723,458	24,754,734	25,843,814	27,808,227	28,662,279
Real estate	21,811,625	22,483,895	23,554,557	24,625,218	26,418,576	27,301,872
Livestock and poultry 1/	557,145	533,166	477,132	485,700	569,360	536,495
Machinery and motor vehicles 2/	379,556	385,005	389,588	397,637	397,228	395,487
Crops 3/	30,320	44,345	66,278	44,676	87,898	94,951
Purchased inputs	35,828	46,805	30,643	38,667	45,322	46,616
Financial	218,216	230,242	236,536	251,916	289,843	286,858
<b>Farm debt 4/</b>	1,211,845	1,241,092	1,208,648	1,257,415	1,346,705	1,397,765
Real estate	493,517	471,014	483,674	478,186	520,391	539,569
Farm Credit System	89,780	80,499	88,828	109,372	140,562	153,585
Farm Service Agency 5/	44,714	47,583	38,219	34,358	32,092	28,320
Commercial banks	34,732	40,168	58,817	49,017	53,153	57,214
Life insurance companies	185,900	157,350	148,508	132,248	137,507	144,928
Individuals and others	138,392	145,414	149,301	153,190	157,078	155,522
CCC storage & drying loans	0	0	0	0	0	0
<b>Non-real estate</b>	718,328	770,078	724,974	779,229	826,314	858,196
Farm Credit System	98,964	104,124	129,967	139,729	144,049	160,458
Farm Service Agency 5/	89,395	86,113	67,062	46,706	39,377	34,042
Commercial banks	353,991	391,726	327,694	376,764	409,867	420,967
Individuals and others	175,979	188,115	200,251	216,029	233,020	242,729
<b>Equity</b>	21,820,845	22,482,366	23,546,086	24,586,399	26,461,522	27,264,514
	----- Percent -----					
<b>Ratio:</b>						
Debt/equity	5.6	5.5	5.1	5.1	5.1	5.1
Debt/assets	5.3	5.2	4.9	4.9	4.8	4.9

1/ Excludes horses, mules, and broilers.

2/ Includes only farm share value for trucks and autos.

3/ All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.

4/ Excludes debt for non-farm purposes.

5/ Farmers Home Administration prior to 1994.

## Farm Numbers and Land in Farms

Year	Number of Farms in Operation		Average Farm Size 1/	Year	Number of Farms in Operation		Average Farm Size
	Land in Farms 1/		Acres		Land in Farms		Acres
	(000) Acres		Acres		(000) Acres		Acres
1910	9,200			1955	9,700	44,600	4,598
1911	9,300			1956	9,400	45,000	4,787
1912	9,400			1957	9,100	45,000	4,945
1913	9,500			1958	8,800	45,000	5,114
1914	9,500			1959	8,500	44,800	5,271
1915	9,600			1960	8,200	44,600	5,439
1916	9,600			1961	7,900	44,400	5,620
1917	9,700			1962	7,600	44,200	5,816
1918	9,800			1963	7,300	44,000	6,027
1919	9,800			1964	7,000	43,800	6,257
1920	10,000			1965	6,800	43,700	6,426
1921	10,000			1966	6,700	43,100	6,433
1922	10,200			1967	6,600	42,500	6,439
1923	10,500			1968	6,500	41,900	6,446
1924	10,600			1969	6,400	41,300	6,453
1925	10,800			1970	6,300	41,300	6,556
1926	11,500			1971	6,200	41,200	6,645
1927	12,200			1972	6,200	41,200	6,645
1928	13,000			1973	6,300	41,100	6,524
1929	13,600			1974	6,500	41,100	6,323
1930	14,200			1975	6,300	40,000	6,349
1931	14,200			1976	6,400	39,800	6,219
1932	14,200			1977	6,600	39,200	5,939
1933	14,300			1978	6,700	39,100	5,836
1934	14,300			1979	7,100	38,500	5,423
1935	14,300			1980	7,500	38,100	5,080
1936	14,200			1981	7,800	37,800	4,846
1937	14,100			1982	8,000	37,500	4,688
1938	14,000			1983	8,200	37,500	4,573
1939	13,800			1984	8,300	37,500	4,518
1940	13,700			1985	8,500	37,500	4,412
1941	13,600			1986	8,600	37,200	4,326
1942	13,500			1987	8,400	37,000	4,405
1943	13,500			1988	8,100	36,500	4,506
1944	13,500			1989	8,000	36,000	4,500
1945	13,500			1990	7,800	36,200	4,641
1946	13,200			1991	7,600	35,800	4,711
1947	12,900			1992	7,500	35,600	4,747
1948	12,500			1993	7,800	28,300	3,628
1949	12,000			1994	7,800	28,300	3,628
1950	11,400	42,500	3,728	1995	7,800	28,300	3,628
1951	11,000	42,800	3,891	1996	7,900	28,300	3,582
1952	10,700	43,200	4,037	1997	7,900	28,300	3,582
1953	10,300	43,600	4,233	1998	7,800	28,100	3,603
1954	10,000	44,200	4,420	1999	7,700	27,500	3,571

1/ Not available before 1950.

## Census Farm Numbers and Land in Farms by County

County	Number of Farms in Operation				Land in Farms			
	1982	1987	1992	1997	1982	1987	1992	1997
	Number				Acres			
Apache	296	380	332	288	6,231,914	5,779,528	5,785,707	1/
Cochise	785	836	831	824	2,071,868	2,077,793	1,891,644	1,260,021
Coconino	232	294	285	199	5,934,411	5,905,699	5,989,961	6,209,424
Gila	163	157	143	148	1,151,510	1,189,175	1,151,284	1/
Graham	308	323	317	281	1,927,687	1,852,684	1,846,497	1,244,760
Greenlee	121	102	107	99	141,595	139,840	137,834	29,406
La Paz	2/	109	101	97	2/	226,954	246,038	278,854
Maricopa	2,403	2,334	1,856	1,643	1,429,539	1,391,456	729,947	708,656
Mohave	223	236	212	212	2,270,298	1,906,756	1,981,938	997,171
Navajo	331	376	375	310	7,313,958	7,687,460	7,229,585	3,902,552
Pima	539	520	448	419	3,476,555	3,194,736	3,472,248	2,913,607
Pinal	605	730	611	541	2,403,901	1,958,489	1,902,452	1,303,431
Santa Cruz	133	179	164	156	379,985	346,266	334,284	265,285
Yavapai	474	484	463	453	2,508,888	2,358,559	2,108,834	771,632
Yuma	721	609	528	465	510,425	272,399	229,365	237,742

1/ Not reported to avoid disclosing individual operations.

2/ LaPaz county did not exist for the 1982 Census.

## Livestock Summary: Inventory and Value

	Inventory 1/ Value 2/		Inventory 1/ Value 2/		Inventory 1/ Value 2/		Inventory 1/ Value 2/	
	-----1994-----		-----1995-----		-----1996-----		-----1997-----	
	1,000 Head	1,000 Dollars	1,000 Head	1,000 Dollars	1,000 Head	1,000 Dollars	1,000 Head	1,000 Dollars
<b>Cattle and calves 3/</b>	870	530,700	850	510,000	850	459,000	810	469,800
Beef cows that have calved	259		243		232		218	
Milk cows that have calved	106		112		118		122	
Beef cow replacement heifers	41		40		43		34	
Milk cow replacement heifers	17		21		22		21	
Other heifers 500 lbs and over	19		25		22		30	
Steers 500 lbs and over	240		235		240		245	
Bulls 500 lbs and over	22		24		24		20	
Calves under 500 lbs	166		150		149		120	
Cattle on feed 4/	225		210		222		233	
<b>Hogs 5/</b>	140	12,040	170	10,370	125	10,000	150	15,000
Breeding hogs	17		18		15		20	
Market hogs	123		152		110		130	
Under 60 lbs	59		50		46		65	
60-119 lbs	24		36		24		24	
120-179 lbs	22		35		21		21	
180 lbs and over	18		31		19		20	
<b>Sheep and Lambs 3/</b>	220	18,040	170	14,620	160	15,360	150	15,000
Breeding sheep and lambs	130		97		90		75	
Ewes one year old and older	112		84		79		65	
Rams one year old and older	5		3		2		2	
Replacement lambs under one year old	13		10		9		8	
Market sheep and lambs	90		73		70		75	
Market lambs	6/		71		69		73	
Under 65 lbs	6/		19		28		14	
65-84 lbs	6/		21		8		4	
85-104 lbs	6/		28		31		45	
105 lbs and over	6/		3		2		10	
Market sheep	6/		2		1		2	
<b>Goats 3/</b>								
Angora goats	54	1,728	52	1,820	50	1,500	40	1,400

See footnotes at end of table

---Continued on next page

# Livestock Summary: Inventory and Value

--Continued

	Inventory 1/ -----1998-----	Value 2/ -----1998-----	Inventory 1/ -----1999-----	Value 2/ -----1999-----	Inventory 1/ -----2000-----	Value 2/ -----2000-----
	1,000 Head	1,000 Dollars	1,000 Head	1,000 Dollars	1,000 Head	1,000 Dollars
<b>Cattle and calves 3/</b>	820	541,200	810	518,400	840	579,600
Beef cows that have calved	220		218		200	
Milk cows that have calved	130		132		135	
Beef cow replacement heifers	38		40		39	
Milk cow replacement heifers	26		23		26	
Other heifers 500 lbs and over	26		34		23	
Steers 500 lbs and over	250		210		210	
Bulls 500 lbs and over	20		22		22	
Calves under 500 lbs	110		131		185	
Cattle on feed 4/	245		206		272	
<b>Hogs 5/</b>	145	12,760	115	5,520	140	10,920
Breeding hogs	15		17		19	
Market hogs	130		98		121	
Under 60 lbs	42		42		47	
60-119 lbs	33		21		25	
120-179 lbs	28		17		24	
180 lbs and over	27		18		25	
<b>Sheep and Lambs 3/</b>	140	15,400	140	12,460	155	14,880
Breeding sheep and lambs	73		68		66	
Ewes one year old and older	63		58		58	
Rams one year old and older	2		3		3	
Replacement lambs under one year old	8		7		5	
Market sheep and lambs	67		72		89	
Market lambs	66		71		88	
Under 65 lbs	16		14		12	
65-84 lbs	11		15		22	
85-104 lbs	36		13		26	
105 lbs and over	3		29		28	
Market sheep	1		1		1	
<b>Goats 3/</b>						
Angora goats	40	1,200	38	1,520	36	1,548

1/ Totals may not add due to rounding.

2/ Annual average published only for the total inventory number.

3/ Estimates are based on January 1 of the current year.

4/ Total cattle on feed included in other classes.

5/ Estimates are based on December 1 of the previous year.

6/ Not available for 1994.

## Livestock: Record Highs and Lows

	Date Series Began	Record	Unit	Quantity	Year 1/
<b>Cattle</b>					
Inventory January 1	1920	High	1,000 Head	1,620	1920
		Low		735	1929
Calves born	1924	High	1,000 Head	484	1924
		Low		265	1979
Beef cows January 1	1920	High	1,000 Head	819	1920
		Low		200	2000
Milk cows January 1	1870	High	1,000 Head	135	2000
		Low		1	1870
Cattle on feed January 1	1930	High	1,000 Head	655	1973
		Low		23	1930
<b>Hogs</b>					
Inventory December 1	1870	High	1,000 Head	175	1985
		Low		1	1871
<b>Sheep</b>					
Inventory January 1	1867	High	1,000 Head	1,420	1917
		Low		12	1867
Lamb crop	1924	High	1,000 Head	645	1926
		Low		45	2000
Marketings	1955	High	1,000 Head	393	1966
		Low		98	1999
Wool production	1909	High	1,000 Lbs	8,000	1917
		Low		750	1996
Weight per fleece	1909	High	Lbs	7.6	1950
		Low		5.8	1933
Mohair	1909 2/	High	1,000 Lbs	960	1931
		Low		88	1950
<b>Milk</b>					
Milk production	1924	High	Million Lbs	2,931	1999
		Low		157	1925
Milk production	1924	High	Lbs per cow	21,873	1999
		Low		4,750	1925

1/ The latest year a record was achieved. Some records were equaled in earlier years.

2/ Estimates were discontinued in 1971 and resumed in 1988.

## Cattle and Calves

Arizona's inventory of cattle and calves taken on January 1, 2000, was estimated at 840,000 head, up 30,000 head from the previous year. The 1999 calf crop of 280,000 was down 5,000 head from the 1998 calf crop. The value of Arizona cattle on January 1 was \$579.6, up 12 percent.

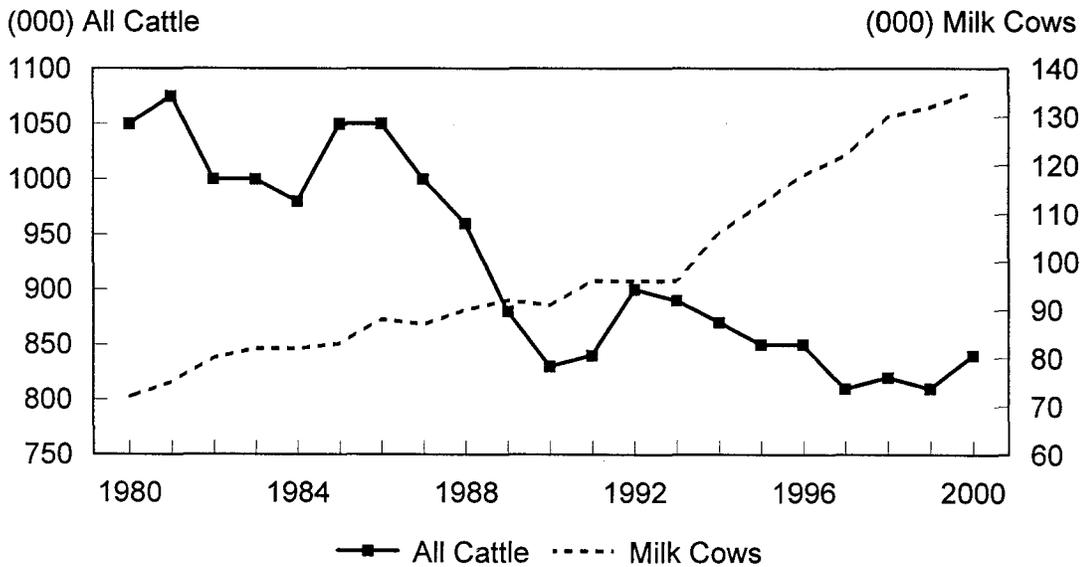
Monthly beef cattle prices varied by \$9.10 per hundredweight during 1999 from a low of \$60.30 in January to a high of \$69.40 in November. The marketing year average price for beef cattle increased \$4.10 per hundredweight to \$64.90. The annual average steer and heifer price increased \$3.50 to \$65.20 per hundredweight and the annual average calf price increased \$3.40 to \$85.40 per hundredweight. The annual average price for cows increased \$2.00 per hundredweight to \$34.10.

Cattle and calf marketings were up 8 percent to 795 million pounds and the gross income from these marketings increased 15 percent to \$524 million.

Arizona's feedlot operators marketed 290,000 head during 1999. Feedlot inventories ranged from 194,000 head on August 1 to 265,000 head on December 1.

Arizona's 19 livestock slaughtering establishments produced 358.6 million pounds of red meat during 1999, up 9 percent from the 1998 slaughter. Commercial cattle slaughter totaled 492,400 head, up 6 percent from 1998.

### Arizona Cattle Inventory January 1, 1980-2000



## All Cattle and Calves: Number of Operations and Inventory 1/

	-----January 1-----						
	1994	1995	1996	1997	1998	1999	2000
<b>Arizona</b>							
Operations (Number)	3,600	3,500	3,400	3,300	3,200	3,200	2/
Head (Thousand)	870.0	850.0	850.0	810.0	820.0	810.0	840.0
<b>United States</b>							
Operations (Number)	1,197,290	1,190,630	1,176,700	1,148,050	1,115,650	1,095,960	2/
Head (Thousand)	100,973.6	102,785.2	103,548.2	101,655.7	99,744.0	99,115.0	98,048.0

1/ An operation is any place having one or more head of the species on hand at any time during the year.

2/ Not available until January 2001.

## All Cattle and Calves: Number on Farms and Value

	-----January 1-----						
	1994	1995	1996	1997	1998	1999	2000
<b>All cattle and calves (1,000 Head)</b>	870	850	850	810	820	810	840
<b>Cows that have calved (1,000 Head)</b>							
Beef cows	259	243	232	218	220	218	200
Milk cows	106	112	118	122	130	132	135
<b>Heifers 500 pounds and over (1,000 Head)</b>							
Beef cow replacement	41	40	43	34	38	40	39
Milk cow replacement	17	21	22	21	26	23	26
Other heifers	19	25	22	30	26	34	23
<b>Steers 500 pounds and over (1,000 Head)</b>	240	235	240	245	250	210	210
<b>Bulls 500 pounds and over (1,000 Head)</b>	22	24	24	20	20	22	22
<b>Calves under 500 pounds (1,000 Head)</b>	166	150	149	120	110	131	185
<b>Value of all cattle and calves</b>							
Per head (Dollars)	610	600	540	580	660	640	690
Total (1,000 Dollars)	530,700	510,000	459,000	469,800	541,200	518,400	579,600

## All Cattle and Calves: Inventory, Supply, and Disposition

	1993	1994	1995	1996	1997	1998	1999	2000
Inventory January 1	890	870	850	850	810	820	810	840
Calf crop	300	300	295	285	285	285	280	3/
In-shipments	530	430	450	442	527	517	560	3/
<b>Marketings 1/</b>								
Cattle	683	550	580	585	601	637	667	3/
Calves	104	137	102	119	139	134	102	3/
Farm slaughter 2/	3	3	3	3	2	1	1	3/
<b>Deaths</b>								
Cattle	30	30	30	30	30	20	21	3/
Calves	30	30	30	30	30	20	19	3/

1/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes inter-farm sales within the state and farm slaughter.

2/ Excludes custom slaughter for farmers at commercial establishments.

3/ Not available until January 2001.

## All Cattle and Calves: Production and Income

	1993	1994	1995	1996	1997	1998	1999
Production (1,000 Lbs) 1/	547,010	459,546	498,121	450,478	467,026	477,277	534,928
Marketings (1,000 Lbs) 2/	805,580	666,840	704,820	674,340	697,540	735,740	795,050
<b>Average price per 100 Lbs (Dollars)</b>							
Cattle	72.20	65.20	60.40	56.90	62.10	60.80	64.90
Calves	96.60	88.90	74.20	58.50	83.40	82.00	85.40
Value of production (1,000 Dollars)	342,487	261,740	276,468	253,363	291,320	292,076	317,921
Cash receipts (1,000 Dollars) 3/	590,425	446,061	430,450	384,228	441,403	455,225	522,199
Value of home consumption (1,000 Dollars)	3,334	2,994	2,714	2,492	2,413	2,030	2,153
Gross income (1,000 Dollars)	593,759	449,055	433,164	386,720	443,816	457,255	524,352

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of in-shipments, and any increase or decrease in the live weight of inventory.

2/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes inter-farm sales within the state and farm slaughter.

3/ Receipts from marketings and sale of farm slaughter.

## All Cattle & Calves: Number on Farms by County 1/

County and Year	----- January 1 -----				County and Year	----- January 1 -----			
	All Cattle	Beef Cows 2/	Milk Cows	Cattle on Feed		All Cattle	Beef Cows 2/	Milk Cows	Cattle on Feed
	----- Head -----					----- Head -----			
<b>Apache</b>					<b>Mohave</b>				
1994	59,000				1994	19,000			
1995	58,000				1995	18,000			
1996	40,000				1996	17,000			
1997	35,000				1997	25,000			
1998	34,000	16,000			1998	27,000	17,000		
1999	32,000	15,000			1999	25,000	13,000		
2000	33,000	15,000			2000	30,000	16,000		
<b>Cochise</b>					<b>Navajo</b>				
1994	75,000				1994	31,000			
1995	76,000				1995	30,000			
1996	79,000				1996	19,000			
1997	77,000				1997	20,000			
1998	70,000	34,000			1998	30,000	15,000		
1999	70,000	30,000			1999	30,000	15,000		
2000	70,000	33,000			2000	35,000	18,000		
<b>Coconino</b>					<b>Pima</b>				
1994	54,000				1994	55,000			
1995	51,000				1995	55,000			
1996	47,000				1996	54,000			
1997	42,000				1997	42,000			
1998	47,000	25,000			1998	39,000	19,000		
1999	45,000	21,000			1999	45,000	21,000		
2000	48,000	24,000			2000	32,000	15,000		
<b>Gila</b>					<b>Pinal</b>				
1994	25,000				1994	171,000		9,000	117,000
1995	23,000				1995	155,000		9,000	107,000
1996	22,000				1996	172,000		9,000	116,000
1997	18,000				1997	165,000		8,000	124,000
1998	19,000	10,000			1998	174,000	12,000	11,000	151,000
1999	18,000	10,000			1999	174,000	21,000	12,000	119,000
2000	17,000	8,000			2000	210,000	11,000	14,000	176,000
<b>Graham</b>					<b>Santa Cruz</b>				
1994	28,000				1994	15,000			
1995	26,000				1995	15,000			
1996	28,000				1996	18,000			
1997	23,000				1997	17,000			
1998	25,000	13,000			1998	15,000	8,000		
1999	27,000	16,000			1999	12,000	7,000		
2000	20,000	10,000			2000	10,000	5,000		
<b>Greenlee</b>					<b>Yavapai</b>				
1994	9,000				1994	59,000			
1995	10,000				1995	56,000			
1996	12,000				1996	53,000			
1997	10,000				1997	57,000			
1998	11,000	6,000			1998	66,000	32,000		
1999	12,000	6,000			1999	63,000	32,000		
2000	9,000	4,000			2000	67,000	33,000		
<b>La Paz</b>					<b>Yuma</b>				
1994	4,000				1994	100,000			99,000
1995	3,000				1995	94,000			93,000
1996	4,000				1996	101,000			98,000
1997	4,000				1997	100,000			100,000
1998	3,000	1,000			1998	90,000	1,000		88,000
1999	3,000	1,000			1999	84,000	1,000		83,000
2000	2,000	1,000			2000	92,000	1,000		91,000
<b>Maricopa</b>					<b>Arizona</b>				
1994	166,000		91,000	9,000	1994	870,000		106,000	225,000
1995	180,000		100,000	10,000	1995	850,000		116,000	210,000
1996	184,000		103,000	8,000	1996	850,000		118,000	222,000
1997	175,000		108,000	9,000	1997	810,000		122,000	233,000
1998	170,000	11,000	112,000	6,000	1998	820,000	220,000	130,000	245,000
1999	170,000	9,000	112,000	4,000	1999	810,000	218,000	132,000	206,000
2000	165,000	6,000	115,000	5,000	2000	840,000	200,000	135,000	272,000

1/ Less than 1,000 head not published to avoid disclosure of individual operations.

2/ Beef cow estimates by county began in 1998.

## Cattle on Feed: Inventory

Month	1993	1994	1995	1996	1997	1998	1999
	-----1,000 Head-----						
January	233	225	210	222	233	245	206
February	215	217	201	204	223	220	202
March	201	201	196	202	224	220	203
April	196	192	192	206	224	212	214
May	189	181	190	188	214	205	208
June	183	170	190	183	206	214	207
July	173	149	178	173	189	200	198
August	168	143	174	177	176	196	194
September	169	146	163	182	185	200	200
October	189	160	173	201	193	201	208
November	221	194	207	224	215	205	239
December	227	214	224	238	243	214	265

## Cattle on Feed: Number of Feedlots and Marketings

Feedlot Capacity	1993	1994	1995	1996	1997	1998	1999
<b>15,999 and under</b>							
Lots (Number)	4	3	3	3	3	2	2
Cattle marketed (1,000 Head)	10	14	13	12	15	8	7
<b>16,000 - 31,999</b>							
Lots (Number)	4	4	3	3	3	3	2
Cattle marketed (1,000 Head)	111	91	100	96	98	89	52
<b>32,000 and over</b>							
Lots (Number)	3	3	3	3	3	3	3
Cattle marketed (1,000 Head)	257	272	267	290	285	195	231
<b>Total</b>							
Lots (Number)	11	10	9	9	9	8	7
Cattle marketed (1,000 Head)	378	377	380	398	398	292	290

## All Cattle: Monthly and Marketing Year Average Prices Received by Producers

	1993	1994	1995	1996	1997	1998	1999
	-----Dollars per cwt-----						
<b>All Beef Cattle 1/</b>							
January	72.90	67.30	66.10	55.50	60.00	62.80	60.30
February	74.10	69.00	68.30	55.30	61.10	59.20	62.20
March	75.70	70.60	64.50	54.40	63.90	60.40	63.80
April	75.50	68.40	62.30	52.80	63.80	62.60	64.40
May	75.20	65.30	59.50	53.30	64.30	65.00	64.40
June	73.20	62.00	60.20	53.80	61.00	65.10	65.30
July	70.80	63.80	58.80	57.80	62.20	58.80	63.80
August	73.70	66.00	58.20	61.50	62.90	58.20	64.20
September	70.50	62.60	58.40	60.80	61.00	57.40	65.30
October	66.50	59.70	57.50	60.50	61.30	59.30	67.80
November	68.50	63.20	58.40	59.70	62.00	61.00	69.40
December	68.50	64.30	56.90	59.90	61.40	58.90	67.50
Marketing year average	72.20	65.20	60.40	56.90	62.10	60.80	64.90
<b>Steers and Heifers</b>							
January	77.50	71.50	71.00	59.50	64.00	64.30	60.60
February	78.10	72.50	72.50	58.50	64.50	60.80	62.50
March	79.50	74.00	68.00	57.50	67.00	62.00	64.10
April	79.60	72.00	66.00	56.00	67.00	64.30	64.70
May	78.50	68.00	62.00	56.00	67.00	65.80	64.70
June	76.00	64.00	62.50	56.00	63.20	66.00	65.60
July	73.00	66.00	61.00	60.00	63.90	59.30	64.10
August	75.50	68.00	60.00	64.00	64.80	58.60	64.50
September	74.00	65.50	61.50	66.00	64.00	57.90	65.60
October	73.00	65.50	62.00	66.00	66.20	59.90	69.40
November	73.00	67.50	63.00	65.00	67.00	61.70	69.90
December	72.00	68.50	60.00	64.00	64.60	59.50	68.20
Marketing year average	75.90	68.70	63.70	60.50	65.20	61.70	65.20
<b>Calves</b>							
January	94.00	92.00	88.00	58.00	67.00	91.20	81.30
February	96.50	94.00	87.00	59.00	73.00	93.20	81.30
March	99.90	95.50	85.00	58.50	82.00	95.30	82.20
April	99.50	94.00	81.00	54.00	82.00	92.50	86.30
May	96.50	89.00	76.00	51.00	84.00	88.50	81.60
June	96.00	84.50	75.00	54.50	84.00	75.50	86.10
July	94.00	86.00	73.00	63.00	88.80	75.50	87.50
August	98.00	88.00	71.00	63.00	92.10	78.10	88.50
September	95.70	85.00	69.00	61.50	92.00	72.60	91.00
October	97.00	81.00	67.00	60.00	85.80	72.30	86.30
November	95.00	83.00	64.00	60.50	83.80	74.40	84.50
December	94.00	83.00	61.00	59.50	87.20	72.50	90.40
Marketing year average	96.60	88.90	74.20	58.50	83.40	82.00	85.40
<b>Cows</b>							
January	44.80	41.50	36.00	33.00	31.00	43.00	34.80
February	44.40	43.00	37.50	32.00	36.00	37.60	34.80
March	44.60	43.00	36.00	31.50	39.00	42.10	34.10
April	45.10	42.00	35.00	29.50	40.50	39.40	36.00
May	45.00	40.50	34.00	29.00	40.20	38.40	34.60
June	45.30	39.00	34.00	29.00	38.70	34.50	34.70
July	45.60	38.50	33.50	32.00	42.70	34.50	38.30
August	45.00	40.00	33.70	32.50	41.00	36.50	38.90
September	42.30	39.00	33.00	31.00	39.00	34.20	35.80
October	40.50	36.50	32.00	29.00	33.50	29.50	30.60
November	40.50	36.50	30.00	27.00	31.00	26.90	30.60
December	41.00	36.00	31.50	27.00	35.90	30.50	33.30
Marketing year average	43.30	39.20	33.80	30.60	36.50	32.10	34.10

1/ Includes 'steers and heifers' and cows.

## Grazing Fees

As of 1997, approximately 48 percent of Arizona's total area of 72,960,000 acres is Federal and state public trust land administered by the United States Department of Interior (USDI) Bureau of Land Management, the United States Department of Agriculture (USDA) Forest Service, and the Arizona State Land Department. A majority of these public lands are leased for livestock grazing.

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

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

Effective March 1988, the Secretary of Agriculture issued a final ruling that established regulations for annually determining Federal grazing fees. The fee system now in effect is the formula prescribed in the Executive Order of February 1986, and, in most respects, is the same grazing fee formula enacted by Congress in 1978. Grazing fees will be based on a rate per head month.

A head month is a month's use and occupancy of range by one animal, except for sheep or goats. A full head month's fee is charged for a month of grazing by adult animals; if the grazing animal is weaned or 6 months of age or older at the time of entering the Federal lands; or will become 12 months of age during the permitted period of use. For fee purposes, 5 sheep or goats are equivalent to one cow, bull, steer, heifer, horse, or mule.

Grazing fee formula components are compiled by the USDA Agricultural Statistics Board and furnished to USDI Bureau of Land Management and the USDA Forest Service for calculating the grazing fee each year. The components are made public at the same time, during the last week of December.

### Public Land Grazing Fee Formulation

Grazing Fee Components	Base Year 1964-68	1994	1995	1996	1997	1998	1999	2000
Grazing Rates on Private Land (Dollars) 1/	3.65	10.20	10.30	11.00	10.70	11.30	11.80	11.90
Forage Value Index (FVI) 2/	100	279	282	301	293	310	323	326
Average Price Received for Beef Cattle per Cwt (Dollars) 3/	22.04	73.43	67.07	61.15	55.49	61.90	60.01	61.89
Beef Cattle Price Index (BCPI) 4/	100	333	304	277	252	278	272	281
Prices Paid Index (PPI) 5/	100	451	455	473	499	512	514	516
Federal Grazing Fee (Dollars) 6/	(1.23)	1.98	1.61	1.35	1.35	1.35	1.35	1.35
State Grazing Fee (Dollars)	(0.95)	1.53	1.53	2.18	2.09	2.04	1.96	1.95

1/ Privately-owned, non-irrigated land in eleven western states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. Rates are per head month.

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

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

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

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

6/ The grazing fee = base year fee (FVI + BCPI - PPI)/100. 2000 for example = \$1.23 (326 + 281 - 516)/100 = \$1.12 (Federal), per Executive Order, \$1.35 is the legal minimum.

## Dairy

The average number of milk cows maintained by Arizona's dairy operations in 1999 increased 3,000 head from a year ago to 134,000 head. As of January 1, 2000, the number of milk cows totaled 135,000, up 3,000 head from January 1, 1999. Milk production per cow during 1999 was 21,873 pounds, up 7 percent from last year.

Milk production totaled 2.93 billion pounds in 1999, an increase of 9 percent from 1998. Value of milk produced rose to \$404.5 million dollars, a 3 percent increase from 1998 value. The average returns per 100 pounds of milk in 1999 was \$13.80, down \$0.80 from 1998.

### Milk Cows: Monthly and Annual Average Inventory

	1993	1994	1995	1996	1997	1998	1999
	-----1,000 Head-----						
January	98	106	112	118	122	130	132
February	98	107	112	118	123	130	132
March	98	108	112	118	125	130	132
April	99	108	112	119	127	130	132
May	101	109	112	120	128	130	134
June	102	110	112	121	128	131	134
July	102	110	112	122	128	132	135
August	103	110	112	122	128	132	135
September	104	110	113	122	129	132	135
October	105	110	114	122	130	132	135
November	106	111	115	122	130	132	135
December	106	112	117	122	130	132	135
Annual average	102	109	113	121	127	131	134

### Milk: Monthly and Annual Average Produced per Cow

	1993	1994	1995	1996	1997	1998	1999
	-----Lbs-----						
January	1,665	1,725	1,715	1,790	1,965	1,800	1,925
February	1,605	1,625	1,650	1,770	1,855	1,660	1,835
March	1,830	1,850	1,900	1,975	2,095	1,885	2,135
April	1,750	1,795	1,820	1,910	1,985	1,885	2,075
May	1,715	1,815	1,830	1,900	1,920	1,945	2,060
June	1,540	1,610	1,680	1,685	1,760	1,780	1,830
July	1,405	1,490	1,555	1,445	1,655	1,530	1,620
August	1,290	1,390	1,400	1,445	1,460	1,410	1,580
September	1,275	1,410	1,390	1,475	1,395	1,440	1,550
October	1,415	1,580	1,570	1,625	1,555	1,650	1,725
November	1,430	1,575	1,555	1,690	1,600	1,675	1,755
December	1,550	1,670	1,685	1,850	1,710	1,795	1,830
Annual average	18,392	19,578	19,735	20,446	20,976	20,458	21,873

### Milk: Monthly and Annual Average Production

	1993	1994	1995	1996	1997	1998	1999
	-----Million Lbs-----						
January	163	183	192	211	240	234	254
February	157	174	185	209	228	216	242
March	179	200	213	233	262	245	282
April	173	194	204	227	252	245	274
May	173	198	205	228	246	253	276
June	157	177	188	204	225	233	245
July	143	164	174	176	212	202	219
August	133	153	157	176	187	186	213
September	133	155	157	180	180	190	209
October	149	174	179	198	202	218	233
November	152	175	179	206	208	221	237
December	164	187	197	226	222	237	247
Annual average	1,876	2,134	2,230	2,474	2,664	2,680	2,931

## Milk Production: Marketings and Income

	1993	1994	1995	1996	1997	1998	1999
<b>Combined marketings of milk and cream</b>							
Milk utilized (Million Lbs)	1,870	2,126	2,221	2,464	2,653	2,668	2,918
<b>Average returns (Dollars)</b>							
Per 100 pounds of milk	13.10	13.10	12.80	14.50	13.00	14.60	13.80
Per pound of milkfat	3.61	3.64	3.54	4.04	3.65	4.09	3.85
Cash receipts from marketings (1,000 Dollars)	244,970	278,506	284,288	357,280	344,890	389,528	402,684
<b>Used for milk, cream &amp; butter where produced</b>							
Milk utilized (Million Lbs)	1	1	1	1	1	1	1
Value (1,000 Dollars)	131	131	128	145	130	146	138
Gross producer income (1,000 Dollars) 1/	245,101	278,637	284,416	357,425	345,020	389,674	402,822

1/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption.

## Milk Cows: Number of Operations by Size Group 1/

	1993	1994	1995	1996	1997	1998	1999
	-----Number-----						
1-99	290	240	190	170	140	140	130
100-199	10	10	10	10	10	10	10
200 and over	100	100	100	100	100	100	110
Total	400	350	300	280	250	250	250

1/ An operation is any place having one or more head of milk cows on hand at any time during the year.

## Dairy: Milk Cows, Production of Milk and Milkfat, and Value

	1993	1994	1995	1996	1997	1998	1999
Milk cows (1,000 head) 1/	102	109	113	121	127	131	134
<b>Production per milk cow (Lbs)</b>							
Milk	18,392	19,578	19,735	20,446	20,976	20,458	21,873
Milkfat	668	705	714	734	747	730	783
Milkfat in all milk produced (Percent)	3.63	3.60	3.62	3.59	3.56	3.57	3.58
<b>Total production (Million Lbs)</b>							
Milk	1,876	2,134	2,230	2,474	2,664	2,680	2,931
Milkfat	68.1	76.8	80.7	88.8	94.8	95.7	104.9
Value of milk produced (1,000 Dollars) 2/	245,756	279,554	285,440	358,730	346,320	391,280	404,478

1/ Average number on farms during year, excluding heifers not yet fresh.

2/ Value at averaged returns per 100 pounds of milk in combined marketings of milk and cream. Includes value of milk fed to calves.

## Goats and Mohair

On January 1, 2000, Arizona's Angora goat inventory was 36,000 head, down 2,000 from last year. At \$43 per head, the total value of Angora goats was estimated at \$1.55 million, 2 percent above last year. Most goats in Arizona are owned by Native Americans, with the Navajos of northeastern Arizona

responsible for the majority of the herds. Average mohair prices increased \$0.55 from 1998 to \$1.80 per pound. Mohair production was estimated at 153,000 pounds for a total value of \$275,000.

### Angora Goats: Number on Farms and Value

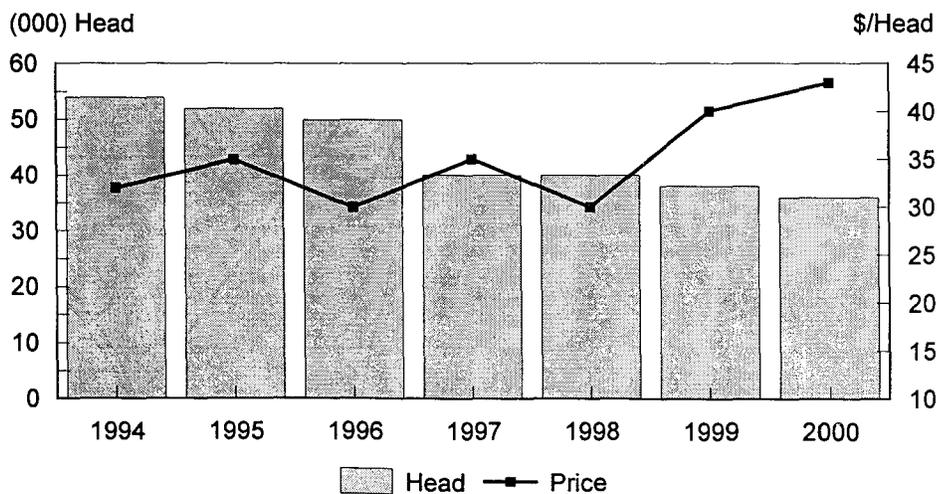
	1994	1995	1996	1997	1998	1999	2000
Goats (1,000 Head) 1/	54	52	50	40	40	38	36
<b>Farm Value:</b>							
Per Head (Dollars)	32.00	35.00	30.00	35.00	30.00	40.00	43.00
Total (1,000 Dollars)	1,728	1,820	1,500	1,400	1,200	1,520	1,548

1/ Estimates are based on January 1 of the current year.

### Mohair: Production and Value

	1993	1994	1995	1996	1997	1998	1999
Goats Clipped (1,000 Head)	46	49	40	38	38	36	34
Weight per Clip (Lbs)	4.4	4.1	4.5	4.2	4.2	4.5	4.5
Mohair Production (1,000 Lbs)	200	200	180	160	160	162	153
Average Price per Pound (Dollars)	0.32	0.74	1.52	1.47	1.70	1.25	1.80
Value of Production (1,000 Dollars)	64	148	274	235	272	203	275

### Arizona Goat Inventory & Price January 1, 1994-2000



## Sheep, Lambs, and Wool

Arizona's sheep and lamb inventory on January 1, 2000, was estimated at 155,000 head, up 15,000 from a year ago. Breeding sheep and lamb inventory, at 66,000 head, decreased 2,000 head from January 1, 1999. Market sheep and lambs inventory, at 89,000 head, increased by 17,000 head from the previous year.

Sheep and lamb marketings were 98,000 head, 1,000 fewer than last year. Average prices received by sheep operators in 1999 per

hundredweight were \$34.00 for sheep, down \$2.00 from 1998, and \$75.00 for lambs, unchanged from 1998. Cash receipts totaled \$6.5 million, up 12 percent from a year earlier.

Average wool prices dropped 7 cents to 40 cents per pound. Wool production was valued at \$332,000, down 10 percent from the previous year.

### Sheep: Number of Operations and Inventory 1/

	----- January 1 -----						
	1994	1995	1996	1997	1998	1999	2000
<b>Arizona</b>							
Operations (Number)	400	400	350	350	300	300	2/
Head (Thousand)	220.0	170.0	160.0	150.0	140.0	140.0	155.0
<b>United States</b>							
Operations (Number)	86,060	79,900	76,600	72,680	68,550	66,800	2/
Head (Thousand)	9,835.7	8,989.3	8,464.6	8,023.7	7,825.1	7,215.0	7,026.0

1/ An operation is any place having one or more sheep on hand during the year.

2/ Not available until January 2001.

### Sheep: By Class, Farm Value, and Lamb Crop

	----- January 1 -----						
	1994	1995	1996	1997	1998	1999	2000
<b>Breeding sheep and lambs (1,000 Head)</b>							
Ewes	112.0	84.0	79.0	65.0	63.0	58.0	58.0
Rams	5.0	3.0	2.0	2.0	2.0	3.0	3.0
Replacement lambs	13.0	10.0	9.0	8.0	8.0	7.0	5.0
Market sheep and lambs	90.0	73.0	70.0	75.0	67.0	72.0	89.0
All sheep and lambs	220.0	170.0	160.0	150.0	140.0	140.0	155.0
<b>Farm Value</b>							
Per head (Dollars)	82.00	86.00	96.00	100.00	110.00	89.00	96.00
Total (1,000 Dollars)	18,040	14,620	15,360	15,000	15,400	12,460	14,880
Lamb crop (1,000 Head)	82.0	59.0	55.0	48.0	47.0	45.0	1/

1/ Not available until January 2001.

### Sheep and Lambs: Inventory, Supply, and Disposition

	1994	1995	1996	1997	1998	1999	2000
		----- 1,000 Head -----					
Inventory January 1	220	170	160	150	140	140	155
Lamb crop	82	59	55	48	47	45	3/
In-shipments	90	71	76	82	76	85	3/
<b>Marketings 1/</b>							
Sheep	43	17	14	9	11	5	3/
Lambs	151	96	101	102	88	93	3/
Farm slaughter 2/	18	18	16	19	20	13	3/
<b>Deaths</b>							
Sheep	3	4	4	3	2	2	3/
Lambs	7	5	6	7	2	2	3/

1/ Includes animals for custom slaughter for use on farms where produced and state out-shipments, but excludes inter-farm sales within the state.

2/ Excludes custom slaughter for farmers at commercial establishments.

3/ Not available until January 2001.

## Sheep and Lambs: Number on Farms by County 1/

County and Year	----- January 1 -----			County and Year	----- January 1 -----		
	Breeding sheep & lambs	Market sheep & lambs 2/	All sheep & lambs		Breeding sheep & lambs	Market sheep & lambs 2/	All sheep & lambs
----- Head -----				----- Head -----			
<b>Apache</b>				<b>Mohave</b>			
1994	43,000		43,000	1994			
1995	28,000		28,000	1995			
1996	20,000	7,000	27,000	1996			
1997	21,000	3,000	24,000	1997			
1998 3/	37,000	6,000	43,000	1998			
1999	36,000	21,000	57,000	1999			
2000	41,000	27,000	68,000	2000			
<b>Cochise</b>				<b>Navajo</b>			
1994				1994	30,000		30,000
1995	6,000		6,000	1995	22,000		22,000
1996	3,000	1,000	4,000	1996	14,000	6,000	20,000
1997	3,000	2,000	5,000	1997	16,000	6,000	22,000
1998	3,000	2,000	5,000	1998 3/	2,000	1,000	3,000
1999	3,000		3,000	1999	1,000	2,000	3,000
2000	2,000	1,000	3,000	2000	1,000	1,000	2,000
<b>Coconino</b>				<b>Pima</b>			
1994	14,000		14,000	1994			
1995	15,000		15,000	1995			
1996	9,000	3,000	12,000	1996			
1997	7,000	2,000	9,000	1997			
1998	5,000		5,000	1998			
1999	7,000		7,000	1999			
2000	4,000	1,000	5,000	2000			
<b>Gila</b>				<b>Pinal</b>			
1994				1994	6,000	12,000	18,000
1995				1995	10,000	19,000	29,000
1996				1996	7,000	4,000	11,000
1997				1997	12,000	4,000	16,000
1998				1998	10,000	4,000	14,000
1999				1999	13,000		13,000
2000				2000	11,000	10,000	21,000
<b>Graham</b>				<b>Santa Cruz</b>			
1994				1994			
1995				1995			
1996				1996			
1997				1997			
1998				1998			
1999				1999			
2000				2000			
<b>Greenlee</b>				<b>Yavapai</b>			
1994				1994			
1995				1995			
1996				1996			
1997				1997			
1998	2,000		2,000	1998			
1999				1999			
2000				2000			
<b>La Paz</b>				<b>Yuma</b>			
1994				1994			
1995	4,000		4,000	1995		24,000	24,000
1996	3,000	1,000	4,000	1996	1,000	39,000	40,000
1997	1,000		1,000	1997		42,000	42,000
1998				1998		36,000	36,000
1999				1999		35,000	35,000
2000				2000		40,000	40,000
<b>Maricopa</b>				<b>Arizona</b>			
1994	13,000	8,000	21,000	1994	110,000	50,000	160,000
1995	12,000	30,000	42,000	1995	97,000	73,000	170,000
1996	8,000	9,000	1,700	1996	65,000	70,000	135,000
1997	15,000	16,000	31,000	1997	75,000	75,000	150,000
1998	14,000	18,000	32,000	1998	73,000	67,000	140,000
1999	8,000	14,000	22,000	1999	68,000	72,000	140,000
2000	7,000	9,000	16,000	2000	66,000	89,000	155,000

1/ Less than 1,000 head not published to avoid disclosure of individual operations.

2/ Includes sheep and lambs being fattened for slaughter market on grain, other concentrates, or succulent pastures. Excludes breeding sheep and lambs.

3/ Beginning in 1998, all Navajo Reservation sheep are recorded in Apache County.

## Sheep and Lambs: Production and Income

	1994	1995	1996	1997	1998	1999
Production (1,000 Lbs) 1/	9,777	6,750	6,699	6,836	3,655	4,572
Marketings (1,000 Lbs) 2/	19,940	11,420	11,560	11,460	8,464	9,037
<b>Average price per 100 Lbs (Dollars)</b>						
Sheep	30.00	29.00	35.00	45.00	36.00	34.00
Lambs	64.00	79.00	87.00	92.00	75.00	75.00
Value of production (1,000 Dollars)	6,037	5,105	5,695	6,087	2,569	3,222
Cash receipts (1,000 Dollars) 3/	11,048	8,062	9,246	10,092	5,829	6,505
Value of home consumption (1,000 Dollars)	1,037	1,130	1,027	1,576	1,165	851
<b>Gross income (1,000 Dollars)</b>	<b>12,085</b>	<b>9,192</b>	<b>10,273</b>	<b>11,668</b>	<b>6,994</b>	<b>7,356</b>

1/ Adjustments made for changes in inventory and for in-shipments.

2/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes custom slaughter for use on farms where produced and inter-farm sales within Arizona.

3/ Receipts from marketings and sale of farm slaughter.

## Wool: Production and Value

	1994	1995	1996	1997	1998	1999
All sheep shorn (1,000 Head) 1/	160	140	125	120	120	135
Weight per fleece (Pounds)	6.9	6.8	6.0	6.4	6.5	6.1
Shorn wool production (1,000 Lbs)	1,100	950	750	770	780	830
Average price per pound (Cents)	47	62	61	58	47	40
Value of production (1,000 Dollars) 2/	517	589	458	447	367	332

1/ Includes fed sheep shorn.

2/ Equivalent to cash receipts from farm marketings.

## Hogs and Pigs

On December 1, 1999, Arizona's 230 hog producers had a total inventory of 140,000 head, up 22 percent from the previous year. Hogs for breeding increased to 19,000 head, up 2,000 head from December 1, 1998, and market hogs were up 23,000 head to 121,000. The market value of Arizona's hog inventory was \$10.9 million, nearly double 1998.

Thirty thousand sows farrowed during 1999, the same as the previous year. Pigs per litter totaled 9.03. The total pig crop was 271,000 head, a 6 percent increase from last year.

Marketings totaled 235,000 head in 1999, a decrease of 23 percent from 1998. The gross income of the industry totaled \$18.4 million, 14 percent less than in 1998.

### Hogs and Pigs: Number of Operations and Inventory 1/

	December 1						
	1993	1994	1995	1996	1997	1998	1999
<b>Arizona</b>							
Operations (Number)	400	350	310	280	250	250	230
Head (Thousand)	140.0	170.0	125.0	150.0	145.0	115.0	140.0
<b>United States</b>							
Operations (Number)	218,060	196,030	168,450	142,380	122,160	113,830	98,460
Head (Thousand)	57,940.0	59,738.0	58,201.0	56,124.0	61,158.0	62,206.0	59,407.0

1/ An operation is any place having one or more hogs and pigs on hand during the year.

### Hogs and Pigs: Inventory by Class, Weight Group, and Farm Value

	December 1						
	1993	1994	1995	1996	1997	1998	1999
Breeding (1,000 Head)	17	18	15	20	15	17	19
Market (1,000 Head)	123	152	110	130	130	98	121
<b>Market hogs and pigs by weight groups (1,000 Head)</b>							
Under 60 Lbs	59	50	46	65	42	42	47
60-119 Lbs	24	36	24	24	33	21	25
120-179 Lbs	22	35	21	21	28	17	24
180 Lbs and over	18	31	19	20	27	18	25
All hogs (1,000 Head)	140	170	125	150	145	115	140
<b>Value</b>							
Per head (Dollars)	86.00	61.00	80.00	100.00	88.00	48.00	78.00
Total (1,000 Dollars)	12,040	10,370	10,000	15,000	12,760	5,520	10,920

### Hogs and Pigs: Inventory, Supply, and Disposition

	1993	1994	1995	1996	1997	1998	1999	2000
	----- 1,000 Head -----							
Inventory December 1 1/	106	140	170	125	150	145	115	140
Pig crop	256	299	274	296	307	255	271	
In-shippments	9	9	14	21	86	60	50	
Marketings 2/	212	247	302	266	367	304	235	
Farm slaughter 3/	1	1	1	1	1	1	1	
Deaths	18	30	30	25	30	40	60	

1/ December 1 of previous year.

2/ Includes animals for slaughter markets, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes inter-farm sales within the state and farm slaughter.

3/ Excludes custom slaughter for farmers at commercial establishments.

## Pig Crop 1/

	1993	1994	1995	1996	1997	1998	1999
<b>Arizona total</b>							
Sows farrowed (1,000 Head)	31	38	33	35	36	30	30
Pigs per litter (Number)	8.26	7.87	8.30	8.46	8.53	8.50	9.03
Pig crop (1,000 Head)	256	299	274	296	307	255	271
<b>United States total</b>							
Sows farrowed (1,000 Head)	12,015	12,396	11,888	11,113	11,479	12,061	11,666
Pigs per litter (Number)	8.10	8.19	8.31	8.50	8.68	8.71	8.79
Pig crop (1,000 Head)	97,326	101,478	98,816	94,459	99,584	105,005	102,569

1/ December 1 previous year through November current year.

## Hogs and Pigs: Production and Income

	1993	1994	1995	1996	1997	1998	1999
Production (1,000 Lbs) 1/	52,554	64,607	65,036	69,438	87,296	65,868	57,428
Marketings (1,000 Lbs) 2/	50,880	59,040	72,240	67,575	91,500	72,720	56,160
Average price per cwt (Dollars)	44.40	37.50	40.60	52.00	49.90	29.10	32.50
Value of production (1,000 Dollars)	22,479	23,883	25,907	35,176	41,156	19,002	18,479
Cash receipts (1,000 Dollars) 3/	22,591	22,140	29,329	35,139	45,659	21,162	18,252
Value of home consumption (1,000 Dollars)	110	194	212	268	249	139	160
Gross income (1,000 Dollars)	22,701	22,334	29,541	35,407	45,908	21,301	18,412

1/ Adjustments made for changes in inventory and for in-shipments.

2/ Includes animals for slaughter market, as well as younger animals shipped to other states for feeding or breeding purposes. Excludes custom slaughter for use on farms where produced and inter-farm sales within Arizona.

3/ Receipts from marketings and the sale of farm slaughter.

## Hogs and Pigs: Number on Farms by County - December 1

County	1993	1994	1995	1996	1997	1998	1999
	----- 1,000 Head -----						
Navajo	108	145	107	133	132	105	129
Other counties	32	25	18	17	13	10	11
Arizona	140	170	125	150	145	115	140

# Meat Production

## Livestock Slaughtering Establishments - January 1

	1994	1995	1996	1997	1998	1999	2000
	-----Number-----						
Under Federal Inspection	3	3	3	3	4	4	4
Other 1/	24	23	23	22	21	11	15
<b>Total</b>	<b>27</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>15</b>	<b>19</b>

1/ Includes state inspected and custom-exempt plants.

## Red Meat Production 1/

	1993	1994	1995	1996	1997	1998	1999
	-----1,000 Lbs-----						
January	20,846	20,678	21,482	27,600	29,000	24,700	28,200
February	16,469	19,844	21,171	27,900	23,900	23,000	27,100
March	19,424	22,361	24,002	27,400	25,800	26,400	30,900
April	20,923	21,571	22,806	28,700	28,300	26,300	29,500
May	20,228	22,386	28,820	30,800	28,600	28,400	28,700
June	22,917	25,400	28,730	30,600	29,000	30,600	34,000
July	21,839	22,984	28,620	29,800	29,500	29,000	32,400
August	23,203	26,182	30,633	26,400	27,100	26,600	29,200
September	20,985	23,548	28,704	25,100	25,300	27,900	29,900
October	20,448	23,876	27,568	26,900	25,800	28,400	29,400
November	20,852	21,598	25,731	27,100	23,000	27,200	29,100
December	20,656	21,149	24,275	27,600	26,400	30,300	30,200
<b>Total 2/</b>	<b>248,789</b>	<b>271,576</b>	<b>312,542</b>	<b>335,900</b>	<b>321,700</b>	<b>328,900</b>	<b>358,600</b>

1/ Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter.

2/ Numbers may not add due to rounding.

## Commercial Cattle Slaughter

	1993	1994	1995	1996	1997	1998	1999
	----- Number -----						
January	30,700	30,300	31,700	40,100	43,000	36,000	39,200
February	25,100	29,500	31,000	40,800	35,200	33,600	37,700
March	29,300	33,200	34,700	40,400	37,700	38,200	43,000
April	31,200	32,100	32,400	42,000	40,700	37,600	40,500
May	30,200	32,900	40,800	44,400	41,100	39,800	39,100
June	33,900	36,800	40,000	44,300	42,200	42,700	46,400
July	32,100	33,500	40,100	43,800	42,700	40,300	44,300
August	34,200	38,100	43,700	39,900	39,700	37,100	40,200
September	31,000	34,900	42,200	38,000	37,600	38,600	41,100
October	29,800	34,900	40,800	40,400	38,600	39,500	39,800
November	30,400	31,300	37,500	40,000	34,100	37,700	39,800
December	30,500	30,700	35,000	40,300	38,800	41,900	41,300
Total 1/	386,300	398,300	449,800	494,400	471,300	463,000	492,400
	----- 1,000 Lbs Live-weight -----						
January	34,616	34,607	35,931	44,456	47,252	39,621	45,383
February	27,490	33,176	35,468	44,619	38,837	37,020	43,601
March	32,404	37,342	40,164	44,319	42,013	42,561	49,660
April	34,840	35,967	38,145	46,231	46,133	42,342	48,908
May	33,811	37,463	48,266	49,295	46,619	45,359	47,521
June	38,412	42,609	48,202	49,411	47,627	49,027	55,677
July	36,619	38,475	48,036	48,263	48,274	46,500	53,343
August	38,897	43,957	51,125	43,018	44,130	42,754	48,133
September	35,052	39,607	47,936	40,692	41,318	45,013	48,917
October	34,190	39,997	45,707	43,321	42,079	45,953	48,544
November	34,828	36,358	41,625	44,099	37,370	43,856	48,874
December	34,567	35,378	38,896	44,787	42,293	48,506	50,348
Total 1/	415,726	454,936	519,499	542,510	523,946	528,512	588,908

1/ Numbers may not add due to rounding.

## Commercial Hog Slaughter

	1993	1994	1995	1996	1997	1998	1999
	----- Number -----						
January	1,000	900	1,000	1,000	900	600	700
February	1,000	1,000	800	900	800	700	600
March	1,300	1,300	1,100	900	900	900	700
April	1,500	1,500	1,100	1,400	1,200	1,100	700
May	1,100	1,000	1,200	1,200	1,100	1,000	700
June	1,000	800	1,000	800	700	800	500
July	800	700	600	700	700	500	300
August	900	800	800	700	600	500	300
September	1,200	1,200	1,000	1,000	900	700	600
October	1,000	900	1,100	1,100	800	700	400
November	1,200	900	900	800	800	800	500
December	1,000	1,000	900	900	800	800	500
Total 1/	13,000	12,100	11,400	11,400	10,300	9,200	6,700

See footnotes at end of table

---Continued on next page

## Commercial Hog Slaughter

--Continued

	1993	1994	1995	1996	1997	1998	1999
	----- 1,000 Lbs Live-weight -----						
January	249	235	258	231	189	112	146
February	244	250	204	218	179	133	119
March	294	319	274	224	209	172	142
April	359	347	258	337	265	226	129
May	252	245	292	296	254	208	137
June	246	201	224	189	119	154	99
July	191	165	148	160	151	94	66
August	197	180	197	169	140	111	51
September	287	301	242	244	184	142	106
October	256	237	261	259	176	128	81
November	278	230	219	169	166	171	65
December	234	254	202	190	168	133	80
Total 1/	3,087	2,964	2,781	2,685	2,200	1,785	1,220

1/ Numbers may not add due to rounding.

## Commercial Sheep Slaughter 2/

	1993	1994	1995	1996	1997	1998 /	1999
	----- Number -----						
January	100	100			100	100	100
February	100	100					
March	200	200			100	100	100
April	300	200			200	100	100
May	100	100		100	100	100	100
June	100			100	100	100	100
July				100		100	
August	100			100	100	100	
September	200			200	100	100	100
October	100			100	100	100	100
November	100			100	100	100	
December	100			100	100	100	100
Total 1/	1,400			1,300	1,000	1,000	900
	----- 1,000 Lbs Live-weight -----						
January	6	11			10	5	7
February	9	12					
March	18	21			11	11	14
April	33	20			18	17	16
May	12	13		17	12	13	9
June	6			8	4	5	7
July				4		7	
August	15			8	7	7	
September	21			16	13	9	16
October	9			10	6	12	5
November	11			5	8	3	
December	9			6	6	7	6
Total 1/	153			133	104	99	94

1/ Numbers may not add due to rounding or due to non-disclosure rules.

2/ Numbers not published for some months to avoid disclosure of individual operations.

# Honey

Arizona's 1999 honey production was estimated at 3.2 million pounds, down 2 percent from 1998. Average yield from the 52,000 colonies was 62 pounds. This was up 2 pounds from last year.

Prices for the 1999 honey crop averaged 62 cents per pound, down 2 cents from last year. The value of the honey produced by Arizona apiarists was estimated at 2.00 million dollars, a decrease of 5 percent from 1998.

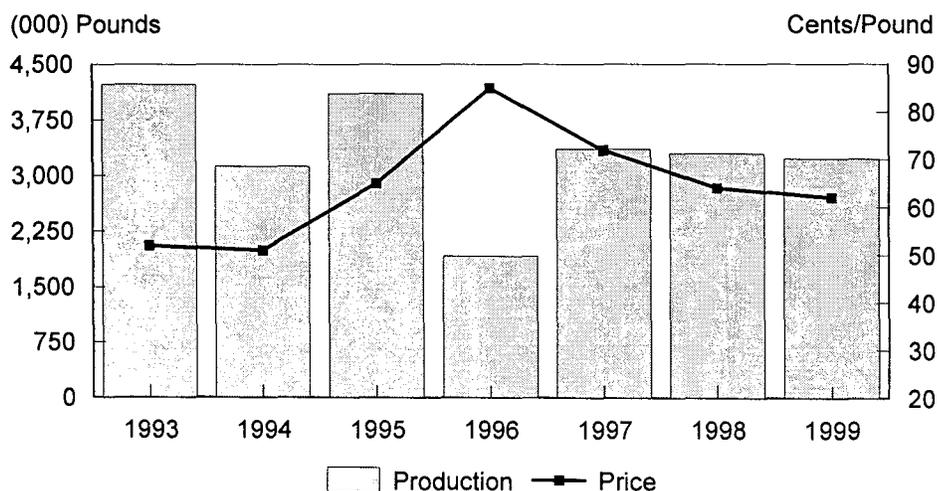
Estimates of honey production and colonies represent operations where honey is taken from colonies for sale or human consumption. Honey produced by beekeepers with fewer than five colonies is not included. Packaged bees and bees for pollination are included only if some honey was removed for human consumption.

**Honey: Number of Colonies, Yield, Production, and Value 1/**

	1993	1994	1995	1996	1997	1998	1999
Honey producing colonies (1,000)	55	53	52	32	42	55	52
Yield per colony (Lbs)	77	59	79	60	80	60	62
Production (1,000 Lbs)	4,235	3,127	4,108	1,920	3,360	3,300	3,224
Average price per pound (Cents)	52	51	65	85	72	64	62
Value of production (1,000 Dollars)	2,202	1,595	2,670	1,632	2,419	2,112	1,999

1/ December 1 previous year through November 30.

**Arizona Honey Production & Price  
1993-1999**



## Crop Summary: Acreage Harvested, Production, and Value

Commodity and Unit	Acres Harv			Acres Harv			Acres Harv		
	Prod	Value	Prod	Value	Prod	Value	Prod	Value	
	-----1997-----			-----1998-----			-----1999-----		
	1,000 Acres	1,000 Units	1,000 Dollars	1,000 Acres	1,000 Units	1,000 Dollars	1,000 Acres	1,000 Units	1,000 Dollars
Upland cotton (Bales)	324.0	847.0	263,044	248.0	608.0	159,636	269.0	716.0	157,062
Amer-Pima cotton (Bales)	22.0	41.8	19,703	15.5	26.8	11,886	8.9	16.3	6,431
All cotton (Bales)	346.0	888.8	282,747	263.5	634.8	171,522	277.9	732.3	163,493
Cottonseed (Tons)		312.0	41,808		288.0	42,624		275.0	35,490
Alfalfa hay (Tons)	190.0	1,558.0	174,496	200.0	1,600.0	143,200	200.0	1,580.0	139,830
Other hay (Tons)	40.0	148.0	13,098	40.0	140.0	10,990	40.0	172.0	12,556
All hay (Tons)	230.0	1,706.0	187,594	240.0	1,740.0	154,190	240.0	1,752.0	152,386
Durum wheat (Tons)	89.0	240.3	37,647	144.0	453.6	68,040	75.0	218.3	29,828
Other wheat (Tons)	9.0	23.0	3,098	8.0	21.6	2,340	10.0	31.5	3,308
All wheat (Tons)	98.0	263.3	40,745	152.0	475.2	70,380	85.0	249.8	33,136
Barley (Tons)	67.0	164.0	19,819	56.0	147.8	15,092	62.0	169.6	16,963
Corn for grain (Tons)	40.0	184.8	21,120	30.0	147.0	14,438	30.0	163.8	15,210
Corn for silage (Tons)	18.0	459.0	16,065	19.0	504.0	15,625	19.0	437.0	12,673
Potatoes (Cwt)	6.5	1,820.0	15,925	8.1	2,268.0	25,628	9.6	3,024.0	27,367
Head lettuce Western (Cwt)	51.8	16,835.0	195,286	51.0	17,850.0	282,030	44.0	14,740.0	179,828
Head lettuce Other (Cwt)	3.0	510.0	9,180	4.0	808.0	17,614	1.4	434.0	4,774
Leaf lettuce (Cwt)	5.7	1,568.0	49,706	7.3	1,971.0	41,391	5.5	1,485.0	39,501
Romaine lettuce (Cwt)	8.2	2,624.0	51,168	9.8	3,038.0	67,140	9.8	2,744.0	41,434
Dry onions (Cwt)	2.1	746.0	9,400	2.5	1,175.0	17,978	3.0	1,635.0	9,042
Broccoli (Cwt)	11.0	1,357.0	48,400	12.3	1,538.0	55,060	12.4	2,480.0	60,264
Cauliflower (Cwt)	3.9	780.0	25,896	3.4	714.0	32,701	3.9	1,170.0	43,641
Carrots (Cwt)	2.5	663.0	8,818	2.5	625.0	7,813	1.9	475.0	7,220
Cantaloupes (Cwt)	17.7	4,514.0	86,669	18.5	4,625.0	64,288	18.5	4,995.0	68,931
Honeydews (Cwt)	4.1	718.0	13,283	4.2	840.0	16,968	4.2	1,029.0	19,757
Watermelons (Cwt)	7.2	2,232.0	17,343	7.6	2,280.0	18,240	7.5	3,188.0	17,853
Grapefruit (Ctn)	4.4	1,600.0	2,385	4.0	1,600.0	3,738	3.6	1,500.0	4,949
Lemons (Ctn)	14.5	5,400.0	29,351	14.0	5,200.0	24,187	13.1	6,900.0	46,004
Oranges (Ctn)	10.0	2,800.0	9,292	9.1	2,000.0	5,345	8.2	2,300.0	20,756
Tangerines (Ctn)	5.3	1,500.0	11,354	5.2	1,500.0	7,519	5.2	1,900.0	17,577
Grapes (Tons) 1/ 2/	4.3	25.0	14,694	4.3	23.0	17,276	4.1	21.0	16,821
Apples (Lbs) 1/ 2/	3.7	44,100.0	4,724	3.8	45,000.0	6,645	3.9	32,000.0	4,134

1/ Preliminary

2/ Utilized production

## Crops: Record Highs and Lows

	Date Series began	Record	-----Acreage-----		-----Yield-----			-----Production-----		
			Harvested	Year 1/	Unit	Per acre	Year 1/	Unit	Total	Year 1/
			1,000 Acres					1,000 Units		
All cotton	1912	High	690.0	1953	Lbs	1,342.0	1987	Bales	1,609.7	1981
		Low	0.4	1912		212.0	1920		0.3	1912
Upland cotton	1917	High	648.5	1953	Lbs	1,410.0	1987	Bales	1,556.0	1981
		Low	8.0	1917		228.0	1922		7.1	1917
Amer-Pima cotton	1912	High	244.5	1989	Lbs	1,126.0	1987	Bales	477.0	1989
		Low	0.3	1947		180.0	1943		0.2	1947
Cottonseed	1917	High						Tons	631	1981
		Low							10	1917
All hay	1909	High	332.0	1944	Tons	7.53	1996	Tons	1,752	1998
		Low	98.0	1909		1.97	1940		237	1909
Alfalfa hay	1919	High	237.0	1944	Tons	8.20	1997	Tons	1,600	1998
		Low	82.0	1920		2.20	1940		238	1920
All wheat	1882	High	431.0	1976	Lbs	5,960.0	1991	Tons	970	1976
		Low	11.0	1883		720.0	1890		5	1894
Durum wheat	1976	High	319.0	1976	Lbs	6,300.0	1998	Tons	718	1976
		Low	39.0	1991		4,200.0	1978		111	1991
Other wheat	1909	High	260.0	1978	Lbs	6,300.0	1991	Tons	546	1975
		Low	8.0	1998		870.0	1941		9	1910
Barley	1882	High	268.0	1954	Lbs	5,760.0	1991	Tons	334	1954
		Low	8.0	1928		1,032.0	1893		6	1928
Corn for grain	1882	High	50.0	1978	Lbs	9,800.0	1998	Tons	196	1996
		Low	3.0	1885		515.0	1944		2	1888
Corn for silage	1919	High	19.0	1998	Tons	28.00	1994	Tons	504	1998
		Low	2.0	1934		5.00	1935		10	1934
Potatoes	1899	High	12.8	1969	Cwt	315.0	1989	Cwt	2,944	1969
		Low	1.0	1912		18.0	1900		18	1900
All oranges	1919/20	High						Carton	10,520	1968/69
		Low							108	1927/28
Navel oranges	1934/35	High						Carton	2,300	1968/69
		Low							194	1934/35
Valencia oranges	1934/35	High						Carton	8,220	1968/69
		Low							146	1936/37
Grapefruit	1919/20	High						Carton	8,200	1946/47
		Low							58	1919/20
Lemons	1958/59	High						Carton	14,400	1974/75
		Low							680	1958/59
Tangerines	1964/65	High						Carton	2,700	1983/84
		Low							380	1964/65
All grapes	1909	High						Tons	31,000	1987
		Low							250	1920

1/ The latest year a record was achieved. Some records were equaled in earlier years.

## Field Crop Highlights

**Hay:** Arizona's alfalfa yield led the nation at 7.9 tons per acre. This yield is down .1 ton from last year. Nationally, alfalfa yields averaged 3.50 tons with the next closest state, California, averaging 6.8 tons per acre. Harvested acres in Arizona were the same as a year earlier and the total production of 1,580,000 tons was down 1 percent. Acreage of other hay cut was unchanged at 40,000 acres.

Preliminary marketing average prices for alfalfa decreased to \$88.50 per ton from \$89.50 the previous year. Prices for other hay during the marketing year averaged \$73.00, a decrease of \$5.50 from the previous year.

**Barley:** Acreage in Arizona increased to 63,000 acres, up 5,000 acres from the previous year. Of those 63,000 acres, 62,000 acres were harvested for grain yielding 5,470 pounds per acre, netting a production of 169,630 tons. Arizona growers averaged 5,470 pounds per acre to lead the nation and North Dakota was the top producer with 1,428,500 tons.

The marketing year average price for Arizona's crop, at \$100.00 per ton, was down \$2.10 per ton from a year earlier. Nationally, barley prices averaged \$85.40 with Arizona and Colorado growers leading with an average of \$110.40 received per ton.

**Corn:** Acreage was unchanged at 50,000 acres planted during 1999. Of this 50,000 acres, 30,000 were harvested for grain and 19,000 for silage. Growers set a state record yield of 10,920 pounds per acre and led the nation in yield per acre.

Prices received for grain corn in Arizona decreased to \$86.60 per ton, down \$5.00 from last year.

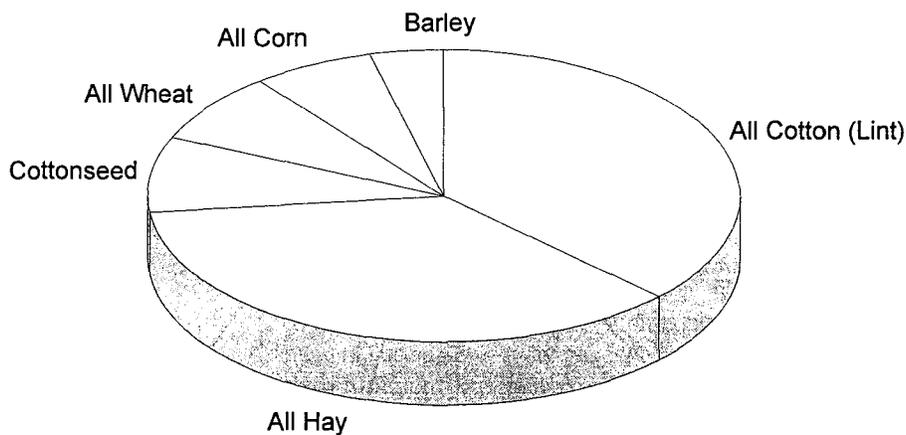
**Cotton:** Upland, at 270,000 planted acres, was up 20,000 acres while American-Pima, at 9,000 acres, was down 6,900 acres, and was the smallest acreage since 1949. Yields were both up; short staple - 1,278 pounds, up 101 pounds and long staple - 879 pounds, up 49 pounds. National averages were; short staple - 595 pounds and long staple - 1,128 pounds.

Prices were down for both types from a year earlier. Upland, at \$0.457 per pound, was down \$0.090 and American-Pima at \$0.822 per pound, was down \$0.102. U.S. prices were \$0.449 for upland, down \$0.153 per pound and \$0.818 for American-Pima down \$0.106 per pound.

**Wheat:** Acreage planted to Durum wheat in Arizona decreased to 75,000. Average yields, at 5,820 pounds per acre, were down 480 pounds from the 1998 crop. Average prices received in Arizona, at \$136.70 per ton, were down \$13.30 from last year. Nationally, the price was also down \$13.30 to \$91.70.

Other wheat planted acreage in Arizona at 11,000 acres, was up 3,000 acres from the previous year. Yields averaged 6,300 pounds per acre, highest in the nation. The national average was 2,868 pounds. Prices averaged \$105.00 per ton in Arizona and \$80.00 nationally.

**Arizona Field Crop Value of Production**  
1999 Season



## Upland Cotton: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999 3/
Planted (Acres)	316,000	313,000	365,000	315,000	325,000	250,000	270,000
Harvested (Acres)	315,000	312,000	364,000	314,000	324,000	248,000	269,000
Yield per harvested acre (Lbs)	1,204	1,203	1,046	1,189	1,255	1,177	1,278
<b>Lint</b>							
Production (Bales)	790,000	782,000	793,000	778,000	847,000	608,000	716,000
Marketing year average price (Cents/Lb) 2/	58.1	70.6	72.9	69.7	64.7	54.7	45.7
Value of production (1,000 Dollars)	220,315	265,004	277,487	260,288	263,044	159,636	157,062

1/ Production estimates are for 480-pound net weight bales.

2/ Average price for the August through July marketing season. Prices do not include an allowance for loans outstanding and government purchases.

3/ Price and value preliminary.

## American-Pima Cotton: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999 3/
Planted (Acres)	57,000	48,000	48,600	42,000	22,000	15,900	9,000
Harvested (Acres)	56,900	47,900	48,100	41,900	22,000	15,500	8,900
Yield per harvested acre (Lbs)	734	806	720	852	912	830	879
<b>Lint</b>							
Production (Bales)	87,000	80,400	72,200	74,400	41,800	26,800	16,300
Marketing year average price (Cents/Lb) 2/	91.6	103.0	119.0	106.0	98.2	92.4	82.2
Value of production (1,000 Dollars)	38,252	39,750	41,241	37,855	19,703	11,886	6,431

1/ Production estimates are for 480-pound net weight bales.

2/ Average price for the August through July marketing season. Prices do not include an allowance for loans outstanding and government purchases.

3/ Price and value preliminary.

## All Cotton: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999 2/
Planted (Acres)	373,000	361,000	413,600	357,000	347,000	265,900	279,000
Harvested (Acres)	371,900	359,900	412,100	355,900	346,000	263,500	277,900
Yield per harvested acre (Lbs)	1,132	1,150	1,008	1,150	1,233	1,156	1,265
Production (Bales)	877,000	862,400	865,200	852,400	888,800	634,800	732,300
Value of production (1,000 Dollars)	258,567	304,754	318,728	298,143	282,747	171,522	163,493

1/ Production estimates are for 480-pound net weight bales.

2/ Value preliminary.

## Cottonseed: Production, Disposition, and Value

	1993	1994	1995	1996	1997	1998	1999
Production (1,000 Tons)	338.0	324.0	334.0	324.0	312.0	288.0	275.0
<b>Farm disposition</b>							
Sales to oil mills (1,000 Tons)	195.0	174.0	162.0	124.0	73.0	52.0	16.0
Other uses (1,000 Tons) 1/	143.0	150.0	172.0	200.0	239.0	236.0	259.0
Used for planting (1,000 Tons) 2/	3.2	3.7	3.2	3.1	2.4	2.5	2.6
Marketing year average price (\$/Ton) 3/	119.00	129.00	131.00	155.00	134.00	148.00	130.00
Value of production (1,000 Dollars)	40,222	41,796	43,754	50,220	41,808	42,624	35,490
Value of sales to oil mills (1,000 Dollars)	23,205	22,446	21,222	19,220	9,782	7,696	2,080

1/ Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.

2/ Included in 'other' farm disposition. Planting seed from previous year's crop.

3/ Average price for the August through July marketing season.

## Upland Cotton: Acreage, Yield, and Production by County

County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production	County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production
			Lbs	Bales				Lbs	Bales
<b>Apache</b>					<b>Mohave</b>				
1993					1993	6,200	6,200	1,246	16,100
1994					1994	6,000	6,000	1,456	18,200
1995					1995	6,400	6,400	1,110	14,800
1996					1996	6,200	6,200	1,084	14,000
1997					1997	6,200	6,200	1,200	15,500
1998					1998	5,000	5,000	826	8,600
1999					1999	4,500	4,500	1,227	11,500
<b>Cochise</b>					<b>Navajo</b>				
1993	12,000	11,900	545	13,500	1993				
1994	12,400	12,300	710	18,200	1994				
1995	14,800	14,800	558	17,200	1995				
1996	7,500	7,500	973	15,200	1996				
1997	9,700	9,500	935	18,500	1997				
1998	3,700	3,600	1,013	7,600	1998				
1999	4,400	4,300	714	6,400	1999				
<b>Coconino</b>					<b>Pima</b>				
1993					1993	11,100	11,100	1,098	25,400
1994					1994	10,300	10,200	1,101	23,400
1995					1995	12,400	12,400	1,065	27,500
1996					1996	14,000	13,900	1,071	31,000
1997					1997	14,500	14,500	1,162	35,100
1998					1998	11,400	11,400	1,044	24,800
1999					1999	11,400	11,300	1,270	29,900
<b>Gila</b>					<b>Pinal</b>				
1993					1993	102,600	102,200	1,110	236,400
1994					1994	104,000	103,800	1,188	256,800
1995					1995	129,500	129,300	1,023	275,700
1996					1996	118,000	117,700	1,194	292,800
1997					1997	114,100	113,900	1,256	298,000
1998					1998	96,100	95,400	1,222	242,900
1999					1999	106,600	106,300	1,331	294,800
<b>Graham</b>					<b>Santa Cruz</b>				
1993	8,600	8,500	1,050	18,600	1993				
1994	9,400	9,300	914	17,700	1994				
1995	6,800	6,700	781	10,900	1995				
1996	8,500	8,400	914	16,000	1996				
1997	9,900	9,900	1,018	21,000	1997				
1998	15,300	15,300	1,227	39,100	1998				
1999	19,700	19,600	1,102	45,000	1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993	800	800	900	1,500	1993				
1994	700	700	891	1,300	1994				
1995	800	800	600	1,000	1995				
1996	1,000	1,000	1,152	2,400	1996				
1997	2,000	2,000	672	2,800	1997				
1998	1,000	1,000	864	1,800	1998				
1999	1/				1999				
<b>La Paz</b>					<b>Yuma</b>				
1993	32,500	32,500	1,409	95,400	1993	20,500	20,400	1,332	56,600
1994	27,200	27,100	1,282	72,400	1994	22,000	21,800	1,403	63,700
1995	28,300	28,200	1,100	64,600	1995	27,100	27,000	1,262	71,000
1996	25,300	25,200	1,074	56,400	1996	22,500	22,400	1,284	59,900
1997	25,200	25,200	1,219	64,000	1997	25,000	24,900	1,465	76,000
1998	15,200	15,200	1,203	38,100	1998	20,300	20,300	977	41,300
1999	16,900	16,900	1,292	45,500	1999	22,400	22,400	1,251	58,400
<b>Maricopa</b>					<b>Arizona</b>				
1993	121,700	121,400	1,291	326,500	1993	316,000	315,000	1,204	790,000
1994	121,000	120,800	1,233	310,300	1994	313,000	312,000	1,203	782,000
1995	138,900	138,400	1,076	310,300	1995	365,000	364,000	1,046	793,000
1996	112,000	111,700	1,247	290,300	1996	315,000	314,000	1,189	778,000
1997	118,400	117,900	1,287	316,100	1997	325,000	324,000	1,255	847,000
1998	81,000	79,800	1,214	201,800	1998	250,000	248,000	1,177	608,000
1999	84,100	83,700	1,287	224,500	1999	270,000	269,000	1,278	716,000

1/ Too small to publish. Included in Graham County.

## American-Pima Cotton: Acreage, Yield, and Production by County

County and Year	Planted Acres	Harvested Acres	Yield		County and Year	Planted Acres	Harvested Acres	Yield	
			per Acre	Production				per Acre	Production
			Lbs	Bales				Lbs	Bales
<b>Apache</b>					<b>Mohave</b>				
1993					1993				
1994					1994				
1995					1995				
1996					1996				
1997					1997	1/			
1998					1998				
1999					1999				
<b>Cochise</b>					<b>Navajo</b>				
1993	2,800	2,800	206	1,200	1993				
1994	1/				1994				
1995	1/				1995				
1996	1/				1996				
1997	1/				1997				
1998	1/				1998				
1999					1999				
<b>Coconino</b>					<b>Pima</b>				
1993					1993	2,600	2,600	591	3,200
1994					1994	2,300	2,300	563	2,700
1995					1995	1,100	1,100	480	1,100
1996					1996	500	500	480	500
1997					1997	1/			
1998					1998	1/			
1999					1999	1/			
<b>Gila</b>					<b>Pinal</b>				
1993					1993	24,500	24,500	709	36,200
1994					1994	18,700	18,700	796	31,000
1995					1995	16,100	16,000	750	25,000
1996					1996	14,700	14,700	826	25,300
1997					1997	5,800	5,800	877	10,600
1998					1998	3,400	3,400	805	5,700
1999					1999	1,400	1,300	665	1,800
<b>Graham</b>					<b>Santa Cruz</b>				
1993	13,500	13,500	768	21,600	1993				
1994	13,400	13,300	790	21,900	1994				
1995	17,300	17,000	647	22,900	1995				
1996	14,100	14,000	837	24,400	1996				
1997	5,700	5,700	825	9,800	1997				
1998	3,700	3,600	1,013	7,600	1998				
1999	3,900	3,900	825	6,700	1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993					1993				
1994	1/				1994				
1995	1/				1995				
1996	1/				1996				
1997	1/				1997				
1998					1998	1/			
1999					1999				
<b>La Paz</b>					<b>Yuma</b>				
1993	1/				1993	1,400	1,400	1,063	3,100
1994	1,600	1,600	1,020	3,400	1994	1,500	1,500	1,280	4,000
1995	1,700	1,700	904	3,200	1995	1,800	1,800	1,147	4,300
1996	1,900	1,900	657	2,600	1996	2,100	2,100	1,234	5,400
1997	3,500	3,500	946	6,900	1997	3,500	3,500	1,111	8,100
1998	1/				1998	3,000	2,800	771	4,500
1999	1,300	1,300	1,108	3,000	1999	1,800	1,800	1,093	4,100
<b>Maricopa</b>					<b>Arizona</b>				
1993	10,600	10,500	837	18,300	1993	57,000	56,900	734	87,000
1994	9,800	9,800	842	17,200	1994	48,000	47,900	806	80,400
1995	9,500	9,400	797	15,600	1995	48,600	48,100	720	72,200
1996	7,100	7,100	805	11,900	1996	42,000	41,900	852	74,400
1997	6,000	6,000	920	11,500	1997	22,000	22,000	912	41,800
1998	4,000	4,000	804	6,700	1998	15,900	15,500	830	26,800
1999	1/				1999	9,000	8,900	879	16,300

1/ Acres harvested too small to warrant an estimate.

## All Cotton: Acreage, Yield, and Production by County

County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production	County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production
			Lbs	Bales				Lbs	Bales
<b>Apache</b>					<b>Mohave</b>				
1993					1993	6,200	6,200	1,246	16,100
1994					1994	6,000	6,000	1,456	18,200
1995					1995	6,400	6,400	1,110	14,800
1996					1996	6,200	6,200	1,084	14,000
1997					1997	1/			
1998					1998	5,000	5,000	826	8,600
1999					1999	4,500	4,500	1,227	11,500
<b>Cochise</b>					<b>Navajo</b>				
1993	14,800	14,700	480	14,700	1993				
1994	1/				1994				
1995	1/				1995				
1996	1/				1996				
1997	1/				1997				
1998	1/				1998				
1999	4,400	4,300	714	6,400	1999				
<b>Coconino</b>					<b>Pima</b>				
1993					1993	13,700	13,700	1,002	28,600
1994					1994	12,600	12,500	1,002	26,100
1995					1995	13,500	13,500	1,017	28,600
1996					1996	14,500	14,400	1,050	31,500
1997					1997	1/			
1998					1998	1/			
1999					1999	1/			
<b>Gila</b>					<b>Pinal</b>				
1993					1993	127,100	126,700	1,033	272,600
1994					1994	122,700	122,500	1,128	287,800
1995					1995	145,600	145,300	993	300,700
1996					1996	132,700	132,400	1,153	318,100
1997					1997	119,900	119,700	1,237	308,600
1998					1998	99,500	98,800	1,208	248,600
1999					1999	108,000	107,600	1,323	296,600
<b>Graham</b>					<b>Santa Cruz</b>				
1993	22,100	22,000	877	40,200	1993				
1994	22,800	22,600	841	39,600	1994				
1995	24,100	23,700	685	33,800	1995				
1996	22,600	22,400	866	40,400	1996				
1997	15,600	15,600	948	30,800	1997				
1998	19,000	18,900	1,186	46,700	1998				
1999	22,900	22,800	1,063	50,500	1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993	800	800	900	1,500	1993				
1994	1/				1994				
1995	1/				1995				
1996	1/				1996				
1997	1/				1997				
1998	1,000	1,000	864	1,800	1998	1/			
1999	1/				1999				
<b>La Paz</b>					<b>Yuma</b>				
1993	34,100	34,100	1,391	98,800	1993	21,900	21,800	1,314	59,700
1994	28,900	28,800	1,260	75,600	1994	23,500	23,300	1,395	67,700
1995	30,200	30,100	1,072	67,200	1995	28,900	28,800	1,255	75,300
1996	28,800	28,700	1,059	63,300	1996	24,600	24,500	1,279	65,300
1997	1/				1997	28,500	28,400	1,421	84,100
1998	1/				1998	23,300	23,100	952	45,800
1999	18,200	18,200	1,279	48,500	1999	24,200	24,200	1,240	62,500
<b>Maricopa</b>					<b>Arizona</b>				
1993	132,300	131,900	1,255	344,800	1993	373,000	372,900	1,132	877,000
1994	130,800	130,600	1,204	327,500	1994	361,000	359,900	1,150	862,400
1995	148,400	147,800	1,058	325,900	1995	413,600	412,100	1,008	865,200
1996	119,100	118,800	1,221	302,200	1996	357,000	355,900	1,150	852,400
1997	124,400	123,900	1,269	327,600	1997	347,000	346,000	1,233	888,800
1998	8,500	83,800	1,194	208,500	1998	265,900	263,500	1,156	634,800
1999	1/				1999	279,000	277,900	1,265	732,300

1/ Publication would risk disclosing proprietary information.

## Upland Cotton: Monthly and Marketing Year Average Prices Received by Growers

	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00
	-----Cents Per Pound-----						
August	51.7	54.5	66.9	67.7	1/	1/	49.1
September	52.3	61.7	73.4	72.9	69.2	67.6	1/
October	51.7	61.2	71.8	67.0	66.6	65.1	46.8
November	52.4	70.3	73.2	68.3	65.0	63.6	45.6
December	54.9	71.4	78.2	72.1	64.0	66.8	43.1
January	58.4	79.9	74.8	68.8	60.6	56.1	49.0
February	64.2	81.3	69.0	69.0	60.9	54.8	48.9
March	62.6	94.8	73.6	73.7	61.4	52.4	1/
April	63.5	1/	72.9	68.8	58.3	55.4	1/
May	67.0	102.3	72.1	70.4	58.2	1/	1/
June	67.0	102.3	71.0	1/	70.3	1/	1/
July	62.8	97.7	71.7	1/	1/	48.6	1/
Marketing year average	58.1	70.6	72.9	69.7	64.7	54.7	45.7

1/ Sales insufficient to establish a price or not published due to non-disclosure rules.

2/ Not available.

## Cottonseed: Monthly and Marketing Year Average Prices Received by Growers

	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00
	-----Dollars per Ton-----						
August	1/	1/	122	1/	1/	1/	1/
September	1/	129	1/	155	1/	1/	1/
October	112	129	1/	155	130	149	138
November	126	129	130	157	137	144	132
December	127	129	133	152	135	152	126
January	130	122	1/	1/	130	148	124
February	1/	1/	1/	1/	1/	142	126
Marketing year average	119	129	131	155	134	148	130

1/ Sales insufficient to establish a price or not published due to non-disclosure rules.

## Durum Wheat: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted for all purposes (Acres)	55,000	95,000	100,000	165,000	90,000	145,000	75,000
<b>For Grain</b>							
Harvested (Acres)	50,000	94,000	99,000	164,000	89,000	144,000	75,000
Yield per acre (Lbs) 1/	5,400	5,460	5,160	5,400	5,400	6,300	5,820
Production (Tons) 1/	135,000	256,620	255,420	442,800	240,300	453,600	218,250
Marketing year average price (Dollars per Ton) 2/	128.30	144.70	157.00	166.70	156.70	150.00	136.70
Value of production (1,000 Dollars)	17,325	37,124	40,101	73,800	37,647	68,040	29,828

1/ Converted from 60-pound bushels and rounded.

2/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.

## Other Wheat: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted for all purposes (Acres)	40,000	30,000	25,000	15,000	10,000	8,000	11,000
<b>For Grain</b>							
Harvested (Acres)	35,000	28,000	23,000	14,000	9,000	8,000	10,000
Yield per acre (Lbs) 1/	5,640	5,640	4,800	5,700	5,100	5,400	6,300
Production (Tons) 1/	98,700	78,960	55,200	39,900	22,950	21,600	31,500
Marketing year average price (Dollars per Ton) 2/	107.70	114.70	125.70	138.30	135.00	108.30	105.00
Value of production (1,000 Dollars)	10,627	9,054	6,937	5,520	3,098	2,340	3,308

1/ Converted from 60-pound bushels and rounded.

2/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.

## All Wheat: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted for all purposes (Acres)	95,000	125,000	125,000	180,000	100,000	153,000	86,000
<b>For Grain</b>							
Harvested (Acres)	85,000	122,000	122,000	178,000	98,000	152,000	85,000
Yield per acre (Lbs) 1/	5,500	5,500	5,090	5,420	5,370	6,250	5,876
Production (Tons) 1/	233,700	335,580	310,620	482,700	263,250	475,200	249,750
Marketing year average price (Dollars per Ton) 2/	119.60	137.60	151.40	164.30	154.80	148.10	132.70
Value of production (1,000 Dollars)	27,952	46,178	47,038	79,320	40,745	70,380	33,136

1/ Converted from 60-pound bushels and rounded.

2/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.

## Durum Wheat: Acreage, Yield, and Production by County

County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production	County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production
			Lbs 1/ Tons 1/					Lbs 1/ Tons 1/	
<b>Apache</b>					<b>Mohave</b>				
1993	2/				1993	2/			
1994					1994				
1995					1995				
1996					1996				
1997					1997				
1998					1998	2/			
1999					1999				
<b>Cochise</b>					<b>Navajo</b>				
1993	2/				1993	2/			
1994	100	1,100	4,360	2,400	1994				
1995	2/				1995				
1996	2/				1996				
1997	2/				1997	2/			
1998	2/				1998	2/			
1999	2/				1999				
<b>Coconino</b>					<b>Pima</b>				
1993	2/				1993	2/			
1994					1994	4,400	4,400	5,690	12,510
1995					1995	3,200	3,100	3,770	5,850
1996					1996	5,500	5,500	5,400	14,850
1997					1997	2/			
1998	2/				1998	2/			
1999					1999	2/			
<b>Gila</b>					<b>Pinal</b>				
1993	2/				1993	18,000	17,500	5,400	47,250
1994					1994	37,000	36,500	5,030	91,800
1995					1995	45,100	44,600	4,420	98,460
1996					1996	56,400	56,000	4,810	134,550
1997					1997	26,600	26,600	4,800	63,840
1998					1998	44,000	43,800	5,660	123,950
1999					1999	16,400	16,400	5,700	46,740
<b>Graham</b>					<b>Santa Cruz</b>				
1993	2/				1993	2/			
1994	2/				1994				
1995	100	1,000	4,200	2,100	1995				
1996	2/				1996				
1997	2/				1997				
1998	2/				1998				
1999	2/				1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993	2/				1993	2/			
1994	2/				1994				
1995					1995				
1996					1996				
1997					1997				
1998	2/				1998	2/			
1999	2/				1999				
<b>La Paz</b>					<b>Yuma</b>				
1993	2,000	2,000	4,800	4,800	1993	7,400	5,400	5,340	14,420
1994	2,100	2,100	6,000	6,300	1994	20,000	19,900	6,030	60,000
1995	3,200	3,200	5,180	8,280	1995	26,800	26,600	6,290	83,610
1996	8,000	8,000	4,880	19,500	1996	47,300	47,000	6,000	141,000
1997	4,600	4,500	5,460	12,290	1997	30,400	29,800	5,820	86,720
1998	112,000	11,100	6,200	34,410	1998	41,600	41,300	6,980	144,140
1999	4,800	4,800	5,820	13,970	1999	35,300	35,300	5,880	103,780
<b>Maricopa</b>					<b>Arizona</b>				
1993	23,000	21,000	5,520	57,960	1993	55,000	50,000	5,400	135,000
1994	30,000	29,600	5,620	83,100	1994	95,000	94,000	5,460	256,620
1995	20,000	19,900	5,570	55,380	1995	100,000	99,000	5,160	255,420
1996	45,500	45,200	5,610	126,750	1996	165,000	164,000	5,400	442,800
1997	25,200	25,100	5,520	69,280	1997	90,000	89,000	5,400	240,300
1998	40,900	40,700	6,430	130,850	1998	145,000	144,000	6,300	453,600
1999	12,000	12,000	5,940	35,640	1999	75,000	75,000	5,820	218,250

1/ Converted from 60-pound bushels and rounded. Numbers may not add due to rounding.

2/ Less than 1,000 acres planted not published.

## Other Wheat: Acreage, Yield, and Production by County 1/

County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production	County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production
			Lbs 2/	Tons 2/				Lbs 2/	Tons 2/
<b>Apache</b>					<b>Mohave</b>				
1993	3/				1993	3/			
1994					1994	3/			
1995					1995	3/			
1996	3/				1996	3/			
1997					1997	3/			
1998					1998				
1999					1999				
<b>Cochise</b>					<b>Navajo</b>				
1993	3/				1993	3/			
1994	3/				1994				
1995	3/				1995				
1996	3/				1996				
1997	3/				1997				
1998	3/				1998				
1999	3/				1999				
<b>Coconino</b>					<b>Pima</b>				
1993	3/				1993	3/			
1994					1994	3/			
1995					1995	1,300	1,200	5,300	3,180
1996					1996	1,000	1,000	5,400	2,700
1997	3/				1997	3/			
1998	3/				1998	3/			
1999					1999	3/			
<b>Gila</b>					<b>Pinal</b>				
1993	3/				1993	3,600	3,400	5,280	8,980
1994	3/				1994	3,000	2,700	4,670	6,300
1995					1995	3/			
1996	3/				1996	2,100	2,100	5,430	5,700
1997					1997	1,600	1,200	4,860	2,920
1998					1998	1,100	1,100	5,280	2,900
1999					1999	1,300	1,100	6,180	3,400
<b>Graham</b>					<b>Santa Cruz</b>				
1993	3/				1993	3/			
1994	3/				1994				
1995					1995	3/			
1996	3/				1996				
1997	3/				1997				
1998	3/				1998				
1999	3/				1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993	3/				1993	3/			
1994					1994				
1995					1995				
1996					1996	3/			
1997					1997				
1998					1998	3/			
1999					1999				
<b>La Paz</b>					<b>Yuma</b>				
1993	5,000	5,000	5,640	14,100	1993	19,600	16,500	5,930	48,960
1994	3,900	3,600	5,420	9,750	1994	15,000	14,200	5,920	42,000
1995	1,500	1,400	6,640	4,650	1995	5,700	5,300	7,070	18,750
1996	3,000	3,000	6,260	9,390	1996	3,000	3,000	6,000	9,000
1997	2,100	1,800	5,460	4,910	1997	2,000	1,900	5,280	5,020
1998	1,500	1,500	5,940	4,460	1998	2,000	2,000	5,670	5,670
1999	4,500	4,100	6,540	13,410	1999	1,400	1,300	6,420	4,170
<b>Maricopa</b>					<b>Arizona</b>				
1993	8,000	7,000	5,820	20,370	1993	40,000	35,000	5,640	98,700
1994	6,000	5,700	5,470	15,600	1994	30,000	28,000	5,640	78,960
1995	15,200	14,100	3,670	25,860	1995	25,000	23,000	4,800	55,200
1996	4,600	4,600	5,280	12,150	1996	15,000	14,000	5,700	39,900
1997	3,600	3,500	4,980	8,720	1997	10,000	9,000	5,100	22,950
1998	3,000	3,000	5,390	8,090	1998	8,000	8,000	5,400	21,600
1999	2,200	2,100	6,060	6,360	1999	11,000	10,000	6,300	31,500

1/ For grain.

2/ Converted from 60-pound bushels and rounded.. Numbers may not add due to rounding.

3/ Less than 1,000 acres planted not published.

## All Wheat: Acreage, Yield, and Production by County 1/

County and Year	Planted Acres	Harvested Acres	Yield		County and Year	Planted Acres	Harvested Acres	Yield	
			per Acre	Production				per Acre	Production
			Lbs 2/	Tons 2/				Lbs 2/	Tons 2/
<b>Apache</b>					<b>Mohave</b>				
1993	3/				1993	600	600	3,700	1,110
1994					1994	3/			
1995					1995	3/			
1996	3/				1996	3/			
1997					1997	3/			
1998					1998	3/			
1999					1999				
<b>Cochise</b>					<b>Navajo</b>				
1993	3/				1993	900	800	3,150	1,260
1994	1,300	1,200	4,400	2,640	1994				
1995	3/				1995				
1996	1,100	1,100	5,180	2,850	1996				
1997	3/				1997	3/			
1998	3/				1998	3/			
1999	1,200	1,100	5,870	3,230	1999				
<b>Coconino</b>					<b>Pima</b>				
1993	3/				1993	3,000	2,900	5,570	8,070
1994					1994	4,400	4,400	5,690	12,510
1995					1995	4,500	4,300	4,200	9,030
1996					1996	6,500	6,500	5,400	17,550
1997	3/				1997	2,850	2,750	5,390	7,410
1998	3/				1998	5,700	5,600	5,670	15,880
1999					1999	5,900	5,800	5,510	15,970
<b>Gila</b>					<b>Pinal</b>				
1993	3/				1993	21,600	20,900	5,380	56,230
1994	3/				1994	40,000	39,200	5,000	98,100
1995					1995	45,900	45,200	4,430	100,110
1996	3/				1996	58,500	58,100	4,830	140,250
1997					1997	28,200	27,800	4,800	66,760
1998					1998	45,100	44,900	5,650	126,860
1999					1999	17,700	17,500	5,730	50,140
<b>Graham</b>					<b>Santa Cruz</b>				
1993	1,100	1,000	5,620	2,810	1993	3/			
1994	1,800	1,600	6,260	5,010	1994				
1995	1,100	1,000	4,200	2,100	1995	3/			
1996	1,500	1,500	5,680	4,260	1996				
1997	3/				1997				
1998	3/				1998				
1999					1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993	3/				1993	1,200	800	3,150	1,260
1994	3/				1994				
1995					1995				
1996					1996	3/			
1997					1997				
1998	3/				1998	3/			
1999	3/				1999				
<b>La Paz</b>					<b>Yuma</b>				
1993	7,000	7,000	5,400	18,900	1993	27,000	21,900	5,790	63,380
1994	6,000	5,700	5,630	16,050	1994	35,000	34,100	5,980	102,000
1995	4,700	4,600	5,620	12,930	1995	32,500	31,900	6,420	102,360
1996	11,000	11,000	5,520	28,890	1996	50,300	50,000	6,000	150,000
1997	6,700	6,300	5,460	17,200	1997	32,400	31,700	5,790	91,730
1998	12,700	12,600	6,170	38,870	1998	43,600	43,300	6,920	149,810
1999	9,300	8,900	6,150	27,380	1999	36,700	36,600	5,900	107,960
<b>Maricopa</b>					<b>Arizona</b>				
1993	31,000	28,000	5,600	78,330	1993	95,000	85,000	5,500	233,700
1994	36,000	35,300	5,590	98,700	1994	125,000	122,000	5,500	335,580
1995	35,200	34,000	4,780	81,240	1995	125,000	122,000	5,090	310,620
1996	50,100	49,800	5,250	138,900	1996	180,000	178,000	5,420	482,700
1997	28,800	28,600	5,450	77,990	1997	100,000	98,000	5,370	263,250
1998	43,900	43,700	6,360	138,930	1998	153,000	152,000	6,250	475,200
1999	14,200	14,100	5,960	42,000	1999	86,000	85,000	5,870	249,750

1/ For grain.

2/ Converted from 60-pound bushels and rounded. Numbers may not add due to rounding.

3/ Less than 1,000 acres planted not published.

## Barley: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted for all purposes (Acres)	32,000	35,000	25,000	55,000	70,000	58,000	63,000
<b>For Grain</b>							
Harvested (Acres)	29,000	33,000	21,000	54,000	67,000	56,000	62,000
Yield per acre (Lbs) 1/	4,800	4,560	4,320	5,040	4,900	5,280	5,470
Production (Tons) 1/	69,600	75,240	45,360	136,080	164,020	147,840	169,630
Marketing year average price (\$ per Ton) 2/	107.00	118.80	122.90	147.90	120.80	102.10	100.00
Value of production (1,000 Dollars)	7,450	8,935	5,576	20,129	19,819	15,092	16,963

1/ Converted from 48-pound bushels and rounded.

2/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.

## Corn: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted for all purposes (Acres)	19,000	28,000	30,000	55,000	60,000	50,000	50,000
<b>For Grain</b>							
Harvested (Acres)	10,000	15,000	22,000	40,000	40,000	30,000	30,000
Yield per acre (Lbs) 1/	8,960	9,520	9,520	9,800	9,240	9,800	10,920
Production (Tons) 1/	44,800	71,400	104,720	196,000	184,800	147,000	163,800
Marketing year average price (\$ per Ton) 2/	111.10	116.10	132.10	130.40	114.30	98.20	92.80
Value of production (1,000 Dollars)	4,976	8,288	13,838	25,550	21,120	14,438	15,210

1/ Converted from 56-pound bushels and rounded.

2/ Average price for the September through August marketing season. Prices do not include an allowance for loans outstanding and government purchases.

## Corn for Silage: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Harvested (Acres)	9,000	13,000	8,000	15,000	18,000	19,000	19,000
Yield per acre (Tons)	27.0	28.0	26.0	27.0	25.5	26.5	23.0
Production (Tons)	243,000	364,000	208,000	405,000	459,000	504,000	437,000
Marketing year average price (\$ per Ton)	35.00	25.00	32.00	30.00	35.00	31.00	29.00
Value of production (1,000 Dollars)	8,500	9,100	6,656	12,150	16,065	15,625	12,673

## Barley: Acreage, Yield, and Production by County 1/

County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production	County and Year	Planted Acres	Harvested Acres	Yield per Acre	Production
			Lbs 2/	Tons 2/				Lbs 2/	Tons 2/
<b>Apache</b>					<b>Mohave</b>				
1993	3/				1993				
1994	3/				1994				
1995	3/				1995				
1996	3/				1996				
1997					1997				
1998	3/				1998				
1999	3/				1999	3/			
<b>Cochise</b>					<b>Navajo</b>				
1993	2,100	1,800	3,330	3,000	1993	3/			
1994	1,700	1,600	5,100	4,080	1994				
1995	2,000	1,400	4,870	3,410	1995				
1996	4,800	4,800	5,000	12,000	1996	3/			
1997	2,700	2,500	5,230	6,540	1997				
1998	3,200	3,100	5,320	8,250	1998	3/			
1999	4,000	4,000	5,040	10,080	1999				
<b>Coconino</b>					<b>Pima</b>				
1993					1993	3/			
1994					1994	3/			
1995					1995	3/			
1996					1996	1,000	1,000	4,700	2,350
1997					1997	1,500	1,400	4,750	3,330
1998	3/				1998	1,200	1,200	5,300	3,180
1999	3/				1999	1,700	1,600	5,280	4,220
<b>Gila</b>					<b>Pinal</b>				
1993					1993	11,300	10,800	4,950	26,710
1994					1994	15,300	14,900	4,410	32,880
1995					1995	9,000	8,000	4,770	19,060
1996	3/				1996	26,000	26,000	5,190	67,440
1997	3/				1997	31,300	30,100	4,990	75,130
1998	3/				1998	25,900	25,700	5,360	68,880
1999					1999	27,800	27,400	5,520	75,620
<b>Graham</b>					<b>Santa Cruz</b>				
1993	1,000	900	4,850	2,180	1993				
1994	3/				1994				
1995	3/				1995				
1996	1,400	1,400	5,760	4,030	1996				
1997	2,100	1,900	5,710	5,430	1997				
1998	2,000	2,000	6,180	6,180	1998				
1999	2,500	2,500	5,280	6,600	1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993	3/				1993	3/			
1994	3/				1994	3/			
1995	3/				1995	3/			
1996	3/				1996	3/			
1997	1,700	1,600	5,470	4,380	1997	3/			
1998	1,100	900	5,280	2,380	1998	3/			
1999	3/				1999	3/			
<b>La Paz</b>					<b>Yuma</b>				
1993	4/				1993	2,300	2,000	4,780	4,780
1994	4/				1994	2,000	2,000	5,640	5,640
1995					1995	1,500	1,400	4,110	2,880
1996	4/				1996	2,300	2,300	5,220	6,000
1997	3/				1997	3,600	3,300	4,940	8,160
1998	3/				1998	3,100	2,200	5,300	5,830
1999	3/				1999	3,000	2,900	5,520	8,000
<b>Maricopa</b>					<b>Arizona</b>				
1993	13,800	13,100	4,910	32,160	1993	32,000	29,000	4,800	69,600
1994	13,500	13,000	4,370	28,420	1994	35,000	33,000	4,560	75,240
1995	11,000	9,300	4,050	18,840	1995	25,000	21,000	4,320	45,360
1996	18,400	18,400	4,790	44,090	1996	55,000	54,000	5,040	136,080
1997	26,400	25,600	4,660	59,600	1997	70,000	67,000	4,900	164,020
1998	20,200	20,000	5,070	50,700	1998	58,000	56,000	5,280	147,840
1999	22,700	22,400	5,520	61,820	1999	63,000	62,000	5,470	169,630

1/ For grain.

2/ Converted from 48-pound bushels and rounded. Numbers may not add due to rounding.

3/ Less than 1,000 acres planted not published.

4/ Acreage and production included in Yuma County to avoid disclosure of individual operations.

## Corn: Acreage, Yield, and Production by County

County and Year	----- For Grain -----				County and Year	----- For Grain -----			
	Planted for All Purpose	Harvested Acres	Yield	Production		Planted for All Purpose	Harvested Acres	Yield	Production
			Lbs 1/	Tons 1/				Lbs 1/	Tons 1/
<b>Apache</b>					<b>Mohave</b>				
1993	2/				1993				
1994					1994				
1995					1995				
1996	2/				1996	2/			
1997	2/				1997	2/			
1998	2/				1998				
1999	2/				1999				
<b>Cochise</b>					<b>Navajo</b>				
1993	7,300	5,000	9,300	23,240	1993	2/			
1994	11,500	10,100	9,700	49,000	1994	2/			
1995	9,500	9,400	10,790	50,680	1995	2/			
1996	18,000	17,500	10,640	93,100	1996	2/			
1997	18,500	18,500	10,580	97,900	1997	2/			
1998	15,100	15,100	10,640	80,330	1998	2/			
1999	18,000	17,200	11,600	99,740	1999	2/			
<b>Coconino</b>					<b>Pima</b>				
1993					1993				
1994					1994				
1995					1995				
1996					1996	2/			
1997					1997	1,000	900	7,110	3,200
1998	2/				1998	2/			
1999					1999	2/			
<b>Gila</b>					<b>Pinal</b>				
1993					1993	1,300	400	6,440	1,290
1994					1994	1,500	2/		
1995					1995	2,000	2/		
1996	2/				1996	6,500	3,100	9,970	15,460
1997	2/				1997	7,300	3,200	8,400	13,440
1998					1998	7,600	3,400	8,400	14,280
1999					1999	6,700	3,000	10,080	15,120
<b>Graham</b>					<b>Santa Cruz</b>				
1993	3,500	3,000	9,520	14,280	1993				
1994	3,400	2,500	9,540	11,930	1994				
1995	3,700	3,600	8,930	16,070	1995				
1996	3,400	3,100	8,740	13,550	1996				
1997	5,400	4,100	8,180	16,760	1997				
1998	3,900	3,900	9,180	17,910	1998				
1999	4,800	4,000	10,570	21,140	1999				
<b>Greenlee</b>					<b>Yavapai</b>				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	900	800	7,840	3,140	1996	2/			
1997	1,800	400	6,890	1,380	1997	2/			
1998	2/				1998	2/			
1999	2/				1999	2/			
<b>La Paz</b>					<b>Yuma</b>				
1993	2/				1993	2/			
1994	2/				1994	1,800	1,600	8,820	7,060
1995	2/				1995	2,800	2,600	9,910	12,880
1996	1,000	1,000	8,400	4,200	1996	6,000	5,800	9,240	26,800
1997	2/				1997	7,200	7,100	7,900	28,030
1998	2/				1998	5,700	4,600	9,520	21,900
1999	2/				1999	3,600	3,400	10,130	17,220
<b>Maricopa</b>					<b>Arizona</b>				
1993	5,400	600	7,000	2,100	1993	19,000	10,000	8,960	44,800
1994	8,100	2/			1994	28,000	15,000	9,520	71,400
1995	9,900	3,900	7,340	14,310	1995	30,000	22,000	9,520	104,720
1996	17,700	7,600	9,240	35,110	1996	55,000	40,000	9,800	196,000
1997	16,800	4,400	8,460	18,600	1997	60,000	40,000	9,240	184,800
1998	14,600	1,300	8,570	5,570	1998	50,000	30,000	9,800	147,000
1999	14,500	1,000	8,960	4,480	1999	50,000	30,000	10,920	163,800

1/ Converted from 56-pound bushels and rounded. Numbers may not add due to rounding.

2/ Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

## Grain Stocks: Off-Farm Storage Facilities

	1993	1994	1995	1996	1997	1998	1999
	----- December 1 -----						
Facilities (Number) 1/	35	33	33	31	30	29	28
Storage capacity (Tons)	633,250	557,500	615,000	575,500	573,750	554,250	563,750

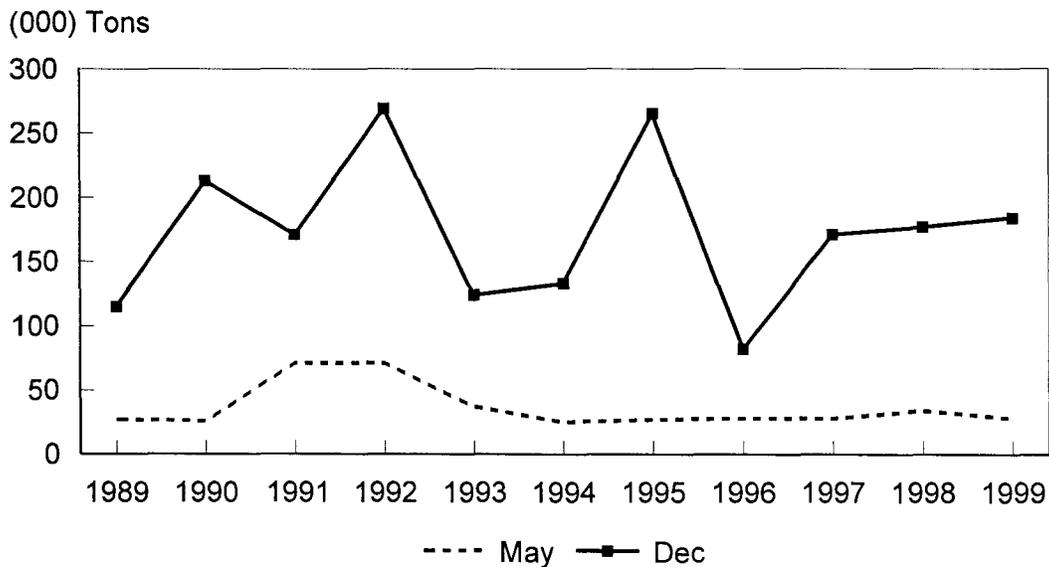
1/ Includes mills, elevators, warehouses, terminals, processors, and commercial feedlots.

## Hay Stocks: On-Farm

	1993	1994	1995	1996	1997	1998	1999
	----- Tons -----						
May 1 1/	37,000	25,000	27,000	28,000	28,000	34,000	28,000
December 1	124,000	133,000	265,000	82,000	171,000	177,000	184,000

1/ Includes old crop only.

### Arizona On-Farm Hay Stocks 1989-1999



## All Hay: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999
Harvested (Acres)	185,000	195,000	195,000	179,000	230,000	240,000	240,000
Yield per acre (Tons)	6.68	6.80	7.14	7.53	7.42	7.25	7.30
Production (Tons)	1,236,000	1,326,000	1,392,000	1,347,000	1,706,000	1,740,000	1,752,000
Marketing year average price (Dollars per Ton) 2/	92.50	100.00	78.50	94.00	111.00	89.50	89.00
Value of production (1,000 Dollars)	114,432	133,554	109,496	126,592	187,594	158,160	152,386

1/ Does not include green chop or grazed.

2/ Average price for the April through March marketing season.

## All Hay: Monthly and Marketing Year Average Prices Received by Growers 1/

	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00 2/
	----- Dollars per Ton -----						
April	100.00	112.00	91.00	100.00	140.00	115.00	94.00
May	95.00	96.00	88.00	92.00	127.00	107.00	103.00
June	76.00	95.00	73.00	85.00	106.00	104.00	94.00
July	80.00	90.00	69.00	80.00	103.00	84.00	86.00
August	78.00	90.00	64.00	80.00	96.00	71.00	86.00
September	82.00	101.00	65.00	83.00	88.00	67.00	75.00
October	90.00	103.00	77.00	97.00	98.00	65.00	84.00
November	99.00	104.00	81.00	107.00	97.00	68.00	82.00
December	109.00	115.00	84.00	99.00	105.00	72.00	76.00
January	108.00	107.00	82.00	116.00	110.00	80.00	81.00
February	126.00	103.00	85.00	124.00	107.00	89.00	83.00
March	116.00	98.00	97.00	124.00	105.00	105.00	94.00
Marketing year average	92.50	100.00	78.50	94.00	111.00	89.50	89.00

1/ Does not include green chop or grazed.

2/ Preliminary for 1999/00.

## Alfalfa Hay: Monthly and Marketing Year Average Prices Received by Growers 1/

	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00 2/
	----- Dollars per Ton -----						
April	101.00	115.00	91.00	101.00	141.00	115.00	95.00
May	91.00	98.00	88.00	92.00	127.00	109.00	103.00
June	79.00	98.00	73.00	85.00	106.00	104.00	94.00
July	79.00	93.00	69.00	82.00	104.00	84.00	86.00
August	78.00	92.00	64.00	81.00	96.00	70.00	87.00
September	82.00	104.00	65.00	84.00	90.00	67.00	75.00
October	90.00	105.00	77.00	98.00	99.00	64.00	85.00
November	99.00	108.00	81.00	109.00	100.00	68.00	82.00
December	109.00	118.00	84.00	100.00	106.00	73.00	76.00
January	108.00	109.00	87.00	119.00	110.00	80.00	82.00
February	126.00	104.00	87.00	126.00	108.00	90.00	84.00
March	116.00	99.00	97.00	125.00	105.00	105.00	94.00
Marketing year average	93.50	103.00	79.00	95.00	112.00	89.50	88.50

1/ Does not include green chop or grazed.

2/ Preliminary for 1999/00.

## Other Hay: Monthly and Marketing Year Average Prices Received by Growers 1/

	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00 2/
	----- Dollars per Ton -----						
April	91.00	100.00	90.00	63.00	74.00	3/	70.00
May	114.00	3/	67.00	96.00	132.00	61.00	98.00
June	55.00	3/	66.00	93.00	98.00	86.00	85.00
July	82.00	60.00	71.00	53.00	95.00	114.00	82.00
August	82.00	73.00	62.00	47.00	94.00	100.00	63.00
September	85.00	3/	73.00	62.00	80.00	63.00	75.00
October	---	3/	85.00	69.00	67.00	89.00	65.00
November	---	3/	73.00	87.00	68.00	90.00	82.00
December	---	3/	80.00	75.00	80.00	66.00	65.00
January	---	3/	73.00	60.00	102.00	70.00	58.00
February	---	3/	70.00	60.00	91.00	80.00	76.00
March	---	3/	73.00	50.00	86.00	95.00	84.00
Marketing year average	84.50	79.00	74.50	74.50	88.50	78.50	73.00

1/ Does not include green chop or grazed.

2/ Preliminary for 1999/00.

3/ Sales insufficient to establish a price or not published due to non-disclosure rules.

## Alfalfa Hay: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		----- Tons -----				----- Tons -----	
<b>Apache</b>				<b>Mohave</b>			
1993	1,500	3.0	4,500	1993	6,000	6.7	40,000
1994	1,000	3.0	3,000	1994	8,000	7.0	56,000
1995	2/			1995	7,000	7.8	54,600
1996	2/			1996	5,000	8.0	40,000
1997	2/			1997	5,800	6.9	40,000
1998	2/			1998	5,600	8.0	44,800
1999	2/			1999	5,400	7.5	40,300
<b>Cochise</b>				<b>Navajo</b>			
1993	5,000	5.8	29,000	1993	1,700	3.8	6,500
1994	6,000	6.0	36,000	1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	4,200	7.5	31,500	1998	2/		
1999	4,500	6.4	29,000	1999	2/		
<b>Coconino</b>				<b>Pima</b>			
1993	500	6.0	3,000	1993	3,000	9.3	28,000
1994	2/			1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	2/			1998	2/		
1999	2/			1999	2/		
<b>Gila</b>				<b>Pinal</b>			
1993	500	5.0	2,500	1993	14,000	7.6	106,000
1994	2/			1994	17,500	7.5	132,000
1995	2/			1995	22,000	6.4	140,000
1996	2/			1996	17,000	7.8	132,000
1997	2/			1997	22,500	8.4	189,000
1998	2/			1998	24,800	8.0	198,200
1999	2/			1999	24,500	8.5	207,000
<b>Graham</b>				<b>Santa Cruz</b>			
1993	2,000	6.0	12,000	1993	2/		
1994	2/			1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	2/			1998	2/		
1999	2/			1999	2/		
<b>Greenlee</b>				<b>Yavapai</b>			
1993	2/			1993	1,500	6.0	9,000
1994	2/			1994	1,000	5.0	5,000
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	2/			1998	2/		
1999	2/			1999	2/		
<b>La Paz</b>				<b>Yuma</b>			
1993	40,500	7.5	305,000	1993	30,000	8.1	243,000
1994	40,000	7.5	300,000	1994	28,000	8.6	240,000
1995	35,000	7.4	259,000	1995	29,400	9.0	265,000
1996	33,500	8.4	280,000	1996	36,000	8.1	291,000
1997	54,300	8.5	461,600	1997	31,100	9.0	279,800
1998	63,200	8.5	537,200	1998	31,000	7.7	238,700
1999	61,500	7.8	477,000	1999	30,000	8.3	249,000
<b>Maricopa</b>				<b>Arizona</b>			
1993	43,000	7.4	316,000	1993	150,000	7.4	1,110,000
1994	51,000	7.5	384,000	1994	160,000	7.5	1,200,000
1995	55,500	8.5	472,000	1995	165,000	7.8	1,287,000
1996	54,000	8.4	453,000	1996	160,000	8.0	1,280,000
1997	56,000	8.4	470,400	1997	190,000	8.2	1,558,000
1998	59,000	8.0	472,000	1998	200,000	8.0	1,600,000
1999	62,000	8.2	507,000	1999	200,000	7.9	1,580,000

1/ Does not include green chop or grazed

2/ Acres harvested too small to warrant estimate.

## Other Hay: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		----- Tons -----				----- Tons -----	
<b>Apache</b>				<b>Mohave</b>			
1993	1,500	2.3	3,500	1993	1,400	5.0	7,000
1994	1,000	2.0	2,000	1994	1,900	3.7	7,000
1995	2/			1995	1,300	3.1	4,000
1996	2/			1996	1,000	3.2	3,200
1997	2/			1997	1,500	3.6	5,400
1998	2/			1998	1,900	4.0	7,600
1999	2/			1999	1,200	4.6	5,500
<b>Cochise</b>				<b>Navajo</b>			
1993	600	3.3	2,000	1993	500	4.0	2,000
1994	1,000	3.0	3,000	1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	1,200	3.0	3,600	1998	2/		
1999	1,400	4.1	5,700	1999	2/		
<b>Coconino</b>				<b>Pima</b>			
1993	600	3.3	2,000	1993	500	4.0	2,000
1994	2/			1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	2/			1998	2/		
1999	2/			1999	2/		
<b>Gila</b>				<b>Pinal</b>			
1993	500	3.0	1,500	1993	1,500	3.3	5,000
1994	2/			1994	1,300	3.1	4,000
1995	2/			1995	1,800	3.6	6,500
1996	2/			1996	1,000	3.8	3,800
1997	2/			1997	3,700	3.0	11,100
1998	2/			1998	2,500	3.0	7,500
1999	2/			1999	2,600	3.9	10,000
<b>Graham</b>				<b>Santa Cruz</b>			
1993	500	4.0	2,000	1993	2/		
1994	2/			1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	2/			1998	2/		
1999	2/			1999	2/		
<b>Greenlee</b>				<b>Yavapai</b>			
1993	2/			1993	1,200	3.8	4,500
1994	2/			1994	1,000	3.0	3,000
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
1998	2/			1998	2/		
1999	2/			1999	2/		
<b>La Paz</b>				<b>Yuma</b>			
1993	7,000	4.7	33,000	1993	13,000	2.7	35,000
1994	6,000	3.7	22,000	1994	15,500	3.8	59,000
1995	5,000	4.0	20,000	1995	14,000	3.3	46,000
1996	2,500	2.8	7,000	1996	8,800	4.0	35,000
1997	6,100	4.0	24,400	1997	16,600	3.5	58,100
1998	6,400	4.5	28,800	1998	17,900	3.0	53,700
1999	3,800	5.3	20,000	1999	20,500	4.0	82,000
<b>Maricopa</b>				<b>Arizona</b>			
1993	5,500	4.4	24,000	1993	35,000	3.6	12,600
1994	4,500	4.0	18,000	1994	35,000	3.6	12,600
1995	5,000	4.2	20,800	1995	30,000	3.5	10,500
1996	2,800	3.3	9,100	1996	19,000	3.5	6,700
1997	7,200	4.5	32,400	1997	40,000	3.7	14,800
1998	6,700	4.0	26,800	1998	40,000	3.5	14,000
1999	7,900	4.8	38,000	1999	40,000	4.3	17,200

1/ Does not include green chop or grazed

2/ Acres harvested too small to warrant estimate.

## All Hay: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		----- Tons -----				----- Tons -----	
<b>Apache</b>				<b>Mohave</b>			
1993	3,000	2.7	8,000	1993	7,400	6.4	47,000
1994	2,000	2.5	5,000	1994	9,900	6.4	63,000
1995	1,700	2.7	4,500	1995	8,300	7.1	58,600
1996	1,300	3.1	4,000	1996	6,000	7.2	43,200
1997	3,900	3.1	12,000	1997	7,300	6.2	45,400
1998	2,900	3.1	8,900	1998	7,500	7.0	52,400
1999	3,400	3.8	12,900	1999	6,600	6.9	45,800
<b>Cochise</b>				<b>Navajo</b>			
1993	5,600	5.5	31,000	1993	2,200	3.9	8,500
1994	7,000	5.6	39,000	1994	1,700	2.9	5,000
1995	7,900	5.2	41,200	1995	1,000	3.9	3,900
1996	5,500	6.2	34,000	1996	1,200	5.3	6,400
1997	6,800	6.2	42,200	1997	3,100	4.2	12,900
1998	5,400	6.5	35,100	1998	3,800	5.6	21,300
1999	5,900	5.9	34,700	1999	3,100	4.7	14,600
<b>Coconino</b>				<b>Pima</b>			
1993	1,100	4.6	5,000	1993	3,500	8.6	30,000
1994	1,000	3.0	3,000	1994	2,400	7.9	19,000
1995	2/			1995	1,500	8.5	12,800
1996	2/			1996	2,000	6.5	13,000
1997	1,000	4.1	4,100	1997	2,200	6.9	15,200
1998	1,000	4.2	4,200	1998	1,600	7.0	11,200
1999	2/			1999	1,700	7.0	11,900
<b>Gila</b>				<b>Pinal</b>			
1993	1,000	4.0	4,000	1993	15,500	7.2	111,000
1994	1,100	2.7	3,000	1994	18,800	7.2	136,000
1995	2/			1995	23,800	6.2	146,500
1996	2/			1996	18,000	7.5	135,800
1997	2/			1997	26,200	7.6	200,100
1998	2/			1998	27,300	7.5	205,900
1999	2/			1999	27,100	8.0	217,000
<b>Graham</b>				<b>Santa Cruz</b>			
1993	2,500	5.6	14,000	1993	700	5.0	3,500
1994	2,400	5.0	12,000	1994	700	5.0	3,500
1995	2,600	6.6	17,100	1995	2/		
1996	3,000	6.3	19,000	1996	2/		
1997	4,100	6.5	26,800	1997	2/		
1998	3,600	7.7	27,600	1998	2/		
1999	3,200	7.8	24,900	1999	2/		
<b>Greenlee</b>				<b>Yavapai</b>			
1993	800	5.6	4,500	1993	2,700	5.0	13,500
1994	1,000	6.5	6,500	1994	2,000	4.0	8,000
1995	1,100	8.9	9,800	1995	1,800	4.9	8,800
1996	2/			1996	2/		
1997	2/			1997	2,500	4.4	11,100
1998	2/			1998	1,600	5.0	8,000
1999	2/			1999	1,100	5.3	5,800
<b>La Paz</b>				<b>Yuma</b>			
1993	47,500	7.1	338,000	1993	43,000	6.5	278,000
1994	46,000	7.0	322,000	1994	43,500	6.9	299,000
1995	40,000	7.0	279,000	1995	43,400	7.2	311,000
1996	36,000	8.0	287,000	1996	44,800	7.3	326,000
1997	60,400	8.1	486,000	1997	47,700	7.1	337,000
1998	69,600	8.1	566,000	1998	48,900	6.0	292,400
1999	65,300	7.6	497,000	1999	50,500	6.6	331,000
<b>Maricopa</b>				<b>Arizona</b>			
1993	48,500	7.0	340,000	1993	185,000	6.7	1,236,000
1994	55,500	7.2	402,000	1994	195,000	6.8	1,326,000
1995	60,500	8.2	492,800	1995	195,000	7.1	1,392,000
1996	56,800	8.1	462,100	1996	179,000	7.5	1,347,000
1997	63,200	8.0	502,800	1997	230,000	7.4	1,706,000
1998	65,700	7.6	498,800	1998	240,000	7.3	1,740,000
1999	69,900	7.8	545,000	1999	240,000	7.3	1,752,000

1/ Does not include green chop or grazed

2/ Acres harvested too small to warrant estimate.

## Other Field Crops: Acreage and Production

	1993	1994	1995	1996	1997	1998	1999
<b>Dry Beans</b>							
Harvested (Acres)	1,500	7,300	7,100	3,800	2,700	2,800	3,700
Production (1,000 Cwt)	33	124	121	65	40	45	67
<b>Jojoba</b>							
Harvested (Acres)	10,000	6,000	6,000	6,000	6,000	4,800	3,800
Production (1,000 Lbs)	2,000	1,800	1,800	1,800	1,800	1,525	1,140
<b>Oats for Grain</b>							
Harvested (Acres)	3,000	4,500	3,500	2,000	4,200	3,600	2,800
Production (1,000 Lbs)	9,000	11,700	14,000	8,000	8,125	10,075	8,400
<b>Peanuts</b>							
Harvested (Acres)	850	1,000	800	800	525	500	750
Production (1,000 Lbs)	2,975	2,500	1,720	1,760	1,415	1,320	2,025
<b>Safflower</b>							
Harvested (Acres)	17,200	6,000	4,000	3,000	2,000	3,500	5,500
Production (1,000 Tons)	21.5	5.5	5.0	4.1	2.4	3.9	6.6
<b>Sorghum Grain</b>							
Harvested (Acres)	20,000	15,000	12,000	45,000	22,000	14,000	5,000
Production (1,000 Tons)	30.0	19.5	24.0	94.5	27.5	27.5	8.0
<b>Sorghum Silage</b>							
Harvested (Acres)	3,000	5,000	8,000	6,000	1,600	2,800	4,100
Production (1,000 Tons)	75.0	75.0	160.0	120.0	27.0	53.0	70.0
<b>Miscellaneous Seeds</b>							
Harvested (Acres)	14,250	19,200	18,600	15,800	16,000	17,000	16,800
Production 1/							

1/ Production not published due to the different units of production. Source: Statistics developed with the assistance of the Arizona Cooperative Extension Service, growers, and dealers.

## Vegetables, Melons, and Potatoes

Arizona has a unique place in the agricultural industry in that it is capable of producing an ever increasing variety of vegetables nearly year round. With mild winters in the lower elevations and the cooler summer temperatures in the higher elevations, Arizona produces an impressive variety of vegetables and melons throughout the year. Nationally, Arizona ranked third in the production of fresh market vegetables and second to only California in the production of head lettuce, leaf and romaine lettuce, broccoli, cauliflower, cantaloupes and honeydews.

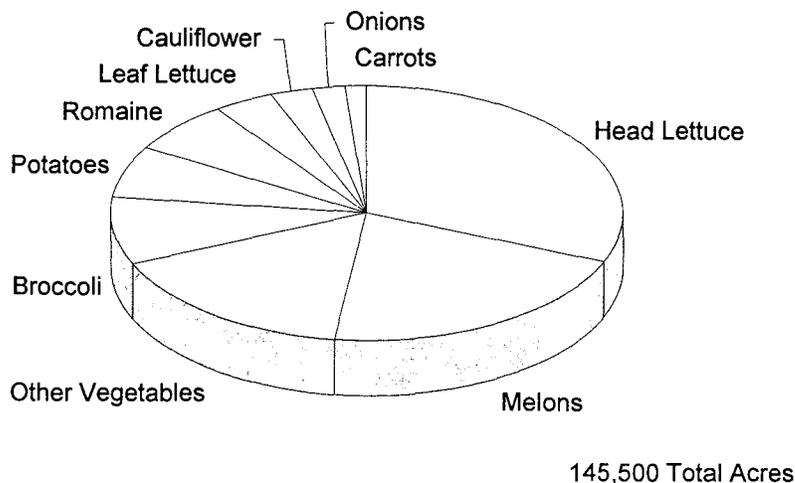
During 1999 145,000 harvested acres were devoted to vegetables (including potatoes) and melon crops in Arizona; a decrease of 2 percent from a year earlier. Western head lettuce was the leader in acreage with 44,000 acres harvested, a decrease of 7,000 acres from 1998. Cantaloupe acreage totaled 18,500, unchanged from the previous year and the second ranking crop in terms of acreage harvested. Other commodities having the same harvested acreage as last year include romaine lettuce and honeydew. Crops showing

increases in acreage from a year earlier include broccoli, cauliflower, dry onion, and potatoes. Among the major vegetable crops, others with acreage below the previous year include leaf lettuce, other head lettuce, carrots and watermelon.

The total value of all vegetables produced in Arizona during 1999 totaled over \$610 million, a decrease of 15 percent from the previous year. With the exception of broccoli, cauliflower, cantaloupe, honeydew and potatoes, the primary vegetables and melons reflected decreases in receipts. In general, average prices received for most crops decreased from average prices in 1998.

"Miscellaneous" and "other" vegetables were harvested from 24,000 acres with a value of \$89.9 million, which represents 15 percent of the total value of all vegetables produced in Arizona. The most significant vegetables among these in terms of acres harvested were cabbage, chile peppers, radishes, spinach, and sweet corn.

**Arizona Vegetable & Melon Harvested Acres  
1998-99 Season**



## Head Lettuce Western: Acreage, Yield, Production, and Value 1/

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Planted (Acres)	47,500	50,500	41,700	57,000	52,000	51,000	45,000
Harvested (Acres)	47,500	50,000	41,700	57,000	51,800	51,000	44,000
Yield per acre (Cwt)	275	315	410	285	325	350	335
Production (1,000 Cwt)	13,063	15,750	17,097	16,245	16,835	17,850	14,740
Marketing year average price (\$/Cwt) 2/	14.40	9.20	20.70	13.10	11.60	15.80	12.20
Value of production (1,000 Dollars)	188,107	144,270	353,908	212,810	195,286	282,030	179,828

1/ Yuma county is the sole producer of western head lettuce.

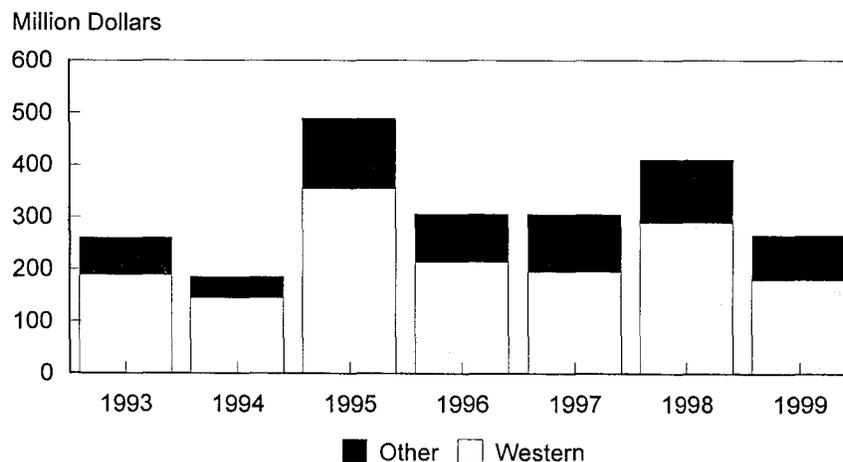
2/ Average price for the November through April marketing season.

## Head Lettuce Western: Monthly and Season Average Prices Received by Growers

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
	-----Dollars per Cwt-----						
October	1/	1/	1/	8.70	1/	1/	1/
November	10.70	8.28	24.60	11.50	12.40	1/	8.40
December	15.70	7.98	37.00	17.10	8.65	23.20	11.70
January	11.00	8.05	13.00	9.03	14.80	18.80	9.90
February	18.60	11.90	9.13	17.20	9.40	10.70	15.40
March	14.50	9.60	23.60	12.80	13.40	11.60	13.40
April	20.50	8.55	1/	1/	13.70	24.40	20.00
May	1/	1/	1/	1/	1/	13.10	1/
Season Average	14.40	9.20	20.70	13.10	11.60	15.80	12.20

1/ No movement reported.

### Arizona Value of Lettuce Production 1993-1999



## Head Lettuce Other, Spring: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt	County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt
<b>Cochise</b>				<b>Pima 2/</b>			
1993	600	158	95	1993	200	170	34
1994	300	270	81	1994	300	177	53
1995	900	249	224	1995	300	353	106
1996	500	244	122	1996	250	208	52
1997	800	207	166	1997	600	164	98
1998	1,500	222	333	1998	600	208	125
1999	400	340	136	1999	600	382	229
<b>Maricopa</b>				<b>Pinal</b>			
1993	0			1993	100	220	22
1994	100	280	28	1994	200	255	5
1995	0			1995	0		
1996	200	255	51	1996	150	233	35
1997	2/			1997	500	176	88
1998	2/			1998	500	206	103
1999	2/			1999	0		

1/ 'Head lettuce other' refers to lettuce produced in all areas of the state except Yuma county. Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

2/ Includes Maricopa County to avoid disclosure of individual operations.

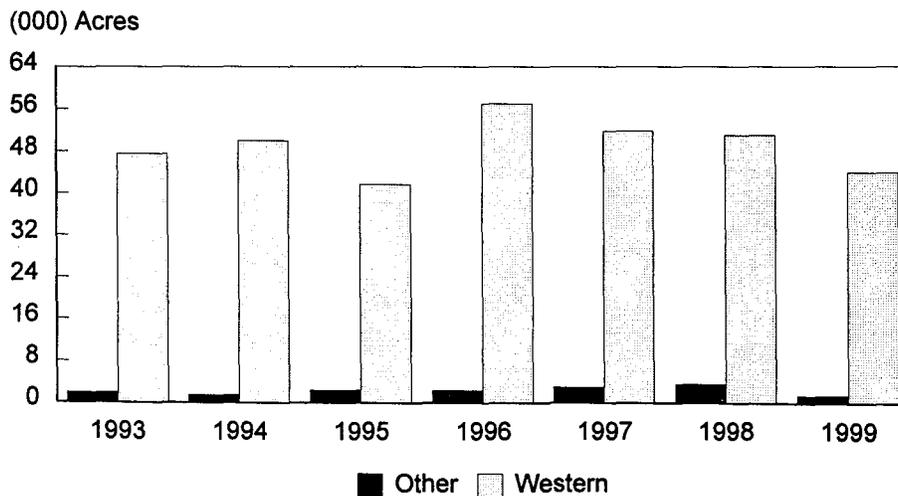
## Head Lettuce Other, Spring: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	900	900	1,200	1,100	1,900	3,000	1,000
Harvested (Acres)	900	900	1,200	1,100	1,900	3,000	1,000
Yield per acre (Cwt)	168	237	275	236	185	211	365
Production (1,000 Cwt)	151	213	330	260	352	549	365
Marketing year average price (Dollar per Cwt) 2/	17.00	9.63	41.60	13.00	11.50	24.90	10.20
Value of production (1,000 Dollars)	2,567	2,051	13,728	3,380	4,048	13,670	3,723

1/ 'Head lettuce other' refers to lettuce produced in all areas of the state except Yuma County.

2/ Average price for the March through June marketing season.

### Arizona Head Lettuce Harvested Acres 1993-1999



### Head Lettuce Other, Fall: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt	County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt
<b>Cochise</b>				<b>Pima</b>			
1993	400	223	89	1993	200	160	32
1994	450	218	98	1994	150	227	34
1995	700	184	129	1995	100	120	12
1996	550	189	104	1996	250	140	35
1997	500	171	86	1997	250	127	32
1998	500	195	102	1998	200	153	31
1999	400	340	136	1999			
<b>Maricopa</b>				<b>Pinal</b>			
1993	200	190	38	1993	200	160	32
1994	0			1994	0		
1995	100	250	25	1995	300	227	68
1996	150	133	20	1996	350	140	49
1997	200	125	25	1997	150	101	15
1998	150	166	25	1998	150	164	25
1999				1999	2/		

1/ 'Head lettuce other' refers to lettuce produced in all areas of the state except Yuma county. Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

### Head Lettuce Other, Fall: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	1,000	600	1,200	1,300	1,100	1,000	600
Harvested (Acres)	1,000	600	1,200	1,300	1,100	1,000	400
Yield per acre (Cwt)	191	220	195	160	144	178	402
Production (1,000 Cwt)	191	132	234	208	158	177	161
Marketing year average price (Dollar per Cwt) 2/	9.48	24.20	11.30	14.40	32.48	19.70	12.70
Value of production (1,000 Dollars)	1,811	3,193	2,644	2,985	5,132	3,487	876

1/ 'Head lettuce other' refers to lettuce produced in all areas of the state except Yuma County.

2/ Average price for the October through January marketing season.

### All Head Lettuce Other: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	1,900	1,500	2,400	2,400	3,000	4,000	1,600
Harvested (Acres)	1,900	1,500	2,400	2,400	3,000	4,000	1,400
Yield per acre (Cwt)	180	230	235	195	170	202	310
Production (1,000 Cwt)	342	345	564	468	510	808	434
Marketing year average price (Dollar per Cwt) 2/	12.80	15.20	29.00	13.60	18.00	21.80	11.00
Value of production (1,000 Dollars)	4,378	5,244	16,356	6,365	9,180	17,614	4,774

1/ 'Head lettuce other' refers to lettuce produced in all areas of the state except Yuma County.

2/ Average price for the October through January marketing season.

### All Head Lettuce Other: Monthly and Season Average Prices Received by Growers

	1993/94	1994/95	1995/96	1996/98	1997/98	1998/99	1999/2000
	-----Dollars per Cwt-----						
January	1/	1/	1/	1/	1/	1/	10.20
February	1/	1/	1/	1/	1/	1/	18.90
March	15.40	8.86	41.80	15.90	1/	1/	10.00
April	29.20	10.40	47.60	11.10	14.70	27.90	7.90
May	8.56	8.49	43.70	12.00	8.70	15.00	13.20
June	8.01	11.90	15.30	20.50	8.89	1/	12.00
September	9.90	1/	1/	13.50	1/	1/	1/
October	9.90	26.20	12.30	12.60	34.10	23.50	14.70
November	8.88	18.60	9.52	18.20	39.70	8.80	7.20
December	7.67	16.00	8.26	23.00	1/	1/	14.60
Season Average	12.80	15.20	29.00	13.60	18.00	21.80	11.00

1/ No movement reported.

## Leaf Lettuce: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Maricopa</b>				<b>Yuma</b>			
1993	200	200	40	1993	4,300	221	950
1994	---	---	---	1994	3,500	255	893
1995	150	167	25	1995	3,050	464	1,415
1996	150	93	14	1996	4,150	344	1,428
1997	150	130	20	1997	5,550	279	1,548
1998	300	154	46	1998	7,000	275	1,925
1999	200	135	27	1999	5,300	275	1,458

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

## Leaf Lettuce: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	4,500	3,500	3,200	4,300	5,800	7,300	5,500
Harvested (Acres)	4,500	3,500	3,200	4,300	5,700	7,300	5,500
Yield per acre (Cwt)	220	255	450	335	275	270	270
Production (1,000 Cwt)	990	893	1,440	1,441	1,568	1,971	1,485
Marketing year average price (Dollar per Cwt) 1/	44.10	23.00	49.10	36.00	31.70	21.00	26.60
Value of production (1,000 Dollars)	43,659	20,539	70,704	51,876	49,706	41,391	39,501

1/ Average price for the November through April marketing season.

## Romaine Lettuce: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Maricopa</b>				<b>Yuma</b>			
1993	50	300	15	1993	3,250	290	942
1994	50	200	10	1994	4,050	251	1,015
1995	50	180	9	1995	5,650	261	1,473
1996	100	90	9	1996	7,300	242	1,767
1997	100	110	11	1997	8,100	323	2,616
1998	100	120	12	1998	9,700	312	3,026
1999	500	116	58	1999	9,300	292	2,716

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

2/ Figures may not calculate due to rounding.

## Romaine Lettuce: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	3,300	4,200	5,700	7,400	8,300	9,800	9,800
Harvested (Acres)	3,300	4,100	5,700	7,400	8,200	9,800	9,800
Yield per acre (Cwt)	290	295	300	240	320	310	280
Production (1,000 Cwt) 1/	957	1,210	1,710	1,776	2,624	3,038	2,744
Marketing year average price (Dollar per Cwt) 2/	25.50	12.40	28.10	19.50	19.50	22.10	15.10
Value of production (1,000 Dollars)	24,404	15,004	48,051	34,632	51,168	67,140	41,434

1/ Figures may not calculate due to rounding.

2/ Average price for the November through April marketing season.

## Broccoli: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Maricopa 2/</b>				<b>Yuma</b>			
1992/93	2,300	71	163	1992/93	6,350	82	520
1993/94	2,300	98	225	1993/94	7,100	114	809
1994/95	2,000	125	250	1994/95	6,600	105	696
1995/96	2,900	100	290	1995/96	7,100	94	670
1996/97	3,200	99	319	1996/97	6,700	135	904
1997/98	4,200	99	415	1997/98	8,100	139	1,123
1998/99	4,400	177	780	1998/99	8,000	213	1,700

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

2/ Includes small acreage from Pinal County to avoid disclosure of individual operations.

## Broccoli: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Planted (Acres)	8,700	9,400	8,600	10,200	11,000	12,300	12,500
Harvested (Acres)	8,700	9,400	8,600	10,000	11,000	12,300	12,400
Yield per acre (Cwt)	79	110	110	96	123	125	200
Production (1,000 Cwt)	687	1,034	946	960	1,357	1,538	2,480
Marketing year average price (Dollar per Cwt) 1/	31.30	21.10	38.30	25.70	35.70	35.80	24.30
Value of production (1,000 Dollars)	21,503	21,817	36,232	24,672	48,400	55,060	60,264

1/ Average price for the November through April marketing season.

## Cauliflower: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Maricopa</b>				<b>Yuma</b>			
1992/93	700	71	50	1992/93	5,800	102	594
1993/94	500	100	50	1993/94	5,200	144	748
1994/95	200	150	30	1994/95	4,300	171	735
1995/96	200	135	27	1995/96	4,200	177	743
1996/97	200	135	27	1996/97	3,700	180	666
1997/98	200	180	36	1997/98	3,200	212	678
1998/99	300	187	56	1998/99	3,600	309	1,114

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

## Cauliflower: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Planted (Acres)	6,500	5,700	4,500	4,400	3,900	3,400	3,900
Harvested (Acres)	6,500	5,700	450	4,400	3,900	3,400	3,900
Yield per acre (Cwt)	99	155	175	175	200	210	300
Production (1,000 Cwt)	644	884	788	770	780	714	1,170
Marketing year average price (Dollar per Cwt) 1/	32.50	26.00	36.70	33.00	33.20	45.80	37.30
Value of production (1,000 Dollars)	20,930	22,984	28,920	25,410	25,896	32,701	43,641

1/ Average price for the November through April marketing season.

## Dry Onions: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Cochise</b>				<b>Maricopa</b>			
1993	100	340	34	1993	850	569	484
1994	150	267	40	1994	950	464	441
1995	250	340	85	1995	700	574	402
1996	300	353	106	1996	900	430	387
1997	300	336	101	1997	1,000	356	356
1998	200	435	87	1998	800	578	462
1999	2/			1999	800	510	408
<b>La Paz</b>				<b>Other Counties</b>			
1993	200	355	71	1993	150	280	42
1994	250	496	124	1994	250	332	83
1995	300	333	100	1995	150	567	85
1996	450	418	188	1996	250	316	79
1997	2/			1997	800	361	289
1998	2/			1998	1,500	417	626
1999	1,850	570	1,054	1999	350	494	173

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

2/ 1999; Cochise, Yuma, Pinal Counties included in Other Counties to avoid individual disclosure. 1997-1998; Other Counties includes Yuma, La Paz, and Pinal.

## Dry Onions: Acreage, Yield, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	1,400	1,700	1,400	2,100	2,100	2,500	3,000
Harvested (Acres)	1,300	1,600	1,400	1,900	2,100	2,500	3,000
Yield per acre (Cwt)	485	430	480	400	355	470	545
Production (1,000 Cwt)	631	688	672	760	746	1,175	1,635
Marketing year average price (Dollar per Cwt) 2/	16.40	7.72	7.93	8.56	12.60	15.30	5.53
Value of production (1,000 Dollars)	10,342	5,308	5,331	6,505	9,403	17,978	9,042

1/ Includes onions grown for processing.

2/ Average price for the April through July marketing season.

## Dry Onions: Monthly and Season Average Prices Received by Growers 1/

	1993	1994	1995	1996	1997	1998	1999
	----- Dollars per Cwt -----						
April	2/	2/	7.50	8.00	17.40	17.00	2/
May	21.40	7.50	7.32	8.50	13.60	13.10	10.90
June	11.00	7.75	7.75	9.00	15.40	2/	11.80
July	11.00	2/	8.00	9.50	2/	2/	14.60
Season Average	16.40	7.72	7.93	8.56	12.60	15.30	5.53

1/ Monthly prices are for fresh market only. Season average includes onions grown for processing.

2/ No movement reported.

## Carrots: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Maricopa</b>				<b>Yuma</b>			
1992/93	1,100	196	216	1992/93	300	73	22
1993/94	2,100	136	285	1993/94	100	230	23
1994/95	1,900	275	523	1994/95	0		
1995/96	2,250	272	613	1995/96	150	72	11
1996/97	2,400	265	636	1996/97	0		
1997/98	2,500	250	625	1997/98	0		
1998/99	1,900	250	475	1998/99	0		

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

## Carrots: Acreage, Yield, Production, and Value

	1992/9	1993/9	1994/9	1995/9	1996/9	1997/9	1998/9
	3	4	5	6	7	8	9
Planted (Acres)	1,400	2,200	1,900	2,400	2,500	2,500	2,100
Harvested (Acres)	1,400	2,200	1,900	2,400	2,500	2,500	1,900
Yield per acre (Cwt)	170	140	275	260	265	250	250
Production (1,000 Cwt)	238	308	523	624	663	625	475
Marketing year average price (Dollar per Cwt) 1/	11.30	11.70	17.60	12.70	13.30	12.50	15.20
Value of production (1,000 Dollars)	2,689	3,604	9,205	7,925	8,818	7,813	7,220

1/ Average price for the December through June marketing season.

## Spring Honeydews: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>La Paz</b>				<b>Pinal</b>			
1993	550	258	142	1993	250	136	34
1994	600	192	115	1994	2/		
1995	800	190	152	1995	400	163	65
1996	800	190	152	1996	800	160	128
1997	1,000	205	204	1997	2/		
1998	600	226	136	1998	2/		
1999	500	186	93	1999	2/		
<b>Maricopa</b>				<b>Yuma</b>			
1993	550	182	100	1993	50	180	9
1994	750	199	149	1994	150	120	18
1995	900	178	160	1995	200	190	38
1996	1,000	178	178	1996	200	160	32
1997	1,100	150	165	1997	300	177	53
1998	1,100	215	236	1998	700	195	137
1999	1,700	230	391	1999	600	184	110

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

2/ Includes Pinal County to avoid disclosure of individual operations.

## Spring Honeydews: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	1,400	1,500	2,300	2,800	2,400	2,400	2,800
Harvested (Acres)	1,400	1,500	2,300	2,800	2,400	2,400	2,800
Yield per acre (Cwt)	204	188	180	175	176	212	212
Production (1,000 Cwt)	285	282	415	490	422	509	594
Marketing year average price (Dollar per Cwt) 1/	21.40	15.80	25.80	16.90	17.50	16.00	16.60
Value of production (1,000 Dollars)	6,091	4,456	10,707	8,281	7,383	8,140	9,860

1/ Average price for the June through July marketing season.

2/ Acres and production included in Maricopa County to avoid disclosure of individual operations.

## Fall Honeydews: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt	County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt
<b>La Paz</b>				<b>Other Counties</b>			
1993				1993			
1994	100	50	5	1994			
1995	450	133	60	1995	250	104	26
1996	2/			1996	300	123	37
1997	3/			1997	500	129	65
1998	3/			1998	400	110	44
1999	3/			1999	400	110	44
<b>Maricopa</b>							
1993	200	175	35				
1994	500	120	60				
1995	600	125	75				
1996	700	170	119				
1997	1,200	192	230				
1998	1,000	207	228				
1999	1,000	209	209				

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

2/ Acres and production included with Maricopa County to avoid disclosure of individual operations.

3/ Acres and production included in Other Counties to avoid disclosure of individual operations.

## Fall Honeydews: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	200	600	1,300	1,000	1,700	1,400	1,400
Harvested (Acres)	200	600	1,300	1,000	1,700	1,400	1,400
Yield per acre (Cwt)	175	108	124	156	173	181	253
Production (1,000 Cwt)	35	65	161	156	294	272	181
Marketing year average price (Dollar per Cwt) 1/	23.50	30.70	19.70	18.10	20.00	13.70	23.80
Value of production (1,000 Dollars)	821	1,998	3,175	2,830	5,882	3,719	4,308

1/ Average price for the October through November marketing season.

## All Honeydews: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	1,600	2,100	3,600	3,800	4,100	4,200	4,200
Harvested (Acres)	1,600	2,100	3,600	3,800	4,100	4,200	4,200
Yield per acre (Cwt)	200	210	160	170	175	200	245
Production (1,000 Cwt)	320	441	576	646	718	840	1,029
Marketing year average price (Dollar per Cwt) 1/	21.60	18.70	24.10	17.20	18.50	20.20	19.20
Value of production (1,000 Dollars)	6,912	8,247	13,882	11,111	13,283	16,968	19,757

1/ Average price for the June through July and October through November marketing seasons.

## All Honeydews: Monthly and Season Average Prices Received by Growers

	1993	1994	1995	1996	1997	1998	1999
	Dollars per Cwt						
May	14.50	21.60	43.70	31.10	30.00	1/	23.70
June	25.30	18.20	27.20	18.00	20.00	25.30	18.70
July	18.50	13.00	23.50	12.00	15.00	22.50	13.50
August	1/	10.80	23.50	14.20	15.70	1/	15.70
September	25.00	36.70	21.20	14.70	11.70	1/	1/
October	25.00	32.50	21.20	17.00	12.50	17.90	29.00
November	25.00	23.50	17.10	20.00	13.80	13.20	18.20
December	1/	1/	1/	1/	1/	1/	20.60
Season Average	21.60	18.70	24.10	17.20	18.50	20.20	19.20

1/ No movement reported.

## Spring Cantaloupe: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>La Paz</b>				<b>Pinal</b>			
1993	1,200	220	264	1993	100	150	15
1994	1,200	233	280	1994	200	175	35
1995	1,100	207	228	1995	750	217	163
1996	1,500	300	450	1996	600	280	168
1997	2,600	240	624	1997	600	308	185
1998	3,200	250	800	1998	2/		
1999	1,000	252	252	1999	2/		
<b>Maricopa</b>				<b>Yuma</b>			
1993	6,300	282	1,775	1993	700	117	82
1994	5,800	248	1,440	1994	700	307	215
1995	6,050	286	1,730	1995	1,000	314	314
1996	5,900	292	1,722	1996	1,500	340	510
1997	5,000	320	1,600	1997	3,400	397	1,350
1998	3,500	264	924	1998	3,100	335	1,039
1999	8,200	258	2,116	1999	2,900	310	899

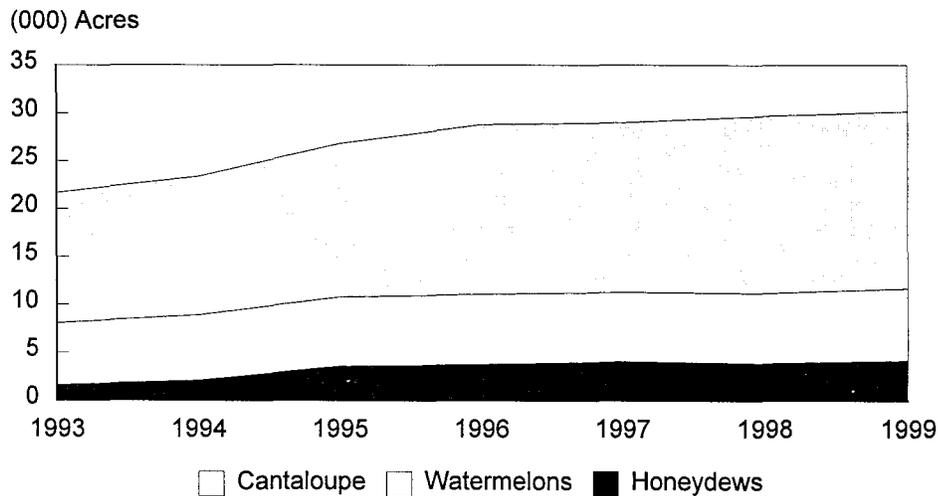
1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

2/ Pinal County included in Maricopa County.

## Spring Cantaloupe: Acreage, Yield, and Production

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	8,300	9,400	8,900	9,500	11,600	9,800	12,100
Harvested (Acres)	8,300	9,400	8,900	9,500	11,500	9,800	12,100
Yield per acre (Cwt)	257	249	274	300	324	282	270
Production (1,000 Cwt)	2,136	2,341	2,435	2,850	3,726	2,763	3,267

### Arizona Melon Harvested Acres 1993-1999



## Fall Cantaloupe: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Cochise</b>				<b>Pinal</b>			
1993	2/			1993	150	133	20
1994	600	67	40	1994	200	50	10
1995	250	80	20	1995	200	115	23
1996	2/			1996	200	155	31
1997	2/			1997	200	140	28
1998	2/			1998	2/		
1999	2/			1999	2/		
<b>La Paz</b>				<b>Yuma</b>			
1993				1993	2/		
1994				1994	700	39	27
1995				1995	650	65	42
1996				1996	2,000	135	270
1997	3,100	187	580	1997	2,200	130	286
1998	2,500	240	600	1998	1,900	178	338
1999	2,500	285	713	1999	1,900	241	458
<b>Maricopa 3/</b>							
1993	5,150	136	700				
1994	5,100	82	418				
1995	6,000	87	520				
1996	6,000	153	920				
1997	3,400	169	575				
1998	2,000	216	432				
1999	2,000	279	558				

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

2/ Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

3/ 1993-1996 includes La Paz County.

## Fall Cantaloupe: Acreage, Yield, and Production

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	5,300	5,100	7,100	8,200	6,200	6,400	6,400
Harvested (Acres)	5,300	5,100	7,100	8,200	6,200	6,400	6,400
Yield per acre (Cwt)	136	75	85	149	165	214	270
Production (1,000 Cwt)	720	383	605	1,221	1,023	1,370	1,728

## All Cantaloupe: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	13,600	14,500	16,000	17,700	17,700	18,500	18,500
Harvested (Acres)	13,600	14,500	16,000	17,700	17,700	18,500	18,500
Yield per acre (Cwt)	210	170	190	230	255	250	270
Production (1,000 Cwt)	2,856	2,465	3,040	4,071	4,514	4,625	4,995
Marketing year average price (Dollar per Cwt) 1/	17.10	17.80	20.10	20.80	19.20	13.90	13.80
Value of production (1,000 Dollars)	48,838	43,877	61,104	84,677	86,669	64,288	68,931

1/ Average price for the May through July and October through November marketing seasons.

## Watermelon: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre	Production	County and Year	Harvested Acres	Yield per Acre	Production
		Cwt	1,000 Cwt			Cwt	1,000 Cwt
<b>Cochise</b>				<b>Pinal</b>			
1993	350	200	70	1993	1750	351	615
1994	300	147	44	1994	1700	342	581
1995	250	136	34	1995	2300	265	610
1996	250	148	37	1996	2300	328	754
1997	200	150	30	1997 3/	2000	337	674
1998	100	155	16	1998	1900	315	599
1999 2/				1999	1800	343	618
<b>LaPaz</b>				<b>Yuma</b>			
1993	300	250	75	1993	1000	400	400
1994	200	250	50	1994	1000	442	442
1995	200	300	60	1995	1000	378	378
1996	250	172	43	1996	950	440	418
1997	400	250	100	1997	950	459	436
1998	800	255	204	1998	1200	438	525
1999	900	400	360	1999	1200	428	514
<b>Maricopa</b>							
1993	3,100	286	888				
1994	3,600	275	991				
1995	3,050	235	718				
1996	3,550	254	902				
1997	3,650	272	992				
1998	3,600	260	936				
1999	3,600	471	1,696				

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit, and Vegetable Standardization.

2/ Acreage too small to publish.

3/ Includes Mohave County to avoid disclosure of individual operations.

## Watermelon: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	6,500	6,800	7,200	7,300	7,200	7,600	7,600
Harvested (Acres)	6,500	6,800	7,200	7,300	7,200	7,600	7,500
Yield per acre (Cwt)	315	310	250	295	310	300	425
Production (1,000 Cwt)	2,048	2,108	1,800	2,154	2,232	2,280	3,188
Marketing year average price (Dollar per Cwt) 2/	7.30	5.60	11.40	7.20	7.80	8.00	5.60
Value of production (1,000 Dollars)	14,930	11,805	20,520	15,444	17,343	18,240	17,853

1/ Watermelons are planted as Spring and Fall crops. Estimates by season are not available.

2/ Average price for the May through July and September through November marketing season.

## Potatoes: Acreage, Yield, and Production by County 1/

County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt	County and Year	Harvested Acres	Yield per Acre Cwt	Production 1,000 Cwt
<b>Maricopa 2/</b>				<b>Yuma</b>			
1993	4,100	282	1,155	1993	0		
1994	4,200	279	1,170	1994	400	113	45
1995	4,600	280	1,287	1995	500	148	74
1996	3,600	295	1,062	1996	1,700	211	358
1997	4,900	282	1,382	1997	2/		
1998	4,800	282	1,354	1998	2/		
1999	7,500	320	2,400	1999	2/		
<b>Pinal</b>							
1993	1,400	236	330				
1994	1,700	268	455				
1995	1,400	281	394				
1996	3,700	285	1,055				
1997	1,600	274	438				
1998	3,300	277	914				
1999	2,100	297	624				

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

2/ Maricopa County includes some acreage from Cochise County for 1993-97 and Yuma County for 1997-1999.

## Potatoes: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Planted (Acres)	5,500	6,300	6,500	9,000	6,500	8,100	10,000
Harvested (Acres)	5,500	6,300	6,500	9,000	6,500	8,100	9,600
Yield per acre (Cwt)	270	265	270	275	280	280	315
Production (1,000 Cwt)	1,485	1,670	1,755	2,475	1,820	2,268	3,024
Marketing year average price (Dollar per Cwt) 1/	8.25	7.35	7.65	10.20	8.75	11.30	9.05
Value of production (1,000 Dollars)	12,251	12,275	13,426	25,245	15,925	25,628	27,367

1/ Average price for the April through July marketing season.

## Potatoes: Monthly and Season Average Prices Received by Growers 1/

	1993	1994	1995	1996	1997	1998	1999
	-----Dollars per Cwt-----						
April	2/	11.20	13.60	10.10	6.20	9.10	2/
May	10.70	8.50	7.90	10.30	9.50	13.50	10.30
June	6.25	5.95	6.45	6.90	8.45	8.40	7.25
July	7.60	5.55	5.15	2/	2/	11.30	7.75
Season Average	8.25	7.35	7.65	10.20	8.75	11.30	9.05

1/ Includes fresh market and processed potato prices.

2/ No movement reported.

## Other Vegetables: Acreage, Production, and Value 1/

	1993	1994	1995	1996	1997	1998	1999
<b>Beets</b>							
Harvested acres	30	60	10	30	25	2/	2/
Production (35 lb carton)	4,800	11,600	7,900	9,500	1,600	2/	2/
Value of production (\$1,000)	36	87	59	71	26	2/	2/
<b>Bok Choy</b>							
Harvested acres	250	160	80	140	110	100	260
Production (25 lb carton)	100,000	89,000	76,000	105,000	100,100	128,500	138,000
Value of production (\$1,000)	500	445	380	525	413	531	552
<b>Cabbage</b>							
Harvested acres	1,500	2,800	1,750	2,400	2,250	2,200	2,000
Production (50 lb carton)	756,000	1,030,000	525,600	1,438,000	1,717,500	2,565,300	1,500,000
Value of production (\$1,000)	4,007	11,845	4,126	8,889	11,896	11,698	9,937
<b>Chili Peppers 3/</b>							
Harvested acres	4,200	4,000	3,200	2,500	3,800	5,500	6,100
<b>Production: (Ton)</b>							
Green	10,600	11,964	14,080	5,550	7,828	11,000	12,400
Red	4,260	4,060	2,256	4,030	6,840	3,450	5,300
<b>Value of production: (\$1,000)</b>							
Green	2,605	3,733	5,463	1,693	3,184	4,433	4,340
Red	3,687	2,921	1,918	5,376	9,316	4,699	7,155
<b>Greens</b>							
Harvested acres	900	750	750	550	700	520	630
Production (25 lb carton)	529,000	540,000	829,000	911,000	554,000	481,500	527,000
Value of production (\$1,000)	2,566	2,700	4,560	5,010	6,275	5,451	5,580
<b>Kale</b>							
Harvested acres	100	1,270	150	210	360	100	70
Production (25 lb carton)	77,500	506,929	173,000	211,000	152,400	62,400	51,000
Value of production (\$1,000)	465	1,578	1,038	1,266	2,704	1,106	905
<b>Napa</b>							
Harvested acres	200	220	200	140	130	100	330
Production (40 lb carton)	86,500	128,000	74,900	141,000	130,600	111,600	142,000
Value of production (\$1,000)	260	384	225	423	400	341	440
<b>Onions, Green</b>							
Harvested acres	260	280	570	340	240	180	120
Production (18 lb carton)	196,000	355,000	362,000	395,000	274,000	188,100	122,000
Value of production (\$1,000)	960	2,592	2,588	2,844	2,051	3,210	915

See footnotes at end of table

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	1993	1994	1995	1996	1997	1998	1999
<b>Parsley</b>							
Harvested acres	60	130	90	170	90	60	80
Production (21 lb carton)	41,700	90,000	122,800	175,000	169,100	66,300	59,000
Value of production (\$1,000)	171	369	503	717	357	140	130
<b>Radishes 4/</b>							
Harvested acres						1,440	1,370
Production (40 lb carton)						470,500	541,000
Value of production (\$1,000)						4,587	5,301
<b>Rapini</b>							
Harvested acres	160	280	50	40	80	10	5
Production (25 lb carton)	47,000	53,000	29,500	99,800	28,900	19,100	4,000
Value of production (\$1,000)	268	302	168	569	1,291	853	24
<b>Spinach</b>							
Harvested acres	1,260	2,450	1,630	1,060	1,650	1,800	2,900
Production (25 lb carton)	527,620	735,100	784,100	729,000	902,020	1,021,400	1,290,000
Value of production (\$1,000)	2,633	5,785	6,256	5,795	9,122	14,544	9,933
<b>Squash</b>							
Harvested acres	1,100	680	450	310	340	300	530
Production (24 lb carton)	158,467	48,000	16,200	64,200	32,400	64,100	55,000
Value of production (\$1,000)	428	5	59	475	513	2,243	468
<b>Sweet Corn</b>							
Harvested acres	2,700	1,500	1,400	1,800	1,640	2,000	2,400
Production (50 lb carton)	127,300	92,000	150,500	252,000	335,300	284,000	355,000
Value of production (\$1,000)	960	690	1,407	2,218	2,482	5,860	2,982
<b>Turnips</b>							
Harvested acres	150	175	160	140	195	65	140
Production (25 lb sack)	40,800	55,000	28,600	101,000	73,000	63,400	98,000
Value of production (\$1,000)	318	429	223	788	453	393	617
<b>Miscellaneous Vegetables 5/</b>							
Harvested acres	3,841	4,797	2,178	3,421	4,461	2,420	6,811
Production							
Value of production (\$1,000)	7,141	12,220	11,872	19,595	19,459	11,972	44,978

1/ Acreage and production figures from the Arizona Citrus, Fruit and Vegetable Standardization reports. Production figures published are utilized production totals which can be affected by weather, market conditions, and vegetable quality. Value of production developed with the assistance of the Arizona Citrus, Fruit and Vegetable Standardization, the Arizona Cooperative Extension Service, Market News Service, and local growers.

2/ Acres and value included in miscellaneous vegetables.

3/ Green tonnage is reported as actual weight. An 8:1 ratio used to convert green tonnage to a dry weight equivalent.

4/ Previous years included in miscellaneous vegetables.

5/ All years include anise, artichokes, bell peppers, broccoflower, cilantro, celery, dill, endive, escarole, kohlrabi, leeks, miscellaneous melons, pumpkins, salad savoy, swiss chard, and tomatoes. 1994-96 also includes fava beans and watercress. 1998 also includes beets and garlic but excludes radishes. 1999 also includes snap beans and cucumbers.

## Fruit and Nut

Apples: Arizona's utilized apple production was 32.0 million pounds, 29 percent less than last year's crop. The total crop value was \$4.1 million, a decrease of \$2.6 million.

Pecans: Arizona was the nation's 5<sup>th</sup> leading state in pecan production for 1999 with production of 22.8 million pounds. **Nationally**, pecan production was up 86 percent from last year. The U.S. average price of \$0.814 per pound reflected a 33 percent decrease from the previous year. Arizona pecan prices averaged \$1.19 per pound down from \$1.59 a year ago.

Citrus: Production, **nationally**, totaled 13.7 million tons, down 23 percent from last year's record crop and 20 percent lower than the 1996-97 season. California's orange production decreased 4.5 percent and the grapefruit production decreased 6 percent from the previous year. Texas showed increases of 27 percent in grapefruit production from

a year ago. Arizona's citrus production increased 26 percent from the previous season. In the 1998-99 season, Florida accounted for 79 percent of U.S. citrus production; California totaled 17 percent; Texas and Arizona produced the remaining 4 percent.

Arizona's orange acreage is down 10 percent from last year; lemon acreage is down 6 percent, grapefruit acreage is down 10 percent while tangerine acreage is unchanged. The total value of all citrus production was more than twice the previous year. A combination more production and higher prices contributed to the increase.

Grapes: Arizona's grape production ranked 6th in the nation in 1998-99. The price per ton increased by 7 percent however the fresh and processed value decreased by 3 percent because production was down 9 percent from the previous season.

### Apples: Acreage, Yield, Production, Price, and Value

	1993	1994	1995	1996	1997	1998	1999
Bearing acreage (Acres)	4,400	4,400	4,200	4,000	3,700	3,800	3,900
Yield per acre (Lbs)	13,900	14,500	2,620	25,000	12,200	12,100	8,790
<b>Utilization of production:</b> (Million Lbs)							
Fresh	4.0	8.0	0.2	4.0	0.5	11.7	5.4
Processed	51.0	51.0	10.8	96.0	43.6	33.3	26.6
Total	55.0	59.0	11.0	100.0	44.1	45.0	32.0
Season average price per pound (Dollars)	0.066	0.078	0.071	0.124	0.107	0.147	0.127
Value of utilized production (1,000 Dollars)	3,654	4,621	782	12,432	4,724	6,628	4,054

### Pecans: Production, Price, and Value

	1993	1994	1995	1996	1997	1998	1999
Utilized production (1,000 Lbs)	24,700	20,500	18,100	17,000	18,500	13,000	22,800
Price per pound (Dollars)	1.000	1.210	1.240	0.620	1.250	1.590	1.190
Value of utilized production (1,000 Dollars)	24,733	24,869	22,443	10,540	23,125	20,670	27,132

## Grapefruit Varieties: Acreage, Yield, and Production by County

County and Year	Harvested Acres 1/			Yield per Acre	Utilization of Production		
	White	Red Blush	All		Fresh 2/	Processed 2/	Total
				Cartons	1,000 Cartons 3/		
<b>Maricopa</b>							
1993	1,700	1,900	3,600	556	1,077	923	2,000
1994	1,700	1,900	3,600	420	721	791	1,512
1995	1,700	1,900	3,600	356	1,178	103	1,281
1996	1,600	1,800	3,400	434	800	634	1,474
1997	1,100	1,800	2,900	422	490	480	970
1998	1,300	1,700	3,000	311	542	390	932
1999	1,000	1,500	2,500	330	544	281	825
<b>Yuma</b>							
1993	200	2,000	2,200	1,045	1,751	549	2,300
1994	200	1,800	2,000	994	1,543	445	1,988
1995	200	1,600	1,800	844	1,448	71	1,519
1996	200	1,400	1,600	579	666	260	926
1997	200	1,300	1,500	384	350	280	630
1998	200	800	1,000	668	442	226	668
1999	200	900	1,100	614	510	165	675

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Production for all grapefruit.

3/ Net weight per carton, 33.5 pounds; 32 pounds prior to the 1993/94 season.

4/ Includes Pinal County to avoid disclosure of individual operations.

## Grapefruit: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Harvested (Acres) 1/	5,800	5,600	5,400	5,000	4,400	4,000	3,600
Yield per acre (Cartons)	742	626	518	480	364	400	416
<b>Utilization of production (1,000 Cartons) 2/</b>							
Fresh	2,828	2,264	2,626	1,506	840	984	1,054
Processed	1,472	1,236	174	894	760	616	446
Total	4,300	3,500	2,800	2,400	1,600	1,600	1,500
Season average price per carton (Dollars) 3/	1.62	1.44	2.78	1.85	1.49	2.35	3.50
Value of production (1,000 Dollars)	6,952	5,046	7,787	4,438	2,385	3,738	4,949

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 33.5 pounds; 32 pounds prior to the 1993/94 season.

3/ Equivalent packinghouse door returns. Marketing season November 1-July 31.

## Grapefruit: Season Average Price and Equivalent Returns by Utilization

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
	----- Dollars per Carton 1/ -----						
F.O.B. packed fresh	5.10	4.87	5.70	5.75	5.75	6.60	7.45
<i>Equivalent returns</i>							
<b>Packinghouse door</b>							
All	1.62	1.44	2.78	1.85	1.49	2.34	3.30
Fresh	2.50	2.28	2.98	3.03	3.03	3.88	4.73
Processed	(0.08)	(0.09)	(0.22)	(0.14)	(0.21)	(0.13)	(0.08)
<b>On-tree</b>							
All	0.81	0.65	1.81	0.88	0.52	1.37	2.33
Fresh	1.69	1.49	2.01	2.06	2.06	2.91	3.76
Processed	(0.89)	(0.88)	(1.19)	(1.11)	(1.18)	(1.10)	(1.05)

1/ Net weight per carton, 33.5 pounds.

## Lemons: Acreage, Yield, and Production by County

County and Year	Harvested Acres 1/	Yield per Acre	Utilization of Production			County and Year	Harvested Acres 1/	Yield per Acre	Utilization of Production		
			Fresh	Processed	Total				Fresh	Processed	Total
		Cartons	1,000 Cartons 2/					Cartons	1,000 Cartons 2/		
<b>Maricopa 3/</b>						<b>Yuma</b>					
1992/93	1,300	425	298	254	552	1992/93	14,400	573	4,928	3,320	8,248
1993/94	1,600	454	420	307	727	1993/94	14,000	691	5,482	4,191	9,673
1994/95	1,300	457	371	223	594	1994/95	14,000	472	4,455	2,151	6,606
1995/96	1,300	667	521	346	867	1995/96	13,600	686	5,013	4,320	9,333
1996/97	1,300	381	303	192	495	1996/97	13,200	372	2,805	2,100	4,905
1997/98	1,300	492	320	320	640	1997/98	12,700	359	2,540	2,020	4,560
1998/99	1,300	404	370	156	526	1998/99	12,800	498	4,314	2,060	6,374

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 38 pounds.

3/ Includes Pinal County to avoid disclosure of individual operations.

## Lemons: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Harvested (Acres) 1/	15,700	15,600	15,300	14,900	14,500	14,000	13,100
Yield per acre (Cartons)	560	666	470	684	372	372	526
<b>Utilization of Production (1,000 Cartons) 2/</b>							
Fresh	5,226	5,902	4,826	5,534	3,108	2,860	4,684
Processed	3,574	4,498	2,374	4,666	2,292	2,340	2,216
Total	8,800	10,400	7,200	10,200	5,400	5,200	6,900
Season average price per carton (Dollars) 3/	4.21	4.84	5.19	4.19	5.44	4.65	6.67
Value of production (1,000 Dollars)	37,045	50,342	37,321	42,737	29,351	24,187	46,004

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 38 pounds.

3/ Equivalent packinghouse door returns. Marketing season August 15-March 1.

## Lemons: Season Average Price and Equivalent Returns by Utilization

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
	----- Dollars per Carton 1/ -----						
F.O.B. packed fresh	10.65	12.25	11.70	11.15	12.55	11.65	13.85
<i>Equivalent returns</i>							
<b>Packinghouse door</b>							
All	4.21	4.84	5.19	4.19	5.44	4.65	6.67
Fresh	6.42	8.00	7.48	6.93	8.33	7.43	9.63
Processed	0.99	0.70	0.52	0.94	1.51	1.26	0.41
<b>On-tree</b>							
All	2.45	3.06	3.37	2.37	3.62	2.83	4.85
Fresh	4.66	6.22	5.66	5.11	6.51	5.61	7.81
Processed	(0.78)	(1.09)	(1.31)	(0.88)	(0.31)	(0.57)	(1.42)

1/ Net weight per carton, 38 pounds.

## Valencia Oranges: Acreage, Yield, and Production by County

County and Year	Harvested		Yield per Acre			Utilization of Production			County and Year	Harvested		Yield per Acre			Utilization of Production		
	Acres	Acres	Cartons	1,000 Cartons	2/	Fresh	Processed	Total		Acres	Acres	Cartons	1,000 Cartons	2/	Fresh	Processed	Total
<b>Maricopa 3/</b>									<b>Yuma</b>								
1992/93	2,600	398	751	284	1,035				1992/93	3,000	422	1,079	186	1,265			
1993/94	2,700	308	641	191	832				1993/94	2,700	581	1,257	311	1,568			
1994/95	2,700	276	736	8	744				1994/95	2,500	222	548	8	556			
1995/96	2,700	371	755	246	1,001				1995/96	2,500	360	681	218	899			
1996/97	2,700	446	1,195	10	1,205				1996/97	2,400	206	487	8	495			
1997/98	2,500	389	972	2	974				1997/98	2,000	163	322	4	326			
1998/99	1,900	240	452	4	456				1998/99	2,100	354	472	272	744			

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Includes Pinal County to avoid disclosure of individual operations.

## Valencia Oranges: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Harvested (Acres) 1/	5,600	5,400	5,200	5,200	5,100	4,500	4,000
Yield per acre (Cartons)	410	444	250	366	334	288	300
<b>Utilization of Production (1,000 Cartons) 2/</b>							
Fresh	1,830	1,898	1,284	1,436	1,682	1,294	924
Processed	470	502	16	464	18	6	276
Total	2,300	2,400	1,300	1,900	1,700	1,300	1,200
Season average price per carton (Dollars) 3/	1.84	2.85	2.76	2.06	2.63	2.64	9.55
Value of production (1,000 Dollars)	4,225	6,837	3,591	3,910	4,467	3,435	11,455

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Equivalent packinghouse door returns. Marketing season February 1-August 31.

## Valencia Oranges: Season Average Price and Equivalent Returns by Utilization

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
	----- Dollars per Carton 1/ -----						
F.O.B. packed fresh	5.25	6.50	5.75	5.75	5.60	5.60	14.90
<i>Equivalent returns</i>							
<b>Packinghouse door</b>							
All	1.84	2.85	2.76	2.06	2.63	2.64	9.55
Fresh	2.37	3.59	2.80	2.80	2.65	2.65	11.95
Processed	(0.22)	0.05	(0.24)	(0.24)	0.58	0.95	1.50
<b>On-tree</b>							
All	0.82	1.84	1.73	1.02	1.59	1.60	8.51
Fresh	1.35	2.58	1.76	1.76	1.61	1.61	10.91
Processed	(1.24)	(0.97)	(1.28)	(1.28)	(0.46)	(0.10)	0.46

1/ Net weight per carton, 37.5 pounds.

## Navel, Sweet, and Miscellaneous Oranges: Acreage, Yield, and Production by County

County and Year	Harvested Acres	Yield per Acre	Utilization of Production			County and Year	Harvested Acres	Yield per Acre	Utilization of Production		
			Fresh	Processed	Total				Fresh	Processed	Total
		Cartons	1,000 Cartons 2/					Cartons	1,000 Cartons 2/		
<b>Maricopa 3/</b>						<b>Yuma</b>					
1992/93	4,600	285	1,080	233	1,313	1992/93	400	218	82	5	87
1993/94	4,900	268	1,070	245	1,315	1993/94	300	283	58	27	85
1994/95	4,800	147	623	83	706	1994/95	400	235	83	11	94
1995/96	4,600	285	1,023	287	1,310	1995/96	300	300	77	13	90
1996/97	4,600	213	813	168	981	1996/97	300	397	111	8	119
1997/98	4,300	146	428	200	628	1997/98	300	240	42	30	72
1998/99	3,900	261	840	178	1,018	1998/99	300	273	52	30	82

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Includes Pinal County to avoid disclosure of individual operations.

## Navel, Sweet, and Miscellaneous Oranges: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Harvested (Acres) 1/	5,000	5,200	5,200	4,900	4,900	4,600	4,200
Yield per acre (Cartons)	280	270	154	286	224	152	262
<b>Utilization of Production (1,000 Cartons) 2/</b>							
Fresh	1,162	1,128	706	1,100	924	470	892
Processed	238	272	94	300	176	230	208
Total	1,400	1,400	800	1,400	1,100	700	1,100
Season average price per carton (Dollars) 3/	3.78	4.09	5.03	3.36	4.39	2.73	8.46
Value of production (1,000 Dollars)	5,294	5,726	4,025	4,702	4,825	1,910	9,301

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Equivalent packinghouse door returns. Marketing season November 1-March 15.

## Navel, Sweet, and Miscellaneous Oranges: Season Average Price and Equivalent Returns by Utilization

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
	----- Dollars per Carton 1/ -----						
F.O.B. packed fresh	7.60	8.15	8.80	7.35	8.25	7.10	13.40
<i>Equivalent returns</i>							
<b>Packinghouse door</b>							
All	3.78	4.09	5.03	3.36	4.39	2.73	8.46
Fresh	4.60	5.11	5.71	4.34	5.24	4.09	10.39
Processed	(0.19)	(0.14)	(0.07)	(0.24)	(0.10)	(0.05)	0.16
<b>On-tree</b>							
All	2.89	3.18	4.01	2.37	3.40	1.74	7.47
Fresh	3.70	4.20	4.69	3.35	4.25	3.10	9.40
Processed	(1.09)	(1.06)	(1.09)	(1.23)	(1.09)	(1.04)	(0.83)

1/ Net weight per carton, 37.5 pounds.

## All Oranges: Acreage, Yield, and Production by County

County and Year	Harvested		Yield per Acre			Utilization of Production		County and Year	Harvested		Yield per Acre			Utilization of Production			
	Acres	Acres	Cartons	1,000 Cartons	2/	Fresh	Processed		Total	Acres	Acres	Cartons	1,000 Cartons	2/	Fresh	Processed	Total
<b>Maricopa 3/</b>								<b>Yuma</b>									
1992/93	7,200	326	1,831	517	2,348			1992/93	3,400	398	1,161	191	1,352				
1993/94	7,600	283	1,711	436	2,147			1993/94	3,000	551	1,315	338	1,653				
1994/95	7,500	193	1,359	91	1,450			1994/95	2,900	224	631	19	650				
1995/96	7,300	317	1,778	533	2,311			1995/96	2,800	353	758	231	989				
1996/97	7,300	299	2,008	178	2,186			1996/97	2,700	227	598	16	614				
1997/98	6,800	232	1,400	202	1,602			1997/98	2,300	173	364	34	398				
1998/99	5,800	254	1,292	182	1,474			1998/99	2,400	344	524	302	826				

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Includes Pinal County to avoid disclosure of individual operations.

## All Oranges: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Harvested (Acres) 1/	10,600	10,600	10,400	10,100	10,000	9,100	8,200
Yield per acre (Cartons)	350	358	202	326	280	220	280
<b>Utilization of Production (1,000 Cartons) 2/</b>							
Fresh	2,992	3,026	1,990	2,536	2,606	1,764	1,816
Processed	708	774	110	764	194	236	484
Total	3,700	3,800	2,100	3,300	2,800	2,000	2,300
Season average price per carton (Dollars) 3/	2.58	3.31	3.63	2.61	3.32	2.68	9.03
Value of production (1,000 Dollars)	9,519	12,563	7,616	8,612	9,292	5,345	20,756

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Equivalent packinghouse door returns.

## All Oranges: Season Average Price and Equivalent Returns by Utilization

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
	----- Dollars per Carton 1/ -----						
F.O.B. packed fresh	6.15	7.10	6.85	6.45	6.55	6.00	14.15
<i>Equivalent returns</i>							
<b>Packinghouse door</b>							
All	2.58	3.31	3.63	2.61	3.32	2.68	9.03
Fresh	3.23	4.16	3.83	3.47	3.57	3.04	11.19
Processed	0.21	(0.02)	(0.09)	(0.24)	(0.04)	(0.03)	0.92
<b>On-tree</b>							
All	1.60	2.33	2.60	1.59	2.30	1.65	8.01
Fresh	2.26	3.18	2.80	2.45	2.55	2.01	10.17
Processed	(1.19)	(1.00)	(1.11)	(1.26)	(1.03)	(1.02)	(0.10)

1/ Net weight per carton, 37.5 pounds.

## Tangerines: Acreage, Yield, and Production by County

County and Year	Harvested Acres	Yield per Acre	Utilization of Production			County and Year	Harvested Acres	Yield per Acre	Utilization of Production		
			Fresh	Processed	Total				Fresh	Processed	Total
		Cartons	1,000 Cartons 2/					Cartons	1,000 Cartons 2/		
<b>Maricopa</b>						<b>Yuma</b>					
1992/93	2,800	338	606	339	945	1992/93	2,100	455	798	157	955
1993/94	3,200	330	775	281	1,056	1993/94	2,300	410	841	103	944
1994/95	3,000	245	642	93	735	1994/95	2,600	217	522	43	565
1995/96	2,900	409	881	304	1,185	1995/96	2,600	313	651	164	815
1996/97	3,200	359	1,054	94	1,148	1996/97	2,100	168	300	52	352
1997/98	3,200	233	625	119	744	1997/98	2,000	228	339	117	456
1998/99	3,200	275	650	230	880	1998/99	2,000	510	790	230	1,020

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Includes Pinal County to avoid disclosure of individual operations.

## Tangerines: Acreage, Yield, Production, and Value

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Harvested (Acres) 1/	4,900	5,500	5,600	5,500	5,300	5,200	5,200
Yield per acre (Cartons)	388	364	232	364	284	230	366
<b>Utilization of Production (1,000 Cartons) 2/</b>							
Fresh	1,404	1,616	1,164	1,532	1,354	964	1,440
Processed	496	384	136	468	146	236	460
Total	1,900	2,000	1,300	2,000	1,500	1,200	1,900
Season average price per carton (Dollars) 3/	6.30	5.62	8.14	5.40	7.57	6.27	9.25
Value of production (1,000 Dollars)	11,959	11,233	10,578	10,802	11,354	7,519	17,577

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization.

2/ Net weight per carton, 37.5 pounds.

3/ Equivalent packinghouse door returns. Marketing season November 1-February 1.

## Tangerines: Season Average Price and Equivalent Returns by Utilization

	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
	----- Dollars per Carton 1/ -----						
F.O.B. packed fresh	11.50	9.90	12.05	10.05	11.35	10.75	14.95
<i>Equivalent returns</i>							
<b>Packinghouse door</b>							
All	6.30	5.62	8.14	5.40	7.57	6.27	9.25
Fresh	8.62	6.99	9.10	7.10	8.40	7.80	12.00
Processed	(0.28)	(0.17)	(0.10)	(0.16)	(0.14)	0.00	0.65
<b>On-tree</b>							
All	5.28	4.60	7.10	4.36	6.53	5.23	8.21
Fresh	7.60	5.98	8.06	6.06	7.36	6.76	10.96
Processed	(1.30)	(1.18)	(1.14)	(1.20)	(1.18)	(1.04)	(0.40)

1/ Net weight per carton, 37.5 pounds.

## Grapes: Bearing Acreage and Variety by County 1/

County and Year	Table Varieties				Wine Varieties	Total
	Flame Seedless	Perlette	Thompson Seedless	Other 2/		
	----- Acres -----					
<b>Maricopa</b>						
1993	705	440	970	70	3/	2,185
1994	975	480	920	60	3/	2,435
1995	895	475	905	75	3/	2,350
1996	820	280	995	90	3/	2,185
1997	850	195	1,040	85	3/	2,170
1998	760	190	1,040	100	3/	2,090
1999	760	190	950	100	3/	2,000
<b>Pinal</b>						
1993	475	85	60	35	3/	655
1994	460	85	60	15	3/	620
1995	470	90	85	25	3/	670
1996	465	90	80	20	3/	655
1997	465	90	80	20	3/	655
1998	480	95	160	25	3/	760
1999	480	90	90	15	3/	675
<b>Yuma</b>						
1993	435	415	295	15	3/	1,160
1994	430	410	290	15	3/	1,145
1995	440	420	300	20	3/	1,180
1996	435	415	295	15	3/	1,160
1997	435	415	295	20	3/	1,165
1998	435	400	295	20	3/	1,150
1999	400	400	295	20	3/	1,115
<b>Other Counties 4/</b>						
1993	3/	3/	3/	3/	300	300
1994	3/	3/	3/	3/	200	200
1995	3/	3/	3/	3/	300	300
1996	3/	3/	3/	3/	300	300
1997	3/	3/	3/	10	300	310
1998	3/	3/	3/	10	300	310
1999	3/	3/	3/	10	300	310
<b>Arizona</b>						
1993	1,615	940	1,325	120	300	4,300
1994	1,865	975	1,270	90	200	4,400
1995	1,805	985	1,290	120	300	4,500
1996	1,720	785	1,370	125	300	4,300
1997	1,750	700	1,415	135	300	4,300
1998	1,675	675	1,495	155	300	4,300
1999	1,640	680	1,335	145	300	4,100

1/ Area acreage estimates developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization, Arizona Cooperative Extension Service, Arizona Wine Growers Association, and local growers.

2/ Includes Black Beauty, Exotic, Concord, and Zante Currant varieties.

3/ Acreage too small to publish.

4/ Includes Cochise, Graham, Pima, Santa Cruz, and Yavapai counties.

## Grapes: Acreage, Yield, Production, and Value

	1993	1994	1995	1996	1997	1998	1999
Harvested (Acres) 1/	4,300	4,400	4,500	4,300	4,300	4,300	4,100
Yield per acre (Tons)	5.58	5.91	5.78	5.81	5.81	5.35	5.12
Total production (Tons)	24,000	26,000	26,000	25,000	25,000	23,000	21,000
Utilized production (Tons)	24,000	26,000	26,000	25,000	25,000	23,000	21,000
Season average price per ton (Dollars) 2/	753.00	940.00	897.00	803.00	588.00	751.00	801.00
Value of utilized production (1,000 Dollars)	18,066	24,430	23,314	20,063	14,694	17,276	16,821

1/ Area acreage estimates developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization, Arizona Cooperative Extension Service, Arizona Wine Growers Association, and local growers.

2/ Average price for the June 5-July 15 marketing season.

## Deciduous Fruits: Acreage, Production, and Value 1/

	1994	1995	1996	1997	1998	1999
----- Nectarines -----						
Acres in production (Acres)	12	12	12	12	4/	4/
Utilized production (1,000 Units) 2/						
Value of production (1,000 Dollars) 2/						
----- Peaches -----						
Acres in production (Acres)	284	297	322	301	325	280
Utilized production (1,000 Units) 3/	35	41	50	81	88	75
Value of production (1,000 Dollars)	109	192	395	288	362	100
----- Miscellaneous Fruit 5/ -----						
Acres in production (Acres)	254	753	807	829	1,240	3,576
Utilized production (1,000 Units)						
Value of production (1,000 Dollars)	54	315	1,927	2,445	2,831	8,985

1/ Developed with the assistance of the Arizona Citrus, Fruit and Vegetable Standardization, the Arizona Cooperative Extension Service, Market News Service, and local growers.

2/ Utilized production and value of production not available.

3/ Net weight per unit, 26 pound carton.

4/ Included in 'Miscellaneous Fruit'.

5/ Includes figs, plums, dates, pears, cherries, nectarines, apricots, olives, and pistachios. Utilized production not published due to the different units of production.

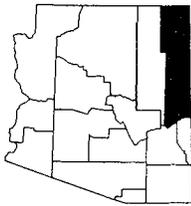
## Nuts: Acreage, Production, and Value 1/

	1994	1995	1996	1997	1998	1999
----- Pecans 2/ -----						
Acres in production (Acres)	14,589	15,242	15,122	12,873	14,300	14,500
Utilized production (1,000 Lbs)			17,000	18,500	13,000	22,800
Value of production (1,000 Dollars)			10,540	23,125	20,670	27,132
----- Pistachio -----						
Acres in production (Acres)	2,500	2,383	2,935	2,735	2,735	2,800
Utilized production (1,000 Lbs)	5,575	5,719	4,900	7,983	3,897	4,900
Value of production (1,000 Dollars)	5,140	5,490	5,537	9,021	7,717	7,350

1/ Developed with the assistance of the Arizona Citrus, Fruit and Vegetable Standardization, the Arizona Cooperative Extension Service, Market News Service, and local growers.

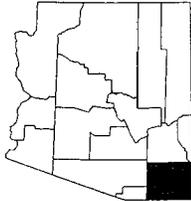
2/ Utilized production and value of production not available prior to 1996.

**APACHE COUNTY**



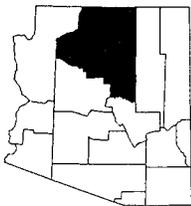
<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>	<u>Rank</u>	
Barley	1/				Crops \$ 673,000	15	
Corn for grain	1/				Livestock \$31,739,000	8	
Alfalfa hay	1/						
Other hay	1/						
<u>Livestock January 1, 2000</u>							
All cattle and calves						33,000	8
All sheep and lambs						57,000	1 2/

**COCHISE COUNTY**



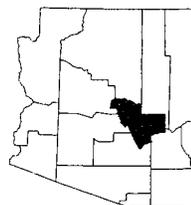
<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>	<u>Rank</u>
Upland cotton	4,300	714 lbs	6,400 bales	8	Crops \$41,818,000	5
Durum wheat	1/				Livestock \$50,169,000	6
Other wheat	1/					
Barley	4,000	5,040 lbs	10,080 tons	3	<u>Livestock January 1, 2000</u>	
Corn for grain	17,200	11,600 lbs	99,740 tons	1	All cattle and calves	70,000 4
Alfalfa hay	4,500	6.4 tons	29,000 tons	6	All sheep and lambs	3,000 6
Other hay	1,400	4.1 tons	5,700 tons	5		
Principal vegetables	2,700	500 cwt	1,326,000 cwt	4		
Grapes	1/					

**COCONINO COUNTY**



<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>	<u>Rank</u>	
Barley	1/				Crops \$1,906,000	11	
Alfalfa hay	1/				Livestock \$38,958,000	7	
Other hay	1/						
<u>Livestock January 1, 2000</u>							
All cattle and calves						48,000	6
All sheep and lambs						7,000	5

**GILA COUNTY**

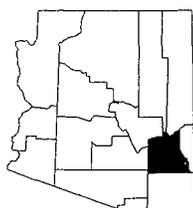


<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>	<u>Rank</u>	
Alfalfa hay	1/				Crops \$884,000	14	
Other hay	1/				Livestock \$12,805,000	12	
<u>Livestock January 1, 2000</u>							
All cattle and calves						17,000	12

See footnotes at end of table

Continued--

**GRAHAM COUNTY**



<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Upland cotton	18,900	1,112 lbs	43,800 bales	5	Crops	\$23,210,000	7
Pima cotton	3,900	825 lbs	6,700 bales	1	Livestock	\$17,481,000	11
Durum wheat	1/				<u>Livestock January 1, 2000</u>		
Other wheat	1/				All cattle and calves	20,000	11
Barley	2,500	5,280 lbs	6,600 tons	5			
Corn for grain	4,000	10,570 lbs	21,140 tons	2			
Alfalfa hay	1/						
Other hay	1/						

**GREENLEE COUNTY**



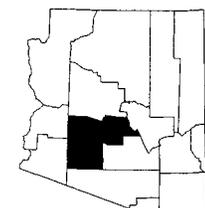
<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Upland cotton	1/				Crops	\$3,797,000	9
Durum wheat	1/				Livestock	\$10,070,000	14
Barley	1/				<u>Livestock January 1, 2000</u>		
Corn for grain	1/				All cattle and calves	9,000	14
Alfalfa hay	1/						
Other hay	1/						

**LA PAZ COUNTY**



<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Upland cotton	16,900	1,292 lbs	45,500 bales	4	Crops	\$60,406,000	4
Pima cotton	1,300	1,108 lbs	3,000 bales	3	Livestock	\$2,233,000	15
Durum wheat	4,800	5,820 lbs	13,970 tons	4	<u>Livestock January 1, 2000</u>		
Other wheat	4,100	6,540 lbs	13,410 tons	1	All cattle and calves	2,000	15
Barley	1/						
Corn for grain	1/						
Alfalfa hay	61,500	7.8 tons	477,000 tons	2			
Other hay	3,800	5.3 tons	20,000 tons	3			
Principal vegetables	4,900	289 cwt	1,418,000 cwt	3			

**MARICOPA COUNTY**

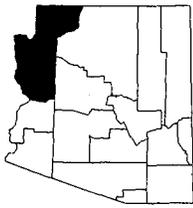


<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Upland cotton	83,700	1,287 lbs	224,500 bales	2	Crops	\$438,371,000	2
Pima cotton	1/				Livestock	\$397,437,000	1
Durum wheat	12,000	5,940 lbs	35,640 tons	3	<u>Livestock January 1, 2000</u>		
Other wheat	2,100	6,060 lbs	6,360 tons	2	All cattle and calves	165,000	2
Barley	22,400	5,520 lbs	61,820 tons	2	All sheep and lambs	22,000	3
Corn for grain	1,000	8,960 lbs	4,480 tons	5			
Alfalfa hay	62,000	8.2 tons	507,000 tons	1			
Other hay	7,900	4.8 tons	38,000 tons	2			
Potatoes	7,500	320 cwt	2,400,000 cwt	1			
Principal vegetables	24,600	275 cwt	6,774,000 cwt	2			
Grapes	2,000		3/				
Citrus	12,800	286 ctn	3,655,000 ctn	2			

See footnotes at end of table.

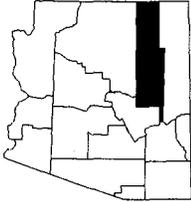
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**MOHAVE COUNTY**



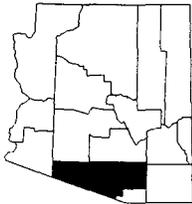
<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Upland cotton	4,500	1,227 lbs	11,500 bales	7	Crops	\$11,103,000	8
Barley	1/				Livestock	\$20,973,000	10
Alfalfa hay	5,400	7.5 tons	40,300 tons	5			
Other hay	1,200	4.6 tons	5,500 tons	6			
					<u>Livestock January 1, 2000</u>		
					All cattle and calves	30,000	10

**NAVAJO COUNTY**



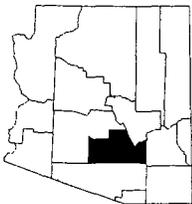
<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Corn for grain	1/				Crops	\$1,770,000	12
Alfalfa hay	1/				Livestock	\$53,529,000	5
Other hay	1/						
					<u>Livestock January 1, 2000</u>		
					All cattle and calves	35,000	7
					All sheep and lambs	3,000	6
					Hogs and pigs	129,000	1

**PIMA COUNTY**



<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Upland cotton	11,300	1,270 lbs	29,900 bales	6	Crops	\$24,663,000	6
Pima cotton	1/				Livestock	\$29,919,000	9
Durum wheat	1/						
Other wheat	1/						
Barley	1,600	5,280 lbs	4,220 tons	6			
Corn for grain	1/						
Alfalfa hay	1/						
Other hay	1/						
Principal					<u>Livestock January 1, 2000</u>		
Vegetables	850	153 cwt	130,150 cwt	6	All cattle and calves	32,000	9
Grapes	1/						

**PINAL COUNTY**

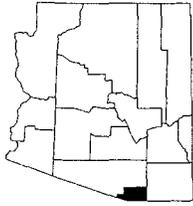


<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>		<u>Rank</u>
Upland cotton	106,300	1,331 lbs	294,800 bales	1	Crops	\$186,327,000	3
Pima cotton	1,300	665 lbs	1,800 bales	4	Livestock	\$143,287,000	2
Durum wheat	16,400	5,700 lbs	46,740 tons	2			
Other wheat	1,100	6,180 lbs	3,400 tons	4			
Barley	27,400	5,520 lbs	75,620 tons	1			
Corn for grain	3,000	10,080 lbs	15,120 tons	4			
Alfalfa hay	24,500	8.5 tons	207,000 tons	4			
Other hay	2,600	3.9 tons	10,000 tons	4			
Potatoes	2,100	297 cwt	624,000 cwt	2			
Principal					<u>Livestock January 1, 2000</u>		
vegetables	1,800	343 cwt	618,000 cwt	5	All cattle and calves	210,000	1
Grapes	675				All sheep and lambs	13,000	4

See footnotes at end of table.

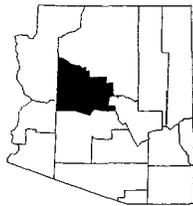
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**SANTA CRUZ COUNTY**



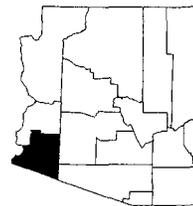
<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>	<u>Rank</u>
Alfalfa hay	1/				Crops \$1,300,000	13
Other hay	1/				Livestock \$10,273,000	13
Grapes	1/					
<u>Livestock January 1, 2000</u>						
					All cattle and calves 10,000	13

**YAVAPAI COUNTY**



<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>	<u>Rank</u>
Barley	1/				Crops \$2,998,000	10
Corn for grain	1/				Livestock \$57,412,000	4
Alfalfa hay	1/					
Other hay	1/					
Grapes	1/					
<u>Livestock January 1, 2000</u>						
					All cattle and calves 67,000	5

**YUMA COUNTY**



<u>Crops 1999</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1998</u>	<u>Rank</u>
Upland cotton	22,400	1,251 lbs	58,400 bales	3	Crops \$625,935,000	1
Pima cotton	1,800	1,093 lbs	4,100 bales	2	Livestock \$66,636,000	3
Durum wheat	35,300	5,880 lbs	103,780 tons	1		
Other wheat	1,300	6,420 lbs	4,170 tons	3		
Barley	2,900	5,520 lbs	8,000 tons	4		
Corn for grain	3,400	10,130 lbs	17,220 tons	3		
Alfalfa hay	30,000	8.3 tons	249,000 tons	3		
Other hay	20,500	4.0 tons	82,000 tons	1		
Principal						
vegetables	76,800	309 cwt	23,709,000 cwt	1		
Potatoes	1/					
Grapes	1,115		3/			
Citrus	18,300	489 ctn	8,945,000 ctn	1		
<u>Livestock January 1, 2000</u>						
					All cattle and calves 92,000	3
					Sheep and lambs 35,000	2

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.  
 2/ All Navajo Reservation sheep are recorded in Apache County.  
 3/ Production by county not available.

# FARM LABOR

The farm employment and wage rate estimates are for the week that includes the 12th of the month, which corresponds to the week specified in general employment and wage series of other Government agencies.

Hired workers include both family members and other workers who are paid by the farm or ranch operator for working on agricultural jobs for 1 hour or more during the week of the 12th. Workers paid by a crew leader or agricultural service firm hired by the farm or ranch operator to perform specific tasks are not included in the number of hired workers or wage rate statistics. A separate tabulation of these agricultural service workers is maintained only for the Nation, California, and Florida.

## Hired Workers: Number, hours worked, & wage rates by survey week, January 1997-April 2000 1/

Survey week and year	Hired				Type of worker			Wage rates for all hired workers
	Number of workers	Expected to be employed		Number of hours worked	Field	Live-stock	Field & livestock combined	
		150 days or more	149 days or less					
	<i>1,000</i>	<i>1,000</i>	<i>1,000</i>	<i>Hours per week</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>
<u>1997</u>								
January 12-18	15	13	2	42.6	5.82	5.90	5.85	6.37
April 6-12	16	14	2	43.2	5.78	5.90	5.81	6.24
July 6-12	25	17	8	41.2	6.30	6.21	6.29	6.99
October 12-18	20	16	4	41.5	6.17	6.66	6.25	6.85
<u>1998</u>								
January 11-17	17	15	2	42.0	6.63	6.61	6.63	7.34
April 12-18	19	15	4	42.5	6.32	6.52	6.36	7.02
July 12-18	22	16	6	47.7	6.11	6.74	6.22	6.65
October 11-17	25	21	4	46.8	6.55	6.33	6.52	7.00
<u>1999</u>								
January 10-16	16	15	1	43.4	6.66	7.06	6.75	7.18
April 11-17	20	17	3	44.1	6.77	7.58	6.96	7.65
July 11-17	19	15	4	47.2	6.52	6.68	6.56	7.17
October 10-16	22	19	3	44.9	6.51	7.40	6.69	7.12
<u>2000</u>								
January 9-15	20	18	2	43.5	6.51	6.83	6.57	7.22
April 9-15	15	13	2	50.7	6.71	6.53	6.68	7.30

1/ Mountain III region includes Arizona and New Mexico. Excludes agricultural service workers.

# USUAL PLANTING AND HARVESTING DATES

PLANTING
  BEGIN, END HARVEST
  MOST ACTIVE HARVEST

CROP	JAN			FEB			MAR			APR			MAY			JUN			JUL			AUG			SEP			OCT			NOV			DEC		
	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20	1	10	20
ALL COTTON																																				
ALFALFA HAY																																				
ALL WHEAT																																				
BARLEY																																				
CORN FOR GRAIN																																				
SPRING POTATOES																																				
WESTERN LETTUCE																																				
SPRING LETTUCE																																				
FALL LETTUCE																																				
DRY ONIONS																																				
BROCCOLI																																				
CAULIFLOWER																																				
CARROTS																																				
SPRING HONEYDEWS																																				
FALL HONEYDEWS																																				
SUMMER CANTALOUPE																																				
FALL CANTALOUPE																																				
WATERMELON																																				
GRAPEFRUIT																																				
NAVEL ORANGES																																				
VALENCIA ORANGES																																				
LEMONS																																				
TANGERINES																																				
GRAPES																																				
APPLES																																				
PECANS																																				

## Upland Cotton: Estimated Percentage Planted to Specified Varieties

Variety	1995	1996	1997	1998	1999
	----- Percent -----				
Acala 1517-88	1.70	1.80			
Acala 1517-95			1.44		
Agripro AP 6101					5.22
Deltapine 20	2.40	2.40			0.91
Deltapine 20 B				1.27	5.51
Deltapine DP 32 B					1.15
Deltapine NUCOTN 33B			49.77	44.04	31.19
Deltapine NUCOTN 35B			12.72	3.72	9.32
Deltapine 50	4.40	4.60	2.86	2.28	2.17
Deltapine 51	1.20	1.20			0.13
Deltapine Acala 90	4.10	3.90	3.09	1.43	0.81
Deltapine DP 90 B			1.38	2.95	1.70
Deltapine DP 90 RR				3.46	2.71
Deltapine DP 428 B					1.67
Deltapine DP 458 B/RR					1.18
Deltapine DP 5409	5.30	5.00			
Deltapine DP 5415	60.90	61.30	9.05	6.76	4.12
Deltapine DP 5461	1.30	1.30			
Deltapine DP 5690	2.20	2.20		4.73	0.34
Deltapine DP 5690 B/RR					4.04
Hyperformer HS 46	1.80	1.70			
Stoneville 474	1.90	1.70	1.18		
Stoneville BXN 47					1.91
Stoneville ST 474					3.43
Suregrow 125	1.10	1.10	5.34	8.91	4.95
Suregrow 125B/R					2.00
Suregrow 248			1.35		0.15
Suregrow 501	1.40	1.40			0.51
Suregrow 747					1.24
Suregrow 821					1.28
Suregrow 1001		8.10			
All Other 1/	10.30	2.30	11.80	20.45	12.36

1/ Includes most commonly used varieties. Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division.

## Pima Cotton: Estimated Percentage Planted to Specified Varieties

Variety	1995 1/	1996 1/	1997	1998	1999
	----- Percent -----				
Pima S-6			21.36	6.82	3.68
Pima S-7			30.99	36.84	61.61
White Pima			20.42	24.21	5.52
White Pima HTO			4.32	29.77	27.70
All Other 2/			22.91	2.36	1.49

1/ Not available.

2/ Includes most commonly used varieties. Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division.

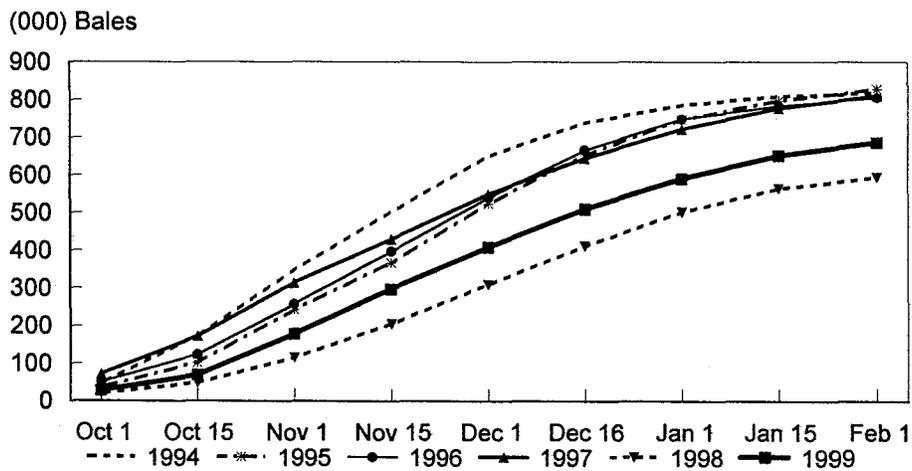
## Cotton Progress

Survey Week	1993	1994	1995	1996	1997	1998	1999
	-----Percent of Acreage-----						
<b>Planted:</b>							
March 30	14	27	18	25	24	12	10
April 10	30	45	38	35	39	18	15
April 20	59	74	62	74	63	34	39
April 30	79	88	84	87	82	65	63
May 10	91	96	95	92	94	89	87
May 20	98	99	97	97	98	96	87
May 30	100	100	100	99	100	99	99
June 10				100		100	100
<b>Squaring:</b>							
June 10	61	77	56	61	65	27	34
June 20	83	93	71	78	80	56	56
June 30	94	99	87	95	91	78	90
July 10	98	100	98	97	97	89	96
July 20	100		100	100	100	98	99
July 30						100	100
<b>Setting Bolls:</b>							
June 20	32	29	18	27	28	3	10
June 30	57	55	32	60	49	12	25
July 10	76	77	49	68	68	21	46
July 20	94	92	68	82	95	38	56
July 30	99	99	82	95	99	97	86
August 10	100	100	98	100	100	100	100
August 20			100				
<b>Open Bolls:</b>							
August 10	38	43	24	42	25	3	5
August 20	63	65	44	55	47	17	24
August 30	86	83	86	78	66	38	39
September 10	96	93	95	96	91	73	80
September 20	99	98	98	100	98	90	89
September 30	100	100	100		100	94	100
October 10						97	
October 20						100	
<b>Harvested:</b>							
September 30	30	24	12	17	26	6	5
October 10	50	41	21	23	36	16	13
October 20	68	67	30	35	47	30	30
October 30	79	81	50	48	61	50	42
November 10	90	92	70	63	75	65	61
November 20	94	96	79	76	85	78	72
November 30	97	99	89	81	91	83	79
December 10	100	99	94	90	93	86	88
December 20		100	99	96	95	94	94
December 30			100	98	96	96	98
January 10				100	99	99	99
January 20					100	100	100

## All Cotton: Running Bales Ginned and Produced

Upland			American-Pima				
Year	Running bales ginned	Equivalent 480-pound bales ginned	Running bales produced	Year	Running bales ginned	Equivalent 480-pound bales ginned	Running bales produced
-----Bales-----			-----Bales-----				
1993	732,200	751,950	768,550	1993	84,550	87,250	84,150
1994	743,500	764,400	759,800	1994	78,150	80,700	77,800
1995	761,000	780,050	773,200	1995	70,750	72,650	70,300
1996	740,400	762,200	755,000	1996	72,450	74,800	72,000
1997	803,150	824,550	824,800	1997	41,200	42,350	40,600
1998	575,350	591,400	591,450	1998	25,400	26,750	25,350
1999	679,900	695,750	699,600	1999	16,000	16,600	15,800

**Arizona All Cotton Running Bales Ginned  
1994-1999**



## Pesticide Use by Type, 1999 1/

Active Ingredient	Acres Treated	Pounds Applied	Active Ingredient	Acres Treated	Pounds Applied
<b>Insecticides</b>			<b>Herbicides</b>		
Acephate	245,606	197,728	Pendimethalin	57,971	51,641
Oxamyl	40,021	31,689	Norflurazon	3,463	34,346
Permethrin	122,802	22,264	Pronamide	35,547	33,791
Spinosad	118,826	9,383	Cyanazine	13,110	9,942
Methamidophos	9,635	7,975	Bentazon	12,175	6,198
Buprofezin	19,880	7,068	Diclofop-methyl	4,664	4,198
Cypermethrin	80,361	6,499	Tebuthiuron	8,906	3,563
Imidacloprid	31,488	5,733	Sethoxydim	11,685	3,559
Lambda-cyhalothrin	175,736	5,132	Clethodim	11,316	2,779
Fenpropathrin	25,602	4,709	Oryzalin	494	1,260
Thiodicarb	5,349	3,396	Metribuzin	2,690	1,106
Tebufenozide	26,552	2,830	Napropamide	810	1,024
Pyriproxyfen	28,676	1,514	Other herbicides	23,652	4,055
Zeta-cypermethrin	31,250	1,347			
Cyfluthrin	34,955	1,203	<b>Other products:</b>		
Esfenvalerate	25,702	1,064	Mepiquat chloride	143,401	4,196
Bifenthrin	18,734	1,018	Thidiazuron	134,636	2,640
Other insecticides	7,008	638	Bacillus cereus	96,155	N/A
			Glyphosate	54,281	48,046
<b>Fungicides</b>			Hexadecadien (Z,Z)	29,526	79
Vinclozolin	13,698	11,384	Monocarbamide dihyd.	8,443	11,915
Fosetyl-al	4,148	10,465	Cytokinins	4,324	N/A
Mefenoxam	2,651	5,128	L-Glutamic acid	961	72
Iprodione	5,274	4,915	Garlic oil	474	312
Azoxystrobin	8,544	1,760			
Other fungicides	9,003	1,578			

1/ Data summarized from Arizona Department of Agriculture L1080 forms.

## Chemical Applications on Lettuce

The Arizona Agricultural Statistics Service continues their series of on-farm agricultural chemical use statistics. The data presented in this summary are part of the data series on chemical use funded through the Water Quality Initiative.

The Water Quality Initiative is a multi-agency program designed to provide information for farmers, ranchers, and foresters to address on-farm and off-farm environmental issues. In the past, there has been an inadequate amount of farm level data to determine the magnitude of water quality problems or to permit an assessment of alternatives for farmers and other affected parties. This summary

and other agricultural chemical reports help fill the needs of analysts evaluating the complex environmental issues.

The Arizona Agricultural Statistics Service is responsible for collecting on-farm agricultural chemical use information to support the evaluation of water quality and food safety issues. The Economic Research Service (ERS) conducts research on the impact of alternative pesticide regulations, policies, and practices.

Included in this summary is farm use of pesticides during 1998 on lettuce grown in Arizona.

### Lettuce: Agricultural Chemical Applications, 1998

Active Ingredient	-----Head Lettuce-----					-----Other Lettuce-----				
	Area applied	Applica-tions	Rate per application	Rate per crop year	Total applied	Area applied	Applica-tions	Rate per application	Rate per crop year	Total applied
	Percent	Number	---Lbs per acre---		1,000 Lbs	Percent	Number	---Lbs per acre---		1,000 Lbs
<b>Herbicides:</b>										
Benefin	21	1.1	1.23	1.35	15.8	29	1.1	1.33	1.55	7.6
Bensulide	11	1.0	3.56	3.58	22.2	15	1.9	4.31	8.44	21.6
Pronamide	29	1.0	0.90	0.95	15.2	28	1.3			4.0
Paraquat						2	1.0	0.70	0.71	0.3
Sethoxydim	2	1.1	0.27	0.30	0.3	2	1.7	0.26	0.45	0.2
<b>Insecticides:</b>										
Acephate						8	1.1	0.91	1.00	1.3
Bt (Bacillus thur.) 2/	35	1.4				33	1.1			
Cypermethrin	70	1.5	0.08	0.12	4.7					
Dimethoate						9	1.6	0.24	0.40	0.6
Endosulfan	18	1.0	0.85	0.92	9.1	21	1.1	0.78	0.92	3.2
Imidacloprid	18	1.0	0.23	0.24	2.3					
Lambda-cyhalothrin	24	1.5	0.03	0.04	0.5	3	1.3	0.03	0.03	1/
Methomyl	80	2.0	0.67	1.33	57.9					
Oxymyl	1/	1.0	0.89	0.89	0.2					
Permethrin	63	1.4	0.17	0.24	8.1					
Pyrethrins						3	1.2	0.01	0.02	1/
Spinosad	65	1.3	0.09	0.11	4.0	74	1.5	0.09	0.13	1.6
Tebufenozide	38	1.0	0.11	0.12	2.4	38	1.1	0.11	0.13	0.8
Thiodicarb	6	1.0	0.69	0.74	2.2					
Zeta-cypermethrin	52	1.1	0.04	0.05	1.5					
<b>Fungicides:</b>										
Iprodione	7	1.0	0.88	0.90	3.2					
Fosetyl-al						44	1.2	2.45	2.95	21.9
Maneb						79	1.6	1.34	2.22	29.3
Mefenoxam	9	1.1	0.15	0.16	0.8	20	1.0	0.18	0.19	0.6
Metalaxyl	2	1.0	0.23	0.23	0.2					
Vinclozolin	21	1.0	0.91	0.92	10.7	17	1.2	0.83	1.03	2.9

1/ Value too small to publish.

2/ Rates and total applied are not available because amounts of active ingredient are not comparable between products.

## Weather Effects on Arizona Agriculture in 1999

With Arizona's diverse topography, the state's temperatures range from the wintertime cold in the higher mountain areas to the searing summertime heat of the desert areas. The highest recorded temperature for the year was 119 degrees at Lake Havasu City on June 30 and Willow Beach on July 2. Flagstaff recorded the lowest temperature of -8 degrees on November 25. In general, temperatures were above normal in all months except April, May, and June. During April they were below average while May and June temperatures were mixed.

The first quarter of 1999 showed below average precipitation throughout the state. It was April before any reporting station showed above normal readings. Rains slowed in May and June. The monsoon season arrived in July with three months of heavy rains and then nearly nothing for the remainder of the year.

With the warmer temperatures, the growth and maturity of winter vegetable crops accelerated. Produce being harvested included a wide variety of vegetables and citrus, and pecans. Planting of the small grain acreage was complete by late February. Cotton planting commenced in early March, a little later than the year earlier. Cotton planting didn't finish until mid June, nearly 2 weeks behind a year ago.

Dry range conditions across the state continued to worsen as high temperatures and no precipitation was the norm. Cattle were reported to be in fair condition, while grazing and range and pasture conditions were poor to good.

April precipitation brought some relief to range conditions. Cotton progress was ahead of normal even though it was a little late in getting planted. The small grains crop continued to progress normally. Temperatures averaged below normal in April but mixed in May and June. The state's citrus groves

continued harvesting grapefruit, tangerines and tangelos. The lemon harvest was winding down while the Valencia orange harvest gained momentum.

The monsoon season arrived in mid July and continued with above average rainfall through mid September. Temperatures generally remained above average throughout the state during August and September.

The small grain crop harvest was completed in early July. Because of the monsoon rains, grazing areas moved from poor to fair condition in July to fair to good condition in August.

Cotton condition was still good but progress was behind normal by a little more than a week. Cotton harvest started in southern Arizona in early September and the other producing areas were active before the end of the month. Harvest progress was a little behind normal.

The fourth quarter brought higher than normal temperatures throughout the state. There was almost no rain in the state during October, November and December. Range and cattle conditions declined to poor because of high temperatures and lack of moisture. Some livestock were in need of supplemental feeding. Cotton harvest was virtually complete by the end of the year. By late November, small grain seeding had begun in western and central areas; the lemon harvest was well under way in the west; the navel orange and grapefruit harvests were gaining momentum; and the alfalfa cuttings was near completion. Small grain plantings were about one-third complete at the end of the year. Alfalfa cuttings neared completion while the vegetable harvest stayed active as the year came to an end.

## Mean Monthly Temperature: 1999 and Long Term Average 1/

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec 2/	Average
	----- Degrees Fahrenheit -----												
Canyon de Chelly	38.0	41.0	49.6	49.5	61.4	70.5	75.5	73.3	64.7	55.1	45.1	29.9	54.5
	30.2	36.9	43.5	51.1	59.8	69.2	69.2	75.2	65.6	53.7	41.8	31.5	52.3
Flagstaff	34.3	35.1	39.0	37.5	49.4	58.0	64.2	62.1	56.1	47.7	40.5	29.3	46.1
	28.7	31.5	35.3	42.3	50.4	59.8	66.3	64.1	57.3	47.2	36.8	29.6	45.8
Grand Canyon 2/	33.8	36.3	41.7	40.7	52.3	61.2	66.1	64.4	58.3	51.3	44.4	32.3	48.6
Winslow	38.5	41.6	59.8	49.2	62.0	71.2	76.2	74.1	66.6	56.1	46.5	32.2	56.2
	31.9	39.0	45.5	53.3	62.3	72.2	78.2	75.7	68.2	56.2	43.9	33.1	55.0
Prescott	41.0	43.2	47.5	46.8	59.6	68.8	72.5	71.0	65.5	58.5	50.5	37.5	55.2
	36.2	39.1	42.7	49.3	57.6	67.2	73.1	70.4	64.5	54.7	44.0	36.6	53.0
Payson	42.6	44.6	49.1	48.2	60.4	69.6	74.5	75.1	68.3	60.3	51.6	40.2	57.0
	39.0	41.9	45.6	52.3	60.1	69.4	75.5	73.3	66.8	57.2	46.2	39.2	55.5
Parker	57.0	60.1	64.6	67.1	M	M	93.1	93.8	89.5	78.4	65.8	55.1	M
	53.3	58.4	63.4	70.7	79.3	88.2	94.2	92.8	86.2	74.8	62.0	53.4	73.1
Yuma	57.6	60.6	64.2	66.5	78.4	86.6	92.3	93.4	89.5	79.4	67.1	57.0	74.4
	55.1	57.0	61.7	67.9	75.2	83.7	90.3	89.5	83.8	72.9	60.9	53.4	71.0
Casa Grande	54.9	58.8	64.1	65.5	77.9	87.6	89.4	89.8	86.3	75.3	66.0	53.6	72.4
	51.4	55.5	60.3	67.6	76.4	85.6	91.0	88.6	82.6	71.6	59.3	51.5	70.1
Gila Bend	55.4	58.5	63.1	66.3	77.8	86.6	91.7	92.7	88.2	77.4	66.4	53.5	73.1
	54.1	58.4	63.2	70.6	79.1	88.1	94.4	92.5	86.6	75.2	62.9	54.7	73.3
Phoenix	56.8	60.3	64.9	65.9	79.8	88.8	91.3	93.0	87.4	79.3	68.0	55.3	74.2
	53.6	57.7	62.2	69.9	78.8	88.2	93.5	91.5	85.6	74.5	61.9	54.1	72.6
Douglas	48.6	51.8	55.9	59.0	70.0	76.8	77.4	77.5	75.2	64.4	57.0	44.7	63.2
	44.8	48.1	52.9	59.9	67.6	76.7	78.8	76.8	72.7	63.1	52.3	45.4	61.6
Safford	47.0	50.1	58.1	59.5	70.7	79.1	81.7	81.5	76.9	67.0	57.6	44.0	64.4
	43.7	48.1	53.5	60.9	69.4	78.8	83.0	80.7	75.0	64.3	52.4	44.2	62.8
Tucson	54.2	57.2	62.1	62.1	75.6	84.4	84.0	85.3	82.4	74.1	65.9	51.5	69.9
	51.3	54.4	58.7	65.8	74.0	83.8	86.6	84.5	80.4	70.4	59.2	52.0	68.4
Willcox	46.2	48.6	53.7	56.8	66.8	75.5	77.5	77.6	73.9	61.9	54.2	42.1	61.2
	42.8	46.0	50.9	57.5	65.2	74.3	79.2	76.7	71.2	60.7	49.8	43.0	59.8

1/ Top row 1999, bottom row long-term average.  
 2/ Long-term average not available. M - Missing. Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data

## Total Precipitation: 1999 and Long-Term Average 1/

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec 2/	Total
	-----Inches-----												
Canyon de Chelly	0.02	0.14	T	0.66	0.80	0.97	2.61	3.35	0.56	0.00	T	T	9.11
	0.72	0.60	0.74	0.52	0.53	0.27	1.31	1.37	0.93	1.05	0.85	0.74	9.63
Flagstaff	0.28	0.48	0.53	2.80	0.42	0.95	3.27	2.45	4.54	0.01	0.00	T	15.71
	2.04	2.09	2.55	1.48	0.72	0.40	2.78	2.75	2.03	1.61	1.95	2.40	22.80
Grand Canyon 2/	0.33	0.73	0.08	2.08	1.23	0.61	5.37	3.03	1.79	T	0.00	0.19	15.44
Winslow	0.05	0.02	0.09	0.90	0.08	0.28	1.47	1.70	2.59	0.00	0.00	T	7.18
	0.45	0.52	0.55	0.26	0.31	0.31	1.20	1.39	0.91	0.91	0.57	0.66	8.04
Prescott	0.15	0.35	0.84	0.95	0.38	1.08	5.40	2.92	4.45	0.00	0.00	T	16.52
	1.53	1.54	1.82	0.81	0.55	0.46	3.20	3.43	2.00	1.12	1.54	1.63	19.63
Payson	0.05	0.75	0.67	4.94	T	0.04	6.54	2.17	3.42	0.00	0.00	T	18.58
	2.01	1.91	2.36	1.07	0.55	0.35	2.64	3.23	2.13	1.72	1.85	2.26	22.08
Parker	0.03	0.40	0.00	0.66	M	M	0.91	0.05	1.31	0.00	0.00	T	M
	0.60	0.44	0.50	0.17	0.06	0.02	0.30	0.54	0.50	0.37	0.45	0.55	4.50
Yuma	0.00	0.60	0.00	1.10	0.00	0.02	0.61	T	0.36	0.00	0.00	0.00	2.69
	0.41	0.28	0.28	0.13	0.03	0.03	0.34	0.70	0.35	0.37	0.27	0.46	3.65
Casa Grande	0.00	0.00	0.20	M	0.00	M	0.09	0.77	M	0.00	0.00	0.00	M
	0.73	0.69	0.88	0.27	0.13	0.13	0.88	1.98	0.86	0.77	0.76	1.17	9.25
Gila Bend	0.20	0.11	0.04	1.15	0.01	0.15	2.45	2.04	0.10	0.00	0.00	0.00	6.25
	0.61	0.60	0.61	0.20	0.14	0.03	0.67	1.24	0.71	0.45	0.67	0.93	6.86
Phoenix	0.01	0.17	0.11	1.13	0.00	T	2.96	0.92	1.31	0.00	0.00	0.00	6.61
	0.67	0.68	0.88	0.22	0.12	0.13	0.83	0.96	0.86	0.65	0.66	1.00	7.66
Douglas	T	0.00	0.05	0.07	0.00	0.11	5.93	2.27	0.69	T	0.00	T	9.12
	0.73	0.52	0.40	0.21	0.20	0.47	3.41	2.98	1.77	1.09	0.60	1.04	13.42
Safford	0.00	0.00	0.12	0.87	0.00	0.06	2.19	2.67	1.65	0.02	0.00	0.00	7.58
	0.68	0.65	0.52	0.21	0.18	0.26	1.73	1.57	1.36	1.00	0.56	0.96	9.68
Tucson	T	0.00	0.02	1.12	0.00	T	3.56	2.32	0.49	T	0.00	0.01	7.52
	0.87	0.70	0.72	0.30	0.18	0.20	2.37	2.19	1.67	1.06	0.67	1.07	12.00
Willcox	0.03	0.01	0.22	0.46	0.00	0.26	5.61	6.60	0.84	0.00	0.00	0.00	14.03
	0.94	0.72	0.57	0.26	0.22	0.30	2.67	2.71	1.47	1.16	0.61	1.29	12.92

1/ Top row 1999, bottom row long-term average.

2/ Long-term average not available. M - Missing. Source, T - Trace: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

## Freeze Dates: Last 32° Temperatures in Spring and First in Fall

District and Station	----1995----		----1996----		----1997----		----1998----		----1999----	
	Last in Spring	First in Fall	Last in Spring	First in Fall	Last in Spring	First in Fall	Last in Spring	First in Fall	Last in Spring	First in Fall
Canyon de Chelly	May 7	Oct 6	May 1	Oct 18	Apr 15	2/	Apr 21	Oct 5	Apr 30	Sept 29
Flagstaff	June 21	Sept 30	June 1	Sept 20	June 16	Sept 22	June 18	Sept 27	June 11	Sept 4
Grand Canyon	June 19	Oct 1	May 31	Sept 18	May 3	2/	2/	2/	June 7	Oct 8
Winslow	May 8	Oct 5	Apr 30	Oct 18	Apr 26	Oct 9	May 15	Oct 6	Apr 30	Oct 17
Prescott	May 7	Oct 5	Apr 19	Oct 21	Apr 14	Oct 13	May 15	Oct 6	Apr 29	Oct 18
Payson	May 9	Oct 6	Apr 21	Oct 22	Apr 15	Oct 12	May 16	Oct 6	May 5	Oct 18
Parker	1/	1/	Jan 23	Dec 20	1/	Dec 27	1/	Dec 8	Jan 5	Dec 15
Yuma	1/	1/	Jan 24	1/	1/	Dec 25	1/	1/	1/	1/
Casa Grande	Jan 19	Dec 23	Jan 25	2/	Feb 7	Dec 13	Jan 9	Dec 6	Jan 29	Nov 23
Gila Bend	1/	Dec 21	Jan 26	Dec 4	Feb 7	Dec 13	Jan 7	Dec 6	Feb 12	Nov 23
Phoenix	1/	1/	1/	1/	1/	1/	1/	Dec 24	1/	1/
Douglas	Apr 20	Nov 19	Apr 7	Oct 22	Apr 12	Oct 27	Apr 17	Nov 10	Apr 10	Oct 18
Safford	Apr 20	Nov 23	Mar 30	Oct 22	Mar 4	Oct 25	Apr 17	Nov 10	Apr 10	Nov 22
Tucson	Mar 26	Dec 23	Mar 2	Dec 1	Feb 22	Dec 11	Feb 16	Dec 7	Feb 11	Dec 4
Willcox	Apr 23	Oct 25	Apr 20	Oct 22	Apr 25	Oct 18	May 15	Nov 3	Apr 11	Oct 30

1/ No low temperature of 32° or less.

2/ Not available. Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data.

## Land Ownership and Administration: Acreage & Percent of Total by County 1/

County	Forest Service	Bureau of Land Management	State of Arizona	Indian Reservations	Individual or Corporate 2/	Other Public Lands 3/	Total Area 4/	-----Area of-----	
								Land	Water 5/
-----1,000 Acres-----									
Apache	492	124	648	4,729	1,034	154	7,181	7,175	6
Cochise	490	376	1,371	0	1,629	114	3,980	3,980	0
Coconino	3,272	612	1,140	5,447	596	880	11,947	11,909	38
Gila	1,702	65	31	1,159	82	28	3,067	3,041	26
Graham	396	760	497	1,072	249	3	2,977	2,963	14
Greenlee	751	172	173	0	74	6	1,176	1,176	0
La Paz	0	1,691	259	226	53	660	2,889	2,870	19
Maricopa	658	2,430	659	264	1,768	125	5,904	5,834	70
Mohave	5	5,235	582	544	1,031	1,225	8,622	8,503	119
Navajo	488	88	370	3,489	1,909	30	6,374	6,371	3
Pima	390	363	867	2,491	670	1,099	5,880	5,880	0
Pinal	223	290	1,209	774	899	44	3,439	3,420	19
Santa Cruz	418	4	61	0	309	0	792	792	0
Yavapai	1,964	567	1,266	8	1,375	21	5,201	5,196	5
Yuma	0	1,474	190	9	324	1,534	3,531	3,526	5
<b>Total</b>	<b>11,252</b>	<b>14,253</b>	<b>9,323</b>	<b>20,212</b>	<b>11,997</b>	<b>5,923</b>	<b>72,960</b>	<b>72,636</b>	<b>324</b>

County	Forest Service	Bureau of Land Management	State of Arizona	Indian Reservations	Individual or Corporate 2/	Other Public Lands 3/	-----Percent of Total Area-----		
Apache		7	2	9	66	14		2	
Cochise		12	9	35	0	41		3	
Coconino		27	5	10	46	5		7	
Gila		55	2	1	38	3		1	
Graham		13	26	17	36	8		6/	
Greenlee		64	15	15	0	6		6/	
La Paz		0	58	9	8	2		23	
Maricopa		11	41	11	5	30		2	
Mohave		6/	61	6	6	12		15	
Navajo		8	1	6	55	30		1	
Pima		7	6	15	42	11		19	
Pinal		7	8	35	23	26		1	
Santa Cruz		53	6/	8	0	39		0	
Yavapai		38	11	24	6/	26		6/	
Yuma		0	42	5	6/	9		43	
<b>Total</b>		<b>15</b>	<b>20</b>	<b>13</b>	<b>28</b>	<b>16</b>		<b>8</b>	

1/ Reference dates: Forest Service, September 30, 1998; Bureau of Land Management, September 1997; State of Arizona, June 1997; and Bureau of Indian Affairs, December 31, 1998. May not add due to rounding.

2/ Derived as residual.

3/ Includes land administered by National Park Service, Department of Defense, Fish and Wildlife Service, Bureau of Reclamation, and other state, county, and city public land.

4/ U.S. Department of Commerce, Bureau of Census, 1980.

5/ The term "water" includes permanent inland water surface such as lakes, ponds, and reservoirs having 40 acres or more of area and streams and canals one-eighth mile or more in width.

6/ Less than 0.5 percent.

## International Trade

It is not possible under present methods of statistical measurement to determine what amount of Arizona's production is actually sold abroad. No reliable system of reporting this information has yet been designed, and no official series exists. If such figures were available they would be of little use to farm analysts and producers unless they bore some regular relationship to the state's annual agricultural production.

The alternative that is usually taken is to impute to each state a share of U.S. exports proportional to its share of total U.S. production. The export values appearing in the following table were calculated in this manner. The ratio of Arizona production to U.S. production for each commodity listed was multiplied by the value of U.S. exports of that commodity. The same procedure can also yield an export value share for the southwest states taken together. While in certain cases the actual export value can be found to differ from the imputed

export share, the defense of the calculation rests on the principle that supplies of a given commodity from one state or another are essentially interchangeable in domestic and foreign markets.

To make the apportionment of exports to states more realistic, data for certain groups such as feed grains were limited to states that account for 90 percent of the output. It was also assumed that a state would share in exports only if it had an apparent surplus. The latter involves computing grain-consuming animal units and the amount of grain needed to sustain those numbers.

For a detailed analysis see, Arizona and the U.S. Foreign Trade in Agricultural Commodities, by Robert Rothenberg and Jimmie S. Hillman, University of Arizona, College of Agriculture, July 1983.

### Agricultural Exports: Equivalent Share of Value by Commodity Group 1/

Commodity Group	1993/94	1994/95	1995/96	1996/97	1997/98
Wheat and products	21.3	26.9	29.7	28.1	31.6
Cotton, including linters	127.2	148.3	152.1	124.0	122.5
Cottonseed and products	6.3	6.5	5.1	5.0	4.6
Fruits and preparations	53.3	54.3	54.7	39.7	34.4
Vegetables and preparations	45.7	71.7	63.8	64.5	67.8
Live animals and meat (excludes poultry)	38.7	46.0	51.1	47.7	45.8
Hides and skins	13.6	17.8	17.8	18.8	14.0
Fats, oils, and greases	4.7	8.2	7.1	5.8	7.2
Dairy products	10.9	10.8	10.9	16.1	15.3
Feeds and fodders	7.3	8.6	9.9	11.1	4.4
Seeds	13.4	16.1	17.9	20.9	25.1
Other 2/	6.5	7.5	6.8	7.3	4.9
Arizona	348.8	422.6	427.0	389.0	377.4
United States	43,959.9	54,725.1	59,890.5	57,365.1	53,730.2

1/ Fiscal years October 1-September 30.

2/ Confectionery, nursery and greenhouse, essential oils, beverages, and other miscellaneous animal and vegetable products.

Source: United States Department of Agriculture, Economic Research Service; Foreign Agriculture Trade of the United States.

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	Arizona's Rank
<b>General:</b>												
Number of farms and ranches 1998	Number	TX 227,000	MO 110,000	IA 96,000	TN 91,000	KY 91,000	CA 89,000	OK 84,000	MN 81,000	OH 80,000	IL 79,000	40 7,700
Land in farms and ranches 1998	1,000 Acres	TX 130,500	MT 57,000	KS 47,500	NE 46,400	NM 44,700	SD 44,000	ND 39,400	WY 34,600	OK 34,000	IA 33,000	16 27,500
Cash receipts from farm marketings 1997	Million Dollars	CA 24,616	TX 13,206	IA 10,994	NE 8,848	KS 7,784	IL 7,742	MN 7,680	NC 7,164	FL 6,762	WI 6,193	29 2,368
<b>Field Crops:</b>												
Pima cotton production	1,000 Bales	CA 620	TX 47	AZ 19	NM 10							3 19
Upland cotton production	1,000 Bales	TX 5,050	MS 1,740	CA 1,575	GA 1,570	AR 1,430	LA 900	NC 810	AZ 680	AL 640	TN 590	8 680
Cottonseed production	1,000 Tons	TX 2,056	CA 797	MS 676	AR 553	GA 529	LA 336	NC 279	AZ 273	TN 227	AL 224	8 273
Durum wheat production	1,000 Tons	ND 2,160	MT 284	CA 268	AZ 218	SD 45	MN 5					4 218
Winter wheat production	1,000 Tons	KS 12,972	OK 4,515	TX 3,672	CO 3,096	WA 2,906	NE 2,592	OH 2,163	IL 1,818	SD 1,777	ID 1,619	37 32
Corn for grain production	1,000 Tons	IA 49,230	IL 41,748	NE 32,304	MN 27,720	IN 20,956	KS 11,765	WI 11,411	OH 11,290	SD 10,283	MI 7,098	35 164
Barley production	1,000 Tons	ND 1,428	MT 1,380	ID 1,292	WA 694	CO 217	MN 203	CA 192	WY 175	AZ 170	OR 165	9 170
Alfalfa hay production	1,000 Tons	CA 7,004	SD 6,720	WI 6,510	MN 5,600	NE 5,180	IA 5,070	ID 4,600	KS 3,740	MT 3,630	MI 3,610	19 1,580
Other hay production	1,000 Tons	TX 12,420	MO 5,920	KY 4,085	OK 3,740	TN 3,700	KS 3,515	SD 2,720	NE 2,430	ND 2,393	AR 2,330	42 172
Potatoes production	1,000 Cwt	ID 133,330	WA 95,200	WI 34,000	CO 28,419	OR 28,020	ND 26,400	MN 18,020	ME 17,813	CA 16,227	MI 14,963	19 3,024
Principal field crops harvested acreage	1,000 Acres	IA 24,727	IL 23,356	KS 21,710	TX 20,189	MN 19,778	NE 18,889	ND 18,721	SD 16,184	MO 13,444	IN 12,578	38 719
<b>Fruits:</b>												
Lemons production	1,000 Cartons	CA 32,400	AZ 6,900									2 6,900
Oranges production	1,000 Cartons	FL 371,400	CA 76,000	TX 2,860	AZ 2,300							4 2,300
Grapefruit production	1,000 Cartons	FL 94,100	CA 15,000	TX 12,200	AZ 1,500							4 1,500
Tangerines production	1,000 Cartons	FL 9,900	CA 3,000	AZ 1,900								3 1,900
Grapes Utilized production	1,000 Tons	CA 5,473	WA 265	NY 204	PA 88	MI 75	AZ 21	OR 17	OH 11	AR 5	GA 3	6 21
Apples Utilized production	Million Pounds	WA 5,100	NY 1,230	MI 1,200	CA 825	PA 505	VA 350	NC 165	OR 160	WV 130	OH 91	22 32



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