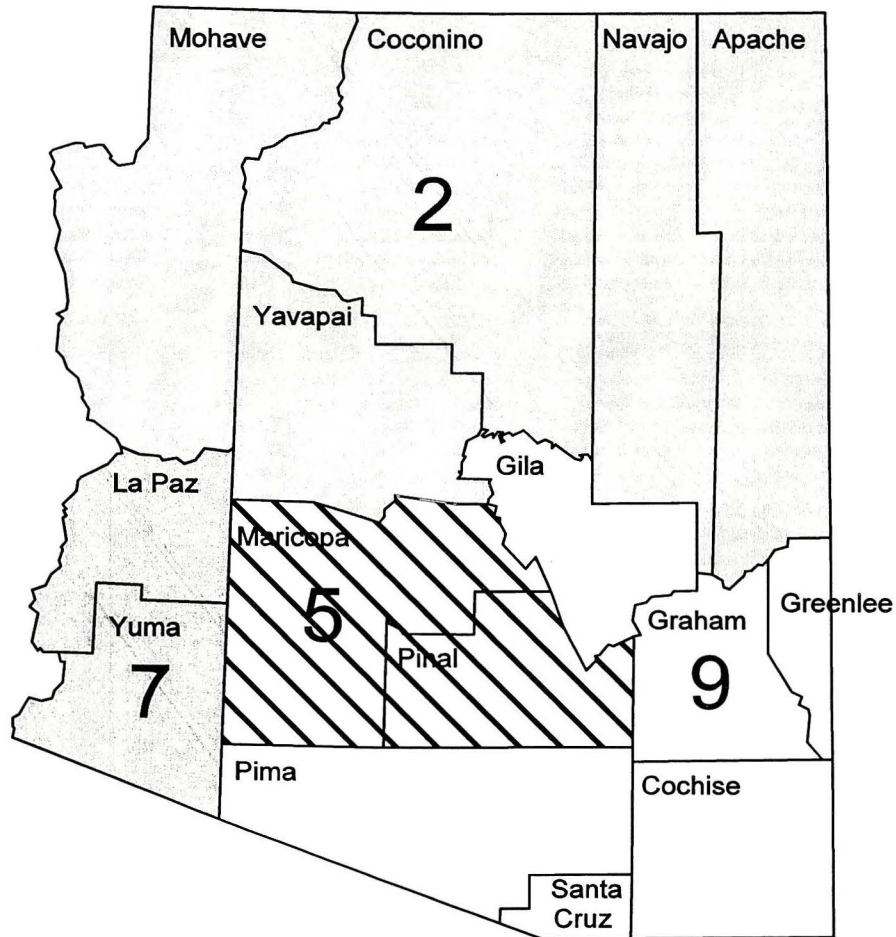


A photograph of several cattle in a field. In the foreground, there is a body of water reflecting the scene. The middle ground shows a grassy field with four cattle: a small brown calf, a larger brown cow, a black and white cow, and another brown cow. The background is a dense forest of tall trees.

1998 ARIZONA AGRICULTURAL STATISTICS

Issued July 1999

Arizona Counties and Crop Reporting Districts



The cover photograph:

Cattle on Bar T Bar Ranch in Winslow, Arizona

Photo courtesy of Robert M Kattnig, Ph.D., Department of Animal Sciences, University of Arizona



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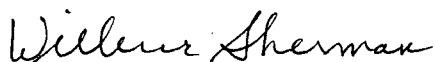
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PREFACE

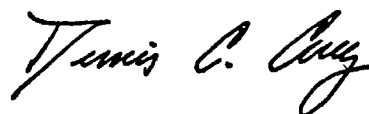
Looking back over 1998 it is hard to find reason for optimism. Supplies of most agricultural commodities were large and prices remained low. Continued economic turmoil in Asia reduced demand and put further downward pressure on the market. Unlike earlier market fluctuations where both losers and gainers could be found, this one has shown an almost across the board price decline. Cotton prices were at the lowest level in 5 years. Durum wheat prices were stagnant and alfalfa hay prices were off more than \$10 per ton. On the livestock side, cattle prices were down 2 points and hog prices were the lowest most producers could remember.

As Arizona farmers and stockmen are reviewing current conditions and considering options for the short and long term, we hope that the information contained in this thirty-fourth issue of **Arizona Agricultural Statistics** will be helpful. We know that good information is the starting point for all sound decisions and we have made every effort to assure the quality of the figures we publish. This edition of our annual publications 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 recognize the contribution of the Arizona Department of Agriculture, farm organizations, and grower associations for their support.

We would like to announce that much information on Arizona agriculture can be found on the Internet pages of our organizations. We invite you to look at <http://ag.arizona.edu> and www.usda.gov/nass/.



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Table of Contents

	<i>Page</i>		<i>Page</i>
Cash Receipts		Grain Stocks Facilities and Hay Stocks	41
Cash Receipts: All Commodities	1	Alfalfa	42-43
Cash Receipts: All Farm Commodities by County	2	Other Hay	42&44
Farm Income Indicators	3	All Hay	42&45
Government Payments	4	Other Field Crops	46
Balance Sheet of the Farming Sector	5		
Farm Numbers and Land in Farms	6	Vegetables, Melons, and Potatoes	
Livestock		Summary	47
Summary	7	Head Lettuce Western	48
Records: Highs and Lows	8	Head Lettuce Other	49-50
Cattle		Leaf Lettuce	51
Summary	9	Romaine Lettuce	51
Cattle and Calves	10-11	Broccoli	52
Cattle on Feed	12	Cauliflower	52
Cattle Prices	13	Dry Onions	53
Grazing Fees	14	Carrots	54
Dairy		Honeydews	54-55
Summary	15	Cantaloupes	56-57
Milk Cows and Milk Production	15-16	Watermelons	58
Goats		Potatoes	59
Summary	17	Other Vegetables	60-61
Angora Goats and Mohair	17	Fruits and Nuts	
Sheep		Summary	62
Summary	18	Apples	62
Sheep and Lambs and Wool	18-19	Pecans	62&70
Hogs		Grapefruit	63
Summary	20	Lemons	64
Hogs and Pigs	20-21	Valencia Oranges	65
Meat Production		Navel, Sweet, and Miscellaneous Oranges	66
Livestock Slaughter	22-24	All Oranges	67
Honey		Tangerines	68
Summary	25	Grapes	69
Colonies and Production	25	Other Fruits and Nuts	70
Crops		County Summary	
Summary	26	Crops, Livestock, Cash Receipts, and 1997 Census	71-78
Records: Highs and Lows	27	Other Statistics	
Field Crops		Usual Planting and Harvesting Dates	79
Highlights	28	Upland Cotton - Varieties Planted	80
Upland Cotton	29-30	Cotton Progress	81
American-Pima Cotton	29&31	Cotton Running Bales Ginned and Produced	82
All Cotton and Cottonseed	29&32	Pesticide Use	83
Upland Cotton and Cottonseed Prices	33	Chemical Applications on Lettuce	84
Durum Wheat	34-35	Weather	
Other Wheat	34&36	Summary	85
All Wheat	34&37	Temperatures	86
Barley	38&39	Precipitation	87
Corn	38&40	Freeze Dates	88
Corn for Silage	38	Land Ownership	
		Land Ownership and Administration	89
		International Trade	
		Summary	90
		Agricultural Exports	90
		Commodities Rank by States	91-92
		State Statistical Offices	93

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	1993	1994	1995	1996	1997
-----1,000 Dollars-----					
Cotton lint, all	253,591	308,085	265,130	298,344	260,379
Cottonseed	33,356	34,359	32,835	40,566	33,855
Hay	50,959	63,545	51,742	57,538	66,826
Wheat	28,156	45,363	47,686	81,173	30,638
Barley	4,607	5,276	3,806	15,987	13,341
Corn	4,460	4,728	8,160	15,041	18,981
Potatoes	11,963	12,003	13,127	24,684	10,003
Head lettuce	192,485	149,514	370,264	219,175	201,712
Leaf lettuce	43,659	20,539	70,704	51,876	49,706
Romaine lettuce	24,404	15,004	48,051	34,632	51,168
Onions	10,342	5,308	5,332	6,505	9,403
Cauliflower	20,930	22,984	28,920	25,410	25,896
Broccoli	21,503	21,817	36,232	24,672	43,578
Carrots	2,689	3,604	9,205	7,925	8,459
Honeydews	6,912	8,247	13,882	11,111	13,598
Cantaloups	48,838	43,877	61,104	84,677	100,378
Watermelons	14,930	11,805	20,520	15,444	18,065
Misc. vegetables	25,735	45,563	41,496	56,257	69,984
Grapefruit	6,532	4,836	7,701	4,354	2,392
Oranges	13,273	8,216	7,565	7,568	5,268
Lemons	49,895	37,660	39,035	31,686	26,188
Tangerines	11,367	11,837	8,452	10,992	7,424
Apples	3,654	4,621	782	12,432	4,724
Grapes	18,066	24,430	23,314	20,063	13,551
Peanuts	925	750	499	528	425
Misc. fruits & nuts	6,901	5,303	5,997	7,859	12,066
All other crops	101,711	109,522	107,789	126,011	135,271
Crops	1,032,613	1,049,720	1,346,775	1,305,852	1,257,033
Cattle and calves	591,201	446,060	433,953	384,228	434,572
Hogs	22,591	22,140	29,329	35,139	45,659
Sheep and lambs	10,516	11,280	7,013	8,376	10,092
Dairy products	244,970	278,506	284,288	357,135	344,760
Eggs	3,952	3,602	4,104	4,182	3,422
Honey	2,202	1,414	2,670	1,632	1,843
Other livestock	42,487	40,908	48,337	48,509	47,705
Livestock and products	918,321	804,343	810,226	839,517	888,412
All commodities	1,950,934	1,854,063	2,157,001	2,145,369	2,145,445
Gov't Payments	113,878	72,125	9,456	57,283	46,667
Total Cash	2,064,812	1,926,188	2,166,457	2,202,652	2,192,112

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	-----1996-----			-----1997-----		
	Crops	Livestock	All	Crops	Livestock	All
	-----1,000 Dollars-----					
Apache	1,167	27,602	28,769	752	28,335	29,087
Cochise	40,765	46,099	86,864	48,328	52,802	101,130
Coconino	2,329	31,302	33,631	1,743	32,893	34,636
Gila	1,277	11,772	13,049	817	11,595	12,412
Graham	25,668	15,917	41,585	24,128	15,906	40,034
Greenlee	4,212	8,801	13,013	3,864	8,511	12,375
La Paz	59,344	2,698	62,042	58,827	2,894	61,721
Maricopa	418,489	374,914	793,403	405,466	366,909	772,375
Mohave	11,565	11,571	23,136	10,950	19,389	30,338
Navajo	1,755	52,911	54,666	1,766	65,682	67,448
Pima	25,713	32,266	57,979	22,814	30,135	52,949
Pinal	208,958	115,404	324,362	177,000	124,976	301,976
Santa Cruz	1,519	9,741	11,260	1,156	11,026	12,182
Yavapai	3,566	39,269	42,835	2,701	47,007	49,708
Yuma	499,527	59,252	558,779	496,722	70,351	567,073
Arizona 1/	1,305,852	839,517	2,145,369	1,257,033	888,412	2,145,445

1/ Total may not add due to rounding.

Farm Income Indicators

Item	1993	1994	1995	1996	1997
	-----1,000 Dollars-----				
Final crop output	1,031,634	1,017,558	1,426,762	1,319,658	1,302,785
Food grains	28,156	45,363	47,686	81,173	30,638
Feed crops	74,526	87,959	78,044	112,581	120,152
Cotton	286,947	342,444	297,965	338,910	294,234
Oil crops	5,952	7,033	4,402	4,197	4,432
Fruits and tree nuts	130,963	119,103	112,996	105,494	93,488
Vegetables	426,010	361,539	718,881	568,038	607,134
All other crops	80,059	86,279	86,801	95,459	106,955
Home consumption	244	257	373	327	284
Value of inventory adjustment 1/	(1,223)	(32,419)	79,614	13,479	45,468
Final animal output	912,657	794,492	805,250	816,394	897,480
Meat animals	624,308	479,480	470,295	427,743	490,323
Dairy products	244,970	278,506	284,288	357,135	344,760
Poultry and eggs	3,952	3,602	4,104	4,182	3,422
Miscellaneous livestock	45,091	42,755	51,539	50,457	49,907
Home consumption	4,097	4,905	5,067	3,552	3,860
Value of inventory adjustment 1/	(9,761)	(14,756)	(10,043)	(26,675)	5,208
Services and forestry	120,199	125,854	142,220	162,051	159,229
Machine hire and custom work	16,995	18,197	17,703	17,166	19,932
Forest products sold	8,900	11,651	7,143	9,072	8,849
Other farm income	39,002	33,443	41,256	58,135	47,772
Gross imputed rental value of farm dwellings	55,302	62,563	76,118	77,678	82,676
Final agricultural sector output 2/	2,064,490	1,937,904	2,374,232	2,298,103	2,359,494
Less: Intermediate consumption outlays	995,520	1,053,754	1,122,709	1,138,521	1,248,211
Farm origin	412,873	385,347	406,871	400,754	469,585
Feed purchased	140,074	168,994	214,751	239,254	266,981
Livestock and poultry purchased	245,213	183,994	161,177	127,422	165,189
Seed purchased	27,586	32,359	30,943	34,078	37,415
Manufactured inputs	180,426	217,452	228,554	255,790	255,430
Fertilizers and lime	48,153	62,438	66,318	73,092	77,114
Pesticides	66,985	78,316	82,362	89,884	97,597
Petroleum fuel and oils	37,384	41,498	41,529	48,290	50,389
Electricity	27,904	35,200	38,345	44,524	30,330
Other intermediate expenses	402,221	450,955	487,284	481,977	523,196
Repair and maintenance of capital items	50,714	57,210	54,943	62,335	59,786
Machine hire and custom work	97,811	100,283	115,351	97,512	96,612
Marketing, storage, and transportation expenses	52,919	56,182	64,811	58,197	77,359
Contract labor	36,782	33,666	50,171	60,606	66,392
Miscellaneous expenses	163,995	203,614	202,008	203,327	223,047
Plus: Net government transactions	82,657	36,146	(28,823)	17,745	6,244
+ Direct Government payments	113,878	72,125	9,456	57,283	46,667
- Motor vehicle registration and licensing fees	2,208	2,892	2,382	2,635	2,698
- Property taxes	29,013	33,087	35,897	36,903	37,725
Gross value added	1,151,627	920,296	1,222,700	1,177,327	1,117,527
Less: Capital consumption	78,354	80,803	85,500	89,719	90,531
Net value added	1,073,273	839,493	1,137,200	1,087,608	1,026,996
Less: Factor payments	298,167	366,136	386,395	386,144	417,383
Employee compensation (total hired labor)	177,840	232,712	243,613	243,439	266,777
Net rent received by non-operator landlords	27,321	33,014	35,581	43,180	48,703
Real estate and non-real estate interest	93,006	100,410	107,201	99,525	101,903
Net farm income	775,106	473,357	750,805	701,464	609,613

1/ 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.

2/ 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.

Government Payments 1/

Type of Payment	1993	1994	1995	1996	1997
-----1,000 Dollars-----					
Conservation 2/	1,662	2,997	1,783	1,422	787
Feed Grain	2,988	1,827	1,914	17	(140)
Wheat	5,263	4,932	2,100	(1,166)	(59)
Cotton	82,204	54,472	2,131	(7,082)	(933)
Wool Act	1,897	1,701	771	523	(7)
Miscellaneous 3/	19,864	6,196	757	63,569	47,019
Total	113,878	72,125	9,456	57,283	46,667

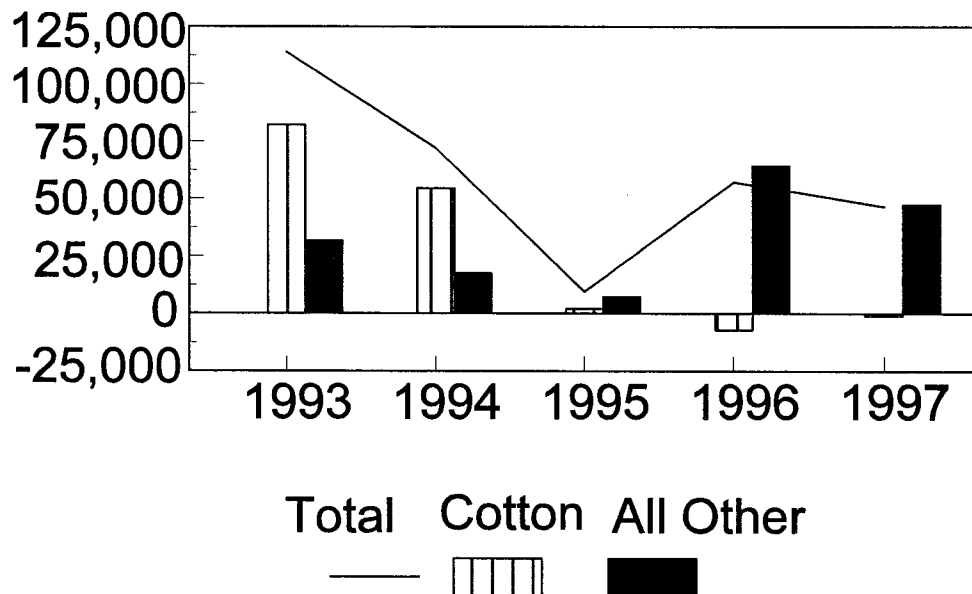
1/ Includes both cash payments and payment-in-kind (PIK).

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

3/ Deficiency payments under Government price support programs were paid in two parts, Fall and Spring. At the time of the first payment in the Fall, the extent of the Government's obligation to a particular farmer was not precisely known. Thus the first payment was based on a projection and the second payment was the difference between the amount subsequently determined to be owed to the farmer and the first payment. Occasionally, when market prices were higher than projected, the amount determined to be owed some farmers was less than the first payment, in which case the Government was due a refund from the farmer. For the 1995-96 crop year, market prices were favorable to farmers, resulting in some farmers owing refunds to the Government. Because deficiency payment programs ended with the 1995-96 crop-year, there were no payments in the Fall to offset the refunds in the Spring, thus the negative payments. Payments under The Federal Agricultural Improvement and Reform (FAIR) Act of 1996 (commonly called the 1996 Farm Bill) are not commodity specific and are incorporated under the miscellaneous category. Other programs included in the miscellaneous category are Rural Clean Water, Forestry Incentive Annual, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation, Milk Marketing Fee, Options Pilot, Emergency Feed, Rice Marketing, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Non-insured Assistance, Interest on NAP, Karnal Bunt Fungus, Production Flexibility, Disaster Reserve, and Environment Quality Incentives.

Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

Government Payments 1993 - 1997



Balance Sheet of the Farming Sector 1/

Item	1993	1994	1995	1996	1997
	-----Number-----				
Farms	7,400	7,400	7,400	7,500	7,500
	-----1,000 Dollars-----				
Farm assets	12,167.4	12,860.5	14,560.3	15,282.7	16,102.9
Real estate	10,947.2	11,618.2	13,359.2	14,062.4	14,732.0
Livestock and poultry 2/	557.1	533.2	477.1	485.7	554.0
Machinery and motor vehicles 3/	378.2	386.5	389.5	398.6	395.8
Crops 4/	30.3	44.3	66.3	44.7	85.0
Purchased inputs	35.8	46.8	30.6	38.7	45.3
Financial	218.7	231.4	237.5	252.8	290.8
Farm debt 5/	1,211.8	1,241.1	1,208.6	1,257.4	1,346.7
Real estate	493.5	471.0	483.7	478.2	520.4
Farm Credit System	89.8	80.5	88.8	109.4	140.6
Farm Service Agency 6/	44.7	47.6	38.2	34.4	32.1
Commercial banks	34.7	40.2	58.8	49.0	53.2
Life insurance companies	185.9	157.4	148.5	132.2	137.5
Individuals and others	138.4	145.4	149.3	153.2	157.1
Non-real estate	718.3	770.1	725.0	779.2	826.3
Farm Credit System	99.0	104.1	130.0	139.7	144.0
Farm Service Agency 6/	89.4	86.1	67.1	46.7	39.4
Commercial banks	354.0	391.7	327.7	376.8	409.9
Individuals and others	176.0	188.1	200.3	216.0	233.0
Equity	10,955.6	11,619.4	13,351.6	14,025.3	14,756.2
	-----Percent-----				
Ratio:					
Debt/equity	11.1	10.7	9.1	9.0	9.1
Debt/assets	10.0	9.7	8.3	8.2	8.4

1/ Data as of December 31, 1993-97.

2/ Excludes horses, mules, and broilers.

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

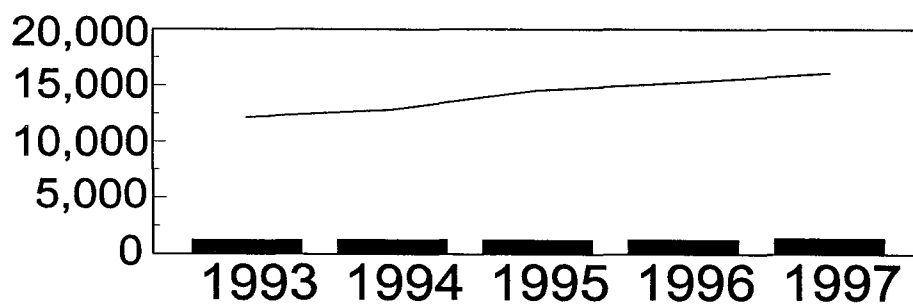
4/ All non-CCC crops held on farms plus the value above loan rate for crops held under CCC.

5/ Excludes debt for non-farm purposes.

6/ Farmers Home Administration prior to 1994.

Farm Business Balance Sheet Assets and Debt

December 31, 1993 - December 31, 1997



Farm Assets

Farm Debt

Farm Numbers and Land in Farms

Year	Number of Farms in Operation	Land in Farms 1/ Average Farm Size 1/	Year	Number of Farms in Operation	Land in Farms 1/ Average Farm Size 1/
----- (000) Acres -----			----- (000) Acres -----		
1910	9,200		1955	9,700	44,600
1911	9,300		1956	9,400	45,000
1912	9,400		1957	9,100	45,000
1913	9,500		1958	8,800	45,000
1914	9,500		1959	8,500	44,800
1915	9,600		1960	8,200	44,600
1916	9,600		1961	7,900	44,400
1917	9,700		1962	7,600	44,200
1918	9,800		1963	7,300	44,000
1919	9,800		1964	7,000	43,800
1920	10,000		1965	6,800	43,700
1921	10,000		1966	6,700	43,100
1922	10,200		1967	6,600	42,500
1923	10,500		1968	6,500	41,900
1924	10,600		1969	6,400	41,300
1925	10,800		1970	6,300	41,300
1926	11,500		1971	6,200	41,200
1927	12,200		1972	6,200	41,200
1928	13,000		1973	6,300	41,100
1929	13,600		1974	6,500	41,100
1930	14,200		1975	6,300	40,000
1931	14,200		1976	6,400	39,800
1932	14,200		1977	6,600	39,200
1933	14,300		1978	6,700	39,100
1934	14,300		1979	7,100	38,500
1935	14,300		1980	7,500	38,100
1936	14,200		1981	7,800	37,800
1937	14,100		1982	8,000	37,500
1938	14,000		1983	8,200	37,500
1939	13,800		1984	8,300	37,500
1940	13,700		1985	8,500	37,500
1941	13,600		1986	8,600	37,200
1942	13,500		1987	8,400	37,000
1943	13,500		1988	8,100	36,500
1944	13,500		1989	8,000	36,000
1945	13,500		1990	7,800	36,200
1946	13,200		1991	7,600	35,800
1947	12,900		1992	7,500	35,600
1948	12,500		1993	7,800	28,300
1949	12,000		1994	7,800	28,300
1950	11,400	42,500	1995	7,800	28,300
1951	11,000	42,800	1996	7,900	28,300
1952	10,700	43,200	1997	7,900	28,300
1953	10,300	43,600	1998	7,900	28,300
1954	10,000	44,200			

1/ Not available before 1950.

County	Number of Farms in Operation				Land in Farms			
	1982	1987	1992	1997	1982	1987	1992	1997
	-----Number-----				----- (000) 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/ -----1997-----	Value 2/ -----1997-----	Inventory 1/ -----1998-----	Value 2/ -----1998-----	Inventory 1/ -----1999-----	Value 2/ -----1999-----
	1,000 Head	1,000 Dollars	1,000 Head	1,000 Dollars	1,000 Head	1,000 Dollars
Cattle and calves 3/	810	469,800	820	541,200	810	518,400
Beef cows that have calved	218		220		218	
Milk cows that have calved	122		130		132	
Beef cow replacement heifers	34		38		40	
Milk cow replacement heifers	21		26		23	
Other heifers 500 pounds and over	30		26		34	
Steers 500 pounds and over	245		250		210	
Bulls 500 pounds and over	20		20		22	
Calves under 500 pounds	120		110		131	
Cattle on feed 4/	233		245		206	
Hogs 5/	150	15,000	145	12,760	115	5,635
Breeding hogs	20		15		17	
Market hogs	130		130		98	
Under 60 pounds	65		42		42	
60-119 pounds	24		33		21	
120-179 pounds	21		28		17	
180 pounds and over	20		27		18	
Sheep and Lambs 3/	150	15,000	140	15,400	140	12,460
Breeding sheep and lambs	75		73		68	
Ewes one year old and older	65		63		58	
Rams one year old and older	2		2		3	
Replacement lambs under one year old	8		8		7	
Market sheep and lambs	75		67		72	
Market lambs	73		66		71	
Under 65 pounds	14		16		14	
65-84 pounds	4		11		15	
85-104 pounds	45		36		13	
105 pounds and over	10		3		29	
Market sheep	2		1		1	
Goats 3/						
Angora goats	40	1,400	40	1,200	38	1,520

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.

Livestock: Record Highs and Lows

	Date Series Began	Record	Unit	Quantity	Year 1/
<u>Cattle:</u>					
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		218	1999
Milk cows January 1	1870	High	1,000 Head	132	1999
		Low		1	1870
Cattle on feed January 1	1930	High	1,000 Head	655	1973
		Low		23	1930
<u>Hogs:</u>					
Inventory December 1	1870	High	1,000 Head	175	1985
		Low		1	1871
<u>Sheep:</u>					
Inventory January 1	1867	High	1,000 Head	1,420	1917
		Low		12	1867
Lamb crop	1924	High	1,000 Head	645	1926
		Low		47	1999
Marketings	1955	High	1,000 Head	393	1966
		Low		105	1996
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
<u>Milk:</u>					
Milk production	1924	High	Million Lbs	2,680	1999
		Low		157	1925
Milk production	1924	High	Lbs per cow	20,976	1997
		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, 1999, was estimated at 810,000 head and valued at \$518.4 million, down 10,000 head, and down \$22.8 million from January 1, 1998. The 1998 calf crop of 285,000 was unchanged from the 1997 calf crop.

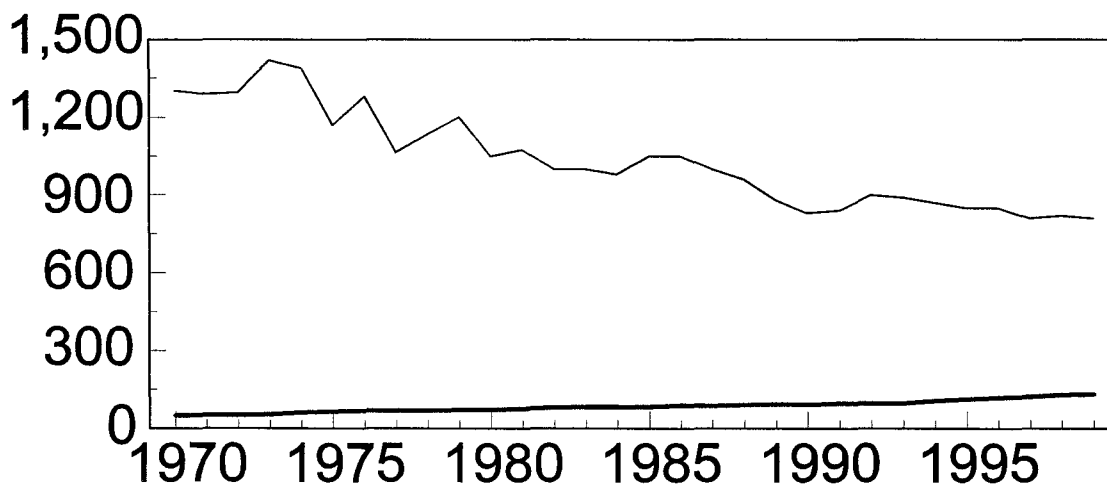
Monthly beef cattle prices varied by \$7.70 per hundredweight during 1998 from a low of \$57.40 in September to a high of \$65.10 in June. The marketing year average price for beef cattle decreased \$1.30 per hundredweight to \$60.80. The annual average steer and heifer price decreased \$3.50 to \$61.70 per hundredweight and the annual average calf price decreased \$1.40 to \$82.00 per hundredweight. The annual average price for cows decreased \$4.40 per hundredweight to \$32.10.

Cattle and calf marketings were up 5 percent to 736 million pounds and the gross income from these marketings increased 3 percent to \$457 million.

Arizona's feedlot operators marketed 292,000 head during 1998. Feedlot inventories ranged from 196,000 head on August 1 to 245,000 head on January 1.

Arizona's 15 livestock slaughtering establishments produced 328.9 million pounds of red meat during 1998, up 2 percent from the 1997 slaughter. Commercial cattle slaughter totaled 463,000 head, down 2 percent from 1997.

Arizona Cattle Inventory January 1, 1970 - January 1, 1999



All Cattle Milk Cows

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

	-----January 1-----				
	1995	1996	1997	1998	1999
Arizona:					
Operations (Number)	3,500	3,400	3,300	3,200	2/
Head (Thousand)	850.0	850.0	810.0	820.0	810.0
United States:					
Operations (Number)	1,190,630	1,176,700	1,148,050	1,115,650	2/
Head (Thousand)	102,785.2	103,548.2	101,655.7	99,744.0	98,521.5

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 2000.

All Cattle and Calves: Number on Farms and Value

	-----January 1-----				
	1995	1996	1997	1998	1999
All cattle and calves (1,000 Head)	850	850	810	820	810
Cows that have calved: (1,000 Head)					
Beef cows	243	232	218	220	218
Milk cows	112	118	122	130	132
Heifers 500 pounds and over: (1,000 Head)					
Beef cow replacement	40	43	34	38	40
Milk cow replacement	21	22	21	26	23
Other heifers	25	22	30	26	34
Steers 500 pounds and over (1,000 Head)	235	240	245	250	210
Bulls 500 pounds and over (1,000 Head)	24	24	20	20	22
Calves under 500 pounds (1,000 Head)	150	149	120	110	131
Value of all cattle and calves:					
Per head (Dollars)	600	540	580	660	640
Total (1,000 Dollars)	510,000	459,000	469,800	541,200	518,400

All Cattle and Calves: Inventory, Supply, and Disposition

	1994	1995	1996	1997	1998	1999
Inventory January 1	870	850	850	810	820	810
Calf crop	300	295	285	285	285	3/
In-shippments	430	450	442	527	517	3/
Marketings: 1/						
Cattle	550	580	585	601	637	3/
Calves	137	102	119	139	134	3/
Farm slaughter 2/	3	3	3	2	1	3/
Deaths:						
Cattle	30	30	30	30	20	3/
Calves	30	30	30	30	20	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 2000.

All Cattle and Calves: Production and Income

	1994	1995	1996	1997	1998
Production (1,000 Lbs) 1/	459,546	498,121	450,478	467,026	477,277
Marketings (1,000 Lbs) 2/	666,840	704,820	674,340	697,540	735,740
Average price per 100 Lbs: (Dollars)					
Cattle	65.20	60.40	56.90	62.10	60.80
Calves	88.90	74.20	58.50	83.40	82.00
Value of production (1,000 Dollars)	261,740	276,468	253,363	291,320	299,122
Cash receipts (1,000 Dollars) 3/	446,061	430,450	384,228	441,403	455,225
Value of home consumption (1,000 Dollars)	2,994	2,714	2,492	2,413	2,030
Gross income (1,000 Dollars)	449,054	433,164	386,720	443,816	457,255

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of in-shippments, 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 and Calves: Number on Farms by County 1/

County	-----January 1, 1998-----				----- January 1, 1999-----			
	All Cattle	Beef Cows	Milk Cows	Cattle on Feed	All Cattle	Beef Cows	Milk Cows	Cattle on Feed
	-----1,000 Head-----							
Apache	34	16			32	15		
Cochise	70	34			70	30		
Coconino	47	25			45	21		
Gila	19	10			18	10		
Graham	25	13			27	16		
Greenlee	11	6			12	6		
La Paz	3	1			3	1		
Maricopa	170	11	112	6	170	9	112	4
Mohave	27	17			25	13		
Navajo	30	15			30	15		
Pima	39	19			45	21		
Pinal	174	12	11	151	174	21	12	119
Santa Cruz	15	8			12	7		
Yavapai	66	32			63	32		
Yuma	90	1		88	84	1		83
Arizona	820	220	130	245	810	218	132	206

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

Cattle on Feed: Inventory

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

Cattle on Feed: Number of Feedlots and Marketings

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

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

	1994	1995	1996	1997	1998
	-----Dollars per cwt-----				
<u>All Beef Cattle: 1/</u>					
January	67.30	66.10	55.50	60.00	62.80
February	69.00	68.30	55.30	61.10	59.20
March	70.60	64.50	54.40	63.90	60.40
April	68.40	62.30	52.80	63.80	62.60
May	65.30	59.50	53.30	64.30	65.00
June	62.00	60.20	53.80	61.00	65.10
July	63.80	58.80	57.80	62.20	58.80
August	66.00	58.20	61.50	62.90	58.20
September	62.60	58.40	60.80	61.00	57.40
October	59.70	57.50	60.50	61.30	59.30
November	63.20	58.40	59.70	62.00	61.00
December	64.30	56.90	59.90	61.40	58.90
Marketing year average	65.20	60.40	56.90	62.10	60.80
<u>Steers and Heifers:</u>					
January	71.50	71.00	59.50	64.00	64.30
February	72.50	72.50	58.50	64.50	60.80
March	74.00	68.00	57.50	67.00	62.00
April	72.00	66.00	56.00	67.00	64.30
May	68.00	62.00	56.00	67.00	65.80
June	64.00	62.50	56.00	63.20	66.00
July	66.00	61.00	60.00	63.90	59.30
August	68.00	60.00	64.00	64.80	58.60
September	65.50	61.50	66.00	64.00	57.90
October	65.50	62.00	66.00	66.20	59.90
November	67.50	63.00	65.00	67.00	61.70
December	68.50	60.00	64.00	64.60	59.50
Marketing year average	68.70	63.70	60.50	65.20	61.70
<u>Calves:</u>					
January	92.00	88.00	58.00	67.00	91.20
February	94.00	87.00	59.00	73.00	93.20
March	95.50	85.00	58.50	82.00	95.30
April	94.00	81.00	54.00	82.00	92.50
May	89.00	76.00	51.00	84.00	88.50
June	84.50	75.00	54.50	84.00	75.50
July	86.00	73.00	63.00	88.80	75.50
August	88.00	71.00	63.00	92.10	78.10
September	85.00	69.00	61.50	92.00	72.60
October	81.00	67.00	60.00	85.80	72.30
November	83.00	64.00	60.50	83.80	74.40
December	83.00	61.00	59.50	87.20	72.50
Marketing year average	88.90	74.20	58.50	83.40	82.00
<u>Cows:</u>					
January	41.50	36.00	33.00	31.00	43.00
February	43.00	37.50	32.00	36.00	37.60
March	43.00	36.00	31.50	39.00	42.10
April	42.00	35.00	29.50	40.50	39.40
May	40.50	34.00	29.00	40.20	38.40
June	39.00	34.00	29.00	38.70	34.50
July	38.50	33.50	32.00	42.70	34.50
August	40.00	33.70	32.50	41.00	36.50
September	39.00	33.00	31.00	39.00	34.20
October	36.50	32.00	29.00	33.50	29.50
November	36.50	30.00	27.00	31.00	26.90
December	36.00	31.50	27.00	35.90	30.50
Marketing year average	39.20	33.80	30.60	36.50	32.10

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	1995	1996	1997	1998	1999
Grazing Rates on Private Land (Dollars) 1/	3.65	10.30	11.00	10.70	11.30	11.80
Forage Value Index (FVI) 2/	100	282	301	293	310	323
Average Price Received for Beef Cattle per Cwt (Dollars) 3/	22.04	67.07	61.15	55.49	61.90	60.01
Beef Cattle Price Index (BCPI) 4/	100	304	277	252	278	272
Prices Paid Index (PPI) 5/	100	455	473	499	512	514
Federal Grazing Fee (Dollars) 6/	(1.23)	1.61	1.35	1.35	1.35	1.35
State Grazing Fee (Dollars)	(0.95)	1.53	2.18	2.09	2.04	1.96

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. 1999 for example = \$1.23 (323 + 272 - 514)/100 = \$.996 (federal), per Executive Order, \$1.35 is the legal minimum.

Dairy

The average number of milk cows maintained by Arizona's dairy operations in 1998 increased 4,000 head from a year ago to 131,000 head. As of January 1, 1999, the number of milk cows totaled 132,000, up 2,000 head from January 1, 1998. Milk production per cow during 1998 was 20,458 pounds, down 2.5 percent from last year.

Milk production totaled 2.68 billion pounds in 1998, an increase of less than 1 percent from 1997. Value of milk produced increased to \$391.3 million dollars, a 13 percent increase from 1997 value. The average returns per 100 pounds of milk in 1998 was \$14.60, up \$1.60 from 1997.

Milk Cows: Monthly and Annual Average Inventory

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

Milk: Monthly and Annual Average Produced per Cow

	1994	1995	1996	1997	1998
	-----Lbs-----				
January	1,725	1,715	1,790	1,965	1,800
February	1,625	1,650	1,770	1,855	1,660
March	1,850	1,900	1,975	2,095	1,885
April	1,795	1,820	1,910	1,985	1,885
May	1,815	1,830	1,900	1,920	1,945
June	1,610	1,680	1,685	1,760	1,780
July	1,490	1,555	1,445	1,655	1,530
August	1,390	1,400	1,445	1,460	1,410
September	1,410	1,390	1,475	1,395	1,440
October	1,580	1,570	1,625	1,555	1,650
November	1,575	1,555	1,690	1,600	1,675
December	1,670	1,685	1,850	1,710	1,795
Annual average	19,578	19,735	20,446	20,976	20,458

Milk: Monthly and Annual Average Production

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

Milk Production: Marketings and Income

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

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/

	1994	1995	1996	1997	1998
	-----Number-----				
1-99	240	190	170	140	140
100-199	10	10	10	10	10
200 and over	100	100	100	100	100
Total	350	300	280	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

	1994	1995	1996	1997	1998
Milk cows (1,000 head) 1/	109	113	121	127	131
<u>Production per milk cow: (Lbs)</u>					
Milk	19,578	19,735	20,446	20,976	20,458
Milkfat	705	714	734	747	730
Milkfat in all milk produced (Percent)	3.60	3.62	3.59	3.56	3.57
<u>Total production: (Million Lbs)</u>					
Milk	2,134	2,230	2,474	2,664	2,680
Milkfat	76.8	80.7	88.8	94.8	95.7
Value of milk produced (1,000 Dollars) 2/	279,554	285,440	358,730	346,320	391,280

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, 1999, Arizona's Angora goat inventory was 38,000 head, down 2,000 from last year. At \$40 per head, the total value of Angora goats was estimated at 1.52 million dollars. 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 decreased \$.45 from 1997 to \$1.25 per pound. Mohair production was estimated at 162,000 pounds for a total value of \$203,000.

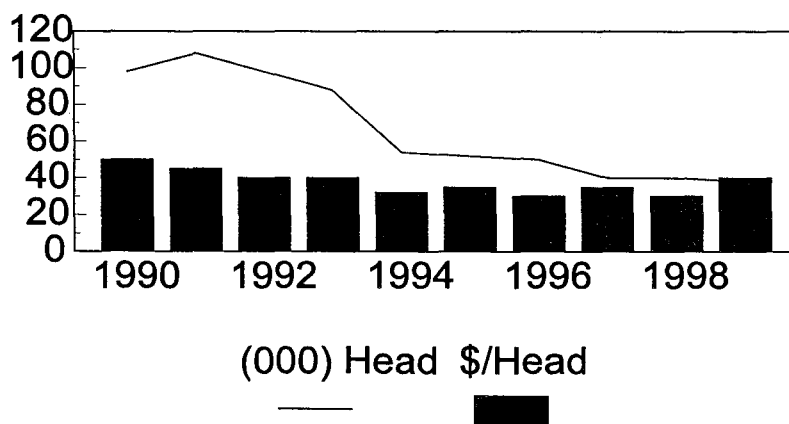
Angora Goats: Number on Farms and Value

	-----January 1-----				
	1995	1996	1997	1998	1999
Goats (1,000 Head)	52	50	40	40	38
Farm Value:					
Per Head (Dollars)	35.00	30.00	35.00	30.00	40.00
Total (1,000 Dollars)	1,820	1,500	1,400	1,200	1,520

Mohair Production and Value

	1994	1995	1996	1997	1998
Goats Clipped (1,000 Head)	49	40	38	38	36
Weight per Clip (Pounds)	4.1	4.5	4.2	4.2	4.5
Mohair Production (1,000 Lbs)	200	180	160	160	162
Average Price per Pound (Cents)	74	152	147	170	125
Value of Production (1,000 Dollars)	148	274	235	272	203

Angora Goats Inventory and Value January 1, 1990 - January 1, 1999



Sheep, Lambs, and Wool

Arizona's sheep and lamb inventory on January 1, 1999, was estimated at 140,000 head, unchanged from a year ago. Breeding sheep and lamb inventory, at 68,000 head, decreased 5,000 head from January 1, 1998. Market sheep and lambs inventory, at 72,000 head, increased by 5,000 head from the previous year.

Sheep and lamb marketings were estimated at just under

8.5 million pounds. Average prices received by sheep operators in 1998 per hundredweight were \$36.00 for sheep, down \$9.00 from 1997, and \$75.00 for lambs, down \$17.00 from 1997. Cash receipts totaled 5.8 million dollars.

Average wool prices dropped 11 cents to 47 cents per pound. Wool production was valued at 367,000 dollars, down 18 percent from the previous year.

Sheep: Number of Operations and Inventory 1/

	-----January 1-----				
	1995	1996	1997	1998	1999
Arizona:					
Operations (Number)	400	350	350	300	2/
Head (Thousand)	170.0	160.0	150.0	140.0	140.0
United States:					
Operations (Number)	79,900	76,600	72,680	68,810	2/
Head (Thousand)	8,989.3	8,464.6	8,023.7	7,825.1	7,237.5

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

2/ Not available until January 2000.

Sheep: By Class, Farm Value, and Lamb Crop

	-----January 1-----				
	1995	1996	1997	1998	1999
Breeding sheep and lambs:					
Ewes	84.0	79.0	65.0	63.0	58.0
Rams	3.0	2.0	2.0	2.0	3.0
Replacement lambs	10.0	9.0	8.0	8.0	7.0
Market sheep and lambs	73.0	70.0	75.0	67.0	72.0
All sheep and lambs	170.0	160.0	150.0	140.0	140.0
Farm Value:					
Per head (Dollars)	86.00	96.00	100.00	110.00	89.00
Total (1,000 Dollars)	14,620	15,360	15,000	15,400	12,460
Lamb crop (1,000 Head)	59.0	55.0	48.0	47.0	1/

1/ Not available until January 2000.

Sheep and Lambs: Inventory, Supply, and Disposition

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

Sheep and Lambs: Number on Farms by County

County	-----January 1, 1998-----			----- January 1, 1999-----		
	Breeding sheep and lambs	Market sheep and lambs 1/	All sheep and lambs	Breeding sheep and lambs	Market sheep and lambs 1/	All sheep and lambs
	-----Head-----					
Apache 2/	37,000	6,000	43,000	36,000	21,000	57,000
Cochise	3,000	2,000	5,000	3,000		3,000
Coconino	5,000		5,000	7,000		7,000
Gila						
Graham						
Greenlee	2,000		2,000			
La Paz						
Maricopa	14,000	18,000	32,000	8,000	14,000	22,000
Mohave						
Navajo	2,000	1,000	3,000	1,000	2,000	3,000
Pima						
Pinal	10,000	4,000	14,000	13,000		13,000
Santa Cruz						
Yavapai						
Yuma		36,000	36,000		35,000	35,000
Arizona	73,000	67,000	140,000	68,000	72,000	140,000

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

2/ All Navajo Reservation sheep are recorded in Apache County.

Sheep and Lambs: Production and Income

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

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

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

1/ Includes fed sheep shorn.

2/ Equivalent to cash receipts from farm marketings.

Hogs and Pigs

On December 1, 1998, Arizona's 250 hog producers had a total inventory of 115,000 head, down 21 percent from the previous year. Hogs for breeding increased to 17,000 head, up 2,000 head from December 1, 1997, and market hogs were down 32,000 head to 98,000. The market value of Arizona's hog inventory was \$5.6 million, down 56 percent from 1997.

Thirty thousand sows farrowed during 1998, down 6,000 sows

from the previous year. Pigs per litter totaled 8.50. The total pig crop was 255,000 head, a 17 percent decrease from last year.

Marketings totaled 330,000 head in 1998, a decrease of 10 percent from 1997. The gross income of the industry totaled \$23.1 million, 50 percent less than in 1997.

Hogs and Pigs: Number of Operations and Inventory 1/

	-----December 1-----				
	1994	1995	1996	1997	1998
Arizona:					
Operations (Number)	350	310	280	250	250
Head (Thousand)	170.0	125.0	150.0	145.0	115.0
United States:					
Operations (Number)	196,030	168,450	142,380	122,160	114,380
Head (Thousand)	59,738.0	58,201.0	56,124.0	61,158.0	62,156.0

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-----				
	1994	1995	1996	1997	1998
Breeding (1,000 Head)	18	15	20	15	17
Market (1,000 Head)	152	110	130	130	98
Market hogs and pigs by weight groups:					
Under 60 Lbs	50	46	65	42	42
60-119 Lbs	36	24	24	33	21
120-179 Lbs	35	21	21	28	17
180 Lbs and over	31	19	20	27	18
All hogs (1,000 Head)	170	125	150	145	115
Value:					
Per head (Dollars)	61.00	80.00	100.00	88.00	49.00
Total (1,000 Dollars)	10,370	10,000	15,000	12,760	5,635

Hogs and Pigs: Inventory, Supply, and Disposition

	1994	1995	1996	1997	1998	1999
	-----1,000 Head-----					
Inventory December 1 1/	140	170	125	150	145	115
Pig crop	299	274	296	307	255	
In-shipments	9	14	21	86	86	
Marketings 2/	247	302	266	367	330	
Farm slaughter 3/	1	1	1	1	1	
Deaths	30	30	25	30	40	

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/

	1994	1995	1996	1997	1998
<u>Arizona total:</u>					
Sows farrowed (1,000 Head)	38	33	35	36	30
Pigs per litter (Number)	7.87	8.30	8.46	8.53	8.50
Pig crop (1,000 Head)	299	274	296	307	255
<u>United States total:</u>					
Sows farrowed (1,000 Head)	12,396	11,888	11,113	11,479	12,058
Pigs per litter (Number)	8.19	8.31	8.50	8.68	8.71
Pig crop (1,000 Head)	101,478	98,816	94,459	99,584	104,981

1/ December 1 previous year through November current year.

Hogs and Pigs: Production and Income

	1994	1995	1996	1997	1998
Production (1,000 Lbs) 1/	64,607	65,036	69,438	87,296	70,190
Marketings (1,000 Lbs) 2/	59,040	72,240	67,575	91,500	78,960
Average price per cwt (Dollars)	37.50	40.60	52.00	49.90	29.10
Value of production (1,000 Dollars)	23,883	25,907	35,176	41,156	20,035
Cash receipts (1,000 Dollars) 3/	22,140	29,329	35,139	45,659	22,977
Value of home consumption (1,000 Dollars)	194	212	268	249	139
Gross income (1,000 Dollars)	22,334	29,541	35,407	45,908	23,116

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

County	December 1, 1997	December 1, 1998
	Hogs and pigs	Hogs and pigs
	-----1,000 Head-----	
Navajo	132	105
Other counties	13	10
Arizona	145	115

Meat Production

Livestock Slaughtering Establishments

	January 1-----				
	1995	1996	1997	1998	1999
	-----Number-----				
Under Federal Inspection	3	3	3	4	4
Other 1/	23	23	22	21	11
Total	26	26	25	25	15

1/ Includes state inspected and custom-exempt plants.

Red Meat Production 1/

	1994	1995	1996	1997	1998
	-----1,000 Lbs-----				
January	20,678	21,482	27,600	29,000	24,700
February	19,844	21,171	27,900	23,900	23,000
March	22,361	24,002	27,400	25,800	26,400
April	21,571	22,806	28,700	28,300	26,300
May	22,386	28,820	30,800	28,600	28,400
June	25,400	28,730	30,600	29,000	30,600
July	22,984	28,620	29,800	29,500	29,000
August	26,182	30,633	26,400	27,100	26,600
September	23,548	28,704	25,100	25,300	27,900
October	23,876	27,568	26,900	25,800	28,400
November	21,598	25,731	27,100	23,000	27,200
December	21,149	24,275	27,600	26,400	30,300
Total 2/	271,576	312,542	335,900	321,700	328,900

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

2/ Numbers may not add due to rounding.

Commercial Cattle Slaughter

	1994	1995	1996	1997	1998
	-----Number-----				
January	30,300	31,700	40,100	43,000	36,000
February	29,500	31,000	40,800	35,200	33,600
March	33,200	34,700	40,400	37,700	38,200
April	32,100	32,400	42,000	40,700	37,600
May	32,900	40,800	44,400	41,100	39,800
June	36,800	40,000	44,300	42,200	42,700
July	33,500	40,100	43,800	42,700	40,300
August	38,100	43,700	39,900	39,700	37,100
September	34,900	42,200	38,000	37,600	38,600
October	34,900	40,800	40,400	38,600	39,500
November	31,300	37,500	40,000	34,100	37,700
December	30,700	35,000	40,300	38,800	41,900
Total 1/	398,200	449,800	494,400	471,300	463,000
	-----1,000 Lbs Live-weight-----				
January	34,607	35,931	44,456	47,252	39,621
February	33,176	35,468	44,619	38,837	37,020
March	37,342	40,164	44,319	42,013	42,561
April	35,967	38,145	46,231	46,133	42,342
May	37,463	48,266	49,295	46,619	45,359
June	42,609	48,202	49,411	47,627	49,027
July	38,475	48,036	48,263	48,274	46,500
August	43,957	51,125	43,018	44,130	42,754
September	39,607	47,936	40,692	41,318	45,013
October	39,997	45,707	43,321	42,079	45,953
November	36,358	41,625	44,099	37,370	43,856
December	35,378	38,896	44,787	42,293	48,506
Total 1/	454,936	51,949	542,510	423,946	528,512

1/ Numbers may not add due to rounding.

Commercial Hog Slaughter

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

See footnotes at end of table

-Continued on next page

Commercial Hog Slaughter (Continued)

	-----1,000 Lbs Live-weight-----				
January	235	258	231	189	112
February	250	204	218	179	133
March	319	274	224	209	172
April	347	258	337	265	226
May	245	292	296	254	208
June	201	224	189	119	154
July	165	148	160	151	94
August	180	197	169	140	111
September	301	242	244	184	142
October	237	261	259	176	128
November	230	219	169	166	171
December	254	202	190	168	133
Total 1/	2,964	2,781	2,685	2,200	1,785

1/ Numbers may not add due to rounding.

Commercial Sheep Slaughter

	1994 2/	1995 2/	1996 2/	1997 2/	1998 2/
	-----Number-----				
January	100			100	100
February	100				
March	200			100	100
April	200			200	100
May	100		100	100	100
June			100	100	100
July			100		100
August			100	100	100
September			200	100	100
October			100	100	100
November			100	100	100
December			100	100	100
Total 1/			1,300	1,100	1,000
	-----1,000 Lbs Live-weight-----				
January	111			10	5
February	12				
March	21			11	11
April	20			18	17
May	13		17	12	13
June			8	4	5
July			4		7
August			8	7	7
September			16	13	9
October			10	6	12
November			5	8	3
December			6	6	7
Total 1/			133	104	99

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 1998 honey production was estimated at 3.3 million pounds, down 2 percent from 1997. Average yield from the 55,000 colonies was 60 pounds. This was down 20 pounds from last year.

Prices for the 1998 honey crop averaged 64 cents per pound, down 8 cents from last year. The value of the honey produced by Arizona apiarists was estimated at 2.11 million dollars, a decrease of 13 percent from 1997.

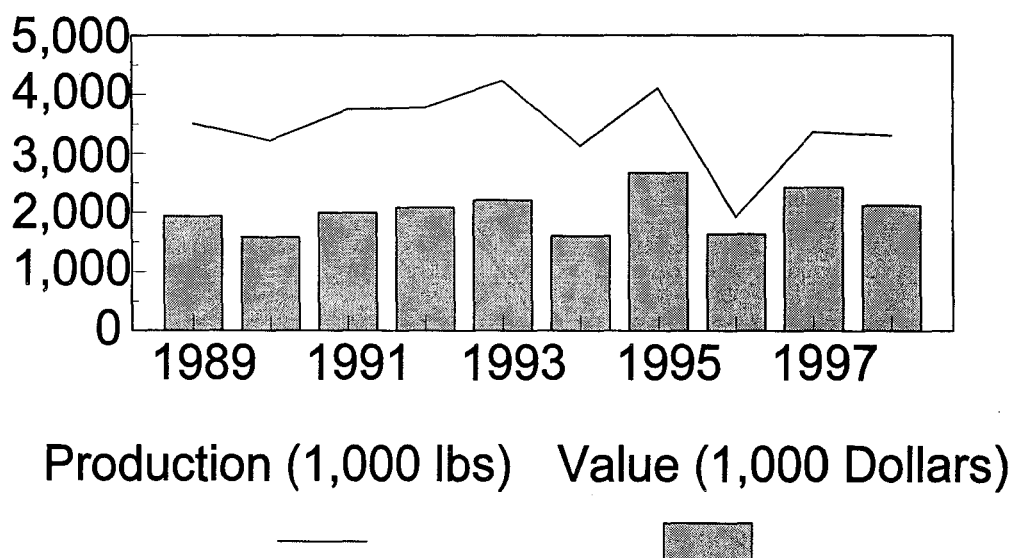
Estimates of honey production and colonies represent operations where honey is taken from colonies for sale or human consumption. Honey produced by beekeepers with fewer than five colonies is not included. Packaged bees and bees for pollination are included only if some honey was removed for human consumption.

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

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

1/ December 1 previous year through November 30.

HONEY Production and Value 1989 - 1998



Crop Summary: Acreage Harvested, Production, and Value

Commodity and Unit	Acres			Acres			Acres		
	Harv	Prod	Value	Harv	Prod	Value	Harv	Prod	Value
	-----1996-----			-----1997-----			-----1998-----		
	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)	314.0	778.0	260,288	324.0	847.0	263,044	248.0	608.0	181,517
Amer-Pima cotton (Bales)	41.9	74.4	37,855	22.0	41.8	19,703	15.5	26.8	11,278
All cotton (Bales)	355.9	852.4	298,143	346.0	888.8	282,747	263.5	634.8	192,795
Cottonseed (Tons)		324.0	50,220		312.0	41,808		288.0	33,525
Alfalfa hay (Tons)	160.0	1,280.0	121,600	190.0	1,558.0	174,496	200.0	1,600.0	146,400
Other hay (Tons)	19.0	67.0	4,992	40.0	148.0	13,098	40.0	140.0	11,760
All hay (Tons)	179.0	1,347.0	126,592	230.0	1,706.0	187,594	240.0	1,740.0	158,160
Durum wheat (Tons)	164.0	442.8	73,800	89.0	240.3	37,647	144.0	453.6	71,064
Other wheat (Tons)	14.0	39.9	5,520	9.0	23.0	3,098	8.0	21.6	1,872
All wheat (Tons)	178.0	482.7	79,320	98.0	263.3	40,745	152.0	475.2	72,936
Barley (Tons)	54.0	136.1	20,129	67.0	164.0	19,819	56.0	147.8	17,864
Corn for grain (Tons)	40.0	196.0	25,550	40.0	184.8	21,120	30.0	147.0	14,438
Corn for silage (Tons)	15.0	405.0	12,150	18.0	459.0	16,065	19.0	504.0	15,625
Potatoes (Cwt)	9.0	2,475.0	25,245	6.5	1,820.0	15,925	8.1	2,284.0	22,612
Head lettuce Western (Cwt)	57.0	16,245.0	212,810	51.8	16,835.0	195,286	51.0	17,850.0	289,170
Head lettuce Other (Cwt)	2.4	468.0	6,365	3.0	510.0	9,180	3.6	727.0	17,157
Leaf lettuce (Cwt)	4.3	1,441.0	51,876	5.7	1,568.0	49,706	7.0	1,890.0	39,690
Romaine lettuce (Cwt)	7.4	1,776.0	34,632	8.2	2,624.0	51,168	9.8	3,038.0	63,798
Dry onions (Cwt)	1.9	760.0	6,505	2.1	746.0	9,403	2.5	1,175.0	17,978
Broccoli (Cwt)	10.0	960.0	24,672	11.0	1,357.0	48,400	11.0	1,375.0	49,225
Cauliflower (Cwt)	4.4	770.0	25,410	3.9	780.0	25,896	3.9	819.0	37,510
Carrots (Cwt)	2.4	624.0	7,925	2.5	663.0	8,818	2.5	625.0	7,813
Cantaloupes (Cwt)	17.7	4,071.0	84,677	17.7	4,514.0	86,669	18.5	4,625.0	68,913
Honeydews (Cwt)	3.8	646.0	11,111	4.1	718.0	13,283	3.9	780.0	11,856
Watermelons (Cwt)	7.3	2,154.0	15,444	7.2	2,232.0	17,343	7.3	2,190.0	17,520
Grapefruit (Ctn)	5.1	2,400.0	4,438	4.7	1,800.0	2,693	4.7	1,600.0	3,762
Lemons (Ctn)	14.2	10,200.0	42,737	13.9	5,200.0	28,285	13.9	5,200.0	23,824
Oranges (Ctn)	9.4	3,300.0	8,612	9.2	2,000.0	6,719	9.2	2,000.0	5,345
Tangerines (Ctn)	5.5	2,000.0	10,802	5.3	1,100.0	8,367	5.3	1,200.0	7,519
Grapes (Tons) 1/ 2/	4.3	25.0	20,063	4.3	25.0	14,694	4.3	23.0	17,276
Apples (Lbs) 1/ 2/	4.0	100,000.0	12,432	3.7	44,100.0	4,724	3.8	42,000.0	7,625

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	1,740	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 8.0 tons per acre. This yield is down .2 tons from last year's record of 8.2 tons. Nationally, alfalfa yields averaged 3.47 tons with the next closest state, California, averaging 6.5 tons per acre. Harvested acres in Arizona were up 10,000 acres from a year earlier and the total production of 1,600,000 tons was up 3 percent. Acreage of other hay cut was unchanged at 40,000 acres.

Preliminary marketing average prices for alfalfa decreased to \$91.50 per ton from \$112.00 the previous year. Prices for other hay during the marketing year averaged \$84.00, a decrease of \$5.00 from the previous year.

Barley: Acreage in Arizona decreased to 58,000 acres, down 12,000 acres from the previous year. Of those 58,000 acres, 56,000 acres were harvested for grain yielding 5,280 pounds per acre, netting a production of 147,840 tons. Nationally, Colorado growers averaged 5,520 pounds per acre to lead the nation and North Dakota was the top producer by a large margin with 2,547,600 tons.

The marketing year average price for Arizona's crop, at \$120.80 per ton, was unchanged from a year earlier. Nationally, barley prices averaged \$81.25 with Arizona and Colorado growers leading with an average of \$120.80 received per ton.

Corn: Acreage decreased to a total of 50,000 acres planted during 1998. Of this 50,000 acres, 30,000 were harvested for grain and 19,000 for silage. Growers tied a state record yield of 9,800 pounds per acre set in 1997.

Oregon and Washington led the nation at 10,640 pounds per acre.

Prices received for grain corn decreased to \$98.20 per ton, down 14 percent from last year.

Cotton: Planted acreage for upland was up and long staple was down from a year earlier. Upland, at 250,000 planted acres, was down 75,000 acres while American-Pima, at 15,900 acres, was down 6,100 acres, and was the smallest acreage since 1956. Yields were also down; short staple - 1,123 pounds, down 132 pounds and long staple - 743 pounds, down 169 pounds. National averages were; short staple - 612 pounds and long staple - 873 pounds.

Prices were down for both types from a year earlier. Upland, at \$.629 per pound, was down \$.044 and American-Pima at \$.979 per pound, was down \$.003. U.S. prices were \$.642 for upland, down \$.010 per pound and \$.985 for American-Pima down \$.029 per pound.

Wheat: Acreage planted to Durum wheat in Arizona increased to 145,000. Average yields, at 6,300 pounds per acre, were up 900 pounds from the 1997 crop. Average prices received in Arizona, at \$156.70 per ton, were unchanged from last year but nationally, the price was down \$50.70 to \$113.30.

Other wheat acreage in Arizona at 8,000 acres, was down 2,000 acres from the previous year. Yields averaged 5,400 pounds per acre, surpassed only by Nevada's crop average of 6,000 pounds. The national average was 2,814 pounds. Prices averaged \$86.70 per ton in Arizona and \$83.30 nationally.

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

	1994	1995	1996	1997	1998
Planted (Acres)	313,000	365,000	315,000	325,000	250,000
Harvested (Acres)	312,000	364,000	314,000	324,000	248,000
Yield per harvested acre (Lbs)	1,203	1,046	1,189	1,255	1,177
Lint:					
Production (Bales)	782,000	793,000	778,000	847,000	608,000
Marketing year average price (Cents per pound) 2/	70.6	72.9	69.7	64.7	65.2
Value of production (1,000 Dollars)	265,004	277,487	260,288	263,044	181,517

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.

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

	1994	1995	1996	1997	1998
Planted (Acres)	48,000	48,600	42,000	22,000	15,900
Harvested (Acres)	47,900	48,100	41,900	22,000	15,500
Yield per harvested acre (Lbs)	806	720	852	912	830
Lint:					
Production (Bales)	80,400	72,200	74,400	41,800	26,800
Marketing year average price (Cents per pound) 2/	103.0	119.0	106.0	98.2	97.9
Value of production (1,000 Dollars)	39,750	41,241	37,855	19,703	11,278

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.

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

	1994	1995	1996	1997	1998
Planted (Acres)	361,000	413,600	357,000	347,000	265,900
Harvested (Acres)	359,900	412,100	355,900	346,000	263,500
Yield per harvested acre (Lbs)	1,150	1,008	1,150	1,233	1,156
Production (Bales)	862,400	865,200	852,400	888,800	634,800
Value of production (1,000 Dollars)	304,754	318,728	298,143	282,747	192,795

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

Cottonseed: Production, Disposition, and Value

	1994	1995	1996	1997	1998
Production (1,000 Tons)	324.0	334.0	324.0	312.0	288.0
Farm disposition:					
Sales to oil mills (1,000 Tons)	174.0	162.0	124.0	73.0	52.0
Other uses (1,000 Tons) 1/	150.0	172.0	200.0	239.0	236.0
Used for planting (1,000 Tons) 2/	3.7	3.3	3.2	2.4	2.4
Marketing year average price (Dollars per Ton) 3/	129.00	131.00	155.00	134.00	149.00
Value of production (1,000 Dollars)	41,796	43,754	50,220	41,808	33,525
Value of sales to oil mills (1,000 Dollars)	22,446	21,222	24,800	9,782	6,053

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.

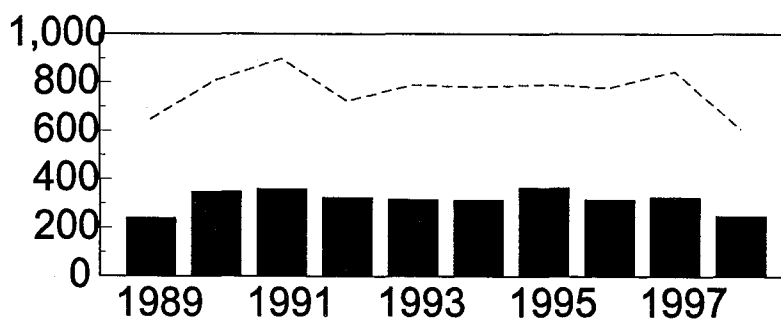
Upland Cotton: Acreage, Yield, and Production by County 1/

County	-----1997-----				-----1998-----			
	Planted	Harvested	Yield per Acre	Production	Planted	Harvested	Yield per Acre	Production
	-----Acres-----		Lbs	Bales	-----Acres-----		Lbs	Bales
Cochise	9,700	9,500	935	18,500	3,700	3,600	1,013	7,600
Graham	9,900	9,900	1,018	21,000	15,300	15,300	1,227	39,100
Greenlee	2,000	2,000	672	2,800	1,000	1,000	864	1,800
La Paz	25,200	25,200	1,219	64,000	15,200	15,200	1,203	38,100
Maricopa	118,400	117,900	1,287	316,100	81,000	79,800	1,214	201,800
Mohave	6,200	6,200	1,200	15,500	5,000	5,000	826	8,600
Pima	14,500	14,500	1,162	35,100	11,400	11,400	1,044	24,800
Pinal	114,100	113,900	1,256	298,000	96,100	95,400	1,222	242,900
Yuma	25,000	24,900	1,465	76,000	20,300	20,300	977	41,300
Arizona	325,000	324,000	1,255	847,000	250,000	248,000	1,177	608,000

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

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

Upland Cotton Acres Harvested and Production 1989 - 1998



Acres Harvested (1,000) Production (1,000 Bales)



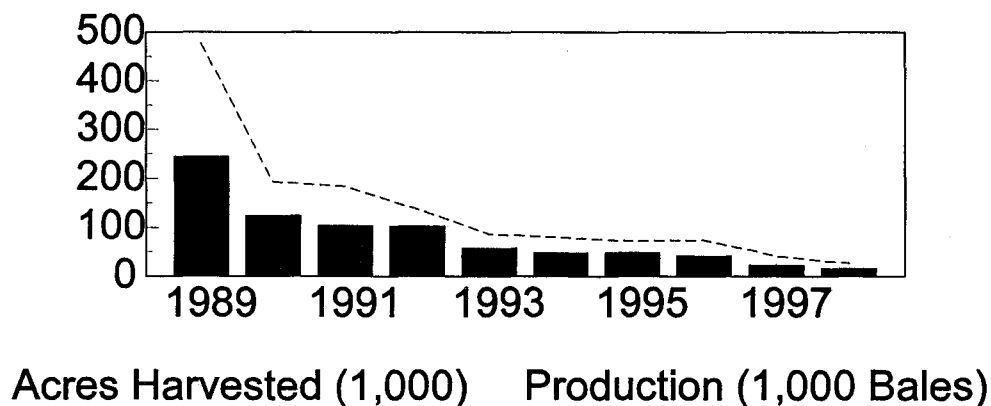
American-Pima Cotton: Acreage, Yield, and Production by County 1/

County	-----1997-----				-----1998-----			
	Planted	Harvested	Yield per Acre	Production	Planted	Harvested	Yield per Acre	Production
	-----Acres-----		Lbs	Bales	-----Acres-----		Lbs	Bales
Cochise	2/				2/			
Gila	2/				0			
Graham	5,700	5,700	825	9,800	3,700	3,600	1,013	7,600
Greenlee	2/				0			
La Paz	2/				2/			
Maricopa	6,000	6,000	920	11,500	4,000	4,000	804	6,700
Mohave	2/				0			
Pima	2/				2/			
Pinal	5,800	5,800	877	10,600	3,400	3,400	805	5,700
Yavapai	0				2/			
Yuma	3,500	3,500	1,111	8,100	3,000	2,800	771	4,500
Arizona	22,000	22,000	912	41,800	15,900	15,500	830	26,800

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

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

Pima Cotton Acres Harvested and Production 1989 - 1998



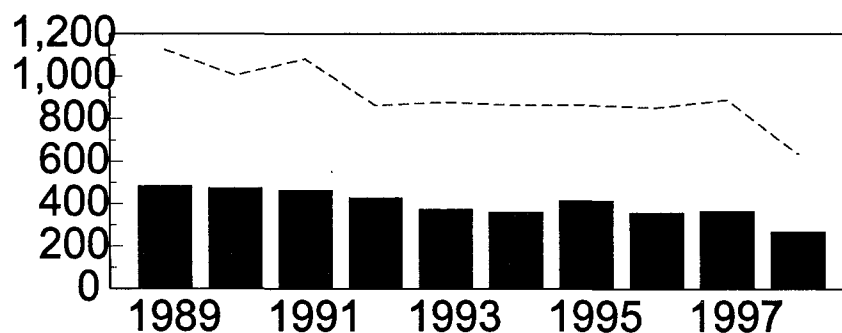
All Cotton: Acreage, Yield, and Production by County 1/

County	-----1997-----				-----1998-----			
	Planted	Harvested	Yield per Acre	Production	Planted	Harvested	Yield per Acre	Production
	----- Acres-----		Lbs	Bales	----- Acres-----		Lbs	Bales
Cochise	2/				2/			
Graham	15,600	15,600	948	30,800	19,000	18,900	1,186	46,700
Greenlee	2/				1,000	1,000	864	1,800
La Paz	2/				2/			
Maricopa	124,400	123,900	1,269	327,600	85,000	83,800	1,194	208,500
Mohave	2/				5,000	5,000	826	8,600
Pima	2/				2/			
Pinal	119,900	119,700	1,237	308,600	99,500	98,800	1,208	248,600
Yavapai	0				2/			
Yuma	28,500	28,400	1,421	84,100	24,200	23,300	944	45,800
Arizona	347,000	346,000	1,233	888,800	265,900	263,500	1,156	634,800

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

2/ Less than 1,000 acres planted not published or either Upland or American-Pima cotton not published.

All Cotton Acres Harvested and Production 1989 - 1998



Acres Harvested (1,000) Production (1,000 Bales)



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

	1994/95	1995/96	1996/97	1997/98	1998/99
	-----Cents Per Pound-----				
August	54.5	66.9	67.7	1/	1/
September	61.7	73.4	72.9	71.0	67.6
October	61.2	71.8	67.0	68.2	65.1
November	70.3	73.2	68.3	66.3	63.6
December	71.4	78.2	72.1	64.3	66.8
January	79.9	74.8	68.8	62.0	56.1
February	81.3	69.0	69.0	61.9	54.8
March	94.8	73.6	73.7	63.0	52.4
April	1/	72.9	68.8	56.0	55.2
May	102.3	72.1	70.4	59.3	1/
June	102.3	71.0	70.6	70.9	2/
July	97.7	71.7	1/	1/	2/
Marketing year average	70.6	72.9	69.7	67.3	2/

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

	1994/95	1995/96	1996/97	1997/98	1998/99
	-----Dollars per Ton-----				
August	1/	1/	1/	1/	1/
September	129	1/	155	150	105
October	129	1/	155	130	149
November	129	130	157	135	145
December	129	133	152	135	152
January	122	1/	1/	130	148
February	1/	1/	1/	1/	148
Marketing year average	129	131	155	134	149

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

Durum Wheat: Acreage, Yield, Production, and Value

	1994	1995	1996	1997	1998
Planted for all purposes (Acres)	95,000	100,000	165,000	90,000	145,000
<u>For grain:</u>					
Harvested (Acres)	94,000	99,000	164,000	89,000	144,000
Yield per acre (Lbs) 1/	5,460	5,160	5,400	5,400	6,300
Production (Tons) 1/	256,620	255,420	442,800	240,300	453,600
Marketing year average price (Dollars per Ton) 2/	144.70	157.00	166.70	156.70	156.70
Value of production (1,000 Dollars)	37,124	40,101	73,800	37,647	71,064

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

	1994	1995	1996	1997	1998
Planted for all purposes (Acres)	30,000	25,000	15,000	10,000	8,000
<u>For grain:</u>					
Harvested (Acres)	28,000	23,000	14,000	9,000	8,000
Yield per acre (Lbs) 1/	5,640	4,800	5,700	5,100	5,400
Production (Tons) 1/	78,960	55,200	39,900	22,950	21,600
Marketing year average price (Dollars per Ton) 2/	114.70	125.70	138.30	135.00	86.70
Value of production (1,000 Dollars)	9,054	6,937	5,520	3,098	1,872

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

	1994	1995	1996	1997	1998
Planted for all purposes (Acres)	125,000	125,000	180,000	100,000	153,000
<u>For grain:</u>					
Harvested (Acres)	122,000	122,000	178,000	98,000	152,000
Yield per acre (Lbs) 1/	5,500	5,090	5,420	5,370	6,250
Production (Tons) 1/	335,580	310,620	482,700	263,250	475,200
Marketing year average price (Dollars per Ton) 2/	140.70	151.40	166.70	156.70	128.30
Value of production (1,000 Dollars)	46,178	47,038	79,320	40,745	72,936

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	-----1997-----				-----1998-----			
	----- For grain-----				----- For grain-----			
	Planted for all purposes	Harvested	Yield per acre	Production	Planted for all purposes	Harvested	Yield per acre	Production
	----- Acres-----		Lbs 1/ Tons 1/		----- Acres-----		Lbs 1/ Tons 1/	
Apache	2/				2/			
Cochise	2/				2/			
Coconino	2/				2/			
Gila	2/				2/			
Graham	2/				2/			
Greenlee	2/				2/			
La Paz	4,600	4,500	5,460	12,290	11,200	11,100	6,200	34,410
Maricopa	25,200	25,100	5,520	69,280	40,900	40,700	6,430	130,850
Mohave	2/				2/			
Navajo	2/				2/			
Pima	2/				2/			
Pinal	26,600	26,600	4,800	63,840	44,000	43,800	5,660	123,950
Santa Cruz	2/				2/			
Yavapai	2/				2/			
Yuma	30,400	29,800	5,820	86,720	41,600	41,300	6,980	144,140
Arizona	90,000	89,000	5,400	240,300	145,000	144,000	6,300	453,600

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

County	-----1997-----				-----1998-----			
	----- For grain-----				----- For grain-----			
	Planted for all purposes	Harvested	Yield per acre	Production	Planted for all purposes	Harvested	Yield per acre	Production
	-----Acres-----		Lbs 1/ Tons 1/		-----Acres-----		Lbs 1/ Tons 1/	
Apache	2/				2/			
Cochise	2/				2/			
Coconino	2/				2/			
Gila	2/				2/			
Graham	2/				2/			
Greenlee	2/				2/			
La Paz	2,100	1,800	5,460	4,910	1,500	1,500	5,940	4,460
Maricopa	3,600	3,500	4,980	8,720	3,000	3,000	5,390	8,090
Mohave	2/				2/			
Navajo	2/				2/			
Pima	2/				2/			
Pinal	1,600	1,200	4,860	2,920	1,100	1,100	5,280	2,900
Santa Cruz	2/				2/			
Yavapai	2/				2/			
Yuma	2,000	1,900	5,280	5,020	2,000	2,000	5,670	5,670
Arizona	10,000	9,000	5,100	22,950	8,000	8,000	5,400	21,600

1/ Converted from 60-pound bushels and rounded.

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

All Wheat: Acreage, Yield, and Production by County

County	-----1997-----				-----1998-----			
	-----For grain-----				-----For grain-----			
	Planted for all purposes	Harvested	Yield per acre	Production	Planted for all purposes	Harvested	Yield per acre	Production
	-----Acres-----		Lbs 1/	Tons 1/	-----Acres-----		Lbs 1/	Tons 1/
Apache	2/				2/			
Cochise	2/				2/			
Coconino	2/				2/			
Gila	2/				2/			
Graham	2/				2/			
Greenlee	2/				2/			
La Paz	6,700	6,300	5,460	17,200	12,700	12,600	6,170	38,870
Maricopa	28,800	28,600	5,450	77,940	43,900	43,700	6,360	138,970
Mohave	2/				2/			
Navajo	2/				2/			
Pima	2,900	2,800	5,290	7,410	5,700	5,600	5,670	15,880
Pinal	28,200	27,800	4,800	66,720	45,100	44,900	5,650	126,840
Santa Cruz	2/				2/			
Yavapai	2/				2/			
Yuma	32,400	31,700	5,790	91,770	43,600	43,300	6,920	149,820
Arizona	100,000	98,000	5,370	263,200	153,000	152,000	6,250	474,690

1/ Converted from 60-pound bushels and rounded.

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

Barley: Acreage, Yield, Production, and Value

	1994	1995	1996	1997	1998
Planted for all purposes (Acres)	35,000	25,000	55,000	70,000	58,000
<u>For grain:</u>					
Harvested (Acres)	33,000	21,000	54,000	67,000	56,000
Yield per acre (Lbs) 1/	4,560	4,320	5,040	4,900	5,280
Production (Tons) 1/	75,240	45,360	136,080	164,020	147,840
Marketing year average price (Dollars per Ton) 2/	118.80	122.90	147.90	120.80	120.80
Value of production (1,000 Dollars)	8,935	5,576	20,129	19,819	17,864

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

	1994	1995	1996	1997	1998
Planted for all purposes (Acres)	28,000	30,000	55,000	60,000	50,000
<u>For grain:</u>					
Harvested (Acres)	15,000	22,000	40,000	40,000	30,000
Yield per acre (Lbs) 1/	9,520	9,520	9,800	9,240	9,800
Production (Tons) 1/	71,400	104,720	196,000	184,800	147,000
Marketing year average price (Dollars per Ton) 2/	116.10	132.10	130.40	114.30	98.20
Value of production (1,000 Dollars)	8,288	13,838	25,550	21,120	14,438

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

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

Barley: Acreage, Yield, and Production by County

County	-----1997-----				-----1998-----			
	-----For grain-----				-----For grain-----			
	Planted for all purposes	Harvested	Yield per acre	Production	Planted for all purposes	Harvested	Yield per acre	Production
	-----Acres-----		Lbs 1/	Tons 1/	-----Acres-----		Lbs 1/	Tons 1/
Apache	2/				2/			
Cochise	2,700	2,500	5,230	6,540	3,200	3,100	5,320	8,250
Coconino	2/				2/			
Gila	2/				2/			
Graham	2,100	1,900	5,710	5,430	2,000	2,000	6,180	6,180
Greenlee	1,700	1,600	5,470	4,380	1,100	900	5,280	2,380
La Paz	2/				2/			
Maricopa	26,400	25,600	4,660	59,600	20,200	20,000	5,070	50,710
Mohave	2/				2/			
Navajo	2/				2/			
Pima	1,500	1,400	4,750	3,330	1,200	1,200	5,300	3,180
Pinal	31,300	30,100	4,990	75,130	25,900	25,700	5,360	68,880
Santa Cruz	2/				2/			
Yavapai	2/				2/			
Yuma	3,600	3,300	4,940	8,160	3,100	2,200	5,300	5,830
Arizona	70,000	67,000	4,900	164,020	58,000	56,000	5,280	147,840

1/ Converted from 48-pound bushels and rounded.

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

Corn: Acreage, Yield, and Production by County

County	-----1997-----				-----1998-----			
	Planted for all Purposes	Harvested for Grain	Yield per Acre	Production	Planted for all Purposes	Harvested for Grain	Yield per Acre	Production
	-----Acres-----		Lbs 1/ Tons 1/		-----Acres-----		Lbs 1/ Tons 1/	
Apache	2/				2/			
Cochise	18,500	18,500	10,580	97,900	15,100	15,100	10,640	80,330
Coconino	2/				2/			
Gila	2/				2/			
Graham	5,400	4,100	8,180	16,760	3,900	3,900	9,180	17,910
Greenlee	1,800	400	6,890	1,380	2/			
La Paz	2/				2/			
Maricopa	16,800	4,400	8,460	18,600	14,600	1,300	8,570	5,570
Mohave	2/				2/			
Navajo	2/				2/			
Pima	1,000	900	7,110	3,200	2/			
Pinal	7,300	3,200	8,400	13,440	7,600	3,400	8,400	14,280
Santa Cruz	2/				2/			
Yavapai	2/				2/			
Yuma	7,200	7,100	7,900	28,030	5,700	4,600	9,520	21,900
Arizona	60,000	40,000	9,240	184,800	50,000	30,000	9,800	147,000

1/ Converted from 56 pound bushels and rounded.

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

Grain Stocks: Off-Farm Storage Facilities

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

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

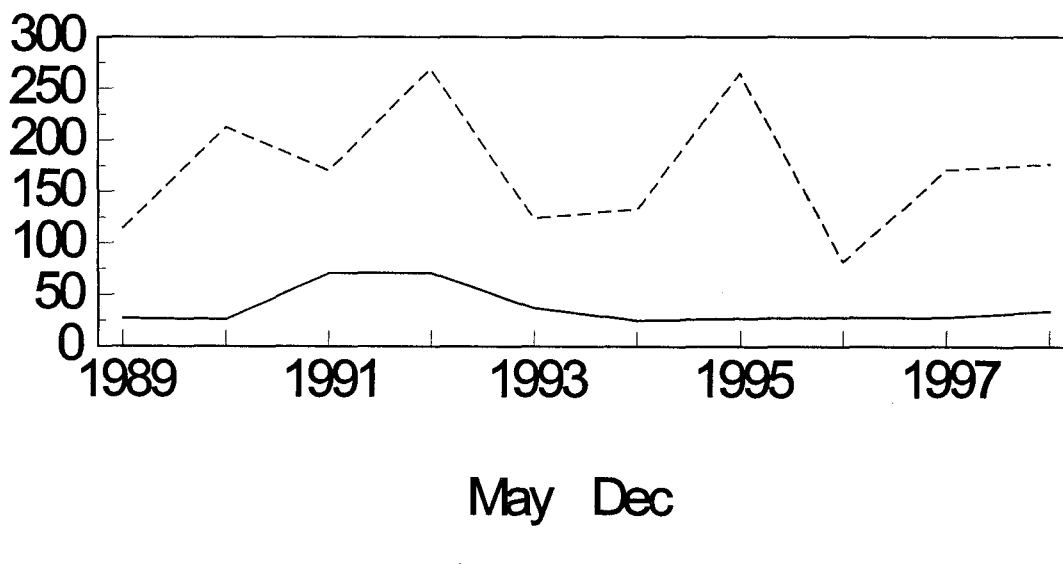
On-Farm Hay Stocks

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

1/ Includes old crop only.

ON FARM HAY STOCKS

1,000 Tons
1989 - 1998



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

	1994	1995	1996	1997	1998
Harvested (Acres)	195,000	195,000	179,000	230,000	240,000
Yield per acre (Tons)	6.80	7.14	7.53	7.42	7.25
Production (Tons)	1,326,000	1,392,000	1,347,000	1,706,000	1,740,000
Marketing year average price (Dollars per Ton) 2/	100.00	78.50	94.00	111.00	91.50
Value of production (1,000 Dollars)	133,554	109,496	126,592	187,594	158,160

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/

	1994/95	1995/96	1996/97	1997/98	1998/99 2/
	-----Dollars per Ton-----				
April	112.00	91.00	100.00	140.00	115.00
May	96.00	88.00	92.00	127.00	107.00
June	95.00	73.00	85.00	106.00	104.00
July	90.00	69.00	80.00	103.00	84.00
August	90.00	64.00	80.00	96.00	71.00
September	101.00	65.00	83.00	88.00	67.00
October	103.00	77.00	97.00	98.00	65.00
November	104.00	81.00	107.00	97.00	68.00
December	115.00	84.00	99.00	105.00	72.00
January	107.00	82.00	116.00	110.00	80.00
February	103.00	85.00	124.00	107.00	89.00
March	98.00	97.00	124.00	105.00	105.00
Marketing year average	100.00	78.50	94.00	111.00	91.50

1/ Does not include green chop or grazed.

2/ Preliminary for 1998/99.

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

	1994/95	1995/96	1996/97	1997/98	1998/99 2/
	-----Dollars per Ton-----				
April	115.00	91.00	101.00	141.00	115.00
May	98.00	88.00	92.00	127.00	109.00
June	98.00	73.00	85.00	106.00	104.00
July	93.00	69.00	82.00	104.00	84.00
August	92.00	64.00	81.00	96.00	70.00
September	104.00	65.00	84.00	90.00	67.00
October	105.00	77.00	98.00	99.00	64.00
November	108.00	81.00	109.00	100.00	68.00
December	118.00	84.00	100.00	106.00	73.00
January	109.00	87.00	119.00	110.00	80.00
February	104.00	87.00	126.00	108.00	90.00
March	99.00	97.00	125.00	105.00	105.00
Marketing year average	103.00	79.00	95.00	112.00	91.50

1/ Does not include green chop or grazed.

2/ Preliminary for 1998/99.

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

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

1/ Does not include green chop or grazed.

2/ Preliminary for 1998/99.

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	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	-----Tons-----		Acres	-----Tons-----	
Apache	2/			2/		
Cochise	2/			4,200	7.5	31,500
Coconino	2/			2/		
Gila	2/			2/		
Graham	2/			2/		
Greenlee	2/			2/		
La Paz	54,300	8.5	461,600	63,200	8.5	537,200
Maricopa	56,000	8.4	470,400	59,000	8.0	472,000
Mohave	5,800	6.9	40,000	5,600	8.0	44,800
Navajo	2/			2/		
Pima	2/			2/		
Pinal	22,500	8.4	189,000	24,800	8.0	198,400
Santa Cruz	2/			2/		
Yavapai	2/			2/		
Yuma	31,100	9.0	279,800	31,000	7.7	238,700
Arizona	190,000	8.2	1,558,000	200,000	8.0	1,600,000

1/ Does not include green chop or grazed.

2/ Less than 1,000 acres harvested not published or not published to avoid revealing 'Other Hay' harvested.

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	-----Tons-----		Acres	-----Tons-----	
Apache	2/			2/		
Cochise	2/			1,200	3.0	3,600
Coconino	2/			2/		
Gila	2/			2/		
Graham	2/			2/		
Greenlee	2/			2/		
La Paz	6,100	4.0	24,400	6,400	4.5	28,800
Maricopa	7,200	4.5	32,400	6,700	4.0	26,800
Mohave	1,500	3.6	5,400	1,900	4.0	7,600
Navajo	2/			2/		
Pima	2/			2/		
Pinal	3,700	3.0	11,100	2,500	3.0	7,500
Santa Cruz	2/			2/		
Yavapai	2/			2/		
Yuma	16,600	3.5	58,100	17,900	3.0	53,700
Arizona	40,000	3.7	148,000	40,000	3.5	140,000

1/ Does not include green chop or grazed.

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

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	-----Tons-----		Acres	-----Tons-----	
Apache	3,900	3.1	12,000	2,900	3.1	8,900
Cochise	6,800	6.2	42,200	5,400	6.5	35,100
Coconino	1,000	4.1	4,100	1,000	4.2	4,200
Gila	2/			2/		
Graham	4,100	6.5	26,800	3,600	7.7	27,600
Greenlee	2/			2/		
La Paz	60,400	8.1	486,000	69,600	8.1	566,000
Maricopa	63,200	8.0	502,800	65,700	7.6	498,800
Mohave	7,300	6.2	45,400	7,500	7.0	52,400
Navajo	3,100	4.2	12,900	3,800	5.6	21,300
Pima	2,200	6.9	6,000	1,600	7.0	11,200
Pinal	26,200	7.6	200,100	27,300	7.5	205,900
Santa Cruz	2/			2/		
Yavapai	2,500	4.4	11,100	1,600	5.0	8,000
Yuma	47,700	7.1	337,900	48,900	6.0	292,400
Arizona	230,000	7.4	1,706,000	240,000	7.3	1,740,000

1/ Does not include green chop or grazed.

2/ Less than 1,000 acres harvested not published or sum may not be published to avoid disclosure of acres harvested too small to warrant quantitative estimate.

Other Field Crops: Acreage and Production

	1994	1995	1996	1997	1998
Dry Beans					
Harvested (Acres)	7,300	7,100	3,800	2,700	2,800
Production (1,000 Cwt)	124	121	65	40	45
Jojoba					
Harvested (Acres)	6,000	6,000	6,000	6,000	4,800
Production (1,000 Lbs)	1,800	1,800	1,800	1,800	1,525
Oats for Grain					
Harvested (Acres)	4,500	3,500	2,000	4,200	3,600
Production (1,000 Lbs)	11,700	14,000	8,000	8,125	10,075
Peanuts					
Harvested (Acres)	1,000	800	800	525	500
Production (1,000 Lbs)	2,500	1,720	1,760	1,415	1,320
Safflower					
Harvested (Acres)	6,000	4,000	3,000	2,000	3,500
Production (1,000 Tons)	5.5	5.0	4.1	2.4	3.9
Sorghum Grain					
Harvested (Acres)	15,000	12,000	45,000	22,000	14,000
Production (1,000 Tons)	19.5	24.0	94.5	27.5	27.5
Sorghum Silage					
Harvested (Acres)	5,000	8,000	6,000	1,600	2,800
Production (1,000 Tons)	75.0	160.0	120.0	27.0	53.0
Miscellaneous Seeds					
Harvested (Acres)	19,200	18,600	15,800	16,000	17,000
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.

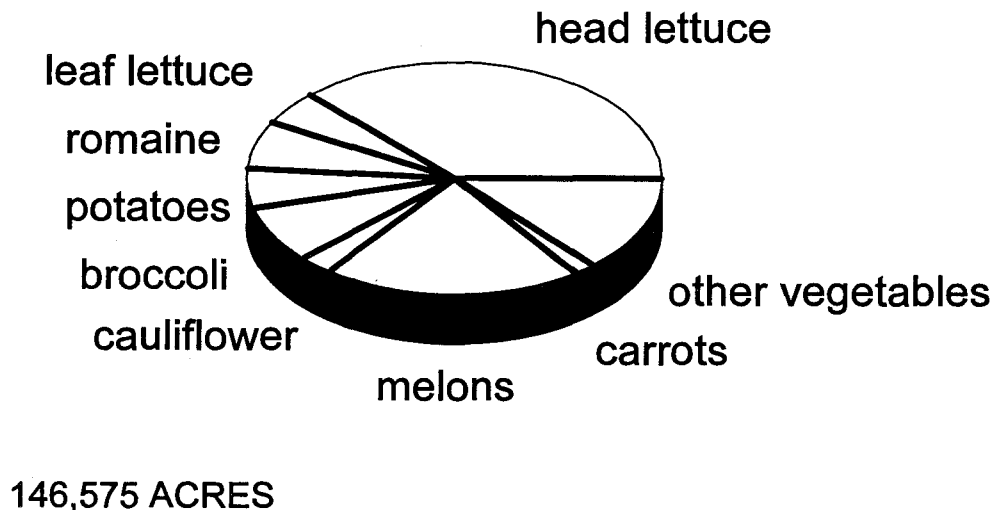
Just under 147 thousand acres were devoted to vegetables (including potatoes) and melon crops during 1998 in Arizona; an increase of 2 percent from a year earlier. Western head lettuce was the leader in acreage with 51,000 acres harvested, a decrease of 800 acres from 1997. Cantaloupe acreage totaled 18,500, an increase of 800 acres from the previous year and the second ranking crop in terms of acreage harvested. Other commodities showing an increase in planted

acreage included broccoli, leaf lettuce, romaine lettuce, dry onion, potatoes and watermelons. Among the major vegetable crops, only honeydew acreage was below the previous year.

The total value of all vegetables produced in Arizona during 1998 totaled over \$712 million, an increase of seventeen percent from the previous year. With the exception of cantaloupe, carrots, honeydew and leaf lettuce, the primary vegetables and melons reflected increases in receipts. In general, average prices received for most crops increased from average prices in 1997.

"Miscellaneous" and "other" vegetables were harvested from 17,000 acres with a value of \$91.8 million, which represents 13 percent of the total value of all vegetables produced in Arizona. The most significant vegetables among these in terms of acres harvested were cabbage, celery, chile peppers, radishes, spinach, and sweet corn.

ARIZONA VEGETABLES, MELONS & POTATOES ACRES HARVESTED 1997-98 SEASON



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

	1993/94	1994/95	1995/96	1996/97	1997/98
Planted (Acres)	50,500	41,700	57,000	52,000	51,000
Harvested (Acres)	50,000	41,700	57,000	51,800	51,000
Yield per acre (Cwt)	315	410	285	325	350
Production (1,000 Cwt)	15,750	17,097	16,245	16,835	17,850
Marketing year average price (Dollar per Cwt) 2/	9.16	20.70	13.10	11.60	16.20
Value of production (1,000 Dollars)	144,270	353,908	212,810	195,286	289,170

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

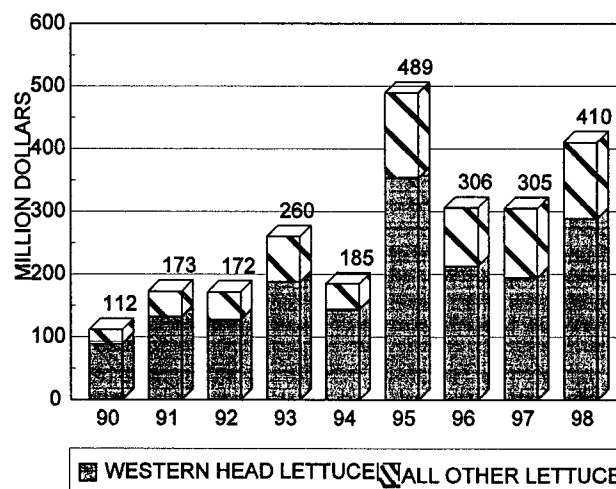
2/ Average price for the November through April marketing season.

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

	1993/94	1994/95	1995/96	1996/97	1997/98
	-----Dollars per Cwt-----				
November	8.28	24.60	11.50	12.40	1/
December	7.98	37.00	17.10	8.65	23.20
January	8.05	13.00	9.03	14.80	18.80
February	11.90	9.13	17.20	9.40	10.70
March	9.60	23.60	12.80	13.40	11.60
April	8.55	1/	1/	13.70	24.40
Season Average	9.16	20.70	13.10	11.60	16.20

1/ No movement reported.

VALUE OF LETTUCE PRODUCTION 1990 - 1998



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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Cochise	800	207	166	1,500	222	333
Pima 2/	600	164	98	600	208	125
Pinal	500	176	88	500	206	103

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.

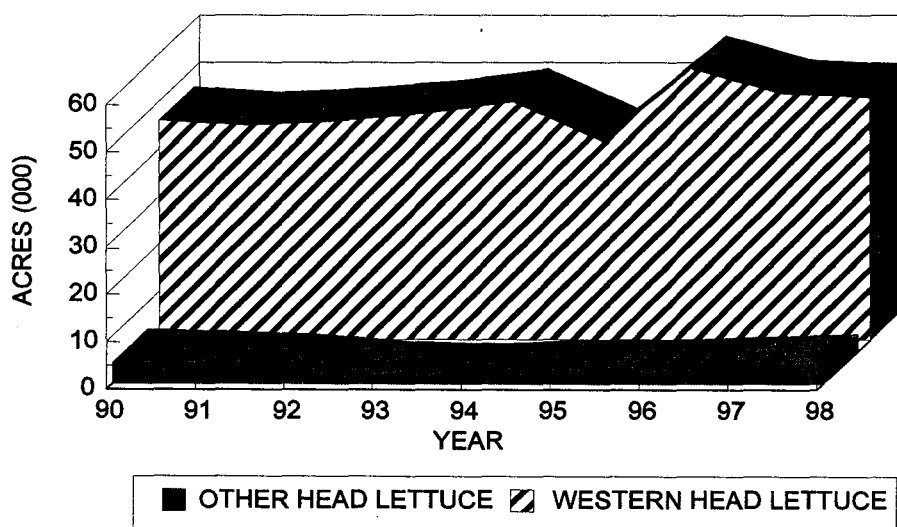
Head Lettuce Other, Spring: Acreage, Yield, Production, and Value 1/

	1994	1995	1996	1997	1998
Planted (Acres)	900	1,200	1,100	1,900	2,600
Harvested (Acres)	900	1,200	1,100	1,900	2,600
Yield per acre (Cwt)	237	275	236	185	211
Production (1,000 Cwt)	213	330	260	352	549
Marketing year average price (Dollar per Cwt) 2/	9.63	41.60	13.00	11.50	24.90
Value of production (1,000 Dollars)	2,051	13,728	3,380	4,048	13,670

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.

HEAD LETTUCE ACREAGE HARVESTED 1990 - 1998



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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Cochise	500	171	86	500	195	102
Maricopa	200	125	25	150	166	25
Pima	250	127	32	200	153	31
Pinal	150	101	15	150	164	25

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/

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

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/

	1994	1995	1996	1997	1998
Planted (Acres)	1,500	2,400	2,400	3,000	3,600
Harvested (Acres)	1,500	2,400	2,400	3,000	3,600
Yield per acre (Cwt)	230	235	195	170	202
Production (1,000 Cwt)	345	564	468	510	727
Marketing year average price (Dollar per Cwt) 2/	15.20	29.00	13.60	18.00	23.60
Value of production (1,000 Dollars)	5,244	16,356	6,365	9,180	17,157

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

	1994/95	1995/96	1996/98	1997/98	1998/99
	-----Dollars per Cwt-----				
March	8.86	41.80	15.90	14.70	1/
April	10.40	47.60	11.10	8.70	27.90
May	8.49	43.70	12.00	8.89	15.00
June	11.90	15.30	20.50	1/	1/
September	1/	1/	13.50	1/	1/
October	26.20	12.30	12.60	34.10	23.50
November	18.60	9.52	18.20	39.70	8.80
December	1/	8.26	23.00	1/	1/
Season Average	15.20	29.00	13.60	18.00	23.60

1/ No movement reported.

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Maricopa	150	166	25	100	132	13
Yuma	5,550	278	1,543	6,900	272	1,877

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

Leaf Lettuce: Acreage, Yield, Production, and Value

	1994	1995	1996	1997	1998
Planted (Acres)	3,500	3,200	4,300	5,800	7,000
Harvested (Acres)	3,500	3,200	4,300	5,700	7,000
Yield per acre (Cwt)	255	450	335	275	270
Production (1,000 Cwt)	893	1,440	1,441	1,568	1,890
Marketing year average price (Dollar per Cwt) 1/	23.00	49.10	36.00	31.70	21.00
Value of production (1,000 Dollars)	20,539	70,704	51,876	49,706	39,690

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

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Maricopa	100	110	11	100	120	12
Yuma	8,100	323	2,616	9,700	312	3,026

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

	1994	1995	1996	1997	1998
Planted (Acres)	4,200	5,700	7,400	8,300	9,800
Harvested (Acres)	4,100	5,700	7,400	8,200	9,800
Yield per acre (Cwt)	295	300	240	320	310
Production (1,000 Cwt) 1/	1,210	1,710	1,776	2,624	3,038
Marketing year average price (Dollar per Cwt) 2/	12.40	28.10	19.50	19.50	21.00
Value of production (1,000 Dollars)	15,004	48,051	34,632	51,168	63,798

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	-----1996/97-----			-----1997/98-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Maricopa 2/	3,200	99	319	3,550	104	369
Yuma	6,700	135	904	7,450	135	1,006

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.

Broccoli: Acreage, Yield, Production, and Value

	1993/94	1994/95	1995/96	1996/97	1997/98
Planted (Acres)	9,400	8,600	10,200	11,000	11,500
Harvested (Acres)	9,400	8,600	10,000	11,000	11,000
Yield per acre (Cwt)	110	110	96	123	125
Production (1,000 Cwt)	1,034	946	960	1,357	1,375
Marketing year average price (Dollar per Cwt) 1/	21.10	38.30	25.70	35.70	35.80
Value of production (1,000 Dollars)	21,817	36,232	24,672	48,400	49,225

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

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

County	-----1996/97-----			-----1997/98-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Maricopa	200	135	27	300	115	34
Yuma	3,700	180	666	3,600	218	785

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

Cauliflower: Acreage, Yield, Production, and Value

	1993/94	1994/95	1995/96	1996/97	1997/98
Planted (Acres)	5,700	4,500	4,400	3,900	3,900
Harvested (Acres)	5,700	4,500	4,400	3,900	3,900
Yield per acre (Cwt)	155	175	175	200	210
Production (1,000 Cwt)	884	788	770	780	819
Marketing year average price (Dollar per Cwt) 1/	26.00	36.70	33.00	33.20	45.80
Value of production (1,000 Dollars)	22,984	28,920	25,410	25,896	37,510

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

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Cochise	300	336	101	200	435	87
Maricopa	1,000	356	356	800	578	462
Other Counties 2/	800	361	289	1,500	417	626

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

2/ Includes La Paz, Pinal, and Yuma Counties to avoid disclosure of individual operations.

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

	1994	1995	1996	1997	1998
Planted (Acres)	1,700	1,400	2,100	2,100	2,500
Harvested (Acres)	1,600	1,400	1,900	2,100	2,500
Yield per acre (Cwt)	430	480	400	355	470
Production (1,000 Cwt)	688	672	760	746	1,175
Marketing year average price (Dollar per Cwt) 2/	7.72	7.93	8.60	12.60	15.30
Value of production (1,000 Dollars)	5,308	5,331	6,505	9,403	17,978

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/

	1994	1995	1996	1997	1998
	-----Dollars per Cwt-----				
April	2/	7.50	8.00	17.40	2/
May	7.50	7.32	8.50	13.60	17.00
June	7.75	7.75	9.00	15.40	13.10
July	2/	8.00	9.50	2/	2/
Season Average	7.72	7.93	8.60	12.60	15.30

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	-----1996/97-----			-----1997/98-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Maricopa	2,500	265	663	2,500	250	625

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

Carrots: Acreage, Yield, Production, and Value

	1993/94	1994/95	1995/96	1996/97	1997/98
Planted (Acres)	2,200	1,900	2,400	2,500	2,500
Harvested (Acres)	2,200	1,900	2,400	2,500	2,500
Yield per acre (Cwt)	140	275	260	265	250
Production (1,000 Cwt)	308	523	624	663	625
Marketing year average price (Dollar per Cwt) 1/	11.70	17.40	12.70	13.30	12.50
Value of production (1,000 Dollars)	3,604	9,100	7,925	8,818	7,813

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

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
La Paz	1,000	205	204	600	226	136
Maricopa 2/	1,100	150	165	1,100	215	236
Yuma	300	177	53	700	195	137

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

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

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

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Maricopa	1,200	192	230	1,100	207	228
Other Counties 2/	500	129	65	400	110	44

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

2/ Includes La Paz, Pinal, and Yuma Counties to avoid disclosure of individual operations.

Fall Honeydews: Acreage, Yield, Production, and Value

	1994	1995	1996	1997	1998
Planted (Acres)	600	1,300	1,000	1,700	1,500
Harvested (Acres)	600	1,300	1,000	1,700	1,500
Yield per acre (Cwt)	108	124	156	173	181
Production (1,000 Cwt)	65	161	156	294	272
Marketing year average price (Dollar per Cwt) 1/	30.70	19.70	18.10	20.00	13.70
Value of production (1,000 Dollars)	1,998	3,175	2,830	5,882	3,719

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

All Honeydews: Acreage, Yield, Production, and Value

	1994	1995	1996	1997	1998
Planted (Acres)	2,100	3,600	3,800	4,100	3,900
Harvested (Acres)	2,100	3,600	3,800	4,100	3,900
Yield per acre (Cwt)	210	160	170	175	200
Production (1,000 Cwt)	441	576	646	718	780
Marketing year average price (Dollar per Cwt) 1/	18.70	24.10	17.20	18.50	15.20
Value of production (1,000 Dollars)	8,247	13,882	11,111	13,283	11,856

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

All Honeydews: Monthly and Season Average Prices Received by Growers

	1994	1995	1996	1997	1998 1/
	-----Dollars per Cwt-----				
May	21.60	43.70	31.10	30.00	
June	18.20	27.20	18.00	20.00	
July	13.00	23.50	12.00	15.00	
August	10.80	23.50	14.20	15.70	
September	36.70	21.20	14.70	11.70	
October	32.50	21.20	17.00	12.50	
November	23.50	17.10	20.00	13.80	
Season Average	18.70	24.10	17.20	18.50	15.20

1/ 1998 Monthly prices not available.

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
La Paz	2,600	240	624	3,200	250	800
Maricopa	5,000	320	1,600	3,500	264	924
Pinal	600	308	185	2/		
Yuma	3,400	397	1,350	3,100	335	1,039

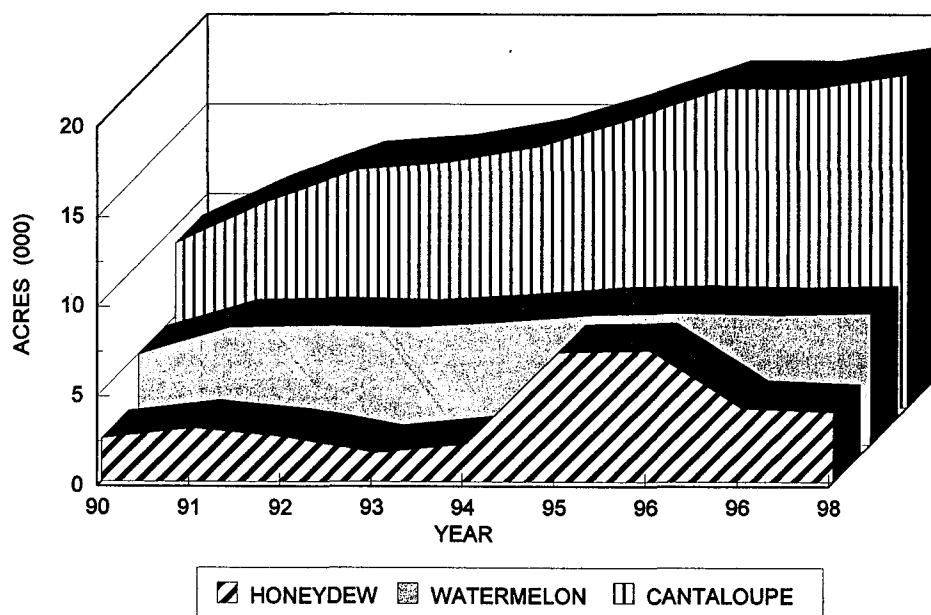
1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

2/ Pinal County included in Maricopa County.

Spring Cantaloupe: Acreage, Yield, and Production

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

MELON ACREAGE HARVESTED 1990 - 1998



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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Cochise	2/			2/		
La Paz	3,100	187	580	3,300	240	792
Maricopa	3,400	169	575	3,200	216	691
Pinal	200	140	28	2/		
Yuma	2,200	130	286	2,200	172	379

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.

Fall Cantaloupe: Acreage, Yield, and Production

	1994	1995	1996	1997	1998
Planted (Acres)	5,100	7,100	8,200	6,200	8,700
Harvested (Acres)	5,100	7,100	8,200	6,200	8,700
Yield per acre (Cwt)	75	85	149	165	214
Production (1,000 Cwt)	383	605	1,221	1,023	1,862

All Cantaloupe: Acreage, Yield, Production, and Value

	1994	1995	1996	1997	1998
Planted (Acres)	14,500	16,000	17,700	17,700	18,500
Harvested (Acres)	14,500	16,000	17,700	17,700	18,500
Yield per acre (Cwt)	170	190	230	255	250
Production (1,000 Cwt)	2,465	3,040	4,071	4,514	4,625
Marketing year average price (Dollar per Cwt) 1/	17.80	20.10	20.80	19.20	14.90
Value of production (1,000 Dollars)	43,877	61,104	84,677	86,669	68,913

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

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

County	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Cochise	200	150	30	100	155	16
La Paz	400	250	100	600	247	148
Maricopa	3,650	272	992	3,450	258	890
Pinal	2,000 2/	337	674	1,900	322	611
Yuma	950	459	436	1,250	420	525

1/ Watermelons are planted as Spring and Fall crops. Estimates by season are not available. Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

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

Watermelon: Acreage, Yield, Production, and Value 1/

	1994	1995	1996	1997	1998
Planted (Acres)	6,800	7,200	7,300	7,200	7,300
Harvested (Acres)	6,800	7,200	7,300	7,200	7,300
Yield per acre (Cwt)	310	250	295	310	300
Production (1,000 Cwt)	2,108	1,800	2,154	2,232	2,190
Marketing year average price (Dollar per Cwt) 2/	5.60	11.40	7.20	7.80	8.00
Value of production (1,000 Dollars)	11,805	20,520	15,444	17,343	17,520

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	-----1997-----			-----1998-----		
	Harvested	Yield per Acre	Production	Harvested	Yield per Acre	Production
	Acres	Cwt	1,000 Cwt	Acres	Cwt	1,000 Cwt
Maricopa 2/	4,900	282	1,382	4,800	284	1,363
Pinal	1,600	274	438	3,300	279	921
Yuma	2/			2/		

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

2/ Maricopa County includes some acreage from Cochise County in 1997 and Yuma County in 1997-1998.

Potatoes: Acreage, Yield, Production, and Value

	1994	1995	1996	1997	1998
Planted (Acres)	6,300	6,500	9,000	6,500	8,100
Harvested (Acres)	6,300	6,500	9,000	6,500	8,100
Yield per acre (Cwt)	265	270	275	280	282
Production (1,000 Cwt)	1,670	1,755	2,475	1,820	2,284
Marketing year average price (Dollar per Cwt) 1/	7.35	7.65	10.20	8.75	9.90
Value of production (1,000 Dollars)	12,275	13,426	25,245	15,925	22,612

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

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

	1994	1995	1996	1997	1998
	-----Dollars per Cwt-----				
April	11.20	13.60	10.10	6.20	9.10
May	8.50	7.90	10.30	9.50	11.90
June	5.95	6.45	6.90	8.45	7.50
July	5.55	5.15	2/	2/	10.00
Season Average	7.35	7.65	10.20	8.75	9.90

1/ Includes fresh market and processed potato prices.

2/ No movement reported.

Other Vegetables: Acreage, Production, and Value 1/

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

See footnotes at end of table

-Continued on next page

Continued

	1994	1995	1996	1997	1998
Parsley					
Harvested acres	130	90	170	90	60
Production (21 lb carton)	90,000	122,800	175,000	169,100	66,300
Value of production (1,000 Dollars)	369	503	717	357	140
Radishes 4/					
Harvested acres					1,440
Production (40 lb carton)					470,500
Value of production (1,000 Dollars)					4,587
Rapini					
Harvested acres	280	50	40	80	10
Production (25 lb carton)	53,000	29,500	99,800	28,900	19,100
Value of production (1,000 Dollars)	302	168	569	1,291	853
Spinach					
Harvested acres	2,450	1,630	1,060	1,650	1,800
Production (25 lb carton)	735,100	784,100	729,000	902,020	1,021,400
Value of production (1,000 Dollars)	5,785	6,256	5,795	9,122	14,544
Squash					
Harvested acres	680	450	310	340	300
Production (24 lb carton)	48,000	16,200	64,200	32,400	64,100
Value of production (1,000 Dollars)	5	59	475	513	2,243
Sweet Corn					
Harvested acres	1,500	1,400	1,800	1,640	2,000
Production (50 lb carton)	92,000	150,500	252,000	335,300	284,000
Value of production (1,000 Dollars)	690	1,407	2,218	2,482	5,860
Turnips					
Harvested acres	175	160	140	195	65
Production (25 lb sack)	55,000	28,600	101,000	73,000	63,400
Value of production (1,000 Dollars)	429	223	788	453	393
Miscellaneous Vegetables 5/					
Harvested acres	4,797	2,178	3,421	4,461	2,420
Production					
Value of production (1,000 Dollars)	12,220	11,872	19,595	19,459	11,972

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.

Fruit and Nut

Apples: Arizona's utilized apple production was 42.0 million pounds, 5 percent less than last year's crop. The total crop value was \$7.6 million, an increase of \$2.90 million.

Pecans: Arizona was the nation's 4th leading state in pecan production for 1998 with production of 17 million pounds. **Nationally**, pecan production decreased 54 percent from last year. Because of lower production, the U.S. average price of \$1.59 cents per pound reflected a 59 percent increase from the previous year. Arizona pecan prices averaged \$1.25 per pound.

Citrus: Production, **nationally**, totaled a record 18.0 million tons, up 5 percent from the previous season and 9 percent higher than the 1995-96 season. The 1997-98 crop registered a record production due primarily to record orange production in Florida. California's orange production increased 16 percent while the grapefruit production increased 10 percent from the previous year. Texas showed increases in orange and grapefruit acreage. Orange production increased

7 percent, however, grapefruit production was down 9 percent from a year ago. Arizona's citrus production was virtually unchanged from the previous season. In the 1997-98 season, Florida accounted for 75 percent of U.S. citrus production; California totaled 22 percent; Texas and Arizona produced the remaining 3 percent.

Citrus acreage and production in **Arizona**, as a whole, remained similar to the previous year. Orange acreage is down 13 percent from 6 years ago; lemon acreage is down 15 percent, grapefruit acreage is down 30 percent while tangerine acreage is up 8 percent. The total value of all citrus crop was down 12 percent from the prior year.

Grapes: Arizona's grape production ranked 6th in the nation in 1997-98. The price per ton increased by 28 percent and the fresh and processed value increased by 18 percent from the previous year. Production was down 8 percent from the previous season.

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

	1994	1995	1996	1997	1998
Bearing acreage (Acres)	4,400	4,200	4,000	3,700	3,800
Yield per acre (Lbs)	13,409	2,620	25,000	11,919	11,053
Utilization of production: (Million Lbs)					
Fresh	8.0	0.2	4.0	0.5	1/
Processed	51.0	10.8	96.0	43.6	1/
Total	59.0	11.0	100.0	44.1	42.0
Season average price per pound (Dollars)	0.078	0.071	0.124	0.107	0.182
Value of utilized production (1,000 Dollars)	4,621	782	12,432	4,724	7,625

1/ Not published until July 1999.

Pecans: Production, Price, and Value 'Four States'

	1994 1/	1995 2/	1996 3/	1997	1998
Utilized production (1,000 Lbs)	20,500	15,900	17,000	18,500	17,000
Price per pound (Dollars)	1.210	1.290	0.620	1.250	1.250
Value of utilized production (1,000 Dollars)	24,869	20,483	10,540	23,125	21,250

1/ Includes Arizona, Mississippi, Missouri, and Tennessee.

2/ Includes Arizona, Missouri, and Tennessee

3/ Arizona only beginning in 1996.

Grapefruit Varieties: Acreage, Yield, and Production by County

	White	Red Blush	All		Fresh 2/	Processed 2/	Total
	-----Harvested 1/-----			Yield per Acre	-----Utilization of Production-----		
County	-----Acres-----			Cartons	-----1,000 Cartons 3/-----		
	-----1996/97-----						
Maricopa 4/	1,400	1,800	3,200	382	645	579	1,224
Yuma	200	1,300	1,500	384	303	273	576
	-----1997/98-----						
Maricopa 4/	1,400	1,800	3,200	291	546	385	931
Yuma	200	1,300	1,500	446	444	225	669

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

	1993/94	1994/95	1995/96	1996/97	1997/98
Harvested (Acres) 1/	5,900	5,700	5,100	4,700	4,700
Yield per acre (Cartons)	594	492	470	382	340
Utilization of production: (1,000 Cartons) 2/					
Fresh	2,264	2,626	1,506	948	990
Processed	1,236	174	894	852	610
Total	3,500	2,800	2,400	1,800	1,600
Season average price per carton (Dollars) 3/	1.44	2.78	1.85	1.50	2.35
Value of production (1,000 Dollars)	5,046	7,787	4,438	2,693	3,762

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

	1993/94	1994/95	1995/96	1996/97	1997/98
	-----Dollars per Carton 1/-----				
F.O.B. packed fresh	4.87	5.70	5.75	5.75	6.60
<i>Equivalent returns</i>					
Packinghouse door:					
All	1.44	2.78	1.85	1.50	2.35
Fresh	2.28	2.98	3.03	3.03	3.88
Processed	-0.09	-0.22	-0.14	-0.21	-0.13
On-tree:					
All	0.65	1.81	0.88	0.53	1.38
Fresh	1.49	2.01	2.06	2.06	2.91
Processed	-0.88	-1.19	-1.11	-1.18	-1.10

1/ Net weight per carton, 33.5 pounds.

Lemons: Acreage, Yield, and Production by County

			Fresh	Processed	Total
	Harvested 1/	Yield per Acre	----- Utilization of Production-----		
County	Acres	Cartons	-----1,000 Cartons 2/-----		
			-----1996/97-----		
Maricopa 3/	1,200	398	293	184	477
Yuma	12,700	372	2,703	2,020	4,723
			-----1997/98-----		
Maricopa 3/	1,200	533	320	320	640
Yuma	12,700	359	2,540	2,020	4,560

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

	1993/94	1994/95	1995/96	1996/97	1997/98
Harvested (Acres) 1/	15,600	16,100	14,200	13,900	13,900
Yield per acre (Cartons)	666	448	718	374	374
Utilization of production: (1,000 Cartons) 2/					
Fresh	5,902	4,826	5,534	2,996	2,860
Processed	4,498	2,374	4,666	2,204	2,340
Total	10,400	7,200	10,200	5,200	5,200
Season average price per carton (Dollars) 3/	4.84	5.19	4.19	5.44	4.58
Value of production (1,000 Dollars)	50,342	37,321	42,737	28,285	23,824

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

	1993/94	1994/95	1995/96	1996/97	1997/98
-----Dollars per Carton 1/-----					
F.O.B. packed fresh	12.25	11.70	11.15	12.55	11.65
<i>Equivalent returns</i>					
Packinghouse door:					
All	4.84	5.19	4.19	5.44	4.58
Fresh	8.00	7.48	6.93	8.33	7.43
Processed	0.70	0.52	0.94	1.51	1.10
On-tree:					
All	3.06	3.37	2.37	3.62	2.76
Fresh	6.22	5.66	5.11	6.51	5.61
Processed	-1.09	-1.31	-0.88	-0.31	-0.72

1/ Net weight per carton, 38 pounds.

Valencia Oranges: Acreage, Yield, and Production by County

			Fresh	Processed	Total
	Harvested 1/	Yield per Acre	-----Utilization of Production-----		
County	Acres	Cartons	-----1,000 Cartons 2/-----		
			-----1996/97-----		
Maricopa 3/	2,500	271	675	3	678
Yuma	2,000	261	519	3	522
			-----1997/98-----		
Maricopa 3/	2,500	389	972	2	974
Yuma	2,000	163	322	4	326

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

	1993/94	1994/95	1995/96	1996/97	1997/98
Harvested (Acres) 1/	5,400	5,200	4,700	4,500	4,500
Yield per acre (Cartons)	444	250	404	266	288
Utilization of production: (1,000 Cartons) 2/					
Fresh	1,898	1,284	1,436	1,194	1,294
Processed	502	16	464	6	6
Total	2,400	1,300	1,900	1,200	1,300
Season average price per carton (Dollars) 3/	2.85	2.76	2.06	2.64	2.64
Value of production (1,000 Dollars)	6,837	3,591	3,910	3,168	3,435

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

	1993/94	1994/95	1995/96	1996/97	1997/98
-----Dollars per Carton 1/-----					
F.O.B. packed fresh	6.50	5.75	5.75	5.60	5.60
<i>Equivalent returns</i>					
Packinghouse door:					
All	2.85	2.76	2.06	2.64	2.64
Fresh	3.59	2.80	2.80	2.65	2.65
Processed	0.05	-0.24	-0.24	0.60	0.95
On-tree:					
All	1.84	1.73	1.03	1.60	1.60
Fresh	2.58	1.76	1.76	1.61	1.61
Processed	-0.97	-1.28	-1.28	-0.44	-0.10

1/ Net weight per carton, 37.5 pounds.

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

County			Fresh	Processed	Total
	Harvested 1/	Yield per Acre	-----Utilization of Production-----		
	Acres	Cartons	-----1,000 Cartons 2/-----		
			-----1996/97-----		
Maricopa 3/	4,400	169	633	112	745
Yuma	300	183	47	8	55
			-----1997/98-----		
Maricopa 3/	4,400	143	428	200	628
Yuma	300	240	42	30	72

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

	1993/94	1994/95	1995/96	1996/97	1997/98
Harvested (Acres) 1/	5,200	5,200	4,700	4,700	4,700
Yield per acre (Cartons)	154	154	298	170	148
Utilization of production: (1,000 Cartons) 2/					
Fresh	1,128	706	1,100	680	470
Processed	272	94	300	120	230
Total	1,400	800	1,400	800	700
Season average price per carton (Dollars) 3/	4.09	5.03	3.36	4.44	2.73
Value of production (1,000 Dollars)	5,726	4,025	4,702	3,551	1,910

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

	1993/94	1994/95	1995/96	1996/97	1997/98
	-----Dollars per Carton 1/-----				
F.O.B. packed fresh	8.15	8.80	7.35	8.25	7.10
<i>Equivalent returns</i>					
Packinghouse door:					
All	4.09	5.03	3.36	4.44	2.73
Fresh	5.11	5.71	4.34	5.24	4.09
Processed	-0.14	-0.07	-0.24	-0.10	-0.05
On-tree:					
All	3.18	4.01	2.37	3.45	1.74
Fresh	4.20	4.69	3.35	4.25	3.10
Processed	-1.06	-1.09	-1.23	-1.09	-1.04

1/ Net weight per carton, 37.5 pounds.

All Oranges: Acreage, Yield, and Production by County

			Fresh	Processed	Total
	Harvested 1/	Yield per Acre	-----Utilization of Production-----		
County	Acres	Cartons	-----1,000 Cartons 2/-----		
	-----1996/97-----				
Maricopa 3/	6,900	206	1,308	115	1,423
Yuma	2,300	251	566	11	577
	-----1997/98-----				
Maricopa 3/	6,900	232	1,400	202	1,602
Yuma	2,300	173	364	34	398

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

	1993/94	1994/95	1995/96	1996/97	1997/98
Harvested (Acres) 1/	10,600	10,400	9,400	9,200	9,200
Yield per acre (Cartons)	358	202	352	218	218
Utilization of production: (1,000 Cartons) 2/					
Fresh	3,026	1,990	2,536	1,874	1,764
Processed	774	110	764	126	236
Total	3,800	2,100	3,300	2,000	2,000
Season average price per carton (Dollars) 3/	3.31	3.63	2.61	3.36	2.68
Value of production (1,000 Dollars)	12,563	7,616	8,612	6,719	5,345

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

	1993/94	1994/95	1995/96	1996/97	1997/98
-----Dollars per Carton 1/-----					
F.O.B. packed fresh	7.10	6.85	6.45	6.55	6.00
<i>Equivalent returns</i>					
Packinghouse door:					
All	3.31	3.63	2.61	3.36	2.68
Fresh	4.16	3.83	3.47	3.59	3.04
Processed	-0.02	-0.09	-0.24	-0.07	-0.03
On-tree:					
All	2.33	2.60	1.59	2.34	1.65
Fresh	3.18	2.80	2.45	2.57	2.01
Processed	-1.00	-1.11	-1.26	-1.07	-1.02

1/ Net weight per carton, 37.5 pounds.

Tangerines: Acreage, Yield, and Production by County

			Fresh	Processed	Total
	Harvested 1/	Yield per Acre	-----Utilization of Production-----		
County	Acres	Cartons	-----1,000 Cartons 2/-----		
	-----1996/97-----				
Maricopa 3/	3,200	206	594	65	659
Yuma	2,100	210	398	43	441
	-----1997/98-----				
Maricopa 3/	3,200	233	625	119	744
Yuma	2,100	217	339	117	456

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

	1993/94	1994/95	1995/96	1996/97	1997/98
Harvested (Acres) 1/	5,500	5,600	5,500	5,300	5,300
Yield per acre (Cartons)	364	232	364	208	226
Utilization of production: (1,000 Cartons) 2/					
Fresh	1,616	1,164	1,532	992	964
Processed	384	136	468	108	236
Total	2,000	1,300	2,000	1,100	1,200
Season average price per carton (Dollars) 3/	5.62	8.14	5.40	7.61	6.27
Value of production (1,000 Dollars)	11,233	10,578	10,802	8,367	7,519

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

	1993/94	1994/95	1995/96	1996/97	1997/98
-----Dollars per Carton 1/-----					
F.O.B. packed fresh	9.90	12.05	10.05	11.40	10.75
<i>Equivalent returns</i>					
Packinghouse door:					
All	5.62	8.14	5.40	7.61	6.27
Fresh	6.99	9.10	7.10	8.45	7.80
Processed	-0.17	-0.10	-0.16	-0.14	0.00
On-tree:					
All	4.60	7.10	4.36	6.57	5.23
Fresh	5.98	8.06	6.06	7.41	6.76
Processed	-1.18	-1.14	-1.20	-1.18	-1.04

1/ Net weight per carton, 37.5 pounds.

Grapes: Bearing Acreage and Variety by County 1/

County	-----Table varieties-----					Total
	Flame seedless	Perlette	Thompson seedless	Other 2/	Wine varieties	
	-----Acres-----					
	-----1997-----					
Maricopa	850	195	1,040	85	3/	2,170
Pinal	465	90	80	20	3/	655
Yuma	435	415	295	20	3/	1,165
Other Counties 4/	3/	3/	3/	10	300	310
Arizona	1,750	700	1,415	135	300	4,300
	-----1998-----					
Maricopa	760	190	1,040	100	3/	2,090
Pinal	480	95	160	25	3/	760
Yuma	435	400	295	20	3/	1,150
Other Counties 4/	3/	3/	3/	10	300	310
Arizona	1,675	675	1,495	155	300	4,300

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

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

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

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, and olives. Utilized production not published due to the different units of production.

Nuts: Acreage, Production, and Value 1/

	1994	1995	1996	1997	1998
	-----Pecans 2/-----				
Acres in production (Acres)	14,589	15,242	15,122	12,873	14,300
Utilized production (1,000 Lbs)			17,000	18,500	17,000
Value of production (1,000 Dollars)			10,540	23,125	21,250
	-----Pistachios-----				
Acres in production (Acres)	2,500	2,383	2,935	2,735	2,735
Utilized production (1,000 Lbs)	5,575	5,719	4,900	7,983	3,897
Value of production (1,000 Dollars)	5,140	5,490	5,537	9,021	7,717

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>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	1/				Number of Farms	288
Pima cotton	1/				Total land in farms	1/
Durum wheat	1/				Harvested Cropland	6,754
Other wheat	1/				Average farm size	1/
Barley	1/				Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$6,732
Alfalfa hay	1/				All crops (1,000 Dollars)	\$262
Other hay	1/				All livestock (1,000 Dollars)	\$6,470
Potatoes	1/				Cattle Inventory	33,376
Principal vegetables	1/				Sheep Inventory	1/
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	32,000			8		
Sheep	57,000			1		
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	752			15		
Livestock (1,000 Dollars)	28,335			9		

Cochise County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	3,600	1,013 lbs	7,600 bales	8	Number of Farms	824
Pima cotton	1/				Total land in farms	1,260,021
Durum wheat	1/				Harvested Cropland	50,363
Other wheat	1/				Average farm size	1,529
Barley	3,100	5,320 lbs	8,250 tons	3	Market value of:	
Corn for grain	15,100	10,640 lbs	80,330 tons	1	All farm products (1,000 Dollars)	\$60,154
Alfalfa hay	4,200	7.5 tons	31,500 tons	6	All crops (1,000 Dollars)	\$41,054
Other hay	1,200	3.0 tons	3,600 tons	6	All livestock (1,000 Dollars)	\$19,101
Potatoes	1/				Cattle Inventory	69,950
Principal vegetables	2,300	234 cwt	538,000 cwt	5	Sheep Inventory	1/
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	70,000			4		
Sheep 2/	3,000			6		
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	48,328			5		
Livestock (1,000 Dollars)	52,802			5		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

2/ Tied with Navajo County.

Coconino County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	1/				Number of Farms	199
Pima cotton	1/				Total land in farms	6,209,424
Durum wheat	1/				Harvested Cropland	1,219
Other wheat	1/				Average farm size	31,203
Barley	1/				Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$10,687
Alfalfa hay	1/				All crops (1,000 Dollars)	\$401
Other hay	1/				All livestock (1,000 Dollars)	\$10,286
Potatoes	1/				Cattle Inventory	49,247
Principal vegetables	1/				Sheep Inventory	1/
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	45,000			7		
Sheep	7,000			5		
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	1,743			12		
Livestock (1,000 Dollars)	32,893			7		

Gila County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	1/				Number of Farms	148
Pima cotton	1/				Total land in farms	1/
Durum wheat	1/				Harvested Cropland	318
Other wheat	1/				Average farm size	1/
Barley	1/				Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$2,927
Alfalfa hay	1/				All crops (1,000 Dollars)	\$75
Other hay	1/				All livestock (1,000 Dollars)	\$2,851
Potatoes	1/				Cattle Inventory	18,963
Principal vegetables	1/				Sheep Inventory	17
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	18,000			12		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	817			14		
Livestock (1,000 Dollars)	11,595			12		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

Graham County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	15,300	1,227 lbs	39,100 tons	4	Number of Farms	281
Pima cotton	3,600	1,013 lbs	7,600 tons	1	Total land in farms	1,244,760
Durum wheat	1/				Harvested Cropland	38,972
Other wheat	1/				Average farm size	4,430
Barley	2,000	6,180 lbs	6,180 tons	4	Market value of:	
Corn for grain	3,900	9,180 lbs	17,900 tons	3	All farm products (1,000 Dollars)	\$56,005
Alfalfa hay	1/				All crops (1,000 Dollars)	\$50,430
Other hay	1/				All livestock (1,000 Dollars)	\$5,575
Potatoes	1/				Cattle Inventory	25,165
Principal vegetables	1/				Sheep Inventory	74
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	27,000			10		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	24,128			6		
Livestock (1,000 Dollars)	15,906			11		

Greenlee County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	1,000	864 lbs	1,800 bales	9	Number of Farms	99
Pima cotton	1/				Total land in farms	29,406
Durum wheat	1/				Harvested Cropland	3,149
Other wheat	1/				Average farm size	297
Barley	900	5,280 lbs	2,380 tons	7	Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$4,744
Alfalfa hay	1/				All crops (1,000 Dollars)	\$1,445
Other hay	1/				All livestock (1,000 Dollars)	\$3,299
Potatoes	1/				Cattle Inventory	10,549
Principal vegetables	1/				Sheep Inventory	233
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	12,000			14		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	3,864			9		
Livestock (1,000 Dollars)	8,511			14		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

La Paz County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	15,200	1,203 lbs	38,100 tons	5	Number of Farms	97
Pima cotton	1/				Total land in farms	278,854
Durum wheat	11,100	6,200 lbs	34,410 tons	4	Harvested Cropland	100,835
Other wheat	1,500	5,940 lbs	4,460 tons	3	Average farm size	2,875
Barley	1/				Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$94,665
Alfalfa hay	63,200	8.5 tons	537,200 tons	1	All crops (1,000 Dollars)	\$93,888
Other hay	6,400	4.5 tons	28,800 tons	2	All livestock (1,000 Dollars)	\$777
Potatoes	1/				Cattle Inventory	1/
Principal vegetables	7,700	244 cwt	1,876,000 cwt	3	Sheep Inventory	1/
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	3,000			15		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	58,827			4		
Livestock (1,000 Dollars)	2,894			15		

Maricopa County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	79,800	1,214 lbs	201,800 bales	2	Number of Farms	1,643
Pima cotton	4,000	804 lbs	6,700 bales	2	Total land in farms	708,656
Durum wheat	40,700	6,430 lbs	130,850 tons	2	Harvested Cropland	296,150
Other wheat	3,000	5,390 lbs	8,090 tons	1	Average farm size	431
Barley	20,000	5,070 lbs	50,710 tons	2	Market value of:	
Corn for grain	1,300	8,570 lbs	5,570 tons	5	All farm products (1,000 Dollars)	\$664,057
Alfalfa hay	59,000	8.0 tons	472,000 tons	2	All crops (1,000 Dollars)	\$382,451
Other hay	6,700	4.0 tons	26,800 tons	3	All livestock (1,000 Dollars)	\$281,606
Potatoes	4,800	284 cwt	1,363,000 cwt	1	Cattle Inventory	170,174
Principal vegetables	19,850	227 cwt	4,509,000 cwt	2	Sheep Inventory	7,178
Grapes	2,090			2/		
Citrus	14,500	270 boxes	3,917,000 boxes	2		
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	170,000			2		
Sheep	22,000			3		
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	405,466			2		
Livestock (1,000 Dollars)	366,909			1		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

2/ Production by county not available.

Mohave County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	5,000	826 lbs	8,600 bales	7	Number of Farms	212
Pima cotton	1/				Total land in farms	997,171
Durum wheat	1/				Harvested Cropland	12,060
Other wheat	1/				Average farm size	4,704
Barley	1/				Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$14,983
Alfalfa hay	5,600	8.0 tons	44,800 tons	5	All crops (1,000 Dollars)	\$8,165
Other hay	1,900	4.0 tons	7,600 tons	4	All livestock (1,000 Dollars)	\$6,818
Potatoes	1/				Cattle Inventory	26,436
Principal vegetables	1/				Sheep Inventory	1/
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	25,000			11		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	10,950			8		
Livestock (1,000 Dollars)	19,389			10		

Navajo County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	1/				Number of Farms	310
Pima cotton	1/				Total land in farms	3,902,552
Durum wheat	1/				Harvested Cropland	5,070
Other wheat	1/				Average farm size	12,589
Barley	1/				Market value of:	
Corn for grain					All farm products (1,000 Dollars)	\$25,697
Alfalfa hay	1/				All crops (1,000 Dollars)	\$1,047
Other hay	1/				All livestock (1,000 Dollars)	\$24,650
Potatoes	1/				Cattle Inventory	30,069
Principal vegetables	1/				Sheep Inventory	12,896
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	30,000			9		
Sheep 2/	3,000			6		
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	1,766			11		
Livestock (1,000 Dollars)	65,682			4		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

2/ Tied with Cochise County.

Pima County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	11,400	1,044 lbs	24,800 bales	6	Number of Farms	419
Pima cotton	1/				Total land in farms	2,913,607
Durum wheat	1/				Harvested Cropland	27,579
Other wheat	1/				Average farm size	6,954
Barley	1,200	5,300 lbs	3,180 tons	6	Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$46,861
Alfalfa hay	1/				All crops (1,000 Dollars)	\$37,751
Other hay	1/				All livestock (1,000 Dollars)	\$9,111
Potatoes	1/				Cattle Inventory	39,038
Principal vegetables	800	190 cwt	152,000 cwt	6	Sheep Inventory	512
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	45,000			6		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	22,814			7		
Livestock (1,000 Dollars)	30,135			8		

Pinal County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	95,400	1,222 lbs	242,900 bales	1	Number of Farms	541
Pima cotton	3,400	805 lbs	5,700 bales	3	Total land in farms	1,303,431
Durum wheat	43,800	5,660 lbs	123,950 tons	3	Harvested Cropland	226,588
Other wheat	1,100	5,280 lbs	2,900 tons	4	Average farm size	2,409
Barley	25,700	5360 lbs	68,880 tons	1	Market value of:	
Corn for grain	3,400	8,400 lbs	14,280 tons	4	All farm products (1,000 Dollars)	\$363,479
Alfalfa hay	24,800	8.0 tons	198,400 tons	4	All crops (1,000 Dollars)	\$190,214
Other hay	2,500	3.0 tons	7,500 tons	5	All livestock (1,000 Dollars)	\$173,265
Potatoes	3,300	279 cwt	921,000 cwt	2	Cattle Inventory	174,147
Principal vegetables	2,550	290 cwt	739,000 cwt	4	Sheep Inventory	10,761
Grapes	760		2/			
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	174,000			1		
Sheep	13,000			4		
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	177,000			3		
Livestock (1,000 Dollars)	124,976			2		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

2/ Production by county not available.

Santa Cruz County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	1/				Number of Farms	156
Pima cotton	1/				Total land in farms	265,285
Durum wheat	1/				Harvested Cropland	612
Other wheat	1/				Average farm size	1,701
Barley	1/				Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$3,706
Alfalfa hay	1/				All crops (1,000 Dollars)	1/
Other hay	1/				All livestock (1,000 Dollars)	1/
Potatoes	1/				Cattle Inventory	14,803
Principal vegetables	1/				Sheep Inventory	88
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	12,000			13		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	1,156			13		
Livestock (1,000 Dollars)	11,026			13		

Yavapai County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	1/				Number of Farms	453
Pima cotton	1/				Total land in farms	771,632
Durum wheat	1/				Harvested Cropland	4,517
Other wheat	1/				Average farm size	1,703
Barley	1/				Market value of:	
Corn for grain	1/				All farm products (1,000 Dollars)	\$26,648
Alfalfa hay	1/				All crops (1,000 Dollars)	\$2,252
Other hay	1/				All livestock (1,000 Dollars)	\$24,396
Potatoes	1/				Cattle Inventory	68,257
Principal vegetables	1/				Sheep Inventory	354
Grapes	1/					
Citrus	1/					
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	63,000			5		
Sheep	1/					
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	2,701			10		
Livestock (1,000 Dollars)	47,007			6		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

Yuma County

<u>1998 Crops</u>	<u>Acres Harv</u>	<u>Yield</u>	<u>Production</u>	<u>Rank</u>	<u>1997 Census</u>	
Upland cotton	20,300	977 lbs	41,300 bales	3	Number of Farms	465
Pima cotton	3,800	771 lbs	4,500 bales	4	Total land in farms	237,742
Durum wheat	41,300	6,980 lbs	144,140 tons	1	Harvested Cropland	195,416
Other wheat	2,000	5,670 lbs	5,670 tons	2	Average farm size	511
Barley	2,200	5,300 lbs	5,830 tons	5	Market value of:	
Corn for grain	4,600	9,520 lbs	21,900 tons	2	All farm products (1,000 Dollars)	\$522,063
Alfalfa hay	31,000	7.7 tons	238,700 tons	3	All crops (1,000 Dollars)	1/
Other hay	17,900	3.0 tons	53,700 tons	1	All livestock (1,000 Dollars)	1/
Potatoes	1/				Cattle Inventory	1/
Principal vegetables	34,900	251 cwt	8,774,000 cwt	1	Sheep Inventory	42,549
Grapes	1,150		2/			
Citrus	17,300	352 boxes	6,083,000 boxes	1		
<u>1999 Livestock</u>	<u>Inventory</u>			<u>Rank</u>		
Cattle	84,000			3		
Sheep	35,000			2		
<u>1997 Cash Receipts</u>						
Crops (1,000 Dollars)	496,722			1		
Livestock (1,000 Dollars)	70,351			3		

1/ Estimates too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

2/ Production by county not available.

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	1994	1995	1996	1997	1998
	-----Percent-----				
Acala 1517-88	0.50	1.70	1.80		
Acala 1517-91	0.50			0.19	0.82
Acala 1517-95				1.44	
Cargill Paymaster HS 26	0.60				
Chembred CB 407		0.10	0.10		
Deltapine 20	3.60	2.40	2.40		
Deltapine 20 B					1.27
Deltapine NUCOTN 33B				49.77	44.04
Deltapine NUCOTN 35B				12.72	3.72
Deltapine 41	1.00				
Deltapine 50	4.70	4.40	4.60	2.86	2.28
Deltapine 51	1.80	1.20	1.20		
Deltapine Acala 90	8.20	4.10	3.90	3.09	1.43
Deltapine DP 90 B				1.38	2.95
Deltapine DP 90 RR					3.46
Deltapine DP 5409		5.30	5.00		
Deltapine DP 5415	55.00	60.90	61.30	9.05	6.76
Deltapine DP 5461	1.70	1.30	1.30		
Deltapine DP 5690		2.20	2.20		4.73
Deltapine DP 5816	3.60	0.10	0.10		
Deltapine Suregrow DES-119	1.20		0.10		
Hyperformer 44			0.30		
Hyperformer HS 46	1.10	1.80	1.70		
Stoneville 324	1.10				
Stoneville 453		0.40	0.40		
Stoneville 474		1.90	1.70	1.18	
Stoneville KC 311	0.50	0.40	0.50		
Stoneville LA 887	0.80	0.50	0.50		
Suregrow 125		1.10	1.10	5.34	8.91
Suregrow 248				1.35	
Suregrow 404			0.30		
Suregrow 501	2.40	1.40	1.40		
Suregrow 1001	1.00		8.10		
Terra C-40					
All Other 1/	10.70	8.80	8.10	11.61	19.80

1/ Includes all varieties accounting for less than 0.5 percent and all varieties not listed. Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division.

Pima Cotton: Estimated Percentage Planted to Specified Varieties

Variety	1994 1/	1995 1/	1996 1/	1997	1998
	-----Percent-----				
Pima S-6				21.36	6.82
Pima S-7				30.99	36.84
White Pima				20.42	24.21
White Pima HTO				4.32	29.77
All Other 2/					2.37

1/ Not available.

2/ Includes all varieties accounting for less than 0.5 percent and all varieties not listed. Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division.

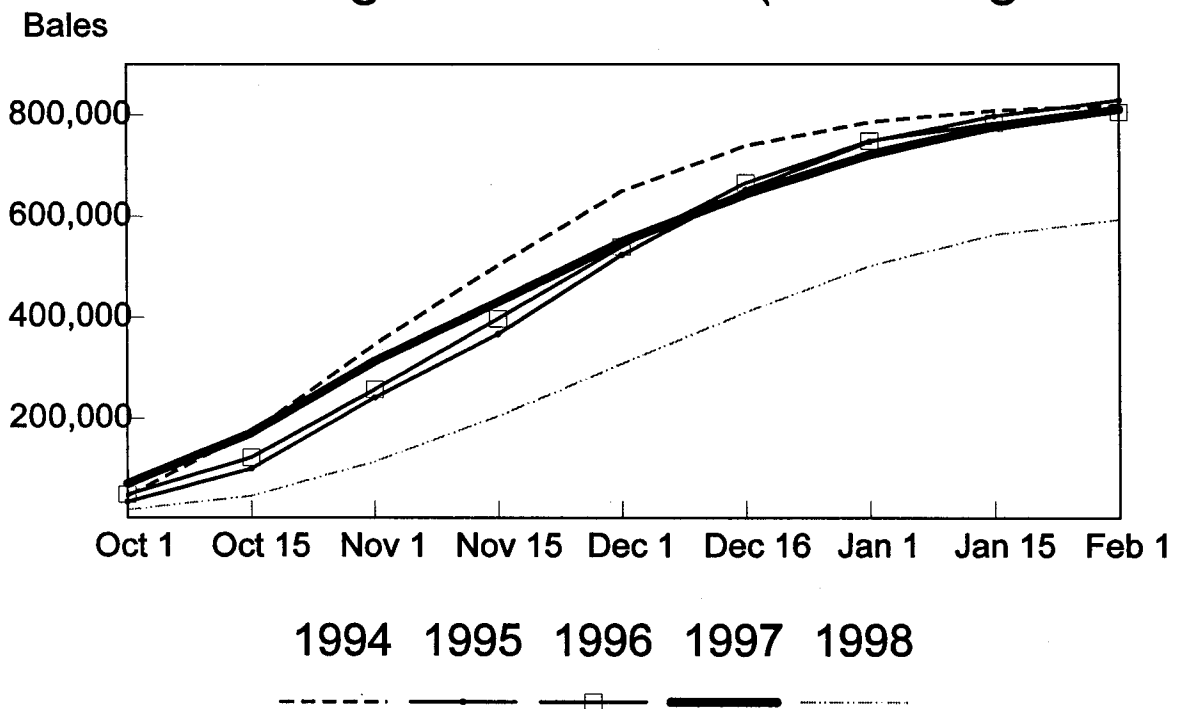
Cotton Progress

Survey Week	1994	1995	1996	1997	1998
	-----Percent of Acreage-----				
<u>Planted:</u>					
March 30	27	18	25	24	12
April 10	45	38	35	39	18
April 20	74	62	74	63	34
April 30	88	84	87	82	65
May 10	96	95	92	94	89
May 20	99	97	97	98	96
May 30	100	100	99	100	99
June 10			100		100
<u>Squaring:</u>					
June 10	77	56	61	65	27
June 20	93	71	78	80	56
June 30	99	87	95	91	78
July 10	100	98	97	97	89
July 20		100	100	100	98
July 30					100
<u>Setting Bolls:</u>					
June 20	29	18	27	28	3
June 30	55	32	60	49	12
July 10	77	49	68	68	21
July 20	92	68	82	95	38
July 30	99	82	95	99	97
August 10	100	98	100	100	100
August 20		100			
<u>Open Bolls:</u>					
August 10	43	24	42	25	3
August 20	65	44	55	47	17
August 30	83	86	78	66	38
September 10	93	95	96	91	73
September 20	98	98	100	98	90
September 30	100	100		100	94
October 10					97
October 20					100
<u>Harvested:</u>					
September 30	24	12	17	26	6
October 10	41	21	23	36	16
October 20	67	30	35	47	30
October 30	81	50	48	61	50
November 10	92	70	63	75	65
November 20	96	79	76	85	78
November 30	99	89	81	91	83
December 10	99	94	90	93	86
December 20	100	99	96	95	94
December 30		100	98	96	96
January 10			100	99	99
January 20				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-----			
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	803,100	824,250	847,000	1997	41,200	42,350	40,600
1998	575,350	591,400	591,450	1998	25,400	26,750	25,350

Arizona All Cotton Ginnings Running Bales Ginned (Excluding Linters)



Pesticide Use by Type 1/

Pesticide Type	1996	1997	1998	Pesticide Type	1996	1997	1998
--1,000 Lbs technical material--				--1,000 Lbs technical material--			
<u>Insecticides:</u>				<u>Herbicides: (Continued)</u>			
Acephate	287	290	213	Cyanazine	19	21	17
Aldicarb	28	27	23	DCPA	28	17	20
Amitraz	22	2	1	Diclofop-Methyl	8	7	8
Azinphos-Methyl	5	4	1.4	Diuron	7	3	9
Carbaryl	4	6	2.5	EPTC	38	39	60
Carbofuron	16	12	10	Glyphosate	8	21	34
Chlorpyrifos	404	321	214	MCPA	14	10	17
Clethodim	6	2/	2	MSMA	8	4	5
Cypermethrin	5	7	7	Pendimethalin	36	43	43
Diazinon	12	13	12	Prometryn	56	47	38
Dicofol	6	9	15	Pronamide	23	25	29
Dimethoate	94	114	78	Trifluralin	112	107	124
Disulfoton	31	26	15	<u>Fungicides and Bactericides:</u>			
Endosulfan	229	183	212	Fosetyl-Aluminum	11	38	65
Fenpropathrin	7	7	6	Mancozeb	11	15	11
Formetanate	13	9	12	Maneb	60	66	108
Imidacloprid	7	4	6	Metalaxyl	4	2/	2/
Lambda-Cyhalothrin	7	6	5	PCNB	6	2/	4
Malathion	81	95	101	Vinclozolin	4	9	13
Methamidophos	10	8	14	<u>Defoliants, Desiccants, and</u>			
Methidathion	54	10	1	Cacodylic Acid	10	11	12
Methomyl	141	149	95	Ethephon	20	29	27
Methyl Parathion	189	87	20	Mepiquat Chloride	3	3	5
Oxamyl	70	90	56	Paraquat	10	20	16
Permethrin	26	42	20	Sodium Chlorate	558	494	437
Profenofos	42	29	15	Tribufos	83	81	52
Sulfur	183	202	161	<u>Fumigants:</u>			
Thiodicarb	16	6	4	Dichloropropene	904	841	883
<u>Herbicides:</u>				Metam Sodium	171	341	299
Benefin	25	25	29				
Bensulide	36	52	79				
Bromoxynil	6	7	8				

1/ Data is from L1080 forms which are only required for professional applicators and for chemicals on the Arizona ground water list.

2/ Less than 1,000 pounds.

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 of the 1990's.

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 1996 on lettuce grown in Arizona.

Lettuce: Agricultural Chemical Applications, 1996

Active Ingredient	-----Head Lettuce-----					-----Other Lettuce-----				
	Area applied	Applications	Rate per application	Rate per crop year	Total applied	Area applied	Applications	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
Herbicides:										
Benefin	19	1.2	1.200	1.42	16.0	1/				
Bensulide	16	1.0	4.020	4.20	39.2	1/				
Bromoxynil	1/									
DCPA	1/					1/				
EPTC	1/									
Pronamide	40	1.4	1.350	1.95	46.9	28	1.3	0.98	1.25	4.0
Sethoxydim	1/					1/				
Trifluralin	1/									
Insecticides:										
Abamectin	11	1.9	0.009	0.02	0.1	1/				
Acephate	28	1.8	0.900	1.63	26.9	1/				
Azadirachtin	1/					1/				
Bt (Bacillus)	75	1.8				35	1.8			
Carbaryl	1/									
Chlorfenapyr	1/									
Chlorpyrifos	1/									
Cypermethrin	49	2.2	0.090	0.20	5.7	1/				
Cyromazine	1/									
Diazinon	17	1.1	0.610	0.69	7.1	1/				
Dimethoate	43	2.4	0.240	0.57	14.5	46	2.0	0.25	0.50	2.7
Disulfoton	1/					1/				
Endosulfan	37	1.8	0.790	1.42	31.2	37	1.6	0.84	1.34	5.8
Esfenvalerate	1/					1/				
Ethoprop	1/									
Imidacloprid	21	1.0	0.260	0.28	3.5	15	1.4	0.17	0.25	0.5
Lambda-cyhalothrin	8	1.3	0.030	0.04	0.2	1/				
Methamidophos	1/									
Methomyl	90	4.2	0.680	2.85	152.0	86	2.7	0.67	1.83	18.4
Mevinphos	1/					1/				
Oxydemeton-	1/									
Permethrin	79	2.2	0.170	0.38	17.6	88	3.1	0.18	0.55	5.7
Piperonyl butoxide										
Potassium salts	1/									
Pyrethrins	1/					1/				
Rotenone	1/					1/				
Thiodicarb	33	1.3	0.620	0.81	15.8	12	1.4	0.68	0.97	1.4
Zeta-cypermethrin	73	2.4	0.050	0.11	4.6	1/				
Fungicides:										
Fosetyl-al	7	1.6	1.500	2.40	9.5	1/				
Iprodione	9	1.1	0.780	0.83	4.2	1/				
Mancozeb	1/					1/				
Maneb	36	1.8	0.980	1.77	37.5	44	2.0	1.02	2.04	10.5
Metalaxyl	5	1.7	0.140	0.23	0.7	1/				
Sulfur	1/									
Vinclozolin	42	1.5	0.770	1.19	29.4	1/				

1/ Insufficient reports to publish data.

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

Weather Effects on Arizona Agriculture in 1998

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 126 degrees at Bullhead City on July 16. Flagstaff recorded the lowest temperature of -14 degrees on December 7. By the end of the year, Oak Creek Canyon had received 39.89 inches of rain while Tacna had received 2.53 inches. In general, temperatures were below normal in February, April, May, and June.

The first quarter of 1998 started with below average precipitation in most areas of the state in January but it quickly rebounded in February and March with above average precipitation. Oak Creek Canyon received the highest precipitation of the quarter with 8.70 inches. At the other extreme, Lukachukai and Teec Nos Pos received no precipitation.

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 early February. Cotton planting commenced in western areas in January with central areas planting in March. The below average temperatures delayed planting conditions through March resulting in 1998 being the latest cotton crop on record. Cotton planting didn't finish until early June.

Dry range conditions across the state weren't alleviated by El Niño until mid March. Cattle were reported to be in fair condition, while grazing and range and pasture conditions were poor to good.

April precipitation continued to bring relief to range conditions. Rains in April slowed cotton planting and alfalfa harvest, but the small grains crop continued to progress. Temperatures averaged below normal throughout April, 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 late July, but resulted in little rainfall early on in the central and western deserts with most areas receiving below normal rainfall. Arivica and Colorado City were two exceptions receiving 8.11 inches (3.63 inches above normal) and 8.04 inches (7.08 inches above normal), respectively. Temperatures in July were generally above average. August temperatures were almost entirely above average. Temperatures generally remained above average throughout the state during September.

The small grain crop harvest was completed in early July while Yuma began its cotton harvest. Grazing areas were in generally good condition. Cotton condition was still good but progress was behind normal.

The fourth quarter brought mixed temperatures throughout the state with the north and southwest being cooler than normal but the central and southeast being warmer than normal. December reflected dramatic fluctuations. Temperatures dropped to 12 degrees below normal at Grand Canyon in mid-December but were 6 degrees above normal the next week. Coolidge was 11 degrees above normal that same week. This pattern continued throughout the state in December. Most of the state was warmer than average in both November and December. October was wetter than normal in the north but the rest of the state received below average precipitation. Almost the entire state received below average precipitation in November and December.

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. The late planting and sporadic rains hindered cotton harvesting somewhat with harvest continuing through 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: 1998 and Long Term Average 1/

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec 2/	Average
	-----Degrees Fahrenheit-----												
District 2: Canyon de Chelly	36.4 30.2	36.4 36.9	44.4 43.5	49.0 51.1	61.2 59.8	68.9 69.2	78.2 69.2	M 75.2	69.8 65.6	54.4 53.7	43.6 41.8	33.9 31.5	M 52.3
Flagstaff	31.4 28.7	27.2 31.5	33.7 35.3	37.2 42.3	46.8 50.4	55.0 59.8	66.2 66.3	64.9 64.1	57.3 57.3	44.6 47.2	37.1 36.8	31.1 29.6	44.4 45.8
Grand Canyon 2/	M	M	M	M	M	M	M	M	M	48.2	37.6	30.1	M
Winslow	37.5 31.9	38.7 39.0	45.3 45.5	49.0 53.3	60.4 62.3	69.4 72.2	78.5 78.2	77.7 75.7	70.1 68.2	55.1 56.2	45.5 43.9	35.4 33.1	55.2 55.0
District 3: Prescott	M 36.2	37.2 39.1	44.1 42.7	46.9 49.3	56.3 57.6	64.6 67.2	75.3 73.1	73.9 70.4	66.2 64.5	54.2 54.7	46.4 44.0	38.7 36.6	M 53.0
District 4: Payson	41.8 39.0	38.0 41.9	45.6 45.6	48.3 52.3	57.7 60.1	66.5 69.4	77.1 75.5	76.4 73.3	69.0 66.8	57.2 57.2	47.3 46.2	41.1 39.2	55.5 55.5
District 5: Parker	55.2 53.3	55.4 58.4	62.8 63.4	67.5 70.7	74.8 79.3	83.5 88.2	94.6 94.2	95.6 92.8	85.7 86.2	72.4 74.8	61.1 62.0	54.1 53.4	71.9 73.1
Yuma	56.2 55.1	56.8 57.0	61.8 61.7	65.5 67.9	73.4 75.2	81.1 83.7	93.1 90.3	93.9 89.5	86.1 83.8	72.5 72.9	M 60.9	M 53.4	M 71.0
District 6: Casa Grande	54.6 51.4	52.5 55.5	59.5 60.3	64.2 67.6	73.5 76.4	83.3 85.6	91.5 91.0	92.0 88.6	86.5 82.6	72.4 71.6	60.3 59.3	53.7 51.5	70.3 70.1
Gila Bend	56.3 54.1	55.4 58.4	62.1 63.2	66.0 70.6	75.0 79.1	84.1 88.1	95.0 94.4	94.9 92.5	87.7 86.6	72.8 75.2	61.7 62.9	53.6 54.7	72.1 73.3
Phoenix	56.6 53.6	54.1 57.7	61.9 62.2	66.7 69.9	76.2 78.8	85.4 88.2	94.5 93.5	94.7 91.5	87.9 85.6	74.1 74.5	62.7 61.9	54.4 54.1	72.4 72.6
District 7: Douglas	46.8 44.8	45.8 48.1	53.0 52.9	57.2 59.9	68.0 67.6	76.3 76.7	80.1 78.8	80.1 76.8	77.9 72.7	66.5 63.1	54.8 52.3	47.2 45.4	62.8 61.6
Safford	45.9 43.7	46.6 48.1	52.5 53.5	58.2 60.9	70.2 69.4	77.5 78.8	84.9 83.0	83.3 80.7	79.2 75.0	66.8 64.3	54.2 52.4	45.8 44.2	63.8 62.8
Tucson	53.2 51.3	50.8 54.4	57.9 58.7	61.4 65.8	72.9 74.0	81.8 83.8	86.5 86.6	86.5 84.5	82.6 80.4	70.7 70.4	60.5 59.2	52.0 52.0	68.1 68.4
Willcox	45.4 42.8	44.9 46.0	51.6 50.9	55.6 57.5	66.2 65.2	73.5 74.3	81.0 79.2	80.0 76.7	75.6 71.2	62.8 60.7	52.6 49.8	44.8 43.0	61.2 59.8

1/ Top row 1998, 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: 1998 and Long-Term Average 1/

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec 2/	Total
	-----Inches-----												
<u>District 2:</u> Canyon de Chelly	0.46 0.72	1.35 0.60	1.03 0.74	0.63 0.52	0.00 0.53	0.00 0.27	0.80 1.31	0.50 1.37	0.57 0.93	2.57 1.05	0.99 0.85	0.36 0.74	9.26 9.63
Flagstaff	1.30 2.04	2.15 2.09	3.74 2.55	1.52 1.48	1.31 0.72	0.00 0.40	4.72 2.78	2.82 2.75	4.45 2.03	3.11 1.61	1.76 1.95	0.42 2.40	27.30 22.80
Grand Canyon 2/	M	M	M	M	M	M	M	M	M	2.53	0.93	0.49	M
Winslow	0.11 0.45	1.03 0.52	1.59 0.55	0.06 0.26	0.00 0.31	0.00 0.31	3.02 1.20	0.07 1.39	1.02 0.91	1.27 0.91	0.19 0.57	0.02 0.66	8.38 8.04
<u>District 3:</u> Prescott	M	3.12 1.54	3.17 1.82	1.24 0.81	0.45 0.55	0.00 0.46	5.66 3.20	4.24 3.43	2.08 2.00	1.09 1.12	1.05 1.54	0.60 1.63	M 19.63
<u>District 4:</u> Payson	0.50 2.01	5.82 1.91	3.76 2.36	2.35 1.07	0.50 0.55	0.00 0.35	2.71 2.64	3.15 3.23	2.15 2.13	1.95 1.72	1.50 1.85	1.27 2.26	25.66 22.08
<u>District 5:</u> Parker	0.45 0.60	3.17 0.44	0.40 0.50	0.17 0.17	0.00 0.06	0.00 0.02	0.05 0.30	0.71 0.54	1.76 0.50	0.11 0.37	0.31 0.45	0.10 0.55	7.23 4.50
Yuma	0.05 0.41	1.04 0.28	0.46 0.28	0.04 0.13	0.05 0.03	0.00 0.03	0.34 0.34	0.36 0.70	1.90 0.35	0.00 0.37	0.15 0.27	0.05 0.46	4.44 3.65
<u>District 6:</u> Casa Grande	0.07 0.73	3.81 0.69	1.73 0.88	0.25 0.27	0.00 0.13	0.00 0.13	0.95 0.88	1.40 1.98	0.20 0.86	0.00 0.77	0.00 0.76	0.11 1.17	8.52 9.25
Gila Bend	0.05 0.61	4.74 0.60	2.30 0.61	0.05 0.20	0.00 0.14	0.00 0.03	2.32 0.67	1.51 1.24	1.17 0.71	1.27 0.45	0.40 0.67	0.36 0.93	14.17 6.86
Phoenix	0.35 0.67	2.93 0.68	1.31 0.88	0.43 0.22	0.04 0.12	0.00 0.13	1.94 0.83	1.05 0.96	0.58 0.86	1.03 0.65	0.19 0.66	0.68 1.00	10.53 7.66
<u>District 7:</u> Douglas	0.08 0.73	1.49 0.52	1.17 0.40	0.13 0.21	0.00 0.20	0.01 0.47	2.96 3.41	1.51 2.98	0.14 1.77	0.98 1.09	0.61 0.60	0.28 1.04	9.36 13.42
Safford	0.09 0.68	1.54 0.65	1.08 0.52	0.09 0.21	0.00 0.18	0.00 0.26	1.42 1.73	1.63 1.57	0.33 1.36	0.56 1.00	0.40 0.56	0.51 0.96	7.65 9.68
Tucson	0.17 0.87	3.20 0.70	1.64 0.72	0.39 0.30	0.00 0.18	0.00 0.20	4.06 2.37	1.70 2.19	1.10 1.67	0.24 1.06	0.67 0.67	0.45 1.07	13.62 12.00
Willcox	0.22 0.94	2.74 0.72	1.24 0.57	0.16 0.26	0.00 0.22	1.03 0.30	2.81 2.67	0.81 2.71	0.17 1.47	0.25 1.16	0.35 0.61	0.51 1.29	10.29 12.92

1/ Top row 1998, 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

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

District and Station	----1994----		-----1995-----		-----1996-----		-----1997-----		-----1998 2/-----	
	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
<u>District 2:</u>										
Canyon de Chelly	Apr 27	Oct 16	May 7	Oct 6	May 1	Oct 18	Apr 15	2/		
Flagstaff	June 5	Sept 15	June 21	Sept 30	June 1	Sept 20	June 16	Sept 22		
Grand Canyon	May 22	Sept 14	June 19	Oct 1	May 31	Sept 18	May 3	2/		
Winslow	Apr 29	Oct 17	May 8	Oct 5	Apr 30	Oct 18	Apr 26	Oct 9		
<u>District 3:</u>										
Prescott	Apr 29	Oct 16	May 7	Oct 5	Apr 19	Oct 21	Apr 14	Oct 13		
<u>District 4:</u>										
Payson	May 21	Oct 17	May 9	Oct 6	Apr 21	Oct 22	Apr 15	Oct 12		
<u>District 5:</u>										
Parker	1/	1/	1/	1/	Jan 23	Dec 20	1/	Dec 27		
Yuma	1/	1/	1/	1/	Jan 24	1/	1/	Dec 25		
<u>District 6:</u>										
Casa Grande	Feb 6	Nov 22	Jan 19	Dec 23	Jan 25	2/	Feb 7	Dec 13		
Gila Bend	Feb 3	Nov 20	1/	Dec 21	Jan 26	Dec 4	Feb 7	Dec 13		
Phoenix	1/	1/	1/	1/	1/	1/	1/	1/		
<u>District 7:</u>										
Douglas	Apr 6	Nov 4	Apr 20	Nov 19	Apr 7	Oct 22	Apr 12	Oct 27		
Safford	Mar 28	Nov 5	Apr 20	Nov 23	Mar 30	Oct 22	Mar 4	Oct 25		
Tucson	Feb 1	Nov 20	Mar 26	Dec 23	Mar 2	Dec 1	Feb 22	Dec 11		
Willcox	Apr 28	Oct 17	Apr 23	Oct 25	Apr 20	Oct 22	Apr 25	Oct 18		

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 and 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
Total	11,252	14,253	9,323	20,212	11,997	5,923	72,960	72,636	324

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
Total	15	20	13	28	16	8

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	1992/93	1993/94	1994/95	1995/96	1996/97
Wheat and products	13.1	21.3	26.9	29.8	27.3
Cotton, including linters	84.2	124.0	145.9	133.7	112.8
Cottonseed and products	5.2	6.3	6.5	5.1	5.0
Fruits and preparations	46.9	53.3	54.2	54.6	39.5
Vegetables and preparations	49.5	45.7	71.7	64.1	63.0
Live animals and meat (excludes poultry)	34.8	38.7	46.0	51.1	44.0
Hides and skins	12.0	13.6	17.8	17.8	18.8
Fats, oils, and greases	4.6	4.7	8.2	7.0	5.6
Dairy products	10.6	10.9	10.8	10.9	16.1
Feeds and fodders	6.1	7.3	8.6	10.1	11.3
Seeds	12.1	13.4	16.1	17.9	21.1
Other 2/	5.4	6.6	7.5	6.9	5.4
Arizona	284.6	345.6	420.2	408.8	369.8
United States	42,879.2	43,959.5	54,725.1	59,890.5	57,365.1

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
General: Number of farms and ranches 1998	Number	TX 226,000	MO 110,000	IA 97,000	TN 91,000	KY 90,000	CA 89,000	OK 83,000	OH 80,000	MN 80,000	IL 79,000	40 7,900
Land in farms and ranches 1998	1,000 Acres	TX 131,500	MT 57,500	KS 47,500	NE 46,400	NM 45,300	SD 44,000	ND 39,500	WY 34,600	OK 34,000	IA 33,000	15 28,300
Cash receipts from farm marketings 1997	Million Dollars	CA 25,289	TX 13,461	IA 12,841	NE 10,092	IL 9,276	KS 9,001	NC 8,302	MN 8,155	FL 6,243	GA 5,887	31 2,145
Field Crops: Pima cotton production	1,000 Bales	CA 345	TX 50	AZ 24	NM 11							3 24
Upland cotton production	1,000 Bales	TX 3,500	GA 1,550	MS 1,450	AR 1,220	CA 1,150	NC 1,005	LA 645	AZ 580	AL 570	TN 545	8 580
Cottonseed production	1,000 Tons	TX 1,410	MS 567	CA 547	GA 526	AR 471	NC 349	LA 240	AZ 225	TN 215	AL 196	8 225
Durum wheat production	1,000 Tons	ND 2,921	CA 473	AZ 454	MT 361	SD 19	MN 6					3 454
Winter wheat production	1,000 Tons	KS 14,847	OK 5,967	TX 4,095	WA 4,095	CO 2,984	NE 2,484	OH 2,227	ID 1,894	SD 1,832	IL 1,728	39 22
Corn for grain production	1,000 Tons	IA 49,532	IL 41,257	NE 34,713	MN 28,917	IN 21,290	OH 13,186	SD 12,027	KS 11,731	WI 11,316	MO 7,980	37 147
Barley production	1,000 Tons	ND 2,548	ID 1,423	MT 1,382	WA 811	MN 548	CO 226	OR 193	CA 180	WY 175	UT 169	11 148
Alfalfa hay production	1,000 Tons	CA 6,630	SD 5,760	MN 5,580	WI 5,320	NE 5,250	ID 4,859	KS 4,600	IA 4,500	MT 3,740	CO 3,402	20 1,600
Other hay production	1,000 Tons	TX 6,240	MO 6,240	KY 4,830	TN 3,850	KS 3,420	OK 2,470	NE 2,430	SD 2,400	VA 2,280	AR 2,185	44 140
Potatoes production	1,000 Cwt	ID 139,650	WA 93,225	WI 30,895	ND 28,670	CO 28,230	OR 26,229	MN 21,170	ME 18,060	MI 14,725	CA 13,703	20 2,284
Principal field crops harvested acreage	1,000 Acres	IA 24,688	IL 23,552	KS 22,143	ND 20,131	MN 19,990	NE 18,565	TX 16,814	SD 16,113	MO 13,330	IN 12,696	38 769
Fruits: Lemons production	1,000 Cartons	CA 44,000	AZ 5,200									2 5,200
Oranges production	1,000 Cartons	FL 488,000	CA 148,000	TX 3,050	AZ 2,000							4 2,000
Grapefruit production	1,000 Cartons	FL 99,100	CA 18,000	TX 9,600	AZ 1,600							4 1,600
Tangerines production	1,000 Cartons	FL 10,400	CA 4,800	AZ 1,200								3 1,200
Grapes Utilized production	1,000 Tons	CA 5,065	WA 222	NY 125	MI 71	PA 54	AZ 23	OR 15	OH 6	AR 4	GA 3	6 23
Apples Utilized production	Million Pounds	WA 5,900	NY 1,010	MI 930	CA 800	PA 404	VA 268	OR 180	NC 160	ID 140	WV 95	17 42

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	Arizona's Rank
Vegetables:												
Head lettuce production	1,000 Cwt	CA 44,730	AZ 18,577	CO 864	NM 740	NJ 260	WA 189	NY 165				2 18,577
Leaf lettuce production	1,000 Cwt	CA 9,030	AZ 1,890	OH 124	FL 44							2 1,890
Romaine lettuce production	1,000 Cwt	CA 8,120	AZ 3,038	FL 225	OH 117							2 3,038
Cauliflower production	1,000 Cwt	CA 6,000	AZ 819	NY 273	MI 75							2 819
Broccoli production	1,000 Cwt	CA 16,940	AZ 1,375	TX 83								2 1,375
Spring onions production	1,000 Cwt	CA 2,992	TX 2,907	GA 2,224	AZ 1,175							4 1,175
Carrots production	1,000 Cwt	CA 29,843	MI 1,650	CO 1,600	WA 1,140	TX 980	FL 700	AZ 625	MN 204	NY 150		7 625
Cantaloupe production	1,000 Cwt	CA 13,860	AZ 4,625	TX 2,100	IN 624	GA 600	CO 304	MI 143	MD 132	PA 125	OH 113	2 4,625
Honeydews production	1,000 Cwt	CA 3,895	AZ 780	TX 437								2 780
Watermelons production	1,000 Cwt	FL 7,200	CA 6,760	TX 6,528	GA 5,060	AZ 2,190	IN 1,829	NC 1,440	SC 1,320	MO 1,152	DE 798	5 2,190
Principal vegetables harvested acres	1,000 Acres	CA 825,100	FL 193,550	AZ 121,000	GA 97,900	TX 91,800	NY 68,700	MI 56,950	WA 48,450	NC 44,800	CO 35,700	3 121,000
Livestock:												
All cattle and calves January 1, 1999	1,000 Head	TX 14,000	NE 6,650	KS 6,550	OK 5,200	CA 5,000	MO 4,400	SD 3,850	IA 3,650	WI 3,400	CO 3,150	36 810
Cattle on feed January 1, 1999	1,000 Head	TX 2,860	KS 2,370	NE 2,300	CO 1,140	IA 1,000	OK 435	CA 400	SD 310	ID 295	MN 265	12 245
Calf crop 1998	1,000 Head	TX 5,250	MO 2,070	CA 1,900	OK 1,840	NE 1,820	SD 1,700	MT 1,500	WI 1,460	KS 1,450	KY 1,160	36 285
Cows that have calved January 1, 1999	1,000 Head	TX 5,870	CA 2,240	MO 2,230	NE 2,010	OK 1,950	SD 1,760	KS 1,590	WI 1,560	MT 1,550	KY 1,240	36 350
All sheep and lambs January 1, 1999	1,000 Head	TX 1,350	CA 810	WY 660	CO 440	SD 420	UT 400	MT 380	NM 275	ID 265	IA 260	13 140
Angora goats January 1, 1999	1,000 Head	TX 550	AZ 38	NM 38	OK 5							2 38
Hogs and pigs December 1, 1998	1,000 Head	IA 15,300	NC 9,700	MN 5,700	IL 4,850	IN 4,050	NE 3,400	MO 3,300	OK 1,920	OH 1,700	KS 1,590	30 115
Honey production total produced	1,000 Pounds	CA 37,350	ND 29,440	FL 22,540	SD 21,375	MT 14,030	MN 11,060	WI 8,099	TX 7,007	MI 6,800	ID 6,000	17 3,300
Milk production total produced	Million Pounds	CA 27,607	WI 22,842	NY 11,740	PA 10,847	MN 9,275	ID 5,765	TX 5,605	MI 5,391	WA 5,326	OH 4,390	14 2,680

State Statistical Offices

To request order forms for other state statistical reports write or call: (State) Agricultural Statistics Service.

ALABAMA

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ALASKA

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