

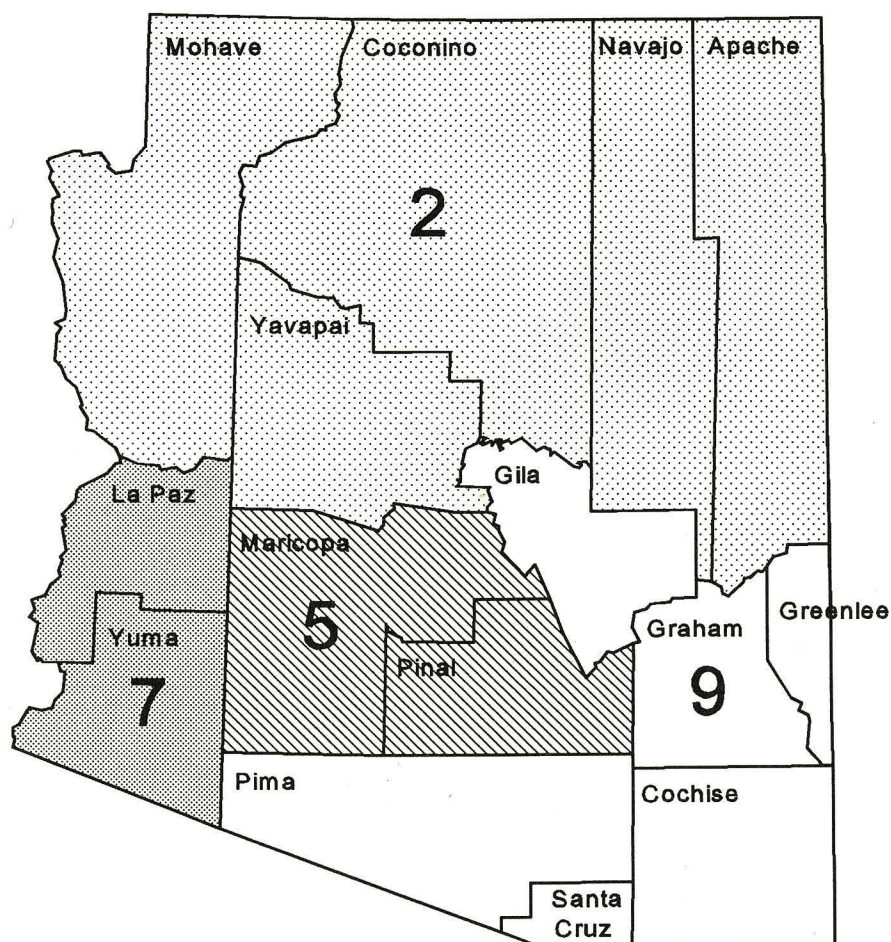
1997 ARIZONA AGRICULTURAL STATISTICS



Issued July 1998

1997 ARIZONA AGRICULTURAL STATISTICS

ARIZONA COUNTIES AND CROP REPORTING DISTRICTS



The cover photograph:

Rose fields at Agua Fria Farms. Agua Fria Farms is located in Maricopa County.

Photo courtesy of C. Jervis.



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PREFACE

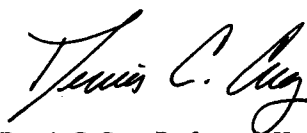
The need for accurate information increases with uncertainty, and Arizona agriculture certainly faces its share of incertitude. Over the past season, the industry has experienced several events, both positive and negative, which will help redefine Arizona agriculture for the near future. Among these events were unusual weather patterns, falling cotton prices, the rebound of cattle prices as the cattle cycle turned the corner, improved control of the whitefly, declining income from farm support programs, and a national debate over milk prices. Even economic events in the far corners of the world have an impact on the state's agriculture. Much of what we produce is exported and economies in crisis have limited funds to buy our products.

As Arizona producers struggle with these issues we trust that the information contained in the thirty-third issue of **Arizona Agricultural Statistics** will be useful. This edition of our annual publication continues a long-standing joint effort of The University of Arizona College of Agriculture and the Arizona Agricultural Statistics Service. The sources of the information contained in this issue are wide and varied. We would like to acknowledge the voluntary support of the state's agribusinesses, farmers, and ranchers, all of whom supply most of the information compiled in this publication. We also would like to recognize the Arizona Department of Agriculture, farm organizations, and grower associations for their support.

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



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CASH RECEIPTS

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

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

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS AND GOVERNMENT PAYMENTS: Arizona, 1993-97

Commodity Group	1993	1994	1995	1996	1997
1,000 dollars					
Cotton lint	253,591	308,085	265,130	298,344	292,749
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	18,862
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	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
Cantaloupes	48,838	43,877	61,104	84,677	100,378
Watermelons	14,930	11,805	20,520	15,444	18,065
Miscellaneous vegetables	27,355	46,837	41,540	61,927	75,168
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	12,432
Grapes	18,066	24,430	23,314	20,063	19,666
Miscellaneous fruits and nuts	28,176	27,503	26,147	18,399	33,941
All other crops 1/	100,511	107,722	105,539	123,671	132,391
TOTAL ALL CROPS	1,032,613	1,049,720	1,346,775	1,305,852	1,303,107
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	3,711	3,355	3,763	3,797	3,050
Honey	2,202	1,414	2,670	1,632	1,843
Wool	533	517	589	458	447
Miscellaneous livestock and products	42,597	41,071	48,621	48,752	47,989
TOTAL ALL LIVESTOCK AND PRODUCTS	918,321	804,343	810,226	839,517	888,412
TOTAL ALL COMMODITIES	1,950,934	1,854,063	2,157,001	2,145,369	2,191,519
GOVERNMENT PAYMENTS	113,878	72,125	9,456	57,993	46,667
TOTAL CASH RECEIPTS	2,064,812	1,926,188	2,166,457	2,203,362	2,238,186

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.

1997 ARIZONA AGRICULTURAL STATISTICS**CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Total crops and livestock, Arizona, by counties, 1993-97**

County	1993	1994	1995	1996	1997
1,000 dollars					
Apache	36,369	23,297	15,850	19,428	38,750
Cochise	83,907	60,149	55,950	69,239	105,075
Coconino	31,999	21,025	15,970	22,255	40,455
Gila	13,101	6,598	4,730	6,425	15,916
Graham	36,727	28,054	21,607	29,584	36,349
Greenlee	6,222	7,198	4,594	6,949	11,350
La Paz	95,495	57,233	50,606	61,020	65,704
Maricopa	588,013	665,720	676,089	761,055	751,688
Mohave	17,966	18,045	14,395	14,869	21,097
Navajo	40,967	35,557	39,387	49,113	68,548
Pima	65,070	42,877	36,874	40,365	57,508
Pinal	386,829	394,343	402,457	409,167	324,558
Santa Cruz	9,165	4,580	3,662	6,421	12,096
Yavapai	40,761	28,227	24,057	30,518	38,040
Yuma	498,343	461,160	790,763	618,961	604,387
ARIZONA 1/	1,950,934	1,854,063	2,156,991	2,145,369	2,191,519

1/ Total may not add due to rounding.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Crops, Arizona, by counties, 1993-97

County	1993	1994	1995	1996	1997
1,000 dollars					
Apache	800	649	465	1,029	956
Cochise	41,184	31,832	37,405	43,939	52,072
Coconino	867	2,446	2,727	4,970	6,263
Gila	211	524	243	1,277	1,285
Graham	20,218	19,477	15,532	22,913	22,060
Greenlee	806	2,847	1,347	4,201	4,184
La Paz	93,074	55,709	49,754	60,155	64,860
Maricopa	311,934	366,541	359,705	395,825	385,942
Mohave	8,233	11,222	8,589	10,596	10,562
Navajo	1,550	1,126	1,411	3,484	4,745
Pima	33,756	25,077	23,853	25,310	27,979
Pinal	136,067	171,085	167,373	210,063	191,232
Santa Cruz	1,295	331	296	1,447	1,497
Yavapai	1,229	1,101	834	2,738	2,756
Yuma	381,389	359,753	677,231	517,906	526,714
ARIZONA 1/	1,032,613	1,049,720	1,346,765	1,305,852	1,303,107

1/ Total may not add due to rounding.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Livestock and livestock products, Arizona, by counties, 1993-97

County	1993	1994	1995	1996	1997
1,000 dollars					
Apache	35,569	22,648	15,385	18,399	37,794
Cochise	42,723	28,317	18,545	25,300	53,003
Coconino	31,132	18,579	13,243	17,285	34,192
Gila	12,890	6,074	4,487	5,148	14,631
Graham	16,509	8,577	6,075	6,671	14,289
Greenlee	5,416	4,351	3,247	2,748	7,166
La Paz	2,421	1,524	852	865	844
Maricopa	276,079	299,179	316,384	365,230	365,746
Mohave	9,733	6,823	5,806	4,273	10,535
Navajo	39,417	34,431	37,976	45,629	63,803
Pima	31,314	17,800	13,021	15,055	29,529
Pinal	250,762	223,258	235,084	199,104	133,326
Santa Cruz	7,870	4,249	3,366	4,974	10,600
Yavapai	39,532	27,126	23,223	27,780	35,284
Yuma	116,954	101,407	113,532	101,055	77,672
ARIZONA 1/	918,321	804,343	810,226	839,517	888,412

1/ Total may not add due to rounding.

1997 ARIZONA AGRICULTURAL STATISTICS

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FARM INCOME INDICATORS: Arizona, 1992-96

Item	1992	1993	1994	1995	1996
Thousand dollars					
Final crop output	877,397	1,026,939	1,017,544	1,338,718	1,330,857
Food grains	29,730	28,156	45,363	47,686	81,358
Feed crops	47,210	74,526	87,959	78,025	110,626
Cotton	297,434	286,947	342,444	297,965	341,055
Oil crops	6,041	5,952	7,033	4,402	4,146
Fruits and tree nuts	146,362	130,963	119,103	113,006	120,309
Vegetables	312,966	426,010	361,539	718,880	554,637
All other crops	71,998	80,059	86,279	86,801	95,459
Home consumption	411	244	257	373	327
Value of inventory adjustment 2/	(34,755)	(5,918)	(32,433)	(8,420)	22,940
Final animal output	892,770	912,657	794,492	805,250	815,704
Meat animals	612,436	624,308	479,480	470,295	427,213
Dairy products	236,607	244,970	278,506	284,288	356,990
Poultry and eggs	3,758	3,952	3,602	4,104	4,186
Miscellaneous livestock	43,697	45,091	42,755	51,539	50,438
Home consumption	4,178	4,097	4,905	5,067	3,552
Value of inventory adjustment 2/	(7,906)	(9,761)	(14,756)	(10,043)	(26,675)
Services and forestry	108,805	120,108	125,767	142,071	167,596
Machine hire and customwork	16,314	16,995	18,197	17,703	17,166
Forest products sold	8,496	8,900	11,651	7,143	9,072
Other farm income	32,665	39,002	33,443	41,256	58,135
Gross imputed rental value of farm dwellings	51,330	55,211	62,476	75,969	83,223
Final agricultural sector output 1/	1,878,972	2,059,704	1,937,803	2,286,039	2,314,156
Less: Intermediate consumption outlays	905,591	996,063	1,053,620	1,121,295	1,131,564
Farm origin	379,399	413,370	385,417	405,283	399,010
Feed purchased	128,319	140,571	169,064	213,163	237,491
Livestock and poultry purchased	225,254	245,213	183,994	161,177	127,441
Seed purchased	25,826	27,586	32,359	30,943	34,078
Manufactured inputs	175,101	180,426	217,452	228,721	253,943
Fertilizers and lime	46,634	48,153	62,438	66,318	73,092
Pesticides	60,820	66,985	78,316	82,362	89,884
Petroleum fuel and oils	38,133	37,384	41,498	41,696	46,443
Electricity	29,514	27,904	35,200	38,345	44,524
Other intermediate expenses	351,091	402,267	450,751	487,291	478,611
Repair and maintenance of capital items	49,988	50,717	57,211	54,945	61,652
Machine hire and customwork	87,505	97,811	100,283	115,351	97,512
Marketing, storage, and transportation expenses	30,154	52,919	56,147	64,782	54,752
Contract labor	35,965	36,782	33,666	50,171	60,606
Miscellaneous expenses	147,479	164,038	203,444	202,042	204,089
Plus: Net government transactions	46,617	82,657	36,065	(28,863)	18,249
+ Direct Government payments	75,580	113,878	72,125	9,456	57,993
- Motor vehicle registration and licensing fees	1,867	2,208	2,892	2,382	2,787
- Property taxes	27,096	29,013	33,168	35,937	36,957
Gross value added	1,019,998	1,146,297	920,248	1,135,881	1,200,842
Less: Capital consumption	83,163	82,904	85,094	89,056	91,735
Net value added	936,835	1,063,393	835,154	1,046,825	1,109,107
Less: Factor payments	294,656	298,315	365,936	386,067	387,488
Employee compensation (total hired labor)	144,319	177,840	232,712	243,613	240,321
Net rent received by nonoperator landlords	27,155	27,469	32,814	35,253	42,687
Real estate and nonreal estate interest	123,182	93,006	100,410	107,201	104,480
Net farm income	642,179	765,078	469,218	660,758	721,619

1/ Final sector output is the gross value of the commodities and services produced within a year. Net value added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors of production. Net farm income is the farm operators' share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development. 2/ A positive value of inventory change represents current-year production not sold by December 1. A negative value is an offset to production from prior years included in current-year sales.

1997 ARIZONA AGRICULTURAL STATISTICS

GOVERNMENT PAYMENTS: By program, Arizona, 1990-97

Year	Conservation 1/	Feed grain	Wheat	Cotton	Wool Act	Miscellaneous 2/	Total
1,000 dollars							
1990	1,706	2,214	5,370	29,307	1,488	3,264	43,349
1991	1,632	2,364	4,305	26,225	1,883	4,084	40,493
1992	1,481	2,330	4,813	46,592	2,074	18,290	75,580
1993	1,662	2,988	5,263	82,204	1,897	19,864	113,878
1994	1,827	4,932	54,472	1,701	2,997	6,196	72,125
1995	1,783	1,914	2,100	2,131	771	757	9,456
1996	1,422	17	(1,169)	(7,104)	523	64,304	57,993
1997	787	(140)	(59)	(933)	(7)	47,019	46,667

1/ Includes amount paid under agriculture and conservation programs.

2/ 1990 programs included Rural Clean Water, Clean Lakes, Animal Waste Management, Forest Incentive, Water Bank, Milk Indemnity, Dairy Termination, Emergency Feed, Extended Warehouse Storage, Extended Farm Storage, Milk Diversion, Disaster Program Crops, Disaster Program Non-Crops, Colorado River Salinity, Livestock Emergency Assistance, Interest Penalty Payments, Disaster, Loan Deficiency, and Naval Stores; 1991 programs included Rural Clean Water, Clean Lakes, Forest Incentive, Water Bank, Milk Indemnity, Dairy Termination, Emergency Feed, Extended Warehouse Storage, Extended Farm Storage, Milk Diversion, Colorado River Salinity, Livestock Emergency Assistance, Interest Penalty Payments, Disaster, Loan Deficiency, and Market Gains; 1992 and 1993 programs included Rural Clean Water, Forest Incentive, Water Bank, Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Colorado River Salinity, Livestock Emergency Assistance, Interest Penalty Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation, Milk Marketing Fee, Animal Waste Management, and Interest on CCC-6S; 1994 and 1995 programs included Rural Clean Water, Forestry Incentive Annual, Forestry Incentive Long Term, Water Bank Annual, Water Bank Practice Cost Share Dairy Indemnity, Dairy Termination, Extended Warehouse Storage, Extended Farm Storage, Colorado River Salinity, Livestock Emergency Assistance, Interest Payments, Disaster, Loan Deficiency, Market Gains, Naval Stores Conservation, Milk Marketing Fee, Options Pilot, Milk Diversion, Emergency Feed, Rice Marketing, 90 Day Rule, Payment Limitation Refund, Additional Interest, Arkansas Beaver Lake, Wetlands Reserve, Disaster Non-Program Crops, and interest on CCC-6S. 1996 programs included 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, Noninsured 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.

VALUE OF HOME AGRICULTURAL COMMODITY CONSUMPTION: Arizona 1990-96 1/

Year	Livestock and products	Crops	Total
1,000 dollars			
1990	4,111	532	4,643
1991	3,889	464	4,353
1992	4,178	411	4,589
1993	4,097	244	4,341
1994	4,905	257	5,162
1995	5,067	373	5,440
1996	3,552	327	3,879

1/ Value of farm products consumed directly in farm households where produced.

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

FARM BUSINESS BALANCE SHEET: Arizona, December 31, 1992-96

Item	1992	1993	1994	1995	1996
Million dollars					
FARM ASSETS	11,958.5	12,177.2	12,859.1	14,559.2	15,282.7
Real estate	10,739.2	10,958.4	11,633.1	13,376.4	14,080.4
Livestock and poultry 1/	569.8	557.1	533.2	477.1	486.2
Machinery and motor vehicles 2/	373.1	376.0	382.7	381.4	383.0
Crops 3/	29.6	30.0	30.2	56.7	42.6
Purchased inputs	39.4	35.8	46.8	30.6	38.7
Financial	207.3	219.9	233.0	237.0	251.8
FARM DEBT	1,175.5	1,212.1	1,241.4	1,209.0	1,056.9
By purpose:					
Real estate	506.3	493.8	471.3	484.0	472.4
Nonreal estate 4/	669.2	718.3	770.1	725.0	584.5
By lender:					
Farm Credit System	175.7	188.8	184.7	218.9	249.2
Farms Service Agency	139.6	134.1	133.7	105.3	65.5
Commercial Banks	367.8	388.7	431.9	386.5	240.6
Life Insurance companies	195.5	186.0	157.4	148.6	132.3
Individuals and others 5/	296.8	314.4	333.6	349.6	369.3
EQUITY	10,783.0	10,965.1	11,617.7	13,350.3	14,225.8
Percent					
Debt/equity	10.9	11.1	10.7	9.1	7.4
Debt/assets	9.8	10.0	9.7	8.3	6.9

1/ Excludes horses, mules, and broilers. 2/ Includes only farm share value for trucks and autos. 3/ All non-CCC crops held on farms plus the value above loan rate for crops held under CCC. 4/ Excludes debt for nonfarm purposes. 5/ Includes loans from CCC for storage and drying facilities.

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

REAL ESTATE FARM BUSINESS DEBT: Arizona, December 31, 1992-96

Year	Farm Credit System	Farm Service Agency	Life insurance companies	All operating banks	Individuals and others	Total debt 1/
Million dollars						
1992	94	46	196	37	133	506
1993	90	45	186	35	138	494
1994	81	48	157	40	146	471
1995	89	38	149	59	149	484
1996	109	34	132	43	153	472

1/ Totals may not add due to rounding.

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

NONREAL ESTATE FARM BUSINESS DEBT: Arizona, December 31, 1992-96

Year	All operating banks	Farm Credit System	Farm Service Agency	Total debt owed to reporting institutions	Debt owed to individuals and others	Total 1/	Commodity Credit Corporation crop loans
Million dollars							
1992	330	82	93	505	164	669	71
1993	354	99	89	542	176	718	65
1994	392	104	86	582	188	770	50
1995	328	130	67	525	200	725	19
1996	198	140	31	369	216	584	4

1/ Totals may not add due to rounding.

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

NUMBER OF FARMS AND RANCHES

The number of farms and ranches in Arizona for 1997, at 7,500, is unchanged from a year earlier. Land in farms, at 35.4 million acres remains unchanged since 1994. The average size farm/ranch in Arizona is 4,720 acres. The USDA defines a farm or ranch as "any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year." Arizona's many farm operators, like those for the nation as a whole, include many farm operators who do not receive the majority of their income from agriculture.

The number of farms and ranches in the United States, in 1997, is estimated at 2.06 million, down less than one percent from 1996. Total land in farms is 968 million acres, also down less than one percent from last year. This decline in farm numbers and land in farms continues to follow historical trends. The average farm size increased 1 acre from 1996, to 471 acres.

The West and Northeast Regions were both up in farm numbers from 1996. The West Region showed the largest increase, up 2,000 farms or 0.7 percent, while the Northeast was up 300 farms or 0.2 percent from 1996. The largest decrease was in the North Central Region with a loss of 5,500 farms or 0.7 percent. The South was down 2,800 farms or 0.3 percent.

Eight States had increases in farm numbers while 11 States had decreases from a year earlier. California showed the largest increase, from 82,000 to 84,000 farms. Missouri

Michigan and Kansas showed the largest decreases, each down 2,000 farms. Texas remained the State with the most farms at 205,000. Missouri was second with 102,000 farms followed by Iowa with 98,000, the same as in 1996.

Texas, again led the nation in land in farms and ranches with 129.0 million acres. Among the 13 States with decreases in agricultural land, there were 3 States (Arkansas, Louisiana, and North Carolina) with decreases of 200,000 acres, from a year earlier. There were no States with increased agricultural acreage.

Land in farms, along with "average size" farm can be misleading, especially in the western states, since the term excludes all state and federal public grazing lands leased on a per-head basis. Also, Indian lands that bypass classification as land belonging to an individual operator are reported as a single farm or ranch by a central tribal source. Land belonging to Indian nations in Arizona comprises over 20 million acres of the Grand Canyon State's farm and ranch acreage, from the pine-studded Kaibab reservation of the north to the rugged Tohona O'odham lands that border Mexico. Native Americans were Arizona's first farmers, using highly specialized canal systems to irrigate Arizona fields centuries before Spanish conquistadors passed through.

Virtually all crop acreage in Arizona is irrigated and farm numbers and planted acreage are sensitive to the availability and cost of what is probably the most valuable resource of all the Arizona agriculture - water.

NUMBER OF FARMS AND RANCHES: Selected States, 1993-97

State	1993	1994	1995	1996	1997
Number					
ARIZONA	7,400	7,400	7,400	7,500	7,500
California	79,000	79,000	80,000	82,000	84,000
Colorado	25,500	25,300	25,000	24,500	24,500
Idaho	20,500	20,500	21,500	22,000	22,000
Montana	23,800	22,500	22,000	23,000	24,000
Nevada	2,400	2,400	2,500	2,500	2,500
New Mexico	13,500	13,500	13,500	13,500	13,500
Oregon	37,500	38,000	38,500	38,500	37,500
Texas	200,000	200,000	202,000	205,000	205,000
Utah	13,000	13,000	13,400	13,400	13,400
Washington	36,000	36,000	36,000	36,000	36,000
Wyoming	9,200	9,200	9,200	9,100	9,100
UNITED STATES	2,083,430	2,064,720	2,071,520	2,063,910	2,057,910

LAND IN FARMS AND RANCHES: Selected States, 1993-97

State	1993	1994	1995	1996	1997	Average size of farms and ranches 1997
1,000 acres						Acres
ARIZONA	35,500	35,400	35,400	35,400	35,400	4,720
California	30,000	29,900	30,000	30,000	30,000	357
Colorado	32,800	32,700	32,700	32,500	32,500	1,327
Idaho	13,500	13,500	13,500	13,500	13,500	614
Montana	59,800	59,700	59,700	59,700	59,600	2,483
Nevada	8,900	8,800	8,800	8,800	8,800	3,520
New Mexico	44,200	44,200	44,000	43,700	43,500	3,222
Oregon	17,500	17,500	17,500	17,500	17,500	467
Texas	130,000	129,000	129,000	129,000	129,000	629
Utah	11,200	11,100	11,100	11,000	11,000	821
Washington	16,000	15,800	15,800	15,700	15,700	436
Wyoming	34,600	34,600	34,600	34,600	34,600	3,802
UNITED STATES	976,463	973,403	972,253	970,048	968,338	471

CATTLE AND CALVES

Arizona's inventory of cattle and calves taken on January 1, 1998 was estimated at 800,000 head and valued at \$528 million, up 10,000 head, and up \$69.8 million from January 1, 1997. The 1997 calf crop of 275,000 was unchanged from the 1996 calf crop.

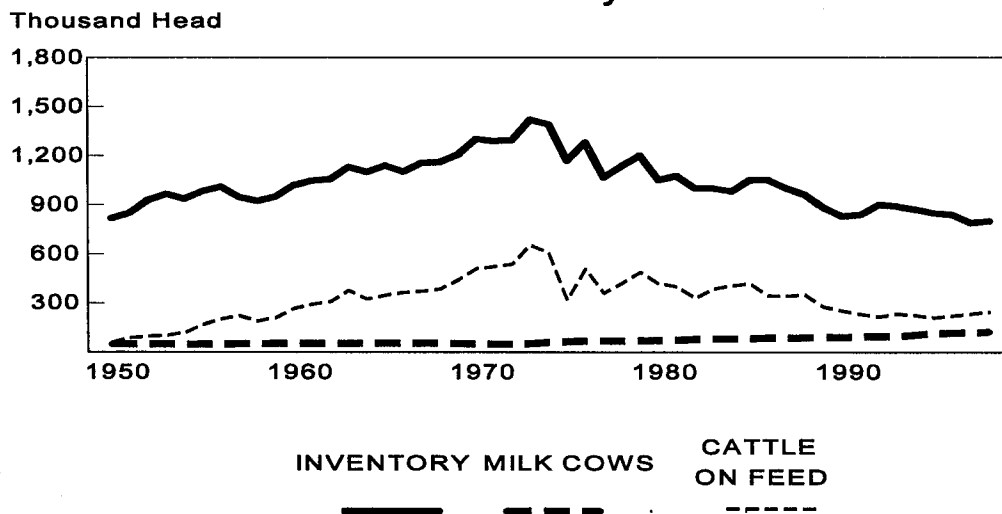
Monthly beef cattle prices varied by \$4.30 per hundredweight during 1997 from a low of \$60.00 in January to a high of \$64.30 in May. The marketing year average price for beef cattle increased \$5.20 per hundredweight to \$62.10. The annual average steer and heifer price increased by \$4.70 to \$65.20 per hundredweight and the annual average calf price increased \$24.90 to \$83.40 per hundredweight. The annual average price for cows increased \$5.90 per hundredweight to \$36.50.

Cattle and calf marketings were up 2 percent at 687 million pounds and the gross income from these marketings increased 13 percent to \$437 million.

Arizona's feedlot operators marketed 398,000 head during 1997, unchanged from 1996. Feedlot inventories ranged from 176,000 head on August 1 to 243,000 head on December 1.

Arizona's 25 livestock slaughtering establishments produced 321.7 million pounds of red meat during 1997, down 4 percent from the 1996 slaughter. Just over 471,000 head of cattle were slaughtered, down 5 percent from 1996.

Arizona Cattle Inventory January 1



1997 ARIZONA AGRICULTURAL STATISTICS

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States 1996-98

Species and class	Inventory 1/			Value 2/		
	1996	1997	1998	1996	1997	1998
	1,000 head			1,000 dollars		
ARIZONA						
CATTLE AND CALVES 3/	840	790	800	453,600	458,200	528,000
Beef cows that have calved	227	200	215			
Milk cows that have calved	118	120	125			
Beef cow replacement heifers	43	35	38			
Milk cow replacement heifers	22	20	26			
Other heifers 500 pounds and over	22	30	26			
Steers 500 pounds and over	235	240	240			
Bulls 500 pounds and over	24	20	20			
Calves under 500 pounds	149	125	110			
Cattle on feed 4/	222	233	245			
HOGS 5/	125	150	145	10,000	15,000	12,760
Breeding hogs	13	20	15			
Market hogs	112	130	130			
Under 60 pounds	48	65	42			
60-119 pounds	24	24	33			
120-179 pounds	21	21	28			
180 pounds and over	19	20	27			
SHEEP AND LAMBS 3/	135	125	120	12,960	12,500	13,200
Breeding sheep and lambs	65	50	53			
Ewes one year old and older	54	44	45			
Rams one year old and older	3	2	2			
Replacement Lambs under one year old	8	4	6			
Market sheep and lambs	70	75	67			
Market lambs	69	73	66			
Under 65 pounds	28	14	16			
65-84 pounds	8	4	11			
85-104 pounds	31	45	36			
105 pounds and over	2	10	3			
Market sheep	1	2	1			
GOATS 3/						
Angora goats	50	40	40	1,500	1,400	1,200
UNITED STATES						
CATTLE AND CALVES 3/	103,487	101,459	99,501	52,009,590	53,242,172	59,933,705
Beef cows that have calved	35,228	34,271	33,683			
Milk cows that have calved	9,416	9,309	9,191			
Beef cow replacement heifers	6,179	6,056	5,745			
Milk cow replacement heifers	4,104	4,057	3,982			
Other heifers 500 pounds and over	9,949	10,199	10,018			
Steers 500 pounds and over	17,732	17,320	17,197			
Bulls 500 pounds and over	2,392	2,339	2,266			
Calves under 500 pounds	18,488	17,909	17,418			
Cattle on feed 4/	12,968	13,216	13,618			
HOGS 5/	58,264	56,141	59,920	4,120,067	5,281,011	4,962,403
Breeding hogs	6,839	6,667	6,979			
Market hogs	51,425	49,474	52,941			
Under 60 pounds	18,881	18,439	19,922			
60-119 pounds	12,808	12,221	13,028			
120-179 pounds	10,702	10,291	10,884			
180 pounds and over	9,034	8,522	9,107			
SHEEP AND LAMBS 3/	8,461	7,937	7,616	732,197	761,650	776,311
Breeding sheep and lambs	6,228	5,850	5,537			
Ewes one year old and older	5,128	4,836	4,527			
Rams one year old and older	236	220	206			
Replacement lambs under one year old	863	794	804			
Market sheep and lambs	2,234	2,087	2,079			
Market lambs	2,152	2,002	1,995			
Under 65 pounds	572	489	485			
65-84 pounds	349	368	309			
85-104 pounds	691	638	618			
105 pounds and over	540	507	583			
Market sheep	82	85	84			
GOATS 3/						
Angora goats	1,400	1,127	855	58,900	43,753	32,725

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.

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Year	Arizona					United States			
	All cattle and calves		Milk cows		All cattle and calves		Milk cows		
	Operations	Head	Operations	Head	Operations	Head	Operations	Head	
	Number	Thousand	Number	Thousand	Number	Thousand	Number	Thousand	
1993	4,600	890	500	96	1,229,740	99,176	159,450	9,658	
1994	4,500	870	400	106	1,213,690	100,988	148,690	9,528	
1995	4,300	850	350	116	1,210,310	102,755	137,030	9,487	
1996	4,000	840	300	118	1,192,520	103,487	126,800	9,416	
1997	3,900	790	290	120	1,167,910	101,209	116,680	9,281	
1998	2/	800	2/	125	2/	101,460	2/	9,191	

Year	All cattle and calves	Cows that have calved		Heifers 500 pounds and over			Steers 500 pounds and over	Bulls 500 pounds and over	Calves under 500 pounds	Value of all cattle and calves	
		Beef cows	Milk cows	Beef cow replacement	Milk cow replacement	Other heifers				Per head	Total
										1,000 head	Dollars 1,000 dol.
1994	870	259	106	41	17	19	240	22	166	610	530,700
1995	850	239	116	40	21	25	235	24	150	600	510,000
1996	840	227	118	43	22	22	235	24	149	540	453,600
1997	790	200	120	35	20	30	240	20	125	580	458,200
1998	800	215	125	38	26	26	240	20	110	660	528,000

Year	Inventory January 1	Calf crop	Inshipments	Marketings 1/		Farm slaughter 2/	Deaths	
				Cattle	Calves		Cattle	Calves
1,000 head								
1993	890	300	530	684	103	3	30	30
1994	870	300	440	550	137	3	30	30
1995	850	290	450	585	102	3	30	30
1996	840	275	442	695	201	3	30	30
1997	790	275	527	591	139	2	30	30
1998	800	3/	3/	3/	3/	3/	3/	3/

Year	Production 1/ 1,000 lbs	Marketings 2/ Dollars	Average price per 100 pounds		Value of production 1,000 dol.	Cash receipts 3/ 1,000 dol.	Value of home consumption 1,000 dol.	Gross income 1,000 dol.
			Cattle	Calves				
1993	548,220	806,780	72.20	96.60	404,052	591,201	3,343	594,544
1994	459,546	666,840	65.20	88.90	261,740	446,061	2,994	449,054
1995	495,321	710,620	60.40	74.20	274,777	433,953	2,714	436,667
1996	439,478	674,340	56.90	58.50	247,134	384,228	2,492	386,720
1997	458,426	686,540	62.10	83.40	285,575	434,572	2,413	436,985

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of inshipments, 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 interfarm sales within the State and farm slaughter. 3/ Receipts from marketings and sale of farm slaughter.

1997 ARIZONA AGRICULTURAL STATISTICS**ALL CATTLE AND CALVES: Number on farms, Arizona, by counties, January 1, 1994-98 1/**

County and year	All cattle and calves	County and year	All cattle and calves	County and year	All cattle and calves
	1,000 head		1,000 head		1,000 head
APACHE		GREENLEE		PIMA	
1994	59	1994	9	1994	55
1995	58	1995	10	1995	55
1996	54	1996	11	1996	53
1997	47	1997	10	1997	40
1998	48	1998	11	1998	40
COCHISE		LA PAZ		PINAL	
1994	75	1994	4	1994	171
1995	76	1995	3	1995	155
1996	77	1996	3	1996	160
1997	75	1997	2	1997	165
1998	76	1998	1	1998	167
COCONINO		MARICOPA		SANTA CRUZ	
1994	54	1994	166	1994	15
1995	51	1995	180	1995	15
1996	47	1996	175	1996	16
1997	40	1997	180	1997	17
1998	40	1998	182	1998	16
GILA		MOHAVE		YAVAPAI	
1994	25	1994	19	1994	59
1995	23	1995	18	1995	56
1996	22	1996	17	1996	52
1997	18	1997	15	1997	38
1998	19	1998	16	1998	40
GRAHAM		NAVAJO		YUMA	
1994	28	1994	31	1994	100
1995	26	1995	30	1995	94
1996	26	1996	27	1996	100
1997	20	1997	20	1997	103
1998	20	1998	20	1998	104
ARIZONA					
1994	870				
1995	850				
1996	840				
1997	790				
1998	800				

1/ Includes range cattle and calves, milk cows, and cattle on feed.

ALL CATTLE AND CALVES: Number of operations by size group, Arizona, 1993-97 1/

Year	1-49	50-99	100-499	500-999	1,000 and over	Total
	Number					
1993	2,700	530	1,000	180	190	4,600
1994	2,700	440	1,000	180	180	4,500
1995	2,800	400	780	160	160	4,300
1996	2,600	500	580	160	160	4,000
1997	2,600	350	650	150	150	3,900

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

BEEF COWS: Number of operations by size group, Arizona, 1993-97 1/

Year	1-49	50-99	100-499	500 and over	Total
	Number				
1993	1,300	350	850	200	2,700
1994	1,400	300	700	200	2,600
1995	1,500	250	580	170	2,500
1996	1,500	330	400	170	2,400
1997	1,500	230	500	170	2,400

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

CATTLE AND CALVES: Number on feed, placements, marketings, and other disappearance, Arizona 1993-97

Month	1993	1994	1995	1996	1997
1,000 head					
<u>JANUARY</u>					
Number on feed January 1	233	225	210	222	233
Placed on feed during January	26	23	20	15	28
Marketed during January	39	30	21	32	34
Other disappearance during January	5	1	8	1	4
<u>FEBRUARY</u>					
Number on feed February 1	215	217	201	204	223
Placed on feed during February	22	16	22	27	31
Marketed during February	31	31	26	28	29
Other disappearance during February	5	1	1	1	1
<u>MARCH</u>					
Number on feed March 1	201	201	196	202	224
Placed on feed during March	31	25	26	37	34
Marketed during March	35	33	29	33	33
Other disappearance during March	1	1	1	0	1
<u>APRIL</u>					
Number on feed April 1	196	192	192	206	224
Placed on feed during April	31	31	35	27	31
Marketed during April	37	40	32	41	39
Other disappearance during April	1	2	5	4	2
<u>MAY</u>					
Number on feed May 1	189	181	190	188	214
Placed on feed during May	41	30	48	37	40
Marketed during May	46	39	47	42	45
Other disappearance during May	1	2	1	0	3
<u>JUNE</u>					
Number on feed June 1	183	170	190	183	206
Placed on feed during June	25	20	28	31	27
Marketed during June	33	40	38	40	41
Other disappearance during June	2	1	2	1	3
<u>JULY</u>					
Number on feed July 1	173	149	178	173	189
Placed on feed during July	23	24	28	41	26
Marketed during July	27	30	32	37	38
Other disappearance during July	1	0	0	0	1
<u>AUGUST</u>					
Number on feed August 1	168	150	174	177	176
Placed on feed during August	30	41	28	40	45
Marketed during August	27	37	39	37	35
Other disappearance during August	2	1	0	1	1
<u>SEPTEMBER</u>					
Number on feed September 1	169	146	163	182	185
Placed on feed during September	43	40	42	48	35
Marketed during September	22	26	31	29	26
Other disappearance during September	1	0	1	0	1
<u>OCTOBER</u>					
Number on feed October 1	189	160	173	201	193
Placed on feed during October	59	58	68	51	51
Marketed during October	26	23	33	27	28
Other disappearance during October	1	1	1	1	1
<u>NOVEMBER</u>					
Number on feed November 1	221	194	207	224	215
Placed on feed during November	43	44	46	43	55
Marketed during November	29	23	28	24	24
Other disappearance during November	8	1	1	5	3
<u>DECEMBER</u>					
Number on feed December 1	227	214	224	238	243
Placed on feed during December	25	25	23	28	30
Marketed during December	26	25	24	31	26
Other disappearance during December	1	4	1	2	2

CATTLE ON FEED: Number of feedlots and marketings by size of feedlot capacity, Arizona, 1993-97

Year	Feedlot capacity in number of head							
	15,999 and under		16,000 - 31,999		32,000 and over		Total	
	Lots	Cattle marketed	Lots	Cattle marketed	Lots	Cattle marketed	Lots	Cattle marketed
	Number	1,000 head	Number	1,000 head	Number	1,000 head	Number	1,000 head
1993	4	10	4	111	3	257	11	378
1994	4	14	4	91	3	272	11	377
1995	4	13	3	100	3	267	10	380
1996	3	12	3	96	3	290	9	398
1997	3	15	3	98	3	285	9	398

FED CATTLE MARKETING FOR SLAUGHTER: Arizona, by counties, 1993-97

Year	Maricopa	Pinal	Yuma	Total
	1,000 head			
1993	10	239	129	378
1994	15	251	111	377
1995	13	247	120	380
1996	11	258	129	398
1997	14	254	130	398

ALL CATTLE: Monthly and marketing year average prices received by producers, Arizona 1993-97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Marketing year average
Dollars per cwt													
ALL BEEF CATTLE 1/													
1993	72.90	74.10	75.70	75.50	75.20	73.20	70.80	73.70	70.50	66.50	68.50	68.50	72.20
1994	67.30	69.00	70.60	68.40	65.30	62.00	63.80	66.00	62.60	59.70	63.20	64.30	65.20
1995	66.10	68.30	64.50	62.30	59.50	60.20	58.80	58.20	58.40	57.50	58.40	56.90	60.40
1996	55.50	55.30	54.40	52.80	53.30	53.80	57.80	61.50	60.80	60.50	59.70	59.90	56.90
1997	60.00	61.10	63.90	63.80	64.30	61.00	62.20	62.90	61.00	61.30	62.00	61.40	62.10
STEERS AND HEIFERS													
1993	77.50	78.10	79.50	79.60	78.50	76.00	73.00	75.50	74.00	73.00	73.00	72.00	75.90
1994	71.50	72.50	74.00	72.00	68.00	64.00	66.00	68.00	65.50	65.50	67.50	68.50	68.70
1995	71.00	72.50	68.00	66.00	62.00	62.50	61.00	60.00	61.50	62.00	63.00	60.00	63.70
1996	59.50	58.50	57.50	56.00	56.00	56.00	60.00	64.00	66.00	66.00	65.00	64.00	60.50
1997	64.00	64.50	67.00	67.00	67.00	63.20	63.90	64.80	64.00	66.20	67.00	64.60	65.20
CALVES													
1993	94.00	96.50	99.90	99.50	96.50	96.00	94.00	98.00	95.70	97.00	95.00	94.00	96.60
1994	92.00	94.00	95.50	94.00	89.00	84.50	86.00	88.00	85.00	81.00	83.00	83.00	88.90
1995	88.00	87.00	85.00	81.00	76.00	75.00	73.00	71.00	69.00	67.00	64.00	61.00	74.20
1996	58.00	59.00	58.50	54.00	51.00	54.50	63.00	63.00	61.50	60.00	60.50	59.50	58.50
1997	67.00	73.00	82.00	82.00	84.00	84.00	88.80	92.10	92.00	85.80	83.80	87.20	83.40
COWS													
1993	44.80	44.40	44.60	45.10	45.00	45.30	45.60	45.00	42.30	40.50	40.50	41.00	43.30
1994	41.50	43.00	43.00	42.00	40.50	39.00	38.50	40.00	39.00	36.50	36.50	36.00	39.20
1995	36.00	37.50	36.00	35.00	34.00	34.00	33.50	33.70	33.00	32.00	30.00	31.50	33.80
1996	33.00	32.00	31.50	29.50	29.00	29.00	32.00	32.50	31.00	29.00	27.00	27.00	30.60
1997	31.00	36.00	39.00	40.50	40.20	38.70	42.70	41.00	39.00	33.50	31.00	35.90	36.50

1/ Includes steers and heifers, and cows.

GRAZING FEES: Arizona, 1994-98

As of 1995 approximately 48 percent of Arizona's total area of 72,960,000 acres is federal and state public trust land administered by the U.S. Department of Interior's Bureau of Land Management, the U.S. Department of Agriculture's Forest Service, and Arizona's 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's Agricultural Statistics Board and furnished to USDI's Bureau of Land Management and the USDA's 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	Unit	Base year 1964-68					
			1994	1995	1996	1997	1998
Grazing Rates on Private Land 1/ Forage Value Index (FVI) 2/ Average Price Received for Beef Cattle per Cwt. 3/	Dollars	3.65 100	10.20 279	10.30 282	11.00 301	10.70 293	11.30 310
Beef Cattle Price Index (BCPI) 4/ Prices Paid Index (PPI) 5/ Federal Grazing Fee 6/ State Grazing Fee	Dollars Dollars	22.04 100 100 (1.23) (.95)	73.43 333 451 1.98 1.53	67.07 304 455 1.61 1.53	61.15 277 473 1.35 2.18	55.49 252 499 1.35 2.09	61.90 278 512 1.35 7/

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. 1998 for example = \$1.23 (310 + 278 - 512)/100 = \$.93 (federal), per Executive Order, \$1.35 is the legal minimum. 7/ Not available.

PASTURE AND RANGE FEED CONDITIONS: Arizona, April-October 1997

MONTH	Very poor	Poor	Fair	Good	Excellent
Percent					
April	5	18	36	28	13
May	3	20	36	34	7
June	16	19	36	25	4
July	11	36	37	14	2
August	5	16	40	37	2
September	9	9	28	40	14
October	5	15	27	44	9

DAIRY

The average number of milk cows maintained by Arizona's dairy operations in 1997 increased 6,000 head from a year ago. As of January 1, 1998 the number of milk cows totaled 125,000, up 5,000 head from January 1, 1997. Milk production per cow during 1997 was 20,976 pounds, up 2.6 percent from last year.

Milk production totaled 2.66 billion pounds in 1997, an increase of 8 percent from 1996. Producer cash receipts from milk declined to 344.8 million dollars, a 3.5 percent decrease from 1996 cash receipts. The average returns per 100 pounds of milk in 1997 was \$13.00, down \$1.50 from 1996.

DAIRY: Milk cows and milk production, Arizona, quarterly, 1993-97

Year	Milk cows					Milk production				
	January - March	April - June	July - September	October - December	Average number during year	January - March	April - June	July - September	October - December	Annual Total
	1,000 head					Million lbs				
1993	98	102	104	105	102	464	486	435	492	1,877
1994	111	120	118	114	116	557	569	472	536	2,134
1995	113	115	114	113	114	590	597	488	555	2,230
1996	118	120	122	122	121	653	659	532	630	2,474
1997	124	128	128	130	127	730	723	578	630	2,664

DAIRY: Milk cows, production of milk and milkfat, and value, Arizona 1993-97

Year	Milk cows 1/	Production per milk cow		Milkfat in all milk produced	Total production		Value of milk produced 2/
		Milk	Milkfat		Milk	Milkfat	
	1,000 head	Lbs		Percent	Million lbs		1,000 dol.
1993	102	18,402	668	3.63	1,877	68.1	245,887
1994	116	18,397	662	3.60	2,134	76.8	279,554
1995	114	19,561	708	3.62	2,230	80.7	285,440
1996	121	20,446	734	3.59	2,474	88.8	357,135
1997	127	20,976	747	3.56	2,664	94.8	344,760

1/ Average number on farms during year, excluding heifers not yet fresh. 2/ Valued at averaged returns per 100 pounds of milk in combined marketings of milk and cream. Includes value of milk fed to calves.

MILK USED AND MARKETING BY PRODUCERS: Arizona, 1993-97

Year	Milk used where produced			Milk marketed by producers		
	Fed to calves	Used for milk, cream and butter	Total	Sold to plants and dealers	Sold directly to consumers	Total
	Million lbs					
1993	6	1	7	1,870	1/	1,870
1994	7	1	8	2,126	1/	2,126
1995	8	1	9	2,221	1/	2,221
1996	9	2	11	2,463	1/	2,463
1997	10	2	12	2,652	1/	2,652

1/ Sales nominal. Included with milk sold to plants and dealers.

MILK PRODUCTION: Marketings and income, Arizona 1993-97

Year	Combined marketings of milk and cream				Used for milk, cream and butter where produced		Gross producer income 1/
	Milk utilized	Average returns		Cash receipts from marketings	Milk utilized	Value	
		Per 100 lbs of milk	Per lb of milkfat				
	Million lbs	Dollars		1,000 dol.	Million lbs	1,000 dol.	
1993	1,870	13.10	3.61	244,970	1	131	245,101
1994	2,126	13.10	3.64	278,506	1	131	278,637
1995	2,221	12.80	3.54	284,288	1	128	284,416
1996	2,463	14.50	4.04	357,135	2	290	357,425
1997	2,652	13.00	3.65	344,760	2	260	345,020

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

MILK COWS: Number on farms, Arizona, by counties, January 1, 1994-98

County and year	Milk cows	County and year	Milk cows	County and year	Milk cows
	1,000 head		1,000 head		1,000 head
<u>MARICOPA</u>		<u>PINAL</u>		<u>OTHER COUNTIES</u>	
1994	91	1994	9	1994	6
1995	100	1995	9	1995	7
1996	103	1996	9	1996	6
1997	107	1997	8	1997	5
1998	111	1998	8	1998	6
<u>ARIZONA</u>					
1994	106				
1995	116				
1996	118				
1997	120				
1998	125				

MILK COWS: Number of operations by size group, Arizona, 1993-97 1/

Year	1-99	100-199	200 and over	Total
	Number			
1993	390	10	100	500
1994	290	10	100	400
1995	240	10	100	350
1996	190	10	100	300
1997	180	10	100	290

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

GRAIN AND OTHER CONCENTRATES: Quantity fed to milk cows and value, Arizona, 1993-97 1/

Year	Annual quantity fed to milk cows			Annual average value of feed per cwt	Annual average feed value per cwt of milk produced
	Total	Per cow	Per cwt of milk produced		
	1,000 tons	Pounds	Pounds	Dollars	Dollars
1993	414	8,100	44	7.27	3.22
1994	490	8,460	46	7.57	3.45
1995	468	8,220	42	7.78	3.30
1996	459	7,620	37	8.75	3.25
1997	2/				

1/ Estimates for all places where milk produced, either for sale or for home use. 2/ Not available.

MISCELLANEOUS DAIRY PRODUCTS AND NUMBER OF DAIRY PLANTS: Annual production, Arizona and United States 1993-97

Year	Dairy plants 1/	Lowfat cottage cheese	Creamed cottage cheese	Cottage cheese curd	Hard ice cream	Total ice cream	Milk sherbet
	Number	1,000 lbs	1,000 lbs	1,000 lbs	1,000 gal	1,000 gal	1,000 gal
ARIZONA							
1993	7	2/	2/	2/	6,871	7,254	325
1994	7	1,719	8,232	6,056	7,450	7,698	390
1995	7	1,206	7,555	5,378	6,956	7,831	2/
1996	7	443	7,280	4,912	6,665	7,429	2/
1997	5	2/	2/	2/	2/	2/	2/
UNITED STATES							
1993	1,534	317,009	430,518	471,364	825,997	866,248	50,813
1994	1,532	321,077	409,954	463,283	835,656	876,097	54,093
1995	1,495	325,928	384,889	458,918	822,473	862,232	53,496
1996	1,420	329,890	360,413	448,327	825,238	878,572	52,611
1997	1,384	346,687	359,525	458,460	845,899	905,590	52,784

1/ Plants manufacturing one or more dairy products. 2/ Fewer than 3 plants reported, not published to avoid disclosure of individual operations.

ICE CREAM: Production, Arizona, monthly and annual, 1993-97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1,000 gallons													
1993	465	583	780	829	641	721	681	543	602	561	434	414	7,254
1994	518	665	804	672	746	853	789	677	594	494	520	366	7,698
1995	538	547	703	677	705	850	909	864	548	498	443	549	7,831
1996	509	677	855	853	861	657	938	635	651	250	200	343	7,429
1997	1/												

1/ Not published when fewer than 3 plants reported to avoid disclosure of individual operations.

MILK SHERBET: Production, Arizona, monthly and annual, 1993-97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1,000 gallons													
1993	21	17	39	45	36	23	24	24	25	24	20	27	325
1994	29	28	50	35	38	41	37	33	49	31	9	10	390
1995	1/												
1996	1/												
1997	1/												

1/ Not published when fewer than 3 plants reported to avoid disclosure of individual operations.

GOATS AND MOHAIR

On January 1, 1998 Arizona's Angora goat inventory was 40,000 head, unchanged from last year. At \$30 per head, the total value of Angora goats was estimated at 1.2 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 increased \$.23 from 1997 to \$1.70 per pound. Mohair production was estimated at 160,000 pounds for a total value of \$272,000.

ANGORA GOATS: Number on farms and value, Arizona, January 1, 1994-98

Year	Goats	Farm Value	
		Per head	Total
	1,000 head	Dollars	1,000 dollars
1994	82	32.00	2,624
1995	52	35.00	1,820
1996	1/ 50	30.00	1/ 1,500
1997	40	35.00	1,400
1998	40	30.00	1,200

1/ Revised.

MOHAIR PRODUCTION AND VALUE: Arizona, 1993-97

Year	Goats clipped	Weight per clip	Mohair production	Average price per pound	Value of production
	1,000 head	Pounds	1,000 lbs	Cents	1,000 dol.
1993	70	4.4	310	32	99
1994	49	4.1	200	74	148
1995	40	1/ 4.5	1/ 180	152	1/ 274
1996	38	4.2	160	147	235
1997	38	4.2	160	170	272

1/ Revised.

SHEEP, LAMBS AND WOOL

Arizona's sheep and lamb inventory on January 1, 1998 was estimated at 120,000 head, down 4 percent from a year ago. Breeding sheep and lamb inventory, at 53,000 head, represented an increase of 3,000 head from January 1, 1997. Market sheep and lambs inventory, at 67,000 head, decreased by 8,000 head from the previous year.

Sheep and lamb marketings were estimated at just under 11.5

million pounds. Average prices received by sheep operators in 1997 per hundredweight were \$45.00 for sheep, up \$10.00 from 1996, and \$92.00 for lambs, up \$5.00 from 1996. Cash receipts totaled 10.1 million dollars.

Average wool prices dropped 3 cents to 58 cents per pound and was valued at 447,000 dollars, down 2 percent from the previous year.

SHEEP: Number of operations and inventory, January 1, Arizona and United States, 1994-98 1/

Year	Arizona		United States	
	Operations	Head 2/	Operations	Head 2/
	Number	Thousand	Number	Thousand
1994	450	200	87,150	9,714
1995	450	145	81,070	8,886
1996	400	135	77,510	8,461
1997	400	125	74,710	7,937
1998	3/	120	3/	7,616

1/ An operation is any place having one or more sheep on hand during the year. 2/ New crop lambs included beginning 1994. 3/ Not available until January 1999.

SHEEP: By class, farm value and lamb crop, Arizona, January 1, 1994-98

Year	Breeding sheep and lambs			Market sheep and lambs	All sheep and lambs 1/	Farm value		Lamb crop
	Ewes	Rams	Replacement lambs			Per head	Total	
	1,000 head					Dollars	1,000 dol.	1,000 head
1994	95.0	5.0	10.0	50.0	200.0	82.00	16,400	70.0
1995	70.0	3.0	15.0	57.0	145.0	86.00	12,470	50.0
1996	54.0	3.0	8.0	70.0	135.0	96.00	12,960	40.0
1997	44.0	2.0	4.0	75.0	125.0	100.00	12,500	45.0
1998	45.0	2.0	6.0	67.0	120.0	110.00	13,200	2/

1/ New crop lambs included in total inventory beginning in 1994. 2/ Not available until January 1999.

SHEEP AND LAMBS: Inventory, supply and disposition, Arizona, 1993-97

Year	Inventory January 1 1/	Lamb crop	Inshipments	Marketings 2/		Farm slaughter 3/	Deaths	
				Sheep	Lambs		Sheep	Lambs
				1,000 head				
1993	205	85	72	54	128	13	2	5
1994	200	70	90	37	157	13	3	5
1995	145	50	68	30	77	13	3	5
1996	135	40	76	14	91	11	4	6
1997	125	45	82	9	102	12	2	7

1/ Excludes new crop lambs through 1993; new crop lambs included in total inventory beginning in 1994. 2/ Includes animals for custom slaughter for use on farms where produced and state outshipments, but excludes interfarm sales within the state. 3/ Excludes custom slaughter for farmers at commercial establishments.

SHEEP AND LAMBS: Production and income, Arizona, 1993-97

Year	Production 1/ 1,000 lbs	Marketings 2/ 1,000 lbs	Average price per 100 pounds		Value of production	Cash receipts 3/ 1,000 dol.	Value of home consumption	Gross income
			Sheep	Lambs				
1993	10,030	19,280	33.50	65.20	5,937	10,516	648	11,164
1994	8,988	19,920	30.00	64.00	5,644	11,280	653	11,933
1995	5,815	11,080	29.00	79.00	4,034	7,013	735	7,748
1996	5,258	10,560	35.00	87.00	4,477	8,376	792	9,168
1997	6,674	11,460	45.00	92.00	6,049	10,092	1,198	11,290

1/ Adjustments made for changes in inventory and for inshipments. 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 interfarm sales within Arizona. 3/ Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: Number on farms, Arizona, by counties, January 1, 1994-98

County and year	Breeding sheep and lambs 1/ 1,000 head	Market sheep and lambs 2/ 1,000 head	All sheep and lambs 1,000 head	New crop lambs 3/ 1,000 head	County and year	Breeding sheep and lambs 1/ 1,000 head	Market sheep and lambs 2/ 1,000 head	All sheep and lambs 1,000 head	New crop lambs 3/ 1,000 head
APACHE					PINAL				
1994	43	4/	43	14	1994	6	12	18	5
1995	27	4/	27		1995	7	15	22	
1996	20	7	27		1996	7	4	11	
1997	14	3	17		1997	8	4	12	
1998	16	6	22		1998	7	4	11	
COCONINO					YUMA				
1994	14	4/	14	5	1994	0	28	28	0
1995	13	4/	13		1995	1	18	19	
1996	9	3	12		1996	1	39	40	
1997	5	2	7		1997	0	42	42	
1998	4	5/	4		1998	0	36	36	
MARICOPA					OTHER COUNTIES				
1994	13	8	21	3	1994	4	2	6	4
1995	11	23	34		1995	10	1	11	
1996	8	9	17		1996	6	2	8	
1997	10	16	26		1997	2	2	4	
1998	10	18	28		1998	3	2	5	
NAVAJO					ARIZONA				
1994	30	4/	30	9	1994	110	50	6/ 200	40
1995	19	4/	19		1995	88	57	145	
1996	14	6	20		1996	65	70	135	
1997	11	6	17		1997	50	75	125	
1998	13	1	14		1998	53	67	120	

1/ Excludes new crop lambs born after September 30 the previous year and on hand January 1 through 1994; new crop lambs included beginning 1995. 2/ Includes sheep and lambs being fattened for slaughter market on grain, other concentrates, or succulent pastures. Excludes breeding sheep and lambs and new crop lambs through 1994; new crop lambs included beginning 1995. 3/ Discontinued in January 1995; included in breeding or market sheep and lambs. 4/ Market sheep included with breeding sheep. 5/ Included in other counties. 6/ Includes new crop lambs.

WOOL PRODUCTION AND VALUE: Arizona, 1993-97

Year	All sheep shorn 1/ 1,000 head	Weight per fleece Pounds	Shorn wool production 1,000 lbs	Average price per pound Cents	Value of production 2/ 1,000 dol.
1993	185	7.0	1,300	41	533
1994	160	6.9	1,100	47	517
1995	140	6.8	950	62	589
1996	125	6.0	750	61	458
1997	120	6.4	770	58	447

1/ Includes fed sheep shorn. 2/ Equivalent to cash receipts from farm marketings.

HOGS AND PIGS

On December 1, 1997 Arizona's 400 hog producers had a total inventory of 145,000 head, down 3 percent from the previous year. Hogs for breeding decreased to 15,000 head, down 5,000 head from December 1, 1996 and market hogs were unchanged at 130,000 head. The market value of Arizona's hog inventory was \$12.8 million, down 15 percent from 1996.

Thirty-six thousand sows farrowed during 1997, up 1,000

sows from the previous year. Pigs per litter totaled 8.53, a record high. The total pig crop was 307,000 head, a 4 percent increase from last year.

Marketings totaled 367,000 head in 1997, an increase of 38 percent from 1996. The gross income of the industry totaled \$45.9 million, 30 percent more than in 1996.

HOGS AND PIGS: Number of Operations and inventory December 1, Arizona and United States 1993-97 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1993	400	140	225,210	57,904
1994	400	170	207,980	59,992
1995	400	125	181,750	58,264
1996	400	150	156,250	56,141
1997	400	145	138,690	59,920

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, Arizona, December 1, 1993-97

Year	Breeding	Market	Market hogs and pigs by weight group				All hogs	Value	
			Under 60 lbs	60-119 lbs	120-179 lbs	180 lbs and over		Per head	Total
1,000 head								Dol.	1,000 dol.
1993	17	123	59	24	22	18	140	86.00	12,040
1994	18	152	50	36	35	31	170	61.00	10,370
1995	13	112	48	24	21	19	125	80.00	10,000
1996	20	130	65	24	21	20	150	100.00	15,000
1997	15	130	42	33	28	27	145	88.00	12,760

HOGS AND PIGS: Inventory, supply, and disposition, Arizona, 1993-98

Year	Inventory December 1 1/	Pig crop	Inshipments	Marketings 2/	Farm slaughter 3/	Deaths
1,000 head						
1993	106	256	9	212	1	18
1994	140	299	9	247	1	30
1995	170	273	14	302	1	29
1996	125	296	21	266	1	25
1997	150	307	86	367	1	30
1998	145					

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 interfarm sales within the State and farm slaughter. 3/ Excludes custom slaughter for farmers at commercial establishments.

PIG CROP: Sows farrowed, pigs per litter, and pig crop, Arizona, quarterly 1993-97

Year 1/	Total			December - February			March - May		
	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop
	1,000 head	Number	1,000 head	1,000 head	Number	1,000 head	1,000 head	Number	1,000 head
1993	31	8.26	256	6	8.4	50	8	8.9	71
1994	38	7.87	299	10	7.3	73	10	8.4	84
1995	33	8.27	273	8	8.1	65	8	8.4	67
1996 2/	35	8.46	296						
1997 2/	36	8.53	307						

Year 1/	June - August			September - November		
	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop
	1,000 head	Number	1,000 head	1,000 head	Number	1,000 head
1993	9	8.2	74	8	7.6	61
1994	10	8.0	80	8	7.7	62
1995	8	8.3	66	9	8.3	75
1996 2/						
1997 2/						

1/ December 1 previous year through November current year. 2/ Quarterly estimates discontinued in 1996.

HOGS AND PIGS: Production and income, Arizona 1993-97

Year	Production 1/	Marketings 2/	Average price per cwt	Value of production	Cash receipts 3/	Value of home consumption	Gross income
	1,000 lbs		Dollars		1,000 dol.		
1993	52,626	50,880	44.40	22,552	22,591	107	22,698
1994	64,607	59,040	37.50	23,883	22,140	194	22,334
1995	64,386	72,240	40.60	25,643	29,329	212	29,542
1996	70,088	67,575	52.00	35,514	35,139	268	35,407
1997	87,296	91,500	49.90	41,156	45,659	249	45,908

1/ Adjustments made for changes in inventory and for inshipments. 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 interfarm sales within Arizona. 3/ Receipts from marketings and the sale of farm slaughter.

HOGS AND PIGS: Number on farms, Arizona, by counties, December 1, 1993-97

County and year	Hogs and pigs	County and year	Hogs and pigs	County and year	Hogs and pigs
	1,000 head		1,000 head		1,000 head
NAVAJO		OTHER COUNTIES		ARIZONA	
1993	108	1993	32	1993	140
1994	145	1994	25	1994	170
1995	107	1995	18	1995	125
1996	133	1996	17	1996	150
1997	132	1997	13	1997	145

MEAT PRODUCTION

LIVESTOCK SLAUGHTERING ESTABLISHMENTS: Arizona, January 1, 1994-1998

Year	Under Federal Inspection	Other 1/	Total
Number			
1994	3	24	27
1995	3	23	26
1996	3	23	26
1997	3	22	25
1998	4	21	25

1/ Includes State inspected and custom-exempt plants.

RED MEAT PRODUCTION: Arizona, 1993-97 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total 2/
1,000 pounds													
1993	20,846	16,469	19,424	20,923	20,228	22,917	21,839	23,203	20,985	20,448	20,852	20,656	248,789
1994	20,678	19,844	22,361	21,571	22,386	25,400	22,984	26,182	23,548	23,876	21,598	21,149	271,576
1995	21,482	21,171	24,002	22,806	28,820	28,730	28,620	30,633	28,704	27,568	25,731	24,275	312,542
1996	27,600	27,900	27,400	28,700	30,800	30,600	29,800	26,400	25,100	26,900	27,100	27,600	335,900
1997	29,000	23,900	25,800	28,300	28,600	29,000	29,500	27,100	25,300	25,800	23,000	26,400	321,700

1/ Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter. 2/ Numbers may not add due to rounding.

COMMERCIAL CATTLE SLAUGHTER: Arizona, 1993-97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total 1/
Number													
1993	30,700	25,100	29,300	31,200	30,200	33,900	32,100	34,200	31,000	29,800	30,400	30,500	368,300
1994	30,300	29,500	33,200	32,100	32,900	36,800	33,500	38,100	34,900	34,900	31,300	30,700	398,200
1995	31,700	31,000	34,700	32,400	40,800	40,000	40,100	43,700	42,200	40,800	37,500	35,000	449,800
1996	40,100	40,800	40,400	42,000	44,400	44,300	43,800	39,900	38,000	40,400	40,000	40,300	494,400
1997	43,000	35,200	37,700	40,700	41,100	42,200	42,700	39,700	37,600	38,600	34,100	38,800	471,300
1,000 lbs liveweight													
1993	34,616	27,490	32,404	34,840	33,811	38,412	36,619	38,897	35,052	34,190	34,828	34,567	415,726
1994	34,607	33,176	37,342	35,967	37,463	42,609	38,475	43,957	39,607	39,997	36,358	35,378	454,936
1995	35,931	35,468	40,164	38,145	48,266	48,202	48,036	51,125	47,936	45,707	41,625	38,896	519,499
1996	44,456	44,619	44,319	46,231	49,295	49,411	48,263	43,018	40,692	43,321	44,099	44,787	542,510
1997	47,252	38,837	42,013	46,133	46,619	47,627	48,274	44,130	41,318	42,079	37,370	42,293	523,946

1/ Numbers may not add due to rounding.

COMMERCIAL HOG SLAUGHTER: Arizona, 1993-97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total 1/
Number													
1993	1,000	1,000	1,300	1,500	1,100	1,000	800	900	1,200	1,000	1,200	1,000	13,000
1994	900	1,000	1,300	1,500	1,000	800	700	800	1,200	900	900	1,000	12,100
1995	1,000	800	1,100	1,100	1,200	1,000	600	800	1,000	1,100	900	900	11,400
1996	1,000	900	900	1,400	1,200	800	700	700	1,000	1,100	800	900	11,400
1997	900	800	900	1,200	1,100	700	700	600	900	800	800	800	10,300
1,000 lbs liveweight													
1993	249	244	294	359	252	246	191	197	287	256	278	234	3,087
1994	235	250	319	347	245	201	165	180	301	237	230	254	2,964
1995	258	204	274	258	292	224	148	197	242	261	219	202	2,781
1996	231	218	224	337	296	189	160	169	244	259	169	190	2,685
1997	189	179	209	265	254	119	151	140	184	176	166	168	2,200

1/ Numbers may not add due to rounding.

COMMERCIAL SHEEP SLAUGHTER: Arizona, 1993-97

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total 1/
Number													
1993 2/	100	100	200	300	100	100		100	200	100	100	100	1,400
1994 2/	100	100	200	200	100								
1995 2/													
1996 2/					100	100	100	100	200	100	100	100	1,300
1997 2/	100		100	200	100	100		100	100	100	100	100	1,100
1,000 lbs liveweight													
1993 2/	6	9	18	33	12	6		15	21	9	11	9	153
1994 2/	11	12	21	20	13								
1995 2/													
1996 2/					17	8	4	8	16	10	5	6	133
1997 2/	10		11	18	12	4		7	13	6	8	6	104

1/ Numbers may not add due to rounding or due to nondisclosure rules. 2/ Numbers not published for some months to avoid disclosure of individual operations.

HONEY

Honey production rebounded from drought plagued 1996, but was still well below 1995. Arizona's 1997 honey production was estimated at 2.56 million pounds, up 33 percent from 1996. Average yield from the 32,000 colonies was 80 pounds. This was up 20 pounds from last year and is the highest yield since 1953.

Prices for the 1997 honey crop averaged 72 cents per pound, down 13 cents from last year. The value of the honey

produced by Arizona apiarists was estimated at 1.84 million dollars, an increase of 13 percent from 1996.

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, Arizona, 1993-97 1/

Year	Number of honey producing colonies	Yield per colony	Production	Average price per pound	Value of production
	1,000	Pounds	1,000 lbs	Cents	1,000 dol.
1993	55	77	4,235	52	2,202
1994	47	59	2,773	51	1,414
1995	52	79	4,108	65	2,670
1996	32	60	1,920	85	1,632
1997	32	80	2,560	72	1,843

1/ December 1 previous year through November 30.

AFRICANIZED HONEY BEES

Africanized honey bees were first introduced into Brazil in 1956, with the intention of improving native production. They escaped into the wild and a few colonies were discovered in Texas in 1990. Their migration north found them in Arizona in 1993.

Individual appearance and sting is the same as our common European honey bee but are less potent. What distinguishes the Africanized bee is how diligently they defend their hives. Many more bees come to the defense of the colony and they are much more likely to sting, even with minimal or no provocation. Away from the hive, however, they are no more aggressive than other bees or wasps.

If you see someone being attacked by bees, encourage them to run away or seek shelter. Do not attempt to rescue them yourself unless you have a bee suit and proper training. Call 911 for emergency help.

For more information on the Africanized honey bee and tips concerning outdoor recreation, pets and livestock, and your home contact your County Cooperative Extension Office.

Information obtained from The University of Arizona, College of Agriculture, Cooperative Extension Service.

-----LIVESTOCK NOTES-----

FIELD CROP HIGHLIGHTS

ALFALFA: Acreage yields were at a record high during 1997. The State average of 8.2 tons per acre surpassed the previous record of 8.0 tons established in 1996. Nationally, alfalfa yields averaged 3.35 tons with the next closest state, California, averaging 7.2 tons per acre. Harvested acres in Arizona were up 20,000 acres from a year earlier and the total production of 1,476,000 tons was up 15 percent. Acreage cut for other hay increased to 40,000 acres, up 21,000 acres from 1996.

Preliminary marketing average prices for alfalfa increased to \$113.00 per ton from \$95.00 the previous year. Prices for other hay during the marketing year averaged \$89.00, an increase of some \$14.50 from the previous year.

BARLEY: Barley acreage in Arizona increased again to 70,000 acres, up 15,000 acres from the previous year. This is the largest barley acreage since 1973 and almost triple the 25,000 acres planted in 1995. Of those 70,000 acres, 67,000 acres were harvested for grain yielding 4,900 pounds per acre, netting a production of 164,020 tons. Nationally, Colorado growers averaged 5,376 pounds per acre to lead the nation and North Dakota was the top producer by a large margin with 2,430,000 tons.

The marketing year average price for Arizona's crop, at \$125.00 per ton, was down \$25.00 from a year earlier. Nationally, barley prices averaged \$100.00 with Wyoming growers leading with an average of \$139.60 received per ton.

CORN: Corn acreage continued to increase with a total of 70,000 acres planted during 1997. Of this 70,000 acres, 50,000 were harvested for grain and 18,000 for silage. Growers tied the California yield at 9,520 pounds per acre.

Oregon led the nation at 10,920 pounds per acre.

Prices received for grain corn decreased to \$117.90 per ton, down 10 percent from last year. Meanwhile, silage prices were up \$5.00 to an average of \$35.00 per ton.

COTTON: Planted acreage for upland was up and long staple was down from a year earlier. Upland, at 325,000 planted acres, was up 10,000 acres while American-Pima, at 22,000 acres, was down 20,000 acres, and was the smallest acreage since 1956. While acreage was down, yields were up; short staple - 1,255 pounds, up 66 pounds and long staple - 912 pounds, up 60 pounds. National averages were; short staple - 679 pounds and long staple - 1,027 pounds. The introduction of insect growth regulators and Bt cotton added to the weapons arsenal and played a large role in insect control and the increased yields.

Prices were down for both types from a year earlier. Upland, at \$.673 per pound, was down \$.024 and American-Pima at \$.991 per pound, was down \$.069. The value of the upland crop, at \$264.9 million, was up 2 percent, but American-Pima, at \$21.4 million, was down 43 percent from 1996.

DURUM WHEAT: Acreage planted to Durum wheat in Arizona dropped to 90,000. Average yields, at 5,400 pounds per acre, were unchanged from the 1996 crop. Average prices received for the crop, at \$156.70 per ton, were down 6 percent.

Other winter wheat acreage in Arizona at 10,000 acres, was down 5,000 acres from the previous year and is becoming hard to find. Yields averaged 5,100 pounds per acre, surpassed only by Nevada's crop average of 6,000 pounds. The national average was 2,700 pounds. Prices averaged \$135.00 per ton.

CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1995-97

Crop	Acres harvested			Production			Value			
	1995	1996	1997	Unit	1995	1996	1997	1995	1996	1997
	1,000 acres				Thousands			1,000 dollars		
ARIZONA										
Upland cotton	364.0	314.0	324.0	Bales	793.0	778.0	847.0	277,487	260,288	264,893
American-Pima cotton	48.1	41.9	22.0	Bales	72.2	74.4	41.8	41,241	37,855	21,406
All cotton	412.1	355.9	346.0	Bales	865.2	852.4	888.8	318,728	298,143	286,299
Cottonseed				Tons	334.0	324.0	312.0	43,754	50,220	44,086
Alfalfa hay	165	160	180	Tons	1,287	1,280	1,476	101,673	121,600	166,788
Other hay	30	19	40	Tons	105	67	164	7,823	4,992	14,596
All hay	195	179	220	Tons	1,392	1,347	1,640	109,496	126,592	181,384
Durum wheat	99	164	89	Tons	255	443	240	40,101	73,800	37,647
Other wheat	23	14	9	Tons	55	40	23	6,937	5,520	3,098
All wheat	122	178	98	Tons	311	483	263	47,038	79,320	40,745
Barley	21	54	67	Tons	45	136	164	5,576	20,129	20,844
Corn for grain	22	40	50	Tons	105	196	238	13,838	25,550	28,050
Corn for silage	8	15	18	Tons	208	405	450	6,656	12,150	15,750
Potatoes	6.5	9.0	6.2	Cwt	1,755	2,475	1,705	13,426	25,245	14,919
Head lettuce Western	41.7	57.0	51.8	Cwt	17,097	16,245	16,835	353,908	212,810	195,286
Head lettuce Other	2.4	2.4	2.1	Cwt	564	468	357	16,356	6,365	6,426
Leaf lettuce	3.2	4.3	5.7	Cwt	1,440	1,441	1,568	70,704	51,876	49,706
Romaine lettuce	5.7	7.4	8.2	Cwt	1,710	1,776	2,624	48,051	34,632	51,168
Dry onions	1.4	1.9	2.1	Cwt	672	760	746	5,331	6,505	9,403
Broccoli	8.6	10.0	9.9	Cwt	946	960	1,238	36,232	24,672	43,578
Cauliflower	4.5	4.4	3.9	Cwt	788	770	780	28,920	25,410	25,896
Carrots	1.9	2.4	2.4	Cwt	523	624	636	9,205	7,925	8,459
Cantaloups	16.0	17.7	20.5	Cwt	3,040	4,071	5,228	61,104	84,677	100,378
Honeydews	3.6	3.8	4.2	Cwt	576	646	735	13,882	11,111	13,598
Watermelons	7.2	7.3	7.5	Cwt	1,800	2,154	2,325	20,520	15,444	18,065
Grapefruit	5.7	5.1	4.7	Ctn	2,800	2,400	1,800	7,787	4,438	2,693
Lemons	16.1	14.2	13.9	Ctn	7,200	10,200	5,200	37,321	40,871	28,285
Oranges	10.4	9.4	9.2	Ctn	2,100	3,300	2,000	7,616	8,612	6,719
Tangerines	5.6	5.5	5.3	Ctn	1,300	2,000	1,100	10,578	10,802	8,367
Grapes 2/	4.5	4.3	4.2	Tons	26.0	25.0	23.0	23,314	20,063	19,665
Apples 2/	4.2	4.2	4.0	Lbs	11,000	100,000	45,000	782	12,432	4,724
UNITED STATES										
Upland cotton	15,795.6	12,612.2	13,032.5	Bales	17,532.2	18,413.5	18,439.9	6,358,184	6,136,592	5,882,683
American-Pima cotton	211.1	255.9	251.0	Bales	367.6	528.5	537.00	216,428	271,552	259,663
All cotton	16,006.7	12,868.1	13,283.5	Bales	17,899.8	18,992.0	18,976.9	6,574,612	6,408,144	6,142,346
Cottonseed				Tons	6,848.7	7,143.5	7,278.0	731,005	914,564	876,450
Alfalfa hay	24,489	24,291	23,673	Tons	84,515	79,517	79,242	6,812,107	7,845,294	8,324,963
Other hay	35,140	36,588	37,142	Tons	69,651	69,940	72,878	4,229,737	4,877,306	5,091,758
All hay	59,629	60,879	60,815	Tons	154,166	149,457	152,120	11,041,844	12,722,600	13,416,721
Durum wheat	3,356	3,556	3,107	Tons	3,068	3,483	2,586	567,541	541,993	418,213
Winter wheat	40,972	39,679	41,813	Tons	46,340	44,316	56,478	6,717,800	6,427,598	6,186,746
Other Spring wheat	16,617	19,692	18,657	Tons	16,070	20,760	16,733	2,501,872	2,845,370	2,006,725
All wheat	60,945	62,927	63,577	Tons	65,478	68,554	75,797	9,787,213	9,814,961	8,611,684
Barley	6,279	6,767	6,425	Tons	8,629	9,498	8,987	1,028,756	1,091,463	917,131
Corn for grain	64,995	73,147	73,720	Tons	206,469	260,216	262,236	24,117,503	25,310,028	24,394,072
Corn for silage	5,295	5,415	5,758	Tons	77,867	83,594	91,903	1/	1/	1/
Potatoes	1,372.1	1,426.0	1,325.5	Cwt	443,606	498,633	459,912	2,991,722	2,430,889	2,604,189
Head lettuce	197.2	202.6	201.8	Cwt	62,349	65,852	68,542	1,463,348	970,798	1,187,830
Leaf lettuce	39.1	41.3	42.3	Cwt	8,924	9,154	9,241	309,477	245,536	244,841
Romaine lettuce	30.5	33.0	33.6	Cwt	8,530	8,651	9,279	215,026	163,132	170,954
Dry onions	164.0	159.3	154.9	Cwt	64,182	61,369	63,883	633,692	581,571	648,437
Broccoli	129.4	131.5	134.2	Cwt	15,815	15,453	17,315	443,304	409,167	495,515
Cauliflower	51.1	46.7	47.4	Cwt	6,528	6,644	6,483	216,548	213,983	197,956
Carrots	81.1	92.2	97.5	Cwt	23,478	26,760	33,599	394,356	355,829	441,193
Cantaloups	102.8	104.2	113.8	Cwt	19,278	22,119	23,556	350,698	400,795	417,859
Honeydews	26.0	27.3	29.4	Cwt	4,332	4,737	5,795	89,193	80,405	109,394
Watermelons	203.9	207.5	184.6	Cwt	40,444	44,135	40,734	357,062	275,684	309,230
Grapefruit	166.4	174.5	182.9	Ctn	142,100	132,400	140,400	307,525	296,134	274,514
Lemons	61.8	60.6	60.4	Ctn	47,200	52,200	45,200	252,572	237,719	261,981
Oranges	771.2	808.1	841.8	Ctn	527,210	527,780	593,240	1,624,061	1,822,576	1,936,416
Tangerines	34.3	38.6	42.5	Ctn	13,400	16,200	18,900	100,285	111,359	118,531
Grapes 2/	754.2	763.8	777.4	Tons	5,922,300	5,554,300	6,836,400	2,047,220	2,371,375	2,691,265
Apples 2/	460.5	461.5	454.2	Lbs	10,389,900	10,340,000	10,168,600	1,765,582	1,644,226	1,687,974

1/ Not available.

2/ Utilized production.

1997 ARIZONA AGRICULTURAL STATISTICS**UPLAND COTTON: Acreage, yield, production, Arizona, by counties, 1993-97 1/**

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs	Bales		Acres		Lbs	Bales
APACHE					MOHAVE				
1993	0				1993	6,200	6,200	1,246	16,100
1994	0				1994	6,000	6,000	1,456	18,200
1995	0				1995	6,400	6,400	1,110	14,800
1996	0				1996	6,200	6,200	1,084	14,000
1997	0				1997	6,200	6,200	1,200	15,500
COCHISE					NAVAJO				
1993	12,000	11,900	545	13,500	1993	0			
1994	12,400	12,300	710	18,200	1994	0			
1995	14,800	14,800	558	17,200	1995	0			
1996	7,500	7,500	973	15,200	1996	0			
1997	9,700	9,500	935	18,500	1997	0			
COCONINO					PIMA				
1993	0				1993	11,100	11,100	1,098	25,400
1994	0				1994	10,300	10,200	1,101	23,400
1995	0				1995	12,400	12,400	1,065	27,500
1996	0				1996	14,000	13,900	1,071	31,000
1997	0				1997	14,500	14,500	1,162	35,100
GILA					PINAL				
1993	0				1993	102,600	102,200	1,110	236,400
1994	0				1994	104,000	103,800	1,188	256,800
1995	0				1995	129,500	129,300	1,023	275,700
1996	0				1996	118,000	117,700	1,194	292,800
1997	0				1997	114,100	113,900	1,256	298,000
GRAHAM					SANTA CRUZ				
1993	8,600	8,500	1,050	18,600	1993	0			
1994	9,400	9,300	914	17,700	1994	0			
1995	6,800	6,700	781	10,900	1995	0			
1996	8,500	8,400	914	16,000	1996	0			
1997	9,900	9,900	1,018	21,000	1997	0			
GREENLEE					YAVAPAI				
1993	800	800	900	1,500	1993	0			
1994	700	700	891	1,300	1994	0			
1995	800	800	600	1,000	1995	0			
1996	1,000	1,000	1,152	2,400	1996	0			
1997	2,000	2,000	672	2,800	1997	0			
LA PAZ					YUMA				
1993	32,500	32,500	1,409	95,400	1993	20,500	20,400	1,332	56,600
1994	27,200	27,100	1,282	72,400	1994	22,000	21,800	1,403	63,700
1995	28,300	28,200	1,100	64,600	1995	27,100	27,000	1,262	71,000
1996	25,300	25,200	1,074	56,400	1996	22,500	22,400	1,284	59,900
1997	25,200	25,200	1,219	64,000	1997	25,000	24,900	1,465	76,000
MARICOPA					ARIZONA				
1993	121,700	121,400	1,291	326,500	1993	316,000	315,000	1,204	790,000
1994	121,000	120,800	1,233	310,300	1994	313,000	312,000	1,203	782,000
1995	138,900	138,400	1,076	310,300	1995	365,000	364,000	1,046	793,000
1996	112,000	111,700	1,247	290,300	1996	315,000	314,000	1,189	778,000
1997	118,400	117,900	1,287	316,100	1997	325,000	324,000	1,255	847,000

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

UPLAND COTTON: Acreage, yield, production, and value, Arizona, 1993-97 1/

Year	Planted	Harvested	Yield per harvested acre	Lint		
				Production	Marketing year average price 2/	Value of production
	Acres		Lbs	Bales	Cents per lb	1,000 dol.
1993	316,000	315,000	1,204	790,000	58.1	220,315
1994	313,000	312,000	1,203	782,000	70.6	265,004
1995	365,000	364,000	1,046	793,000	72.9	277,487
1996	315,000	314,000	1,189	778,000	69.7	260,288
1997	325,000	324,000	1,255	847,000	67.3	264,893

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.

UPLAND COTTON: Farm marketings, Arizona, 1992/93-1996/97

Crop year	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Percent												
1992/93	.0	16.4	14.7	17.9	15.1	12.9	4.7	12.7	3.3	.4	.4	1.5
1993/94	1.2	4.0	10.3	7.5	23.0	18.2	7.0	13.4	7.8	2.5	4.0	1.2
1994/95	1.1	6.1	19.1	48.8	11.4	5.4	1.9	.3	.0	1.8	1.8	2.3
1995/96	1.7	3.3	16.2	21.8	12.6	10.8	10.3	1.9	1.9	1.4	5.5	12.6
1996/97	1.9	10.5	9.8	21.5	11.0	24.9	5.7	8.0	4.3	1.7	.8	1/

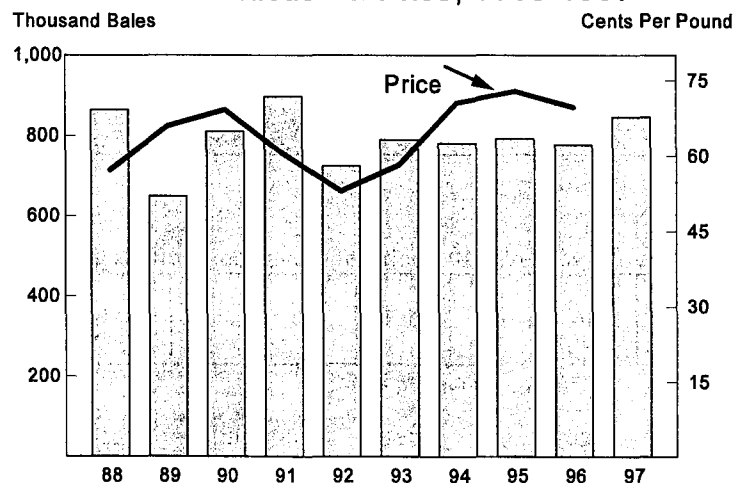
1/ Sales insufficient to establish a price.

UPLAND COTTON: Monthly and marketing year average prices received by growers, Arizona 1993/94-1997/98

Crop year	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Marketing year average
Cents per pound													
1993/94	51.7	52.3	51.7	52.4	54.9	58.4	64.2	62.6	63.5	67.0	67.0	62.8	58.1
1994/95	54.5	61.7	61.2	70.3	71.4	79.9	81.3	94.8	2/	102.3	102.3	97.7	70.6
1995/96	66.9	73.4	71.8	73.2	78.2	74.8	69.0	73.6	72.9	72.1	71.3	71.7	72.9
1996/97	67.7	72.9	67.0	68.3	72.1	68.8	69.0	73.7	68.8	70.4	1/	1/	69.7
1997/98	1/	71.0	68.2	66.3	64.3	62.0	61.9	63.0	56.0	1/	2/	2/	2/

1/ Sales insufficient to establish a price or not published due to nondisclosure rules. 2/ Not available.

**Arizona Upland Cotton
Production & Price, 1988-1997**



1997 ARIZONA AGRICULTURAL STATISTICS

AMERICAN-PIMA COTTON: Acreage, yield, production, Arizona, by counties, 1993-97 1/

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs	Bales		Acres		Lbs	Bales
APACHE					MOHAVE				
1993	0				1993	0			
1994	0				1994	0			
1995	0				1995	0			
1996	0				1996	0			
1997	0				1997	2/			
COCHISE					NAVAJO				
1993	2,800	2,800	206	1,200	1993	0			
1994	2/				1994	0			
1995	2/				1995	0			
1996	2/				1996	0			
1997	2/				1997	0			
COCONINO					PIMA				
1993	0				1993	2,600	2,600	591	3,200
1994	0				1994	2,300	2,300	563	2,700
1995	0				1995	1,100	1,100	480	1,100
1996	0				1996	500	500	480	500
1997	0				1997	2/			
GILA					PINAL				
1993	0				1993	24,500	24,500	709	36,200
1994	0				1994	18,700	18,700	796	31,000
1995	0				1995	16,100	16,000	750	25,000
1996	0				1996	14,700	14,700	826	25,300
1997	2/				1997	5,800	5,800	877	10,600
GRAHAM					SANTA CRUZ				
1993	13,500	13,500	768	21,600	1993	0			
1994	13,400	13,300	790	21,900	1994	0			
1995	17,300	17,000	647	22,900	1995	0			
1996	14,100	14,000	837	24,400	1996	0			
1997	5,700	5,700	825	9,800	1997	0			
GREENLEE					YAVAPAI				
1993	2/				1993	0			
1994	2/				1994	0			
1995	2/				1995	0			
1996	2/				1996	0			
1997	2/				1997	0			
LA PAZ					YUMA				
1993	1,600	1,600	1,020	3,400	1993	1,400	1,400	1,063	3,100
1994	1,700	1,700	904	3,200	1994	1,500	1,500	1,280	4,000
1995	1,900	1,900	657	2,600	1995	1,800	1,800	1,147	4,300
1996	3,500	3,500	946	6,900	1996	2,100	2,100	1,234	5,400
1997	2/				1997	3,500	3,500	1,111	8,100
MARICOPA					ARIZONA				
1993	10,600	10,500	837	18,300	1993	57,000	56,900	734	87,000
1994	9,800	9,800	842	17,200	1994	48,000	47,900	806	80,400
1995	9,500	9,400	797	15,600	1995	48,600	48,100	720	72,200
1996	7,100	7,100	805	11,900	1996	42,000	41,900	852	74,400
1997	6,000	6,000	920	11,500	1997	22,000	22,000	912	41,800

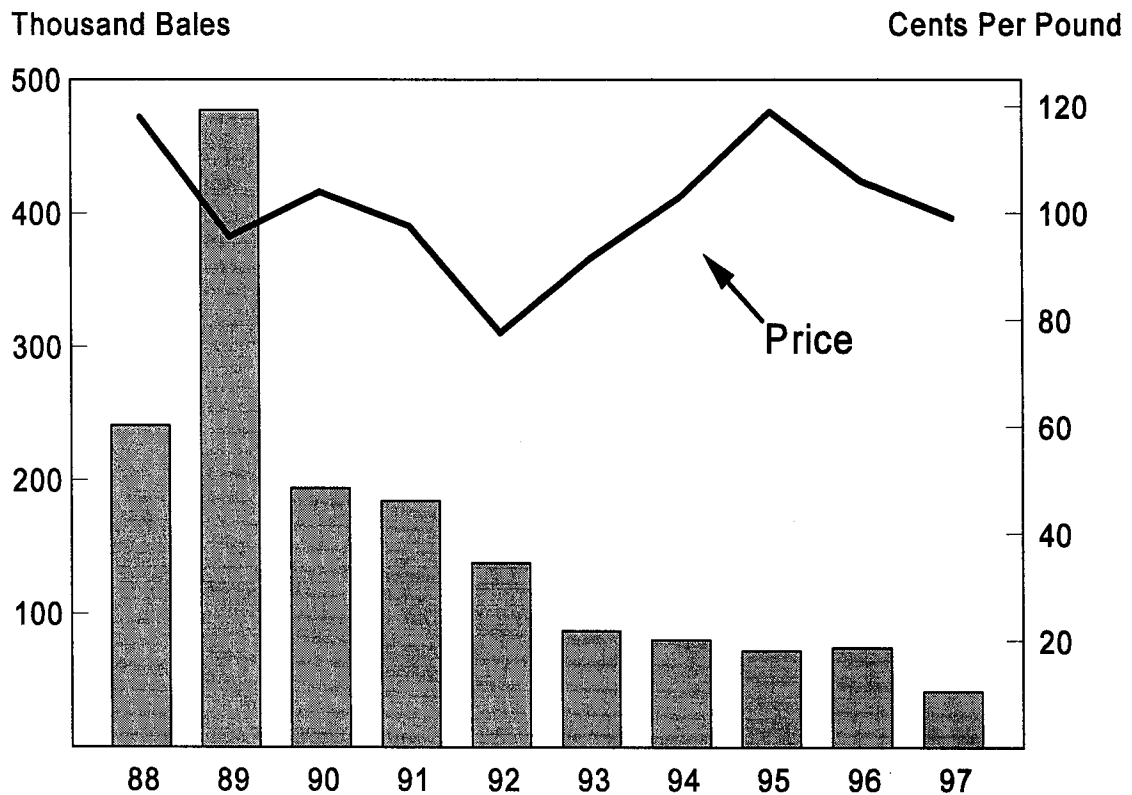
1/ Production estimates are for 480 pound net weight bales. 2/ Less than 500 acres planted not published

AMERICAN-PIMA COTTON: Acreage, yield, production, and value, Arizona, 1993-97 1/

Year	Planted	Harvested	Yield per harvested acre	Lint		
				Production	Marketing year average price 2/	Value of production
	Acres		Lbs	Bales	Cents per lb	1,000 dol.
1993	57,000	56,900	734	87,000	91.6	38,252
1994	48,000	47,900	806	80,400	103.0	39,750
1995	48,600	48,100	720	72,200	119.0	41,241
1996	42,000	41,900	852	74,400	106.0	37,855
1997	22,000	22,000	912	41,800	99.1	21,406

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.

Arizona American Pima Cotton Production & Price, 1988-1997



1997 ARIZONA AGRICULTURAL STATISTICS**ALL COTTON: Acreage, yield, production, Arizona, by counties, 1993-97 1/**

County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs	Bales		Acres		Lbs	Bales
APACHE					MOHAVE				
1993	0				1993	6,200	6,200	1,246	16,100
1994	0				1994	6,000	6,000	1,456	18,200
1995	0				1995	6,400	6,400	1,110	14,800
1996	0				1996	6,200	6,200	1,084	14,000
1997	0				1997	2/			
COCHISE					NAVAJO				
1993	14,800	14,700	480	14,700	1993	0			
1994	2/				1994	0			
1995	2/				1995	0			
1996	2/				1996	0			
1997	2/				1997	0			
COCONINO					PIMA				
1993	0				1993	13,700	13,700	1,002	28,600
1994	0				1994	12,600	12,500	1,002	26,100
1995	0				1995	13,500	13,500	1,017	28,600
1996	0				1996	14,500	14,400	1,050	31,500
1997	0				1997	2/			
GILA					PINAL				
1993	0				1993	127,100	126,700	1,033	272,600
1994	0				1994	122,700	122,500	1,128	287,800
1995	0				1995	145,600	145,300	993	300,700
1996	0				1996	132,700	132,400	1,153	318,100
1997	0				1997	119,900	119,700	1,237	308,600
GRAHAM					SANTA CRUZ				
1993	22,100	22,000	877	40,200	1993	0			
1994	22,800	22,600	841	39,600	1994	0			
1995	24,100	23,700	685	33,800	1995	0			
1996	22,600	22,400	866	40,400	1996	0			
1997	15,600	15,600	948	30,800	1997	0			
GREENLEE					YAVAPAI				
1993	800	800	900	1,500	1993	0			
1994	2/				1994	0			
1995	2/				1995	0			
1996	2/				1996	0			
1997	2/				1997	0			
LA PAZ					YUMA				
1993	34,100	34,100	1,391	98,800	1993	21,900	21,800	1,314	59,700
1994	28,900	28,800	1,260	75,600	1994	23,500	23,300	1,395	67,700
1995	30,200	30,100	1,072	67,200	1995	28,900	28,800	1,255	75,300
1996	28,800	28,700	1,059	63,300	1996	24,600	24,500	1,279	65,300
1997	2/				1997	28,500	28,400	1,421	84,100
MARICOPA					ARIZONA				
1993	132,300	131,900	1,255	344,800	1993	373,000	371,900	1,132	877,000
1994	130,800	130,600	1,204	327,500	1994	361,000	359,900	1,150	862,400
1995	148,400	147,800	1,058	325,900	1995	413,600	412,100	1,008	865,200
1996	119,100	118,800	1,221	302,200	1996	357,000	355,900	1,150	852,400
1997	124,400	123,900	1,269	327,600	1997	347,000	346,000	1,233	888,800

1/ Production estimates are for 480 pound net weight bales. 2/ Less than 500 acres planted not published or either upland or American-Pima cotton not published.

ALL COTTON: Acreage, yield, production, and value, Arizona 1993-97 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Value of production
	Acres		Lbs	Bales	1,000 dol.
1993	373,000	371,900	1,132	877,000	258,567
1994	361,000	359,900	1,150	862,400	304,754
1995	413,600	412,100	1,008	865,200	318,728
1996	357,000	355,900	1,150	852,400	298,143
1997	347,000	346,000	1,233	888,800	286,299

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

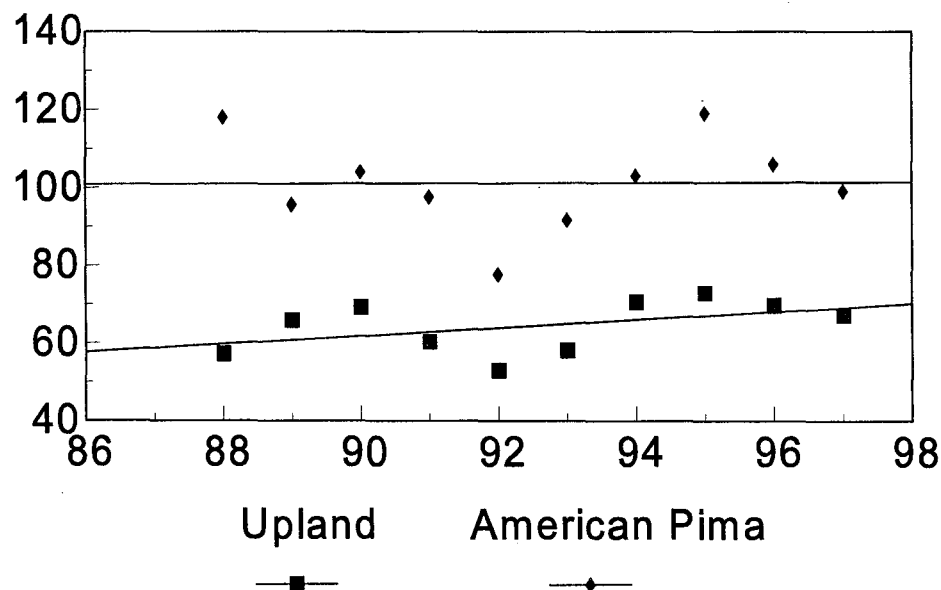
COTTONSEED: Production, disposition, price, and value, Arizona 1993-97

Year	Production	Farm disposition		Used for planting 2/	Marketing year average price 3/	Value of production	Value of sales to oil mills
		Sales to oil mills	Other uses 1/				
		1,000 tons			Dol. per ton	1,000 dollars	
1993	338.0	195.0	143.0	3.2	119.00	40,222	23,205
1994	324.0	174.0	150.0	3.7	129.00	41,796	22,446
1995	334.0	162.0	172.0	3.3	131.00	43,754	21,222
1996	324.0	124.0	200.0	3.2	155.00	50,220	24,800
1997	312.0	73.0	239.0	2.4	134.00	44,086	9,782

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.

ARIZONA UPLAND AND AMERICAN PIMA MARKETING YEAR AVERAGE PRICE, 1988- 1997

CENTS PER POUND



1997 ARIZONA AGRICULTURAL STATISTICS**DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1993-97**

County and year	Planted for all purposes	For grain			County and year	Planted for all purposes	For grain		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
		Acres	Lbs 1/	Tons 1/			Acres	Lbs 1/	Tons 1/
APACHE					MOHAVE				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
COCHISE					NAVAJO				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
COCONINO					PIMA				
1993	2/				1993	2/			
1994	2/				1994	4,400	4,400	5,690	12,510
1995	2/				1995	3,200	3,100	3,770	5,850
1996	2/				1996	5,500	5,500	5,400	14,850
1997	2/				1997	2/			
GILA					PINAL				
1993	2/				1993	18,000	17,500	5,400	47,250
1994	2/				1994	37,000	36,500	5,030	91,800
1995	2/				1995	45,100	44,600	4,420	98,460
1996	2/				1996	56,400	56,000	4,810	134,550
1997	2/				1997	26,600	26,600	4,800	63,840
GRAHAM					SANTA CRUZ				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	1,100	1,000	4,200	2,100	1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
GREENLEE					YAVAPAI				
1993	2/				1993	500	100	4,200	210
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
LA PAZ					YUMA				
1993	2,000	2,000	4,800	4,800	1993	7,400	5,400	5,340	14,420
1994	2,100	2,100	6,000	6,300	1994	20,000	19,900	6,030	60,000
1995	3,200	3,200	5,180	8,280	1995	26,800	26,600	6,290	83,610
1996	8,000	8,000	4,880	19,500	1996	47,300	47,000	6,000	141,000
1997	4,600	4,500	5,460	12,290	1997	30,400	29,800	5,820	86,720
MARICOPA					ARIZONA				
1993	23,000	21,000	5,520	57,960	1993	55,000	50,000	5,400	135,000
1994	30,000	29,600	5,620	83,100	1994	95,000	94,000	5,460	256,620
1995	20,000	19,900	5,570	55,380	1995	100,000	99,000	5,160	255,420
1996	45,500	45,200	5,610	126,750	1996	165,000	164,000	5,400	442,800
1997	25,200	25,100	5,520	69,280	1997	90,000	89,000	5,400	240,300

1/ Converted from 60 pound bushels and rounded. Numbers may not add due to rounding. 2/ Less than 1,000 acres planted not published.

DURUM WHEAT: Acreage, yield, production, price, and value, Arizona, 1993-97

Year	Planted for all purposes	For grain				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1993	55,000	50,000	5,400	135,000	128.30	17,325
1994	95,000	94,000	5,460	256,620	144.70	37,124
1995	100,000	99,000	5,160	255,420	157.00	40,101
1996	165,000	164,000	5,400	442,800	166.70	73,800
1997	90,000	89,000	5,400	240,300	156.70	37,647

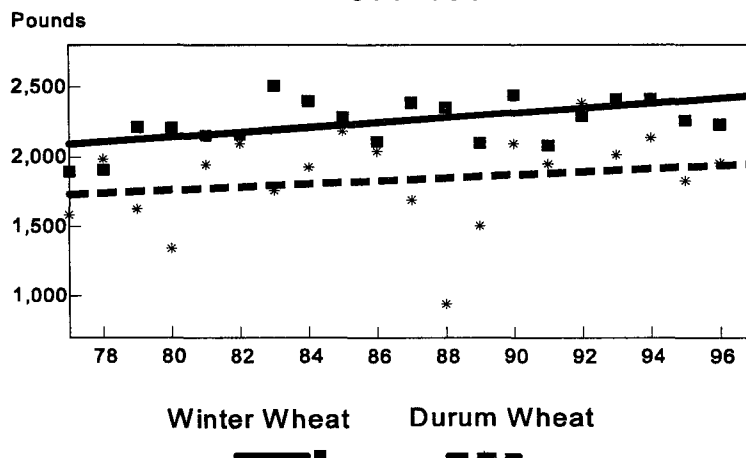
1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.
2/ Converted from 60 pound bushels and rounded.

DURUM WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1992/93-1996/97

Crop year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Marketing year average
Dollars per ton													
1992/93	132.00	131.30	130.00	--	--	--	--	--	--	--	132.00	--	131.70
1993/94	130.70	134.00	121.30	--	150.00	--	--	--	--	130.00	--	--	128.30
1994/95	142.70	144.30	150.00	145.00	--	--	--	--	--	--	140.00	150.00	144.70
1995/96	155.00	158.00	155.00	160.00	--	--	--	--	--	--	--	--	157.00
1996/97	181.70	1/	1/	1/	--	--	--	--	--	--	--	--	166.70

1/ Not available.

**U.S. Wheat Yield Trends
1977-1997**



1997 ARIZONA AGRICULTURAL STATISTICS

OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1993-97

County and year	Planted for all purposes	For grain			County and year	Planted for all purposes	For grain		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
		Acres	Lbs 1/	Tons 1/			Acres	Lbs 1/	Tons 1/
APACHE					MOHAVE				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	3/				1997	3/			
COCHISE					NAVAJO				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	3/				1997	3/			
COCONINO					PIMA				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	1,300	1,200	5,300	3,180
1996	2/				1996	1,000	1,000	5,400	2,700
1997	3/				1997	3/			
GILA					PINAL				
1993	2/				1993	3,600	3,400	5,280	8,980
1994	2/				1994	3,000	2,700	4,670	6,300
1995	2/				1995	800	600	5,500	1,650
1996	2/				1996	2,100	2,100	5,430	5,700
1997	3/				1997	1,600	1,200	4,860	2,920
GRAHAM					SANTA CRUZ				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	3/				1997	3/			
GREENLEE					YAVAPAI				
1993	2/				1993	700	700	3,000	1,050
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	3/				1997	3/			
LA PAZ					YUMA				
1993	5,000	5,000	5,640	14,100	1993	19,600	16,500	5,930	48,960
1994	3,900	3,600	5,420	9,750	1994	15,000	14,200	5,920	42,000
1995	1,500	1,400	6,640	4,650	1995	5,700	5,300	7,070	18,750
1996	3,000	3,000	6,260	9,390	1996	3,000	3,000	6,000	9,000
1997	2,100	1,800	5,460	4,900	1997	2,000	1,900	5,280	5,020
MARICOPA					ARIZONA				
1993	8,000	7,000	5,820	20,370	1993	40,000	35,000	5,640	98,700
1994	6,000	5,700	5,470	15,600	1994	30,000	28,000	5,640	78,960
1995	15,200	14,100	3,670	25,860	1995	25,000	23,000	4,800	55,200
1996	4,600	4,600	5,280	12,150	1996	15,000	14,000	5,700	39,900
1997	3,600	3,500	4,980	8,720	1997	10,000	9,000	5,100	22,950

1/ Converted from 60 pound bushels and rounded. 2/ Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations. 3/ Less than 1,000 acres planted not published.

OTHER WHEAT: Acreage, yield, production, price and value, Arizona, 1993-97

Year	Planted for all purposes	For grain				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1993	40,000	35,000	5,640	98,700	107.70	10,627
1994	30,000	28,000	5,640	78,960	114.70	9,054
1995	25,000	23,000	4,800	55,200	125.70	6,937
1996	15,000	14,000	5,700	39,900	138.30	5,520
1997	10,000	9,000	5,100	22,950	135.00	3,098

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

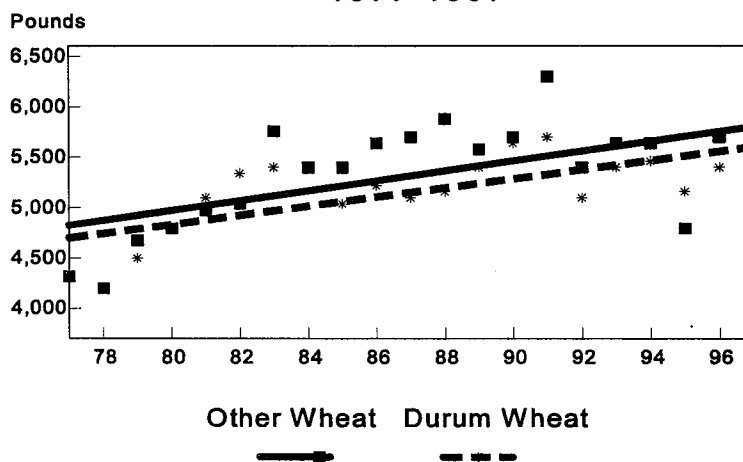
2/ Converted from 60 pound bushels and rounded.

OTHER WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1992/93-1996/97

Crop year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Marketing year average
Dollars per ton													
1992/93	115.70	117.70	110.00	--	127.00	--	--	--	--	--	115.00	--	121.00
1993/94	114.00	110.00	101.30	--	112.00	--	--	--	--	--	--	--	107.70
1994/95	115.70	113.70	110.00	120.00	127.70	--	--	--	--	--	--	--	114.70
1995/96	130.00	119.30	120.00	--	--	--	--	--	--	--	--	--	125.70
1996/97 1/	--	--	--	--	--	--	--	--	--	--	--	--	138.30

1/ Monthly average prices not available.

Arizona Wheat Yield Trends 1977-1997



1997 ARIZONA AGRICULTURAL STATISTICS

ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1993-97

County and year	Planted for all purposes	For grain			County and year	Planted for all purposes	For grain		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
		Acres	Lbs 1/	Tons 1/			Acres	Lbs 1/	Tons 1/
APACHE					MOHAVE				
1993	2/				1993	600	600	3,700	1,110
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
COCHISE					NAVAJO				
1993	2/				1993	900	800	3,150	1,260
1994	1,300	1,200	4,400	2,640	1994	2/			
1995	2/				1995	2/			
1996	1,100	1,100	5,180	2,850	1996	2/			
1997	2/				1997	2/			
COCONINO					PIMA				
1993	2/				1993	3,000	2,900	5,570	8,070
1994	2/				1994	4,400	4,400	5,690	12,510
1995	2/				1995	4,500	4,300	4,200	9,030
1996	2/				1996	6,500	6,500	5,400	17,550
1997	2/				1997	2,850	2,750	5,390	7,410
GILA					PINAL				
1993	2/				1993	21,600	20,900	5,380	56,230
1994	2/				1994	40,000	39,200	5,010	98,100
1995	2/				1995	45,900	45,200	4,430	100,110
1996	2/				1996	58,500	58,100	4,830	140,250
1997	2/				1997	28,200	27,800	4,800	66,720
GRAHAM					SANTA CRUZ				
1993	1,100	1,000	5,620	2,810	1993	2/			
1994	1,800	1,600	6,260	5,010	1994	2/			
1995	1,100	1,000	4,200	2,100	1995	2/			
1996	1,500	1,500	5,680	4,260	1996	2/			
1997	2/				1997	2/			
GREENLEE					YAVAPAI				
1993	2/				1993	1,200	800	3,150	1,260
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
LA PAZ					YUMA				
1993	7,000	7,000	5,400	18,900	1993	27,000	21,900	5,790	63,380
1994	6,000	5,700	5,630	16,050	1994	35,000	34,100	5,980	102,000
1995	4,700	4,600	5,620	12,930	1995	32,500	31,900	6,420	102,360
1996	11,000	11,000	5,250	28,890	1996	50,300	50,000	6,000	150,000
1997	6,700	6,300	5,460	17,200	1997	32,400	31,700	5,790	91,770
MARICOPA					ARIZONA				
1993	31,000	28,000	5,600	78,330	1993	95,000	85,000	5,500	233,700
1994	36,000	35,300	5,590	98,700	1994	125,000	122,000	5,500	335,580
1995	35,200	34,000	4,780	81,240	1995	125,000	122,000	5,090	310,620
1996	50,100	49,800	5,580	138,900	1996	180,000	178,000	5,420	482,700
1997	28,800	28,600	5,450	77,940	1997	100,000	98,000	5,370	263,200

1/ Converted from 60 pound bushels and rounded. 2/ Less than 1,000 acres planted not published.

ALL WHEAT: Acreage, yield, production, price, and value, Arizona, 1993-97

Year	Planted for all purposes	For grain				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1993	95,000	85,000	5,500	233,700	122.30	27,952
1994	125,000	122,000	5,500	335,580	140.70	46,178
1995	125,000	122,000	5,090	310,620	151.40	47,038
1996	180,000	178,000	5,420	482,700	166.70	79,320
1997	100,000	98,000	5,370	263,250	156.70	40,745

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

2/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Farm marketings, Arizona, 1991/92-1996/97

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Percent												
1991/92	8	29	51	1	0	0	1	10	0	0	0	0
1992/93	38	44	3	0	14	0	0	0	0	0	1	0
1993/94	24	37	37	0	2	0	0	0	0	0	0	0
1994/95	25	60	12	2	0	0	0	0	0	0	0	1
1995/96	19	54	23	4	0	0	0	0	0	0	0	0
1996/97 1/												

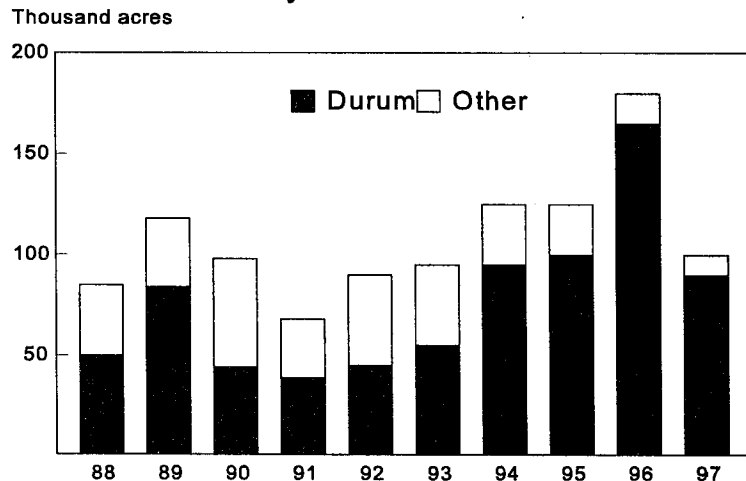
1/ Not available.

ALL WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1992/93-1996/97

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
Dollars per ton													
1992/93	128.00	128.70	126.70	--	127.00	--	--	--	--	--	128.00	--	128.00
1993/94	129.00	122.70	116.30	--	144.70	--	--	--	--	130.00	--	--	122.30
1994/95	136.70	141.00	146.70	137.30	127.70	--	--	--	--	--	140.00	150.00	140.70
1995/96	149.30	156.00	155.00	160.00	--	--	--	--	--	--	--	--	151.40
1996/97	181.70	1/	1/	1/	--	--	--	--	--	--	--	--	166.70

1/ Not available.

**Arizona Wheat Acreage Harvested
By Year 1988 - 1997**



1997 ARIZONA AGRICULTURAL STATISTICS**BARLEY: Acreage, yield, and production, Arizona, by counties, 1993-97**

County and year	Planted for all purposes	For grain			County and year	Planted for all purposes	For grain		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
		Acres	Lbs 1/	Tons 1/			Acres	Lbs 1/	Tons 1/
APACHE					MOHAVE				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
COCHISE					NAVAJO				
1993	2,100	1,800	3,330	3,000	1993	2/			
1994	1,700	1,600	5,100	4,080	1994	2/			
1995	2,000	1,400	4,870	3,410	1995	2/			
1996	4,800	4,800	5,000	12,000	1996	2/			
1997	2,700	2,500	5,230	6,540	1997	2/			
COCONINO					PIMA				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	1,000	1,000	4,700	2,350
1997	2/				1997	1,500	1,400	4,750	3,330
GILA					PINAL				
1993	2/				1993	11,300	10,800	4,950	26,710
1994	2/				1994	15,300	14,900	4,410	32,880
1995	2/				1995	9,000	8,000	4,760	19,060
1996	2/				1996	26,000	26,000	5,190	67,440
1997	2/				1997	31,300	30,100	4,990	75,130
GRAHAM					SANTA CRUZ				
1993	1,000	900	4,850	2,180	1993	2/			
1994	2/				1994	2/			
1995	1,100	2/			1995	2/			
1996	1,400	1,400	5,760	4,030	1996	2/			
1997	2,100	1,900	5,710	5,430	1997	2/			
GREENLEE					YAVAPAI				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	1,700	1,600	5,470	4,380	1997	2/			
LA PAZ					YUMA				
1993	3/				1993	2,300	2,000	4,780	4,780
1994	3/				1994	2,000	2,000	5,640	5,640
1995	3/				1995	1,500	1,400	4,110	2,880
1996	3/				1996	2,000	2,000	5,280	5,280
1997	2/				1997	3,600	3,300	4,940	8,160
MARICOPA					ARIZONA				
1993	13,800	13,100	4,910	32,160	1993	32,000	29,000	4,800	69,600
1994	13,500	13,000	4,370	28,420	1994	35,000	33,000	4,560	75,240
1995	11,000	9,300	4,050	18,840	1995	25,000	21,000	4,320	45,360
1996	18,400	18,400	4,790	44,090	1996	55,000	54,000	5,040	136,080
1997	26,400	25,600	4,660	59,600	1997	70,000	67,000	4,900	164,020

1/ Converted from 48 pound bushels and rounded. 2/ Less than 1,000 acres planted not published. 3/ Acres and production included with Yuma County to avoid disclosure of individual operations.

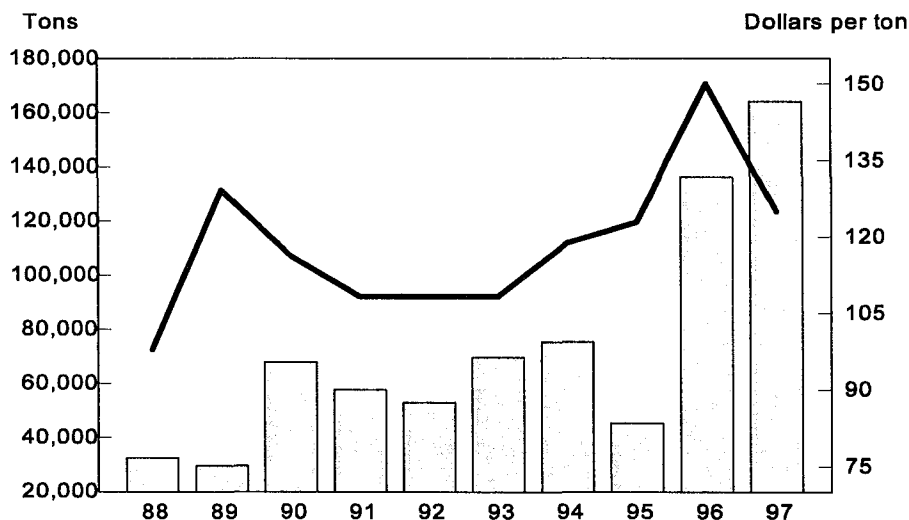
BARLEY: Acreage, yield, production, price, and value, Arizona, 1993-97

Year	Planted for all purposes	For grain				
		Harvested	Yield per acre	Production	Market year average price 1/	Value of production
	Acres		Lbs 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1993	32,000	29,000	4,800	69,600	108.30	7,540
1994	35,000	33,000	4,560	75,240	118.80	8,935
1995	25,000	21,000	4,320	45,360	122.90	5,576
1996	55,000	54,000	5,040	136,080	150.00	20,129
1997	70,000	67,000	4,900	164,020	125.00	20,844

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

2/ Converted from 48 pound bushels and rounded.

**Arizona Barley
Production & Price 1988 - 1997**



1997 ARIZONA AGRICULTURAL STATISTICS

CORN: Acreage, yield, and production, Arizona, by counties, 1993-97

County and year	Planted for all purposes	For grain			County and year	Planted for all purposes	For grain		
		Harvested	Yield per acre	Production			Harvested	Yield per acre	Production
		Acres	Lbs 1/	Tons 1/			Acres	Lbs 1/	Tons 1/
APACHE					MOHAVE				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	2/			
COCHISE					NAVAJO				
1993	7,300	5,000	9,300	23,250	1993	2/			
1994	11,500	10,100	9,700	49,000	1994	2/			
1995	9,500	9,400	10,780	50,680	1995	2/			
1996	18,000	17,500	10,640	93,100	1996	2/			
1997	21,200	20,900	10,020	104,750	1997	2/			
COCONINO					PIMA				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	2/				1996	2/			
1997	2/				1997	1,000	900	6,940	3,120
GILA					PINAL				
1993	2/				1993	1,300	400	6,450	1,290
1994	2/				1994	1,500	2/		
1995	2/				1995	2,000	2/		
1996	2/				1996	6,500	3,100	9,970	15,450
1997	2/				1997	10,300	5,900	8,680	25,610
GRAHAM					SANTA CRUZ				
1993	3,500	3,000	9,520	14,280	1993	2/			
1994	3,400	2,500	9,540	11,930	1994	2/			
1995	3,700	3,600	8,930	16,070	1995	2/			
1996	3,400	3,100	8,740	13,550	1996	2/			
1997	5,400	4,800	10,470	25,130	1997	2/			
GREENLEE					YAVAPAI				
1993	2/				1993	2/			
1994	2/				1994	2/			
1995	2/				1995	2/			
1996	900	800	7,840	3,140	1996	2/			
1997	1,800	900	7,730	3,480	1997	2/			
LA PAZ					YUMA				
1993	2/				1993	2/			
1994	2/				1994	1,800	1,600	8,820	7,060
1995	2/				1995	2,800	2,600	9,910	12,880
1996	1,000	1,000	8,400	4,200	1996	6,000	5,800	9,240	26,800
1997	2/				1997	9,500	8,800	9,180	40,400
MARICOPA					ARIZONA				
1993	5,400	600	7,000	2,100	1993	19,000	10,000	8,960	44,800
1994	8,100	2/			1994	28,000	15,000	9,520	71,400
1995	9,900	3,900	7,340	14,310	1995	30,000	22,000	9,520	104,720
1996	17,700	7,600	9,240	35,110	1996	55,000	40,000	9,800	196,000
1997	18,800	6,200	9,070	28,130	1997	70,000	50,000	9,520	238,000

1/ Converted from 56 pound bushels and rounded. 2/ Less than 1,000 acres planted not published after 1996. Prior to 1997 acres planted too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.

CORN: Acreage, yield, production, price, and value, Arizona, 1993-97

Year	Planted for all purposes	For grain				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs 2/	Tons 2/	Dol. Per ton 2/	1,000 dol.
1993	19,000	10,000	8,960	44,800	110.10	4,976
1994	28,000	15,000	9,520	71,400	116.10	8,288
1995	30,000	22,000	9,520	104,720	132.10	13,838
1996	55,000	40,000	9,800	196,000	130.40	25,550
1997	70,000	50,000	9,520	238,000	117.90	28,050

1/ Average price for the September through August marketing season. Prices do not include an allowance for loans outstanding and government purchases. 2/ Converted from 56 pound bushels and rounded.

CORN FOR SILAGE: Acreage, yield, production, price, and value, Arizona 1993-97

Year	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1993	9,000	27.0	243,000	35.00	8,500
1994	13,000	28.0	364,000	25.00	9,100
1995	8,000	26.0	208,000	32.00	6,656
1996	15,000	27.0	405,000	30.00	12,150
1997	18,000	25.0	450,000	35.00	15,750

GRAIN STOCKS: Off farm storage facilities December 1, Arizona, 1993-97

Year	Facilities 1/	Storage capacity
	Number	Tons
1993	35	633,250
1994	33	557,500
1995	33	615,000
1996	31	575,500
1997	30	459,000

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

ON FARM HAY STOCKS: Arizona, 1993-98

Month	1993	1994	1995	1996	1997	1998
	Tons					
May 1 1/	37,000	25,000	27,000	28,000	28,000	25,000
December 1	124,000	133,000	265,000	82,000	167,000	

1/ Includes old crop only.

1997 ARIZONA AGRICULTURAL STATISTICS

ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1993-97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				MOHAVE			
1993	1,500	3.0	4,500	1993	6,000	6.7	40,000
1994	1,000	3.0	3,000	1994	8,000	7.0	56,000
1995	1,000	2.5	2,500	1995	7,000	7.8	54,600
1996	1,300	3.1	4,000	1996	5,000	8.0	40,000
1997	2/			1997	5,000	8.2	41,000
COCHISE				NAVAJO			
1993	5,000	5.8	29,000	1993	1,700	3.8	6,500
1994	6,000	6.0	36,000	1994	2/		
1995	7,000	5.6	39,200	1995	2/		
1996	5,500	6.2	34,000	1996	2/		
1997	2/			1997	2/		
COCONINO				PIMA			
1993	500	6.0	3,000	1993	3,000	9.3	28,000
1994	2/			1994	2/		
1995	2/			1995	1,400	8.9	12,500
1996	2/			1996	2,000	6.5	13,000
1997	2/			1997	2/		
GILA				PINAL			
1993	500	5.0	2,500	1993	14,000	7.6	106,000
1994	2/			1994	17,500	7.5	132,000
1995	2/			1995	22,000	6.4	140,000
1996	2/			1996	17,000	7.8	132,000
1997	2/			1997	19,700	8.3	163,500
GRAHAM				SANTA CRUZ			
1993	2,000	6.0	12,000	1993	2/		
1994	2/			1994	2/		
1995	2,500	6.7	16,800	1995	2/		
1996	3,000	6.3	19,000	1996	2/		
1997	2/			1997	2/		
GREENLEE				YAVAPAI			
1993	2/			1993	1,500	6.0	9,000
1994	2/			1994	1,000	5.0	5,000
1995	1,000	9.5	9,500	1995	1,200	6.0	7,200
1996	2/			1996	1,000	4.5	4,500
1997	2/			1997	2/		
LA PAZ				YUMA			
1993	40,500	7.5	305,000	1993	30,000	8.1	243,000
1994	40,000	7.5	300,000	1994	28,000	8.6	240,000
1995	35,000	7.4	259,000	1995	29,400	9.0	265,000
1996	33,500	8.4	280,000	1996	36,000	8.1	291,000
1997	45,000	8.5	382,500	1997	37,100	8.2	304,300
MARICOPA				ARIZONA			
1993	43,000	7.3	316,000	1993	150,000	7.4	1,110,000
1994	51,000	7.5	384,000	1994	160,000	7.5	1,200,000
1995	55,500	8.5	472,000	1995	165,000	7.8	1,287,000
1996	54,000	8.4	453,000	1996	160,000	8.0	1,280,000
1997	57,000	8.5	484,500	1997	180,000	8.2	1,476,000

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, Arizona, by counties, 1993-97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				MOHAVE			
1993	1,500	2.3	3,500	1993	1,400	5.0	7,000
1994	1,000	2.0	2,000	1994	1,900	3.7	7,000
1995	2/			1995	1,300	3.1	4,000
1996	2/			1996	1,000	3.2	3,200
1997	2/			1997	1,500	3.8	5,700
COCHISE				NAVAJO			
1993	600	3.3	2,000	1993	500	4.0	2,000
1994	1,000	3.0	3,000	1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
COCONINO				PIMA			
1993	600	3.3	2,000	1993	500	4.0	2,000
1994	2/			1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
GILA				PINAL			
1993	500	3.0	1,500	1993	1,500	3.3	5,000
1994	2/			1994	1,300	3.1	4,000
1995	2/			1995	1,800	3.6	6,500
1996	2/			1996	1,000	3.8	3,800
1997	2/			1997	3,700	4.0	14,800
GRAHAM				SANTA CRUZ			
1993	500	4.0	2,000	1993	2/		
1994	2/			1994	2/		
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
GREENLEE				YAVAPAI			
1993	2/			1993	1,200	3.8	4,500
1994	2/			1994	1,000	3.0	3,000
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	2/			1997	2/		
LA PAZ				YUMA			
1993	7,000	4.7	33,000	1993	13,000	2.7	35,000
1994	6,000	3.7	22,000	1994	15,500	3.8	59,000
1995	5,000	4.0	20,000	1995	14,000	3.3	46,000
1996	2,500	2.8	7,000	1996	8,800	4.0	35,000
1997	6,100	4.1	25,000	1997	16,600	4.3	71,300
MARICOPA				ARIZONA			
1993	5,500	4.4	24,000	1993	35,000	3.6	126,000
1994	4,500	4.0	18,000	1994	35,000	3.6	126,000
1995	5,000	4.2	20,800	1995	30,000	3.5	105,000
1996	2,800	3.3	9,100	1996	19,000	3.5	67,000
1997	7,200	4.1	29,500	1997	40,000	4.1	164,000

1/ Does not include green chop or grazed. 2/ Less than 1,000 acres harvested not published after 1994.

1997 ARIZONA AGRICULTURAL STATISTICS**ALL HAY: Acreage, yield, and production, Arizona, by counties, 1993-97 1/**

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				MOHAVE			
1993	3,000	2.7	8,000	1993	7,400	6.4	47,000
1994	2,000	2.5	5,000	1994	9,900	6.4	63,000
1995	2/			1995	8,300	7.1	58,600
1996	2/			1996	6,000	7.2	43,200
1997	1,900	3.4	6,300	1997	6,500	7.2	46,700
COCHISE				NAVAJO			
1993	5,600	5.5	31,000	1993	2,200	3.9	8,500
1994	7,000	5.6	39,000	1994	1,700	2.9	5,000
1995	2/			1995	1,000	3.9	3,900
1996	2/			1996	2/		
1997	6,400	5.9	37,500	1997	2,100	5.7	11,900
COCONINO				PIMA			
1993	1,100	4.5	5,000	1993	3,500	8.6	30,000
1994	1,000	3.0	3,000	1994	2,400	7.9	19,000
1995	2/			1995	2/		
1996	600	3.8	2,300	1996	2/		
1997	1,000	4.8	4,800	1997	2,800	6.6	17,200
GILA				PINAL			
1993	1,000	4.0	4,000	1993	15,500	7.2	111,000
1994	1,100	2.7	3,000	1994	18,800	7.2	136,000
1995	2/			1995	23,800	6.2	146,500
1996	2/			1996	18,000	7.5	135,800
1997	3/			1997	23,400	7.6	178,300
GRAHAM				SANTA CRUZ			
1993	2,500	5.6	14,000	1993	700	5.0	3,500
1994	2,400	5.0	12,000	1994	700	5.0	3,500
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	3,800	6.7	25,300	1997	3/		
GREENLEE				YAVAPAI			
1993	800	5.6	4,500	1993	2,700	5.0	13,500
1994	1,000	6.5	6,500	1994	2,000	4.0	8,000
1995	2/			1995	2/		
1996	2/			1996	2/		
1997	3/			1997	1,700	3.8	6,400
LA PAZ				YUMA			
1993	47,500	7.1	338,000	1993	43,000	6.5	278,000
1994	46,000	7.0	322,000	1994	43,500	6.9	299,000
1995	40,000	7.0	279,000	1995	43,400	7.2	311,000
1996	36,000	8.0	287,000	1996	44,800	7.3	326,000
1997	51,100	8.0	407,500	1997	53,700	7.0	375,600
MARICOPA				ARIZONA			
1993	48,500	7.0	340,000	1993	185,000	6.68	1,236,000
1994	55,500	7.2	402,000	1994	195,000	6.80	1,326,000
1995	60,500	8.2	492,800	1995	195,000	7.14	1,392,000
1996	56,800	8.1	462,100	1996	179,000	7.53	1,347,000
1997	64,200	8.0	514,000	1997	220,000	7.50	1,640,000

1/ Does not include green chop or grazed. 2/ Alfalfa or other hay figures may have been published. Sum may not be published to avoid disclosure of acres harvested too small to warrant quantitative estimate. 3/ Less than 1,000 acres harvested not published.

ALL HAY: Acreage, yield, production, price, and value, Arizona, 1993-97 1/

Year	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1993	185,000	6.68	1,236,000	92.50	114,432
1994	195,000	6.80	1,326,000	100.00	133,554
1995	195,000	7.14	1,392,000	78.50	109,496
1996	179,000	7.53	1,347,000	94.00	126,592
1997	220,000	7.45	1,640,000	111.00	181,384

1/ Does not include green chop or grazed. 2/ Average price for the April through March marketing season.

ALL HAY: Farm marketings, Arizona, 1992/93-1996/97 1/

Crop year	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
	Percent											
1992/93	8	9	11	11	12	10	10	6	7	5	6	5
1993/94	8	9	11	11	12	10	10	6	7	5	6	5
1994/95	11	10	11	10	10	11	7	7	6	6	5	6
1995/96	11	10	11	10	10	11	7	7	6	6	5	6
1996/97	10	15	13	11	10	9	9	6	4	3	4	6

1/ Hay production and sales (marketings) survey conducted biennially beginning 1992/93; percentages carried forward marketing year 1993/94, 1995/96.

ALL HAY: Monthly and marketing year average prices received by growers, Arizona, 1993/94-1997/98 1/

Crop year 2/	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Marketing year average
	Dollars per ton												
1993/94	100.00	95.00	76.00	80.00	78.00	82.00	90.00	99.00	109.00	108.00	126.00	116.00	92.50
1994/95	112.00	96.00	95.00	90.00	90.00	101.00	103.00	104.00	115.00	107.00	103.00	98.00	100.00
1995/96	91.00	88.00	73.00	69.00	64.00	65.00	77.00	81.00	84.00	82.00	85.00	97.00	78.50
1996/97	100.00	92.00	85.00	78.00	78.00	80.00	97.00	107.00	99.00	116.00	124.00	124.00	94.00
1997/98	140.00	127.00	106.00	103.00	96.00	88.00	98.00	97.00	105.00	110.00	107.00	105.00	111.00

1/ Does not include green chop or grazed. 2. Preliminary for 1997/98.

ALFALFA HAY: Monthly and marketing year average prices received by growers, Arizona, 1993/94-1997/98 1/

Crop year 2/	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Marketing year average
	Dollars per ton												
1993/94	101.00	91.00	79.00	79.00	78.00	82.00	90.00	99.00	109.00	108.00	126.00	116.00	93.50
1994/95	115.00	98.00	98.00	93.00	92.00	104.00	105.00	108.00	118.00	109.00	104.00	99.00	103.00
1995/96	91.00	88.00	73.00	69.00	64.00	65.00	77.00	81.00	84.00	87.00	87.00	97.00	79.00
1996/97	101.00	92.00	85.00	82.00	81.00	84.00	98.00	109.00	100.00	119.00	126.00	125.00	95.00
1997/98	141.00	127.00	106.00	104.00	96.00	90.00	99.00	100.00	106.00	110.00	108.00	105.00	113.00

1/ Does not include green chop or grazed. 2/ Preliminary for 1997/98.

OTHER HAY: Monthly and marketing year average prices received by growers, Arizona 1993/94-1997/98 1/

Crop year 2/	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Marketing year average
	Dollars per ton												
1993/94	91.00	114.00	55.00	82.00	82.00	85.00	--	--	--	--	--	--	84.50
1994/95	100.00	--	--	60.00	73.00	--	--	--	--	--	--	--	79.00
1995/96	--	67.00	66.00	71.00	62.00	73.00	85.00	73.00	80.00	73.00	70.00	73.00	74.50
1996/97	63.00	96.00	93.00	53.00	47.00	62.00	69.00	87.00	75.00	60.00	60.00	50.00	74.50
1997/98	74.00	132.00	98.00	95.00	94.00	80.00	67.00	68.00	80.00	102.00	91.00	96.00	89.00

1/ Does not include green chop or grazed. 2/ Preliminary for 1997/98.

OTHER FIELD CROPS: Acreage, production, and value, Arizona 1993-97

Crop	Year	Harvested	Unit	Production	Value of production
		Acres		1,000	1,000 dol.
DRY BEANS	1993	1,500	Cwt	33	990
	1994	7,300		124	2,308
	1995	7,100		121	2,209
	1996	3,800		65	1,203
	1997	2,700		40	800
JOJOBA	1993	10,000	Lb	2,000	1,200
	1994	6,000		1,800	1,800
	1995	6,000		1,800	2,250
	1996	6,000		1,800	2,340
	1997	6,000		1,800	2,880
OATS FOR GRAIN	1993	3,000	Lb	9,000	630
	1994	4,500		11,700	468
	1995	3,500		14,000	700
	1996	2,000		8,000	560
	1997	4,200		8,125	650
PEANUTS	1993	850	Lb	2,975	925
	1994	1,000		2,500	750
	1995	800		1,720	499
	1996	800		1,760	528
	1997	525		1,415	425
SAFFLOWER	1993	17,200	Ton	21.5	3,515
	1994	6,000		5.5	4,128
	1995	4,000		5.0	1,314
	1996	3,000		4.1	1,283
	1997	2,000		2.4	1,110
SORGHUM GRAIN	1993	20,000	Ton	30.0	4,200
	1994	15,000		19.5	3,510
	1995	12,000		24.0	2,880
	1996	45,000		94.5	8,505
	1997	22,000		27.5	4,360
SORGHUM SILAGE	1993	3,000	Ton	75	1,800
	1994	5,000		75	1,800
	1995	8,000		160	4,800
	1996	6,000		120	3,360
	1997	1,600		27	900
MISCELLANEOUS SEEDS 1/	1993	14,250			18,810
	1994	19,200			19,850
	1995	18,600			28,002
	1996	15,800			25,451
	1997	16,000			27,269

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

CROP RECORDS: Acreage, yield, and production, Arizona

Crop	Date Series began	Record	Acreage		Yield			Production		
			Harvested	Year 1/	Unit	Per acre	Year 1/	Unit	Total	Year 1/
1,000 acres					Thousands					
All cotton	1912	High Low	690.0 0.4	1953 1912	Pounds	1,342.0 212.0	1987 1920	Bales	1,609.7 0.3	1981 1912
Upland cotton	1917	High Low	648.5 8.0	1953 1917	Pounds	1,410.0 228.0	1987 1922	Bales	1,556.0 7.1	1981 1917
American-Pima cotton	1912	High Low	244.5 0.3	1989 1947	Pounds	1,126.0 180.0	1987 1943	Bales	477.0 0.2	1989 1947
Cottonseed	1917	High Low						Tons	631 10	1981 1917
All hay	1909	High Low	332 98	1944 1909	Tons	7.53 1.97	1996 1940	Tons	1,640 237	1997 1909
Alfalfa hay	1919	High Low	237 82	1944 1920	Tons	8.20 2.20	1997 1940	Tons	1,476 238	1997 1920
All wheat	1882	High Low	431 11	1976 1883	Pounds	5,960 720	1991 1890	Tons	970 5	1976 1894
Durum wheat	1976	High Low	319 39	1976 1991	Pounds	5,700 4,200	1991 1978	Tons	718 111	1976 1991
Other wheat	1909	High Low	260 9	1975 1997	Pounds	6,300 870	1991 1941	Tons	546 9	1975 1910
Barley	1882	High Low	268 8	1954 1928	Pounds	5,760 1,032	1991 1893	Tons	334 6	1954 1928
Corn for grain	1882	High Low	50 3	1997 1885	Pounds	9,800 515	1996 1944	Tons	255 2	1997 1888
Corn for silage	1919	High Low	18 2	1997 1934	Tons	28.0 5.0	1994 1935	Tons	450 10	1997 1934
Potatoes	1899	High Low	12.8 1.0	1969 1912	Cwt	315.0 18.0	1989 1900	Cwt	2,944 18	1969 1900
All oranges	1919/20	High Low						Cartons	10,520 108	1968/69 1927/28
Navel oranges	1934/35	High Low						Cartons	2,300 194	1968/69 1934/35
Valencia oranges	1934/35	High Low						Cartons	8,220 146	1968/69 1936/37
Grapefruit	1919/20	High Low						Cartons	8,200 58	1946/47 1919/20
Lemons	1958/59	High Low						Cartons	14,400 680	1974/75 1958/59
Tangerines	1964/65	High Low						Cartons	2,700 380	1983/84 1964/65
All grapes	1909	High Low						Tons	31,000 250	1987 1920

1/ The latest years records were achieved, some records were equaled in earlier years.

VEGETABLES, MELONS AND POTATOES

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 ranks fourth 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 144 thousand acres were devoted to vegetables (including potatoes) and melon crops during 1997 in Arizona; a decrease of 11 percent from a year earlier. Western head lettuce was the leader in acreage with 51,800 acres harvested, a decrease of 5,200 acres from 1996. Cantaloupe acreage totaled 20,500, an increase of 2,800 acres from the previous year and the second ranking crop in terms of acreage harvested. Other commodities showing an increase in acreage included leaf lettuce, romaine lettuce, cantaloupes, honeydews, and watermelons. Among the major vegetable crops, potatoes,

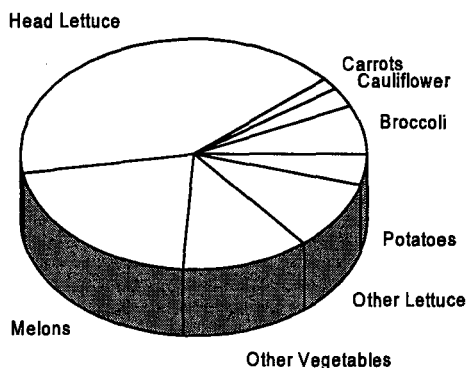
cauliflower and broccoli acreage were below the previous year.

Production records were established for carrots, cauliflower, honeydew, leaf lettuce and watermelon. Both yield and production records were recorded for broccoli and cantaloupes.

The total value of all vegetables produced in Arizona during 1997 totaled \$606.8 million, an increase of nine percent from the previous year. With the exception of western head lettuce, leaf lettuce and potatoes, vegetables and melons reflected increases in receipts. In general, average prices received for most crops increased from average prices in 1996.

"Miscellaneous" and "other" vegetables were harvested from 16,054 acres with a value of \$69.9 million, which represents 12 percent of the total value of all vegetables produced in Arizona. The most significant vegetables among these in terms of acres harvested were cabbage, chile peppers, spinach, and sweet corn.

Arizona Vegetables, Melons & Potatoes
Acres Harvested 1996-97 Season



143,554 Acres

HEAD LETTUCE WESTERN : Acreage, yield, production, price, and value, Arizona 1992/93-1996/97 1/

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1992/93	47,500	47,500	275	13,063	14.40	188,107
1993/94	50,500	50,000	315	15,750	9.16	144,270
1994/95	41,700	41,700	410	17,097	20.70	353,908
1995/96	57,000	57,000	285	16,245	13.10	212,810
1996/97	52,000	51,800	325	16,835	11.60	195,286

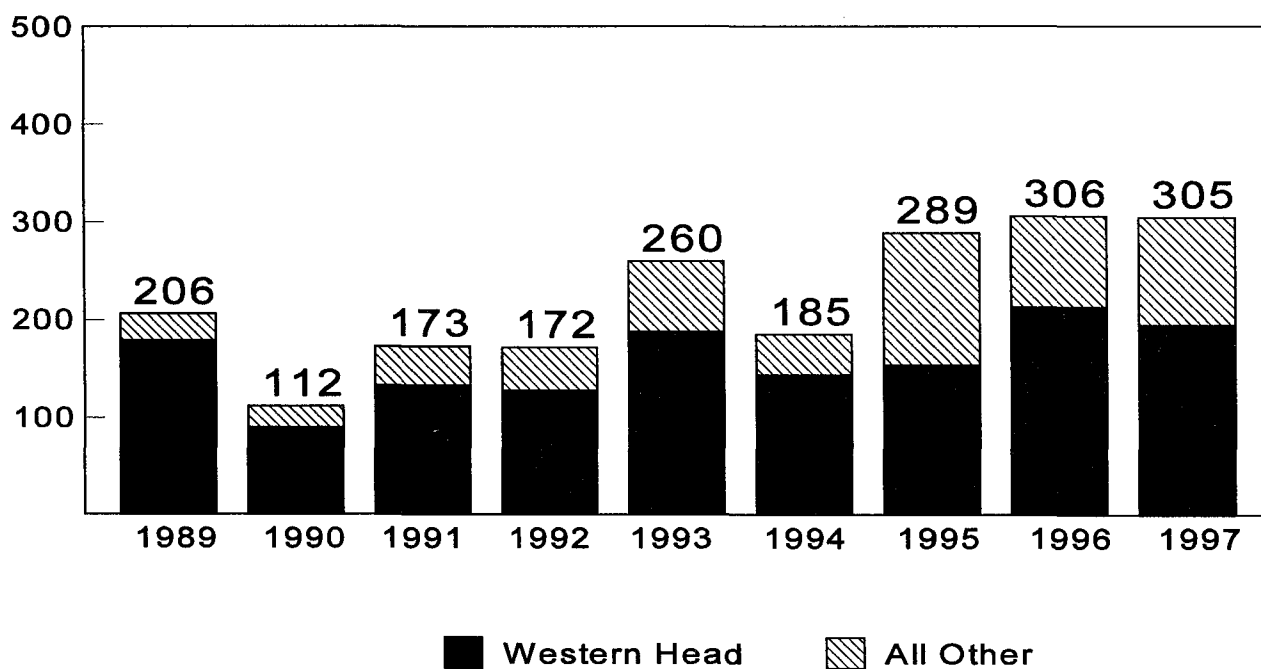
1/ Yuma County is the sole producer of western head lettuce. 2/ Average price for the November through April marketing season.

HEAD LETTUCE WESTERN: Monthly and season average prices received by growers, Arizona, 1992/93-1996/97

Year	November	December	January	February	March	April	Season average
	Dollars per cwt						
1992/93	10.70	15.70	11.00	18.60	14.50	20.50	14.40
1993/94	8.28	7.98	8.05	11.90	9.60	8.55	9.16
1994/95	24.60	37.00	13.00	9.13	23.60	--	20.70
1995/96	11.50	17.10	9.03	17.20	12.80	--	13.10
1996/97	12.40	8.65	14.80	9.40	13.40	13.70	11.60

Arizona Value of Lettuce Production 1989 - 1997

Million Dollars



1997 ARIZONA AGRICULTURAL STATISTICS

HEAD LETTUCE OTHER, SPRING: Acreage, yield, and production, Arizona, by counties, 1993-97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
COCHISE				PIMA			
1993	600	158	95	1993	200	170	34
1994	300	270	81	1994	300	177	53
1995	900	249	224	1995	300	353	106
1996	500	244	122	1996	250	208	52
1997	800	207	166	1997 2/	600	164	98
MARICOPA				PINAL			
1993	0			1993	100	220	22
1994	100	280	28	1994	200	255	51
1995	0			1995	0		
1996	200	255	51	1996	150	233	35
1997	0			1997	500	176	88

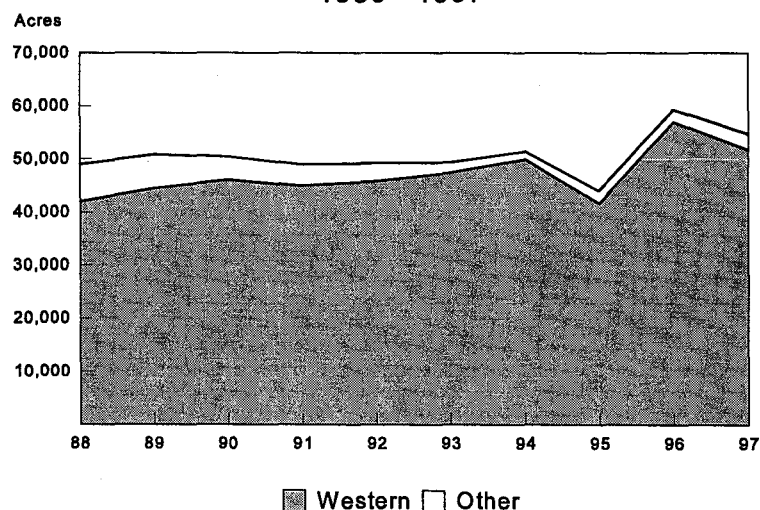
1/ "Head lettuce other" refers to lettuce produced in all areas of the State except Yuma county. Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. 2/ Maricopa County included in Pima County to avoid disclosure of individual operations.

HEAD LETTUCE OTHER, SPRING: Acreage, yield, production, price, and value, Arizona 1993-97 1/

Crop year	Planted	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	900	900	168	151	17.00	2,567
1994	900	900	237	213	9.63	2,051
1995	1,200	1,200	275	330	41.60	13,712
1996	1,100	1,100	236	260	13.00	3,380
1997	1,900	1,900	185	352	11.50	4,048

1/ "Head lettuce other" refers to lettuce produced in all areas of the State except Yuma county. 2/ Average price for March through June marketing season.

Arizona Head Lettuce Acreage Harvested
1988 - 1997



HEAD LETTUCE OTHER, FALL: Acreage, yield, and production, Arizona, by counties, 1993-1997 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
COCHISE				PIMA			
1993	400	223	89	1993	200	160	32
1994	450	218	98	1994	150	227	34
1995	700	184	129	1995	100	120	12
1996	550	189	104	1996	250	140	35
1997	500	171	86	1997	250	127	32
MARICOPA				PINAL			
1993	200	190	38	1993	200	160	32
1994	0			1994	0		
1995	100	250	25	1995	300	227	68
1996	150	133	20	1996	350	140	49
1997	200	125	25	1997	150	101	15

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, price, and value, Arizona 1993-1997 1/

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	1,000	1,000	191	191	9.48	1,811
1994	600	600	220	132	24.20	3,193
1995	1,200	1,200	195	234	11.30	2,644
1996	1,300	1,300	160	208	14.40	2,985
1997	1,100	1,100	144	158	32.48	5,132

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, price, and value, Arizona, 1993-1997 1/

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	1,900	1,900	180	342	12.80	4,378
1994	1,500	1,500	230	345	15.20	5,244
1995	2,400	2,400	235	564	29.00	16,356
1996	2,400	2,400	195	468	13.60	6,365
1997	3,000	3,000	170	510	18.00	9,180

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 and October through January marketings seasons.

ALL HEAD LETTUCE OTHER: Monthly and season average prices received by growers, Arizona 1993/94-1997/98

Year	Mar	Apr	May	Jun	Sep	Oct	Nov	Dec	Jan	Season average
Dollars per cwt										
1993/94	15.40	29.20	8.56	8.01	9.90	9.90	8.88	7.67	--	12.80
1994/95	8.86	10.40	8.49	11.90	--	26.20	18.60	37.20	--	15.20
1995/96	41.80	47.60	43.70	15.30	--	12.30	9.52	8.26	16.00	29.00
1996/97	15.90	11.10	12.00	20.50	13.50	12.60	18.20	23.00	--	13.60
1997/98	14.70	8.70	8.89	--	--	34.10	39.70	--	--	18.00

1997 ARIZONA AGRICULTURAL STATISTICS**LEAF LETTUCE: Acreage, yield, and production, Arizona, by counties, 1993-97 1/**

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
MARICOPA				YUMA			
1993	200	200	40	1993	4,300	221	950
1994	0			1994	3,300	265	875
1995	150	167	25	1995	3,050	464	1,415
1996	150	93	14	1996	4,150	344	1,427
1997	150	166	25	1997	5,550	278	1,543

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

LEAF LETTUCE: Acreage, yield, production, price and value, Arizona 1993-97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	4,500	4,500	220	990	44.10	43,659
1994	3,500	3,500	255	893	23.00	20,539
1995	3,200	3,200	450	1,440	49.10	70,704
1996	4,300	4,300	335	1,441	36.00	51,876
1997	5,800	5,700	275	1,568	31.70	49,706

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

ROMAINE LETTUCE: Acreage, yield, and production, Arizona, by counties, 1993-97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production 2/
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
MARICOPA				YUMA			
1993	50	300	15	1993	3,250	290	942
1994	50	200	10	1994	4,050	251	1,015
1995	50	180	9	1995	5,650	261	1,473
1996	100	90	9	1996	7,300	242	1,767
1997	100	110	11	1997	8,100	323	2,616

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, price and value, Arizona 1993-97

Year	Planted	Harvested	Yield per acre	Production 2/	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	3,300	3,300	290	957	25.50	24,404
1994	4,200	4,100	295	1,210	12.40	15,004
1995	5,700	5,700	300	1,710	28.10	48,051
1996	7,400	7,400	240	1,776	19.50	34,632
1997	8,300	8,200	320	2,624	19.50	51,168

1/ Average price for the November through April marketing season. 2/ Figures may not calculate due to rounding.

BROCCOLI: Acreage, yield, and production, Arizona, by counties, 1992/93-1996/97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
MARICOPA				YUMA			
1992/93	2,300	71	163	1992/93	6,350	82	520
1993/94	2,300	98	225	1993/94	7,100	114	809
1994/95	2,000	125	250	1994/95	6,600	105	696
1995/96	2,900	100	290	1995/96	7,100	94	670
1996/97	3,200	99	319	1996/97	6,700	135	904
PINAL							
1992/93	50	80	4				
1993/94	2/						
1994/95	2/						
1995/96	2/						
1996/97	2/						

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable standardization. 2/ Too small to publish or included in Maricopa County to avoid disclosure of individual operations.

BROCCOLI: Acreage, yield, production, price and value, Arizona, 1992/93-1996/97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1992/93	8,700	8,700	79	687	31.30	21,503
1993/94	9,400	9,400	110	1,034	21.10	21,817
1994/95	8,600	8,600	110	946	38.30	36,232
1995/96	10,200	10,000	96	960	25.70	24,672
1996/97	10,000	9,900	125	1,238	35.20	43,578

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

CAULIFLOWER: Acreage, yield, and production, Arizona, by counties, 1992/93-1996/97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
MARICOPA				YUMA			
1992/93	700	71	50	1992/93	5,800	102	594
1993/94	500	100	50	1993/94	5,200	144	748
1994/95	200	150	30	1994/95	4,300	171	735
1995/96	200	135	27	1995/96	4,200	177	743
1996/97	200	135	27	1996/97	3,700	180	666

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

CAULIFLOWER: Acreage, yield, production, price, and value, Arizona, 1992/93-1996/97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1992/93	6,500	6,500	99	644	32.50	20,930
1993/94	5,700	5,700	155	884	26.00	22,984
1994/95	4,500	4,500	175	788	36.70	28,920
1995/96	4,400	4,400	175	770	33.00	25,410
1996/97	3,900	3,900	200	780	33.20	25,896

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

1997 ARIZONA AGRICULTURAL STATISTICS**DRY ONIONS: Acreage, yield, and production, Arizona, by counties, 1993-97 1/**

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
COCHISE				MARICOPA			
1993	100	340	34	1993	850	569	484
1994	150	267	40	1994	950	464	441
1995	250	340	85	1995	700	574	402
1996	300	353	106	1996	900	430	387
1997	300	336	101	1997	1,000	356	356
LA PAZ				OTHER COUNTIES			
1993	200	355	71	1993	150	280	42
1994	250	496	124	1994	250	332	83
1995	300	333	100	1995	150	567	85
1996	450	418	188	1996	250	316	79
1997	2/			1997 3/	800	361	289

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. 2/ Included in Other Counties to avoid disclosure of individual operations. 3/ Includes La Paz, Pinal and Yuma counties.

DRY ONIONS: Acreage, yield, production, price, and value, Arizona 1993-97 1/

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	1,400	1,300	485	631	16.40	10,342
1994	1,700	1,600	430	688	7.72	5,308
1995	1,400	1,400	480	672	7.93	5,331
1996	2,100	1,900	400	760	8.56	6,505
1997	2,100	2,100	355	746	12.60	9,403

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, Arizona 1993-97 1/

Year	April	May	June	July	Season average
Dollars per cwt					
1993	--	21.40	11.00	11.00	16.40
1994	--	7.50	7.75	--	7.72
1995	7.50	7.32	7.75	8.00	7.93
1996	8.00	8.50	9.00	9.50	8.56
1997	17.40	13.60	15.40	--	12.60

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

CARROTS: Acreage, yield, and production, Arizona, by counties, 1992/93-1996/97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
MARICOPA				YUMA			
1992/93	1,100	196	216	1992/93	300	73	22
1993/94	2,100	136	285	1993/94	100	230	23
1994/95	1,900	275	523	1994/95	0		
1995/96	2,250	272	613	1995/96	150	72	11
1996/97	2,400	265	636	1996/97	0		

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.

CARROTS: Acreage, yield, production, price, and value, Arizona, 1992/93-1996/97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres	Cwt	1,000 cwt	Dol. per cwt	1,000 dol.	
1992/93	1,400	1,400	170	238	11.30	2,689
1993/94	2,200	2,200	140	308	11.70	3,604
1994/95	1,900	1,900	275	523	17.60	9,205
1995/96	2,400	2,400	260	624	12.70	7,925
1996/97	2,400	2,400	265	636	13.30	8,459

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

SPRING HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1993-97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
LA PAZ				PINAL			
1993	550	258	142	1993	250	136	34
1994	600	192	115	1994	2/		
1995	800	190	152	1995	400	163	65
1996	800	190	152	1996	800	160	128
1997	1,000	205	204	1997	2/		
MARICOPA				YUMA			
1993	550	182	100	1993	50	180	9
1994	750	199	149	1994	150	120	18
1995	900	178	160	1995	200	190	38
1996	1,000	178	178	1996	200	160	32
1997	1,200	153	183	1997	300	177	53

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. 2/ Acres and production included with Maricopa County to avoid disclosure of individual operations.

SPRING HONEYDEWS: Acreage, yield, production, price, and value, Arizona 1993-97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres	Cwt	1,000 cwt	Dol. per cwt	1,000 dol.	
1993	1,400	1,400	204	285	21.40	6,091
1994	1,500	1,500	188	282	15.80	4,456
1995	2,300	2,300	180	415	25.80	10,707
1996	2,800	2,800	175	490	16.90	8,281
1997	2,500	2,500	176	440	17.00	7,698

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

1997 ARIZONA AGRICULTURAL STATISTICS**FALL HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1993-97 1/**

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
LA PAZ				OTHER COUNTIES			
1993	0			1993			
1994	100	50	5	1994			
1995	450	133	60	1995	250	104	26
1996	2/			1996	300	123	37
1997	3/			1997	500	129	65
MARICOPA				ARIZONA			
1993	200	175	35	1993	200	175	35
1994	500	120	60	1994	600	108	65
1995	600	125	75	1995	1,300	124	161
1996	700	170	119	1996	1,000	156	156
1997	1,200	192	230	1997	1,700	173	295

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. 2/ Acres and production included with Maricopa County to avoid disclosure of individual operations. 3/ Acres and production included in Other Counties to avoid disclosure of individual operations.

FALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona 1993-97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	200	200	175	35	23.50	821
1994	600	600	108	65	30.70	1,998
1995	1,300	1,300	124	161	19.70	3,175
1996	1,000	1,000	156	156	18.10	2,830
1997	1,700	1,700	173	295	20.00	5,900

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

ALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1993-97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	1,600	1,600	200	320	21.60	6,912
1994	2,100	2,100	210	441	18.70	8,247
1995	3,600	3,600	160	576	24.10	13,882
1996	3,800	3,800	170	646	17.20	11,111
1997	4,200	4,200	175	735	18.50	13,598

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

ALL HONEYDEWS: Monthly and season average prices received by growers, Arizona, 1993-97

Year	May	June	July	August	September	October	November	Season average
Dollars per cwt								
1993	14.50	25.30	18.50	--	25.00	25.00	25.00	21.60
1994	21.60	18.20	13.00	10.80	36.70	32.50	23.50	18.70
1995	43.70	27.20	23.50	23.50	21.20	21.20	17.10	24.10
1996	31.10	18.00	12.00	14.20	14.70	17.00	20.00	17.20
1997	30.00	20.00	15.00	15.70	11.70	12.50	13.80	18.50

SPRING CANTALOUPE: Acreage, yield, and production, Arizona, by counties, 1993-97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
LA PAZ				PINAL			
1993	1,200	220	264	1993	100	150	15
1994	1,200	233	280	1994	200	175	35
1995	1,100	207	228	1995	750	217	163
1996	1,500	300	450	1996	600	280	168
1997	2,600	240	624	1997	600	308	185
MARICOPA				YUMA			
1993	6,300	282	1,775	1993	700	117	82
1994	5,800	248	1,440	1994	700	307	215
1995	6,050	286	1,730	1995	1,000	314	314
1996	5,900	292	1,722	1996	1,500	340	510
1997	5,000	320	1,600	1997	3,400	397	1,350

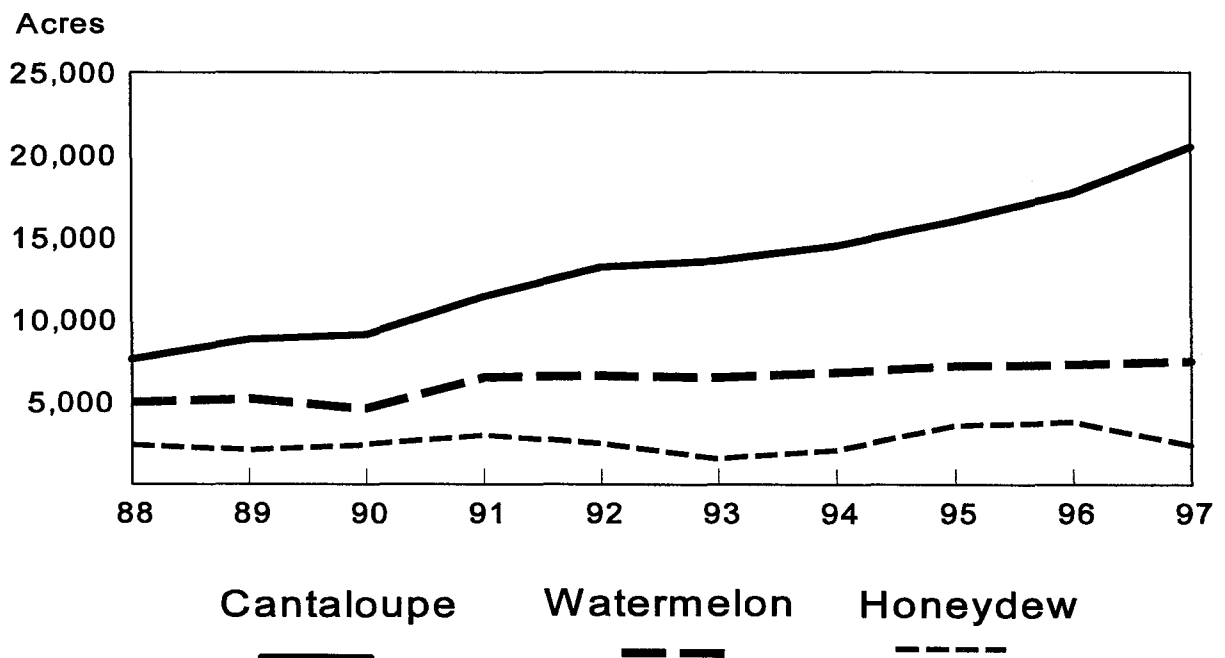
1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

SPRING CANTALOUPE: Acreage, yield, production, price, and value, Arizona, 1993-97

Crop year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	8,300	8,300	257	2,136	16.60	35,442
1994	7,900	7,900	249	1,970	14.40	28,433
1995	8,900	8,900	274	2,435	18.40	44,890
1996	9,500	9,500	300	2,850	19.60	55,860
1997	11,600	11,600	324	3,759	16.98	63,800

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

Arizona Melon Acreage Harvested 1988 - 1997



1997 ARIZONA AGRICULTURAL STATISTICS**FALL CANTALOUPE: Acreage, yield, production, Arizona, by counties, 1993-97 1/**

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
COCHISE				LA PAZ			
1993	2/			1993	3/		
1994	600	67	40	1994	3/		
1995	250	80	20	1995	3/		
1996	2/			1996	3/		
1997	2/			1997	3,100	187	580
PINAL				MARICOPA			
1993	150	133	20	1993	5,150	136	700
1994	200	50	10	1994	5,100	82	418
1995	200	115	23	1995	6,000	87	520
1996	200	155	31	1996	6,000	153	920
1997	200	140	28	1997	3,400	169	575
YUMA							
1993	2/						
1994	700	39	27				
1995	650	65	42				
1996	2,000	135	270				
1997	2,200	130	286				

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. 2/ Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations. 3/ 1993-1996 included in Maricopa County.

FALL CANTALOUPE: Acreage, yield, production, price, and value, Arizona 1993-97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 cwt
1993	5,300	5,300	136	720	18.60	13,396
1994	6,600	6,600	75	495	31.20	15,444
1995	7,100	7,100	85	605	26.80	16,214
1996	8,200	8,200	149	1,221	23.60	28,817
1997	8,900	8,900	165	1,469	24.90	36,578

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

ALL CANTALOUPE: Acreage, yield, production, price, and value, Arizona 1993-97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	13,600	13,600	210	2,856	17.10	48,838
1994	14,500	14,500	170	2,465	17.80	43,877
1995	16,000	16,000	190	3,040	20.10	61,104
1996	17,700	17,700	230	4,071	20.80	84,677
1997	20,500	20,500	255	5,228	19.20	100,378

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

WATERMELONS: Acreage, yield, and production, Arizona, by counties, 1993-97 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
COCHISE				PINAL			
1993	350	200	70	1993	1,750	351	615
1994	300	147	44	1994	1,700	342	581
1995	250	136	34	1995	2,300	265	610
1996	250	148	37	1996	2,300	328	754
1997	200	150	30	1997 2/	2,000	337	674
LA PAZ				YUMA			
1993	300	250	75	1993	1,000	400	400
1994	200	250	50	1994	1,000	442	442
1995	200	300	60	1995	1,000	378	378
1996	250	172	43	1996	950	440	418
1997	600	262	157	1997	950	459	436
MARICOPA							
1993	3,100	286	888				
1994	3,600	275	991				
1995	3,050	236	720				
1996	3,550	254	902				
1997	3,750	274	1,028				

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/ Mohave County acreage included in Pinal County to avoid disclosure of individual operations.

WATERMELONS: Acreage, yield, production, price, and value, Arizona, 1993-97 1/

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	6,500	6,500	315	2,048	7.29	14,930
1994	6,800	6,800	310	2,108	5.60	11,805
1995	7,200	7,200	250	1,800	11.40	20,520
1996	7,300	7,300	295	2,154	7.17	15,444
1997	7,700	7,500	310	2,325	7.77	18,065

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.

1997 ARIZONA AGRICULTURAL STATISTICS**POTATOES: Acreage, yield, and production, Arizona, by counties, 1993-97 1/**

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt	1,000 cwt		Acres	Cwt	1,000 cwt
MARICOPA 2/				YUMA			
1993	4,100	282	1,155	1993	0		
1994	4,200	279	1,170	1994	400	113	45
1995	4,600	280	1,287	1995	500	148	74
1996	3,600	295	1,062	1996	1,700	211	358
1997	3,450	323	1,114	1997	2/		
PINAL				OTHER COUNTIES			
1993	1,400	236	330				
1994	1,700	268	455				
1995	1,400	281	394				
1996	3,700	285	1,055				
1997	1,300	249	324	1997	1,450	185	267

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. 2/ Includes some acreage in Cochise County for 1993-1996 and acreage in Cochise and Yuma counties in 1997.

POTATOES: Acreage, yield, production, price, and value, Arizona, 1993-97

Year	Planted	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Cwt	1,000 cwt	Dol. per cwt	1,000 dol.
1993	5,500	5,500	270	1,485	8.25	12,251
1994	6,300	6,300	265	1,670	7.35	12,275
1995	6,500	6,500	270	1,755	7.65	13,426
1996	9,000	9,000	275	2,475	10.20	25,245
1997	6,200	6,200	275	1,705	8.75	14,919

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

POTATOES: Monthly and season average prices received by growers, Arizona, 1993-97 1/

Year	April	May	June	July	Marketing year average
1993	--	10.70	6.25	7.60	8.25
1994	11.20	8.50	5.95	5.55	7.35
1995	13.60	7.90	6.45	5.15	7.65
1996	10.10	10.30	6.20	--	10.20
1997	6.20	9.50	8.45	--	8.75

1/ Includes fresh market and processed potato prices.

OTHER VEGETABLES: Acres, production, and value, Arizona 1993-97

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
ASPARAGUS	1993	250	30 lb carton	13,000	350
	1994	240		24,500	750
	1995	240		20,100	695
	1996	0			
	1997	3/			
BEETS	1993	30	35 lb carton	4,800	36
	1994	60		11,600	87
	1995	10		7,900	59
	1996	30		9,500	71
	1997	25		1,600	26
BOK CHOY	1993	250	25 lb carton	100,000	500
	1994	160		89,000	445
	1995	80		76,000	380
	1996	140		105,000	525
	1997	110		100,100	413
CABBAGE	1993	1,500	50 lb carton	756,000	4,007
	1994	2,800		1,030,000	11,845
	1995	1,750		525,600	4,126
	1996	2,400		1,438,000	8,889
	1997	2,250		1,717,500	11,896
CHILE PEPPERS GREEN RED	1993 4/	4,200	Ton		
				10,600	2,605
				4,260	3,687
	1994	4,000			
				11,964	3,733
				4,060	2,921
	1995	3,200			
				14,080	5,463
				2,256	1,918
	1996	2,500			
GREEN RED				5,550	1,693
				4,030	5,376
	1997	3,800			
GREEN RED				7,828	3,184
				6,840	9,316
GREENS	1993	900	25 lb carton	529,000	2,566
	1994	750		540,000	2,700
	1995	750		829,000	4,560
	1996	550		911,000	5,010
	1997	700		554,000	6,275
KALE	1993	100	25 lb carton	77,500	465
	1994	1,270		506,929	1,578
	1995	150		173,000	1,038
	1996	210		211,000	1,266
	1997	360		152,400	2,704
NAPA	1993	200	40 lb carton	86,500	260
	1994	220		128,000	384
	1995	200		74,900	225
	1996	140		141,000	423
	1997	130		130,600	400
ONIONS, GREEN	1993	260	18 lb carton	196,000	960
	1994	280		355,000	2,592
	1995	570		362,000	2,588
	1996	340		395,000	2,844
	1997	240		274,000	2,051
PARSLEY	1993	60	21 lb carton	41,700	171
	1994	130		90,000	369
	1995	90		122,800	503
	1996	170		175,000	717
	1997	90		169,100	357

See footnotes at end of table.

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona 1993-97--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
RAPINI	1993	160	25 lb carton	47,000	268
	1994	280		53,000	302
	1995	50		29,500	168
	1996	40		99,800	569
	1997	80		28,900	1,291
SPINACH	1993	1,260	25 lb carton	527,620	2,633
	1994	2,450		735,100	5,785
	1995	1,630		784,100	6,256
	1996	1,060		729,000	5,795
	1997	1,650		902,020	9,122
SQUASH	1993	1,100	24 lb carton	158,467	428
	1994	680		48,000	5
	1995	450		16,200	59
	1996	310		64,200	475
	1997	340		32,400	513
SWEET CORN	1993	2,700	50 lb carton	127,300	960
	1994	1,500		92,000	690
	1995	1,400		150,500	1,407
	1996	1,800		252,000	2,218
	1997	1,640		335,300	2,482
TURNIPS	1993	150	25 lb sack	40,800	318
	1994	175		55,000	429
	1995	160		28,600	223
	1996	140		101,000	788
	1997	195		73,000	453
MISCELLANEOUS VEGETABLES 5/	1993	3,841			7,141
	1994	4,797			12,220
	1995	2,178			11,872
	1996	3,421			19,595
	1997	4,461			19,459

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. 2/ 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. 3/ Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations. 4/ Green tonnage is reported as actual weight. An 8:1 ratio used to convert green tonnage to a dry weight equivalent. 5/ The years 1993-97 include anise, artichokes, bell peppers, broccoflower, cilantro, celery, endive, escarole, Fava beans, leeks, miscellaneous melons, pumpkins, radishes, Swiss chard and tomatoes. 1993 also includes fresh market cucumbers and snap beans, Maza corn, and garlic. 1994-96 also includes dill, kohlrabi, salad savoy and watercress. 1997 also includes dill and kohlrabi. Production not published due to the different units of production.

FRUIT AND NUTS

Citrus production, **nationally**, was up 10 percent from the previous season and 9 percent higher than the 1994-95 season. The 1996-97 crop registered a record production due primarily to record orange and grapefruit production in Florida. California's orange production increased 17 percent from the previous year while Texas showed increases in orange and grapefruit acreage and in production. Arizona citrus acreage and production decreased from the previous season. In the 1996-97 season, Florida accounted for 76 percent of U.S. citrus production; California totaled 21 percent; Texas and Arizona produced the remaining 3 percent.

Citrus production in **Arizona**, as a whole, decreased from the previous year with acreage continuing to decline. Orange acreage is down 13 percent from 5 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 from the prior year. With the exception of grapefruit, the season average prices increased from one year earlier.

Apple production in Arizona was 44.1 million pounds, less than half of last year's record crop, but 34 million pounds more than 2 years ago. The total crop value was \$4.7 million, a decrease of \$7.7 million. Fewer and fewer Arizona apples enter the fresh-market marketing channels; in 1997, 1 percent was utilized in the fresh market and 99 percent for processing.

Arizona's grape production ranked 6th in the nation in 1996-97. While the Arizona price per ton increased 6 percent from the previous season, acreage continued to decline slightly and the value of the crop dropped 2 percent.

Arizona was the nation's 5th leading state in pecan production for 1997 with production of 17,500 million pounds. **Nationally**, pecan production increased 23 percent from last year and is up 2 percent from 1995. The U. S. average price of 94.5 cents per pound reflected a 48% increase from the previous year. Arizona pecan prices averaged 1.25 per pound.

APPLES: Acreage, production, price and value, Arizona, 1993-97

Crop year	Bearing acreage	Utilization of production			Season average price	Value of utilized production
		Fresh	Processed	Total		
	Acres	Mil lbs			Dol. per lb	1,000 dol.
1993	4,400	4.0	51.0	55.0	.066	3,654
1994	4,400	8.0	51.0	59.0	.078	4,621
1995	4,200	.2	10.8	11.0	.071	782
1996	4,200	4.0	96.0	100.0	.124	12,432
1997	4,000	.5	43.6	44.1	.107	4,724

PECANS: Production, price and value, four states, 1993-97 1/

Crop year	Utilized production	Price per pound	Value of utilized production
	1,000 lbs	Dollars	1,000 dollars
1993	24,700	1.000	24,733
1994	20,500	1.210	24,869
1995	18,100	1.240	22,443
1996	18,300	.631	11,554
1997	17,500	1.250	21,875

1/ Four states include Arizona, Kansas, Missouri and Tennessee 1992; Arizona, Mississippi, Missouri, and Tennessee 1993 through 1995; Arizona and Mississippi 1996. Estimates for Missouri and Tennessee were discontinued in 1996.

1997 ARIZONA AGRICULTURAL STATISTICS

GRAPEFRUIT: Acreage and production, by varieties, Arizona, by counties, 1992/93-1996/97

County and crop year	Harvested 1/			Utilization of production		
	White	Red Blush	All	Fresh 2/	Processed 2/	Total
Acres			1,000 cartons 3/			
MARICOPA 4/						
1992/93	1,800	1,900	3,700	1,077	923	2,000
1993/94	1,800	1,900	3,700	721	791	1,512
1994/95	1,800	1,900	3,700	1,178	103	1,281
1995/96	1,700	1,800	3,500	800	634	1,474
1996/97	1,400	1,800	3,200	645	579	1,224
YUMA						
1992/93	200	2,000	2,200	1,751	549	2,300
1993/94	200	2,000	2,200	1,543	445	1,988
1994/95	200	1,800	2,000	1,448	71	1,519
1995/96	200	1,400	1,600	666	260	926
1996/97	200	1,300	1,500	303	273	576

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 small acreage and production in Pinal County.

GRAPEFRUIT: Acreage, production, price, and value, Arizona, 1992/93-1996/97

Crop year	Harvested 1/	Utilization of production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn	1,000 dol.
1992/93	5,900	2,828	1,472	4,300	1.62	6,952
1993/94	5,900	2,264	1,236	3,500	1.44	5,046
1994/95	5,700	2,626	174	2,800	2.78	7,787
1995/96	5,100	1,506	894	2,400	1.85	4,438
1996/97	4,700	948	852	1,800	1.50	2,693

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Equivalent packinghouse door returns. Marketing season November 1-July 31. 3/ Net weight per carton, 33.5 pounds; 32 pounds prior to the 1993/94 season.

GRAPEFRUIT: Season average price and equivalent returns by utilization, Arizona, 1992/93-1996/97

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1992/93	5.10	1.62	2.50	-.08	.81	1.69	-.89
1993/94	4.87	1.44	2.28	-.09	.65	1.49	-.88
1994/95	5.70	2.78	2.98	-.22	1.81	2.01	-1.19
1995/96	5.75	1.85	3.03	-.14	.88	2.06	-1.11
1996/97	5.75	1.50	3.03	-.21	.53	2.06	-1.18

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

GRAPEFRUIT: Monthly prices and equivalent returns by utilization, Arizona, 1992/93-1996/97

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93							
Oct	7.75	5.04	5.15	.40	4.23	4.34	-.42
Nov	5.50	2.79	2.85	-.04	1.98	2.04	-.85
Dec	5.55	2.74	2.95	-.07	1.93	2.14	-.88
Jan	5.55	2.85	2.95	-.09	2.04	2.14	-.90
Feb	5.50	2.59	2.90	-.10	1.78	2.09	-.91
Mar	4.92	1.95	2.32	-.10	1.14	1.51	-.91
Apr	5.15	2.03	2.55	-.10	1.22	1.74	-.91
May	4.39	.94	1.79	-.10	.14	.98	-.91
Jun	4.81	1.11	2.21	-.08	.30	1.40	-.89
Jul	5.35	1.31	2.75	-.08	.50	1.94	-.89
Aug	4.87	1.56	2.27	-.08	.75	1.46	-.89
1993/94							
Oct	6.15	1.73	3.56	-.11	.94	2.77	-.90
Nov	5.25	2.50	2.66	-.11	1.71	1.87	-.90
Dec	5.05	2.20	2.46	-.11	1.41	1.67	-.90
Jan	4.78	2.05	2.18	-.11	1.26	1.39	-.90
Feb	4.86	2.13	2.27	-.11	1.34	1.48	-.90
Mar	4.61	1.70	2.01	-.09	.91	1.22	-.88
Apr	4.16	1.02	1.56	-.09	.23	.77	-.88
May	4.45	1.43	1.86	-.01	.64	1.07	-.80
Jun	5.10	1.21	2.51	-.09	.42	1.72	-.88
Jul	5.30	1.30	2.71	-.11	.51	1.92	-.90
Aug	--	--	--	--	--	--	--
1994/95							
Oct	5.00	2.28	2.28	--	1.31	1.31	--
Nov	5.65	2.93	2.93	--	1.96	1.96	--
Dec	5.20	2.48	2.48	--	1.51	1.51	--
Jan	4.74	2.02	2.02	--	1.05	1.05	--
Feb	5.45	2.73	2.73	--	1.76	1.76	--
Mar	5.60	2.57	2.88	-.22	1.60	1.91	-1.19
Apr	5.00	1.51	2.28	-.22	.54	1.31	-1.19
May	5.85	2.93	3.13	-.22	1.96	2.16	-1.19
Jun	6.15	3.36	3.43	-.22	2.39	2.46	-1.19
Jul	1.69	-1.03	-1.03	--	-2.00	-2.00	--
Aug	--	--	--	--	--	--	--
1995/96							
Oct	6.90	4.18	4.18	--	3.21	3.21	--
Nov	5.70	2.83	2.98	-.14	1.86	2.01	-1.11
Dec	5.85	2.90	3.13	-.14	1.93	2.16	-1.11
Jan	5.40	2.54	2.68	-.14	1.57	1.71	-1.11
Feb	5.60	2.65	2.88	-.14	1.68	1.91	-1.11
Mar	5.60	1.67	2.88	-.14	.70	1.91	-1.11
Apr	5.60	1.73	2.88	-.14	.76	1.91	-1.11
May	5.95	1.63	3.23	-.14	.66	2.26	-1.11
Jun	7.20	2.43	4.48	-.14	1.46	3.51	-1.11
Jul	2.09	-.60	-.63	-.14	-1.57	-1.60	-1.11
Aug	--	--	--	--	--	--	--
1996/97							
Oct	7.80	4.74	5.18	-.13	3.77	4.21	-1.10
Nov	7.60	4.25	4.88	-.13	3.28	3.91	-1.10
Dec	6.25	3.53	3.53	--	2.56	2.56	--
Jan	5.15	2.24	2.43	-.13	1.27	1.46	-1.10
Feb	5.55	2.68	2.83	-.21	1.71	1.86	-1.18
Mar	4.94	2.13	2.22	-.22	1.15	1.25	-1.19
Apr	5.65	1.68	2.93	-.22	1.21	1.96	-1.19
May	5.75	1.25	3.03	-.21	.28	2.06	-1.18
Jun	5.60	1.11	2.88	-.21	.14	1.91	-1.18
Jul	4.90	1.66	2.18	-.19	.69	1.21	-1.16
Aug	--	--	--	--	--	--	--

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

1997 ARIZONA AGRICULTURAL STATISTICS

LEMONS: Acreage and production, Arizona, by counties, 1992/93-1996/97

County and crop year	Harvested 1/	Utilization of production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1992/93	1,500	298	254	552
1993/94	1,600	420	307	727
1994/95	1,500	371	223	594
1995/96	1,000	521	346	867
1996/97	1,200	293	184	477
YUMA				
1992/93	14,800	4,928	3,320	8,248
1993/94	14,000	5,482	4,191	9,673
1994/95	14,600	4,455	2,151	6,606
1995/96	13,200	5,013	4,320	9,333
1996/97	12,700	2,703	2,020	4,723

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Net weight per carton, 38 pounds. 3/ Includes small acreage and production in Pinal County.

LEMONS: Acreage, production, price and value, Arizona, 1992/93-1996/97

Crop year	Harvested 1/	Utilization of production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn	1,000 dol.
1992/93	16,300	5,226	3,574	8,800	4.21	37,045
1993/94	15,600	5,902	4,498	10,400	4.84	50,342
1994/95	16,100	4,826	2,374	7,200	5.19	37,321
1995/96	14,200	5,534	4,666	10,200	4.01	40,871
1996/97	13,900	2,996	2,204	5,200	5.44	20,285

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Equivalent packinghouse door returns. Marketing season August 15-March 1. 3/ Net weight per carton, 38 pounds.

LEMONS: Season average price and equivalent returns by utilization, Arizona, 1992/93-1996/97

LEMONS: Season average price and equivalent returns by utilization, Arizona, 1992/93-1996/97							
Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93	10.65	4.21	6.42	.99	2.45	4.66	-.78
1993/94	12.25	4.84	8.00	.70	3.06	6.22	-1.09
1994/95	11.70	5.19	7.48	.52	3.37	5.66	-1.31
1995/96	11.15	4.01	6.93	.54	2.19	5.11	1.28
1996/97	12.05	5.44	8.33	1.51	3.62	6.51	-.31

1/ Net weight per carton, 38 pounds.

LEMONS: Monthly prices and equivalent returns by utilization, Arizona 1992/93-1996/97

LEMONS: Monthly prices and equivalent returns by utilization, Arizona 1992/93-1996/97							
Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93							
Aug	16.25	10.62	12.02	.87	8.86	10.26	-.90
Sep	14.20	8.24	9.97	.87	6.48	8.21	-.90
Oct	10.40	4.84	6.17	.87	3.08	4.41	-.90
Nov	8.80	3.25	4.57	1.01	1.49	2.81	-.76
Dec	9.80	3.33	5.57	1.01	1.57	3.81	-.76
Jan	10.15	3.27	5.92	1.01	1.51	4.16	-.76
Feb	9.65	2.90	5.42	1.01	1.14	3.66	-.76
Mar	9.75	2.55	5.52	1.01	.79	3.76	-.76
Apr	9.65	2.81	5.42	1.01	1.05	3.66	-.76
1993/94							
Aug	26.60	21.94	22.35	.93	20.16	20.57	-.86
Sep	23.45	17.70	19.20	.93	15.92	17.42	-.86
Oct	16.55	9.69	12.30	.93	7.91	10.52	-.86
Nov	10.65	4.01	6.40	.72	2.23	4.62	-1.07
Dec	9.00	2.86	4.75	.72	1.08	2.97	-1.07
Jan	8.20	2.30	3.95	.65	.52	2.17	-1.14
Feb	7.30	1.71	3.05	.65	-.08	1.27	-1.14
Mar	7.55	1.45	3.30	.65	-.34	1.52	-1.14
Apr	7.50	1.65	3.25	.65	-.14	1.47	-1.14
1994/95							
Aug	--	--	--	--	--	--	--
Sep	20.75	15.71	16.53	.64	13.89	14.71	-1.18
Oct	13.05	7.28	8.83	.64	5.46	7.01	-1.18
Nov	10.45	4.51	6.23	.50	2.69	4.41	-1.32
Dec	10.10	3.84	5.88	.50	2.02	4.06	-1.32
Jan	10.00	3.56	5.78	.50	1.74	3.96	-1.32
Feb	8.95	2.62	4.73	.50	.80	2.91	-1.32
Mar	9.00	3.12	4.78	.50	1.30	2.96	-1.32
Apr	--	--	--	--	--	--	--
1995/96							
Aug	22.15	14.45	17.93	.54	12.63	16.11	-1.28
Sep	19.85	13.56	15.63	.54	11.74	13.81	-1.28
Oct	14.45	7.76	10.23	.54	5.94	8.41	-1.28
Nov	10.45	4.44	6.23	.54	2.62	4.41	-1.28
Dec	9.45	3.21	5.23	.54	1.39	3.41	-1.28
Jan	8.80	2.35	4.58	.54	.53	2.76	-1.28
Feb	8.45	1.90	4.23	.54	.08	2.41	-1.28
Mar	8.45	1.63	4.23	.54	-.19	2.41	-1.28
Apr	9.30	1.57	5.08	.54	-.25	3.26	-1.28
1996/97							
Aug	--	--	--	--	--	--	--
Sep	16.90	9.72	12.68	1.51	7.90	10.86	-.31
Oct	14.95	8.28	10.73	1.51	6.46	8.91	-.31
Nov	12.75	5.82	8.53	1.51	4.00	6.71	-.31
Dec	11.70	4.71	7.48	1.51	2.89	5.66	-.31
Jan	10.75	3.90	6.53	1.51	2.08	4.71	-.31
Feb	8.95	3.05	4.73	1.51	1.23	2.91	-.31
Mar	7.95	2.53	3.73	1.51	.72	1.91	-.31
Apr	--	--	--	--	--	--	--

1/ Net weight per carton, 38 pounds

1997 ARIZONA AGRICULTURAL STATISTICS

VALENCIA ORANGES: Acreage and production, Arizona, by counties, 1992/93-1996/97

County and crop year	Harvested 1/ Acres	Utilization of production		
		Fresh	Processed	Total
		1,000 cartons 2/		
MARICOPA 3/				
1992/93	2,600	751	284	1,035
1993/94	2,700	641	191	832
1994/95	2,700	736	8	744
1995/96	2,500	755	246	1,001
1996/97	2,500	675	3	678
YUMA				
1992/93	3,000	1,079	186	1,265
1993/94	2,700	1,257	311	1,568
1994/95	2,500	548	8	556
1995/96	2,200	681	218	899
1996/97	2,000	519	3	522

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Net weight per carton, 37.5 pounds. 3/ Includes small acreage and production in Pinal County.

VALENCIA ORANGES: Acreage, production, price, and value, Arizona, 1992/93-1996/97

Crop year	Harvested 1/ Acres	Utilization of production			Season average price 2/ Dol. per ctn	Value of production 1,000 dol.
		Fresh	Processed	Total		
		1,000 cartons 3/				
1992/93	5,600	1,830	470	2,300	1.84	4,225
1993/94	5,400	1,898	502	2,400	2.85	6,837
1994/95	5,200	1,284	16	1,300	2.76	3,591
1995/96	4,700	1,436	464	1,900	2.06	3,910
1996/97	4,500	1,194	6	1,200	2.64	3,168

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Equivalent packinghouse door returns. Marketing season February 1-August 31. 3/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Season average price and equivalent returns by utilization, Arizona, 1992/93-1996/97

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1992/93	5.25	1.84	2.37	-.22	.82	1.35	-1.24
1993/94	6.50	2.85	3.59	.05	1.84	2.58	-.97
1994/95	5.75	2.76	2.80	-.24	1.73	1.76	-1.28
1995/96	5.75	2.06	2.80	-.24	1.03	1.76	-1.28
1996/97	5.60	2.64	2.65	.60	1.60	1.61	-.44

1/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1992/93-1996/97

Crop year and month	F.O.B packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93							
Feb	5.40	1.94	2.52	-.27	.92	1.50	-1.29
Mar	5.40	2.01	2.52	-.27	.99	1.50	-1.29
Apr	5.40	1.79	2.52	-.27	.77	1.50	-1.29
May	5.05	1.78	2.17	-.16	.76	1.15	-1.18
Jun	4.90	1.70	2.02	.04	.68	1.00	-.99
Jul	1.56	-.74	-1.33	.04	-1.76	-2.35	-.99
1993/94							
Feb	8.10	4.16	5.19	.07	3.14	4.18	-.95
Mar	8.35	4.13	5.44	.18	3.11	4.43	-.84
Apr	5.55	2.24	2.64	-.04	1.22	1.63	-1.06
May	5.55	2.27	2.64	-.04	1.26	1.63	-1.06
Jun	4.46	9.10	1.55	-.04	-.11	.53	-1.06
Jul	4.05	.95	1.14	-.04	-.07	.13	-1.06
1994/95							
Feb	--	--	--	--	--	--	--
Mar	5.75	2.80	2.80	--	1.76	1.76	--
Apr	6.00	3.01	3.05	-.24	1.97	2.01	-1.28
May	5.90	2.89	2.95	-.24	1.85	1.91	-1.28
Jun	4.99	2.02	2.04	-.24	.98	1.00	-1.28
Jul	4.89	1.94	1.94	--	.90	.90	--
1995/96							
Feb	7.85	4.05	4.90	-.24	3.01	3.86	-1.28
Mar	6.50	3.43	3.55	-.24	2.39	2.51	-1.28
Apr	6.00	2.46	3.05	-.24	1.42	2.01	-1.28
May	5.30	1.62	2.35	-.24	.58	1.31	-1.28
Jun	5.30	1.48	2.35	-.24	.44	1.31	-1.28
Jul	5.60	1.38	2.65	-.24	.34	1.61	-1.28
1996/97							
Feb	--	--	--	--	--	--	--
Mar	5.65	2.70	2.70	--	1.66	1.66	--
Apr	5.80	2.84	2.85	.54	1.80	1.81	-.50
May	5.65	2.69	2.70	.63	1.65	1.66	-.41
Jun	4.05	1.10	1.10	--	.06	.06	--
Jul	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

1997 ARIZONA AGRICULTURAL STATISTICS

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage and production, Arizona, by counties,
1992/93-1996/97

County and crop year	Harvested 1/ Acres	Utilization of production 1,000 cartons 2/		
		Fresh	Processed	Total
MARICOPA 3/				
1992/93	4,600	1,080	233	1,313
1993/94	4,900	1,070	245	1,315
1994/95	4,800	623	83	706
1995/96	4,400	1,023	287	1,310
1996/97	4,400	633	112	745
YUMA				
1992/93	400	82	5	87
1993/94	300	58	27	85
1994/95	400	83	11	94
1995/96	300	77	13	90
1996/97	300	47	8	55

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Net weight per carton, 37.5 pounds. 3/ Includes small acreage and production in Pinal County.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage, production, price, and value, Arizona,
1992/93-1996/97

Crop year	Harvested 1/ Acres	Utilization of production			Season average price 2/ Dol. per ctn	Value of production 1,000 dol.
		Fresh	Processed	Total		
		1,000 cartons 3/				
1992/93	5,000	1,162	238	1,400	3.78	5,294
1993/94	5,200	1,128	272	1,400	4.09	5,726
1994/95	5,200	706	94	800	5.03	4,025
1995/96	4,700	1,100	300	1,400	3.36	4,702
1996/97	4,700	680	120	800	4.44	3,551

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Equivalent packinghouse door returns. Marketing season November 1-March 15. 3/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Season average price and equivalent returns
by utilization, Arizona, 1992/93-1996/97

Crop year	F.O.B packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	rocessed
Dollars per carton 1/							
1992/93	7.60	3.78	4.60	-.19	2.89	3.70	-1.09
1993/94	8.15	4.09	5.11	-.14	3.18	4.20	-1.06
1994/95	8.80	5.03	5.71	-.07	4.01	4.69	-1.09
1995/96	7.35	3.36	4.34	-.24	2.37	3.35	1.23
1996/97	8.25	4.44	5.24	-.10	3.45	4.25	-1.09

1/ Net weight per carton, 37.5 pounds.

**NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Monthly prices and equivalent returns by utilization, Arizona
1992/93-1996/97**

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
<u>1992/93</u>							
Oct	10.10	6.06	7.10	-.19	5.16	6.20	-1.09
Nov	8.65	4.61	5.65	-.19	3.71	4.75	-1.09
Dec	7.85	3.93	4.85	-.19	3.04	3.95	-1.09
Jan	7.30	3.57	4.30	-.19	2.67	3.40	-1.09
Feb	5.75	2.45	2.75	-.19	1.56	1.85	-1.09
Mar	2.88	-.14	-.13	-.19	-1.04	-1.02	-1.09
Apr	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
<u>1993/94</u>							
Oct	10.05	6.00	7.01	-.09	5.08	6.10	-1.01
Nov	9.40	5.37	6.36	-.18	4.46	5.45	-1.10
Dec	7.95	3.89	4.91	-.18	2.98	4.00	-1.10
Jan	6.70	2.71	3.66	-.14	1.80	2.75	-1.06
Feb	6.45	2.76	3.41	.09	1.85	2.50	-.83
Mar	5.35	1.40	2.31	.18	.48	1.40	-.74
Apr	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
<u>1994/95</u>							
Oct	--	--	--	--	--	--	--
Nov	10.00	5.92	6.91	-.12	4.90	5.89	-1.15
Dec	9.60	5.59	6.51	-.03	4.57	5.49	-1.06
Jan	8.15	4.66	5.06	-.03	3.64	4.04	-1.06
Feb	4.82	1.64	1.73	-.12	.62	.71	-1.15
Mar	2.96	-.13	-.13	--	-1.16	-1.16	--
Apr	2.88	-.21	-.21	--	-1.24	-1.24	--
May	--	--	--	--	--	--	--
<u>1995/96</u>							
Oct	12.75	9.74	9.74	--	8.75	8.75	--
Nov	9.65	5.60	6.64	-.24	4.61	5.65	-1.23
Dec	7.55	3.65	4.54	-.24	2.66	3.55	-1.23
Jan	7.40	3.37	4.39	-.24	2.38	3.40	-1.23
Feb	6.40	2.36	3.39	-.24	1.37	2.40	-1.23
Mar	5.95	2.07	2.94	-.24	1.08	1.95	-1.23
Apr	3.53	.39	.52	-.24	-.60	-.47	-1.23
May	2.77	-.24	-.24	-.24	-1.23	-1.23	-1.23
<u>1996/97</u>							
Oct	--	--	--	--	--	--	--
Nov	9.70	5.74	6.69	-.14	4.75	5.70	-1.13
Dec	8.45	4.36	5.44	-.14	3.37	4.45	-1.13
Jan	7.85	4.17	4.84	-.04	3.18	3.85	-1.03
Feb	5.75	2.66	2.74	.30	1.67	1.75	-.69
Mar	4.50	1.41	1.49	.32	.42	.50	-.67
Apr	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Acreage and production, Arizona, by counties, 1992/93-1996/97

County and crop year	Harvested 1/	Utilization of production		
		Fresh	Processed	Total
Acres		1,000 cartons 2/		
MARICOPA 3/				
1992/93	7,200	1,831	517	2,348
1993/94	7,600	1,711	436	2,147
1994/95	7,300	1,359	91	1,450
1995/96	6,900	1,778	533	2,311
1996/97	6,900	1,308	115	1,423
YUMA				
1992/93	3,400	1,161	191	1,352
1993/94	3,000	1,315	338	1,653
1994/95	3,100	631	19	650
1995/96	2,500	758	231	989
1996/97	2,300	566	11	577

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Net weight per carton, 37.5 pounds. 3/ Includes small acreage and production in Pinal County.

ALL ORANGES: Acreage, production, price, and value, Arizona, 1992/93-1996/97

Crop year	Harvested 1/	Utilization of production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn	1,000 dol.
1992/93	10,600	2,992	708	3,700	2.58	9,519
1993/94	10,600	3,026	774	3,800	3.31	12,563
1994/95	10,400	1,990	110	2,100	3.63	7,616
1995/96	9,400	2,536	764	3,300	2.61	8,612
1996/97	9,200	1,874	126	2,000	3.36	6,719

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Equivalent packinghouse door returns. 3/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Season average price and equivalent returns by utilization, Arizona, 1992/93-1996/97

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93	6.15	2.58	3.23	-.21	1.60	2.26	-1.19
1993/94	7.10	3.31	4.16	-.02	2.33	3.18	-1.00
1994/95	6.85	3.63	3.83	-.09	2.60	2.80	-1.11
1995/96	6.45	2.61	3.47	-.24	1.59	2.45	-1.26
1996/97	6.55	3.36	3.59	-.07	2.34	2.57	-1.07

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1992/93-1996/97

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93							
Oct	10.10	6.06	7.10	-.19	5.16	6.20	-1.09
Nov	8.65	4.61	5.65	-.19	3.71	4.75	-1.09
Dec	7.85	3.93	4.85	-.19	3.04	3.95	-1.09
Jan	7.30	3.57	4.30	-.19	2.67	3.40	-1.09
Feb	5.55	2.16	2.62	-.25	1.20	1.66	-1.23
Mar	5.25	1.86	2.33	-.26	.85	1.32	-1.27
Apr	5.40	1.79	2.52	-.27	.77	1.50	-1.29
May	5.05	1.78	2.17	-.16	.76	1.15	-1.18
Jun	4.90	1.70	2.02	.04	.68	1.00	-.99
Jul	1.56	-.74	-1.33	.04	-1.76	-2.35	-.99
1993/94							
Oct	10.05	6.00	7.01	-.09	5.08	6.10	-1.01
Nov	9.40	5.37	6.36	-.18	4.46	5.45	-1.10
Dec	7.95	3.89	4.91	-.18	2.98	4.00	-1.10
Jan	6.70	2.71	3.66	-.14	1.80	2.75	-1.06
Feb	7.70	3.81	4.75	.08	2.82	3.76	-.92
Mar	8.30	4.07	5.39	.18	3.06	4.38	-.83
Apr	5.55	2.24	2.64	-.04	1.22	1.63	-1.06
May	5.55	2.27	2.64	-.04	1.26	1.63	-1.06
Jun	4.46	.91	1.55	-.04	-.11	.53	-1.06
Jul	4.05	.95	1.14	-.04	-.07	.13	-1.06
1994/95							
Oct	--	--	--	--	--	--	--
Nov	10.00	5.92	6.91	-.12	4.90	5.89	-1.15
Dec	9.60	5.59	6.51	-.03	4.57	5.49	-1.06
Jan	8.15	4.66	5.06	-.03	3.64	4.04	-1.06
Feb	4.80	1.64	1.73	-.12	.62	.71	-1.15
Mar	5.55	2.58	2.58	--	1.54	1.54	--
Apr	5.85	2.85	2.89	-.24	1.81	1.85	-1.28
May	5.90	2.89	2.95	-.24	1.85	1.91	-1.28
Jun	4.99	2.02	2.04	-.24	.98	1.00	-1.28
Jul	4.89	1.94	1.94	--	.90	.90	--
1995/96							
Oct	12.75	9.74	9.74	--	8.75	8.75	--
Nov	9.65	5.60	6.54	-.24	4.61	5.65	-1.23
Dec	7.55	3.65	4.54	-.24	2.66	3.55	-1.23
Jan	7.40	3.37	4.39	-.24	2.38	3.40	-1.23
Feb	6.50	2.44	3.47	-.24	1.45	2.48	-1.23
Mar	6.30	2.86	3.34	-.24	1.84	2.32	-1.23
Apr	5.80	2.29	2.84	-.24	1.25	1.80	-1.28
May	5.30	1.59	2.33	-.24	-.55	1.29	-1.28
Jun	4.96	1.29	2.00	-.24	.26	.97	-1.28
Jul	5.60	1.38	2.65	-.24	.34	1.61	-1.28
1996/97							
Oct	--	--	--	--	--	--	--
Nov	9.70	5.74	6.69	-.14	4.75	5.70	-1.13
Dec	8.45	4.32	5.44	-.14	3.37	4.45	-1.13
Jan	7.85	4.17	4.84	-.04	3.18	3.85	-1.03
Feb	5.75	2.66	2.74	.30	1.67	1.75	-.69
Mar	5.25	2.22	2.27	.32	1.20	1.25	-.67
Apr	5.80	2.84	2.85	.54	1.80	1.81	-.50
May	5.65	2.69	2.70	.63	1.65	1.66	-.41
Jun	4.05	1.10	1.10	--	.06	.06	--
Jul	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

1997 ARIZONA AGRICULTURAL STATISTICS**TANGERINES: Acreage and production, Arizona, by counties, 1992/93-1996/97**

County and crop year	Harvested 1/	Utilization of production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1992/93	2,800	606	339	945
1993/94	3,200	775	281	1,056
1994/95	3,000	642	93	735
1995/96	2,900	881	304	1,185
1996/97	3,200	594	65	659
YUMA				
1992/93	2,100	798	157	955
1993/94	2,300	841	103	944
1994/95	2,600	522	43	565
1995/96	2,600	651	164	815
1996/97	2,100	398	43	441

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Net weight per carton, 37.5 pounds. 3/ Includes small acreage and production in Pinal County.

TANGERINES: Acreage, production, price, and value, Arizona 1992/93-1996/97

Crop year	Harvested 1/	Utilization of production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn	1,000 dol.
1992/93	4,900	1,404	496	1,900	6.30	11,959
1993/94	5,500	1,616	384	2,000	5.62	11,233
1994/95	5,600	1,164	136	1,300	8.14	10,578
1995/96	5,500	1,532	468	2,000	5.40	10,802
1996/97	5,300	992	108	1,100	7.61	8,367

1/ Acres harvested from Arizona Citrus, Fruit and Vegetable Standardization. 2/ Equivalent packinghouse door returns. Marketing season November 1-February 1. 3/ Net weight per carton, 37.5 pounds.

TANGERINES: Season average price and equivalent returns by utilization, Arizona 1992/93-1996/97

Table 1. Season average price and equivalent returns by destination, Arizona 1992/93-1996/97							
Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93	11.50	6.30	8.62	-.28	5.28	7.60	-1.30
1993/94	9.90	5.62	6.99	-.17	4.60	5.98	-1.18
1994/95	12.05	8.14	9.10	-.10	7.10	8.06	-1.14
1995/96	10.10	5.40	7.10	-.16	4.36	6.06	-1.20
1996/97	11.40	7.61	8.45	-.14	6.57	7.41	-1.18

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Monthly prices and equivalent returns by utilization, Arizona, 1992/93-1996/97

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1992/93							
Nov	10.95	6.02	8.07	-.28	5.00	7.05	-1.30
Dec	12.25	7.15	9.37	-.28	6.13	8.35	-1.30
Jan	12.20	6.91	9.32	-.28	5.89	8.30	-1.30
Feb	11.60	5.67	8.72	-.28	4.65	7.70	-1.30
Mar	9.90	4.87	7.02	-.28	3.85	6.00	-1.30
Apr	8.95	4.55	6.07	-.28	3.53	5.05	-1.30
May	--	--	--	--	--	--	--
1993/94							
Nov	10.10	6.45	7.19	-.26	5.43	6.18	-1.28
Dec	10.25	5.82	7.34	-.26	4.81	6.33	-1.28
Jan	10.55	5.77	7.64	-.22	4.75	6.63	-1.24
Feb	10.80	5.85	7.89	-.04	4.84	6.88	-1.06
Mar	10.15	5.62	7.24	.04	4.61	6.23	-.98
Apr	8.65	5.23	5.74	-.09	4.22	4.73	-1.11
May	6.70	3.50	3.79	-.09	2.49	2.78	-1.11
1994/95							
Nov	10.35	7.26	7.40	-.16	6.22	6.36	-1.20
Dec	12.60	8.58	9.65	-.08	7.54	8.61	-1.12
Jan	14.10	9.47	11.15	-.08	8.43	10.11	-1.12
Feb	11.25	7.35	8.30	-.16	6.31	7.26	-1.20
Mar	9.20	5.98	6.25	-.21	4.94	5.21	-1.25
Apr	6.55	3.60	3.60	--	2.56	2.56	--
May	--	--	--	--	--	--	--
1995/96							
Nov	11.40	8.21	8.45	-.16	7.17	7.41	-1.20
Dec	11.05	7.78	8.10	-.16	6.74	7.06	-1.20
Jan	10.90	6.85	7.95	-.16	5.81	6.91	-1.20
Feb	9.70	4.60	6.75	-.16	3.56	5.71	-1.20
Mar	9.40	4.08	6.45	-.16	3.04	5.41	-1.20
Apr	8.15	4.03	5.20	-.16	2.99	4.16	-1.20
May	6.60	2.22	3.65	-.16	1.18	2.60	-1.20
1996/97							
Nov	11.76	8.47	8.75	-.14	7.43	7.71	-1.18
Dec	12.60	8.59	9.65	-.14	7.55	8.61	-1.18
Jan	12.35	8.36	9.40	-.14	7.32	8.36	-1.18
Feb	9.90	5.95	6.95	-.14	4.91	5.91	-1.18
Mar	9.05	6.10	6.10	--	5.06	5.06	--
Apr	2.41	-.54	-.54	--	-1.58	-1.58	--
May	2.40	-.55	-.55	--	-1.59	-1.59	--

1/ Net weight per carton, 37.5 pounds.

1997 ARIZONA AGRICULTURAL STATISTICS**GRAPES: Bearing acreage and variety, Arizona, by counties, 1993-97 1/**

County and year	Table varieties				Wine varieties	Total
	Flame seedless	Perlette	Thompson seedless	Other 2/		
Acres						
MARICOPA						
1993	705	440	970	70	3/	2,185
1994	975	480	920	60	3/	2,435
1995	895	475	905	75	3/	2,350
1996	820	280	995	90	3/	2,185
1997	750	195	1,040	85	3/	2,070
PINAL						
1993	475	85	60	35	3/	655
1994	460	85	60	15	3/	620
1995	470	90	85	25	3/	670
1996	465	90	80	20	3/	655
1997	465	90	80	20	3/	655
YUMA						
1993	435	415	295	15	3/	1,160
1994	430	410	290	15	3/	1,145
1995	440	420	300	20	3/	1,180
1996	435	415	295	15	3/	1,160
1997	435	415	295	20	3/	1,165
OTHER COUNTIES 4/						
1993	3/	3/	3/	3/	300	300
1994	3/	3/	3/	3/	200	200
1995	3/	3/	3/	3/	300	300
1996	3/	3/	3/	3/	300	300
1997	3/	3/	3/	10	300	310
ARIZONA						
1993	1,615	940	1,325	120	300	4,300
1994	1,865	975	1,270	90	200	4,400
1995	1,805	985	1,290	120	300	4,500
1996	1,720	785	1,370	125	300	4,300
1997	1,650	700	1,415	135	300	4,200

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 Curran varieties. 3/ Acreage too small to publish. 4/ Includes Cochise, Graham, Pima, Santa Cruz, and Yavapai counties.

GRAPES: Production, price, and value, Arizona 1993-97

Crop year	Total production	Utilized production	Season average price 1/	Value of utilized production
	Tons		Dol. per ton	1,000 dol.
1993	24,000	24,000	753.00	18,066
1994	26,000	26,000	940.00	24,430
1995	26,000	26,000	897.00	23,314
1996	25,000	25,000	803.00	20,063
1997	23,000	23,000	855.00	19,665

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

DECIDUOUS FRUITS: Acres, production, and value, Arizona, 1993-97 1/

Crop	Year	Acres in production	Unit	Utilized production	Value of production
		Acres		1,000 units	1,000 dollars
NECTARINES 2/	1993	40	26 lb carton		
	1994	12			
	1995	12			
	1996	12			
	1997	12			
PEACHES	1993	303	26 lb carton	51	237
	1994	284		35	109
	1995	297		41	192
	1996	322		50	395
	1997	301		80	600
MISCELLANEOUS FRUIT 3/	1993	284			30
	1994	254			54
	1995	753			315
	1996	807			1,927
	1997	829			2,445

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

NUTS: Acres, production and value, Arizona 1993-97 1/

Crop	Year	Acres in production	Utilized production	Value of production
		Acres	1,000 lbs	1,000 dollars
PECANS 2/	1993	14,243		
	1994	14,589		
	1995	15,242		
	1996	15,122	17,000	10,540
	1997	12,873	17,500	21,875
PISTACHIOS	1993	2,417	6,200	6,634
	1994	2,500	5,575	5,140
	1995	2,383	5,719	5,490
	1996	2,935	4,900	5,537
	1997	2,935	7,983	9,021

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.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1996

Crop	State Total	Apache	Cochise	Cocconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland cotton: Acres	314,000	0	7,500	0	0	8,400	1,000	25,200	111,700	6,200	0	13,900	117,700	0	0	22,400
Bales, 480 lb net wt	778,000		15,200			16,000	2,400	56,400	290,300	14,000		31,000	292,800			59,900
American pima cotton: Acres	41,900	0	0	0	0	14,000	0	3,500	7,100	0	0	500	14,700	0	0	2,100
Bales, 480 lb net wt	74,400					24,400		6,900	11,900			500	25,300			5,400
Alfalfa: Acres	160,000	1,300	5,500	1/	1/	3,000	1/	33,500	54,000	5,000	1/	2,000	17,000	1/	1,000	36,000
Production, tons	1,280,000	4,000	34,000			19,000		280,000	453,000	40,000		13,000	132,000		4,500	291,000
Other hay: Acres	19,000	1/	1/	1/	1/	1/	1/	2,500	2,800	1,000	1/	1/	1,000	1/	1/	8,800
Production, tons	67,000							7,000	9,100	3,200			3,800			35,000
Durum wheat: Acres	164,000	0	1/	0	0	1/	0	8,000	45,200	0	0	5,500	56,000	0	0	47,000
Production, tons	442,800							19,500	126,750			14,850	134,550			141,000
Other wheat: Acres	14,000	1/	1/	1/	1/	1/	1/	3,000	4,600	1/	1/	1,000	2,100	1/	1/	3,000
Production, tons	39,900							9,390	12,150			2,700	5,700			9,000
Barley: Acres	54,000	1/	4,800	1/	1/	1,400	1/	2/	18,400	0	1/	1,000	26,000	1/	1/	2,000
Production, tons	136,080		12,000			4,030			44,090			2,350	67,440			5,280
Corn for grain: Acres	40,000	1/	17,500	0	0	3,100	800	1,000	7,600	1/	1/	1/	3,100	0	1/	5,800
Production, tons	196,000		93,100			13,550	3,140	4,200	35,110				15,450			26,800
Potatoes: Acres	9,000	0	2/	0	0	0	0	0	3,600	0	0	0	3,700	0	0	1,700
Production, 1,000 cwt	2,475								1,062				1,055			358
Principal vegetables: Acres 3/	118,600	0	1,600	0	0	0	0	3,000	24,000	0	0	500	4,400	0	0	84,550
Production, cwt	29,915,000															
Grapes: Acres	4,300	0	1/	0	0	0	0	0	2,185	0	0	1/	655	1/	1/	1,160
Production, tons	25,000															
Grapefruit: Acres	5,100	0	0	0	0	0	0	0	3,500	0	0	0	4/	0	0	1,600
Production, 1,000 ctns	2,400								1,474							926
All oranges: Acres	9,400	0	0	0	0	0	0	0	6,900	0	0	0	4/	0	0	2,500
Production, 1,000 ctns	3,300								2,311							989
Lemons: Acres	14,200	0	0	0	0	0	0	0	1,000	0	0	0	4/	0	0	13,200
Production, 1,000 ctns	10,200								867							9,333
Tangerines: Acres	5,500	0	0	0	0	0	0	0	2,900	0	0	0	4/	0	0	2,600
Production, 1,000 ctns	2,000								1,185							815
Other crops: Acres 5/	114,837															
Total acres harvested 6/	1,088,437															

1/ Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations. 2/ Included with Yuma County to avoid disclosure of individual operations.

3/ Principal vegetables include broccoli, cantaloupe, carrots, cauliflower, honeydews, head lettuce, Romaine lettuce, leaf lettuce, dry onions and watermelons. Some counties may include acreage for other counties to avoid disclosure of individual operations. 4/ Included with Maricopa County to avoid disclosure of individual operations. 5/ Includes miscellaneous fruits, nuts, vegetables, and seed and field crops not listed above. Not available by county. 6/ Includes double crop acreage.

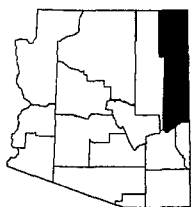
1997 ARIZONA AGRICULTURAL STATISTICS

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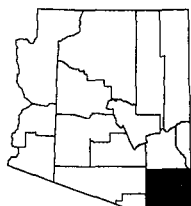
PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1997

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland cotton: Acres	324,000	0	9,500	0	0	9,900	2,000	25,200	117,900	6,200	0	14,500	113,900	0	0	24,900
Bales, 480 lb net wt	847,000		18,500			21,000	2,800	64,000	316,100	15,500		35,100	298,000			76,000
American pima cotton: Acres	22,000	0	1/	0	0	5,700	1/	1/	6,000	1/	0	1/	5,800	0	0	3,500
Bales, 480 lb net wt	41,800					9,800			11,500				10,600			8,100
Alfalfa: Acres	180,000	1/	1/	1/	1/	1/	1/	45,000	57,000	5,000	1/	1/	19,700	1/	1/	37,100
Production, tons	1,476,000							382,500	484,500	41,000			163,500			304,300
Other hay: Acres	40,000	1/	1/	1/	1/	1/	1/	6,100	7,200	1,500	1/	1/	3,700	1/	1/	16,600
Production, tons	164,000							25,000	29,500	5,700			14,800			71,300
Durum wheat: Acres	89,000	1/	1/	1/	1/	1/	1/	4,500	25,100	1/	1/	1/	26,600	1/	1/	29,800
Production, tons	240,300							12,290	69,280				63,840			86,720
Other wheat: Acres	9,000	1/	1/	1/	1/	1/	1/	1,800	3,500	1/	1/	1/	1,200	1/	1/	1,900
Production, tons	22,950							4,900	8,720				2,920			5,020
Barley: Acres	67,000	1/	2,500	1/	1/	1,900	1,600	1/	25,600	1/	1/	1,400	30,100	1/	1/	3,300
Production, tons	164,020		6,540			5,430	4,380		59,600			3,330	75,130			8,160
Corn for grain: Acres	50,000	1/	20,900	1/	1/	4,800	900	1/	6,200	1/	1/	1/	5,900	1/	1/	8,800
Production, tons	238,000		104,750			25,130	3,480		29,130				25,610			40,400
Potatoes: Acres	6,200	0	0	0	0	0	0	0	4,900	0	0	0	1,300	0	0	3/
Production, 1,000 cwt	1,705															
Principal vegetables: Acres 2/	117,400	0	1,800	0	0	0	0	6,300	21,800	0	0	850	3,450	0	0	82,400
Production, cwt	33,072,000															
Grapes: Acres	4,200	0	1/	0	0	0	0	0	2,070	0	0	1/	655	1/	1/	1,165
Production, tons	23,000															
Grapefruit: Acres	4,700	0	0	0	0	0	0	0	3,200	0	0	0	3/	0	0	1,600
Production, 1,000 ctns	1,800								1,224							576
All oranges: Acres	9,200	0	0	0	0	0	0	0	6,900	0	0	0	3/	0	0	2,300
Production, 1,000 ctns	2,000								1,423							577
Lemons: Acres	13,900	0	0	0	0	0	0	0	1,200	0	0	0	3/	0	0	12,700
Production, 1,000 ctns	5,200								477							4,723
Tangerines: Acres	5,300	0	0	0	0	0	0	0	3,200	0	0	0	3/	0	0	2,100
Production, 1,000 ctns	1,100								659							441
Other crops: Acres 4/	117,052															
Total acres harvested 5/	1,058,952															

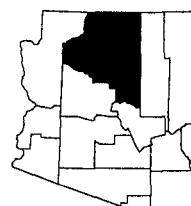
1/ Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations. 2/ Principal vegetables include broccoli, cantaloupe, carrots, cauliflower, honeydews, head lettuce, Romaine lettuce, leaf lettuce, dry onions and watermelons. Some counties may include acreage for other counties to avoid disclosure of individual operations. Counties may not sum to state due to nondisclosure rules. 3/ Included with Maricopa County to avoid disclosure of individual operations. 4/ Includes miscellaneous fruits, nuts, vegetables, and seed and field crops not listed above. Not available by county. 5/ Includes double crop acreage.

1997 ARIZONA AGRICULTURAL STATISTICS**APACHE COUNTY**

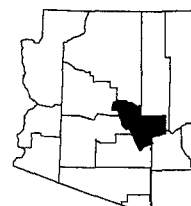
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Barley	1/				Crops \$ 956,000	15
Corn for grain	1/				Livestock \$37,794,000	6
Alfalfa hay	1/					
Other hay	1/					
<u>Livestock January 1, 1998</u>						
					All cattle and calves 48,000	5
					All sheep and lambs 22,000	3

COCHISE COUNTY

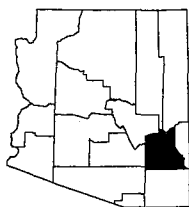
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	9,500	935 lbs	18,500 bales	7	Crops \$52,072,000	5
Pima cotton	1/				Livestock \$53,003,000	5
Durum wheat	1/					
Other wheat	1/					
Barley	2,500	5,230 lbs	6,540 tons	4	<u>Livestock January 1, 1998</u>	
Corn for grain	20,900	10,020 lbs	104,750 tons	1	All cattle and calves 76,000	4
Alfalfa hay	1/					
Other hay	1/					
Principal vegetables	1,800	263 cwt	381,900 cwt	5		
Grapes	1/					

COCONINO COUNTY

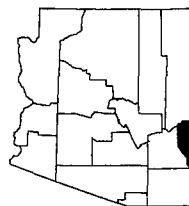
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Alfalfa hay	1/				Crops \$6,263,000	9
Other hay	1/				Livestock \$34,192,000	8
<u>Livestock January 1, 1998</u>						
					All cattle and calves 40,000	6
					All sheep and lambs 4,000	6

GILA COUNTY

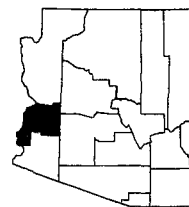
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Other wheat	1/				Crops \$1,285,000	14
Barley	1/				Livestock \$14,631,000	10
Alfalfa hay	1/					
Other hay	1/					
<u>Livestock January 1, 1998</u>						
					All cattle and calves 19,000	11

GRAHAM COUNTY

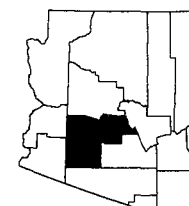
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	9,900	1,018 lbs	21,000 bales	6	Crops	\$22,060,000 7
Pima cotton	5,700	825 lbs	9,800 bales	3	Livestock	\$14,289,000 11
Durum wheat	1/					
Other wheat	1/					
Barley	1,900	5,710 lbs	5,430 tons	5	<u>Livestock January 1, 1998</u>	
Corn for grain	4,800	10,470 lbs	25,130 tons	5	All cattle and calves	20,000 9
Alfalfa hay	1/					
Other hay	1/					

GREENLEE COUNTY

<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	2,000	672 lbs	2,800 bales	9	Crops	\$4,184,000 11
Pima cotton	1/				Livestock	\$7,166,000 14
Barley	1,600	5,470 lbs	4,380 tons	6		
Corn for grain	900	7,730 lbs	3,480 tons	7	<u>Livestock January 1, 1998</u>	
Alfalfa hay	1/				All cattle and calves	11,000 14
Other hay	1/					

LA PAZ COUNTY

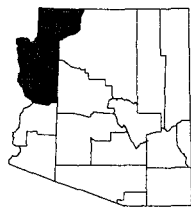
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	25,200	1,219 lbs	64,000 bales	4	Crops	\$64,860,000 4
Pima cotton	1/				Livestock	\$844,000 15
Durum wheat	4,500	5,460 lbs	12,290 tons	4		
Other wheat	1,800	5,460 lbs	4,910 tons	3	<u>Livestock January 1, 1998</u>	
Barley	1/				All cattle and calves	1,000 15
Corn for grain	1/					
Alfalfa hay	45,000	8.5 tons	382,500 tons	2		
Other hay	6,100	4.1 tons	25,000 tons	3		
Principal vegetables	6,300	216 cwt	1,360,900 cwt	3		

MARICOPA COUNTY

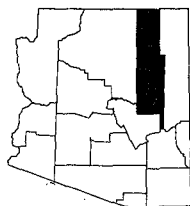
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	117,900	1,287 lbs	316,100 bales	1	Crops	\$385,942,000 2
Pima cotton	6,000	920 lbs	11,500 bales	1	Livestock	\$365,746,000 1
Durum wheat	25,100	5,520 lbs	6,928 tons	2		
Other wheat	3,500	4,980 lbs	8,720 tons	1	<u>Livestock January 1, 1998</u>	
Barley	25,600	4,660 lbs	59,600 tons	2	All cattle and calves	182,000 1
Corn for grain	6,200	9,070 lbs	28,130 tons	3	All sheep and lambs	28,000 2
Alfalfa hay	57,000	8.5 tons	484,500 tons	1		
Other hay	7,200	4.1 tons	29,500 tons	2		
Potatoes	3,450	323 cwt	1,114,000 cwt	1		
Principal vegetables	21,800	231 cwt	5,025,800 cwt	2		
Grapes	2,070		2/			
Citrus	14,500	260 ctn	3,783,000 ctn	2		

See footnotes at end of table.

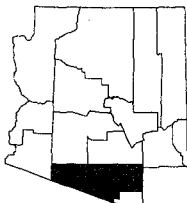
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1997 ARIZONA AGRICULTURAL STATISTICS**MOHAVE COUNTY**

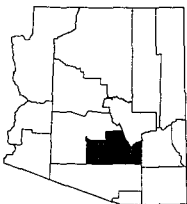
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	6,200	1,200 lbs	15,500 bales	8	Crops \$10,562,000	8
Other wheat	1/				Livestock \$10,535,000	13
Corn for grain	1/					
Alfalfa hay	5,000	8.2 tons	41,000 tons	5	<u>Livestock January 1, 1998</u>	
Other hay	1,500	3.8 tons	5,700 tons	5	All cattle and calves 16,000	12

NAVAJO COUNTY

<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Corn for grain	1/				Crops \$4,745,000	10
Alfalfa hay	1/				Livestock \$63,803,000	4
Other hay	1/					
					<u>Livestock January 1, 1998</u>	
					All cattle and calves 20,000	10
					All sheep and lambs 14,000	4
					Hogs and pigs 132,000	1

PIMA COUNTY

<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	14,500	1,162 lbs	35,100 bales	5	Crops \$27,979,000	6
Pima cotton	1/				Livestock \$29,529,000	9
Durum wheat	1/					
Other wheat	1/				<u>Livestock January 1, 1998</u>	
Barley	1,400	4,750 lbs	3,330 tons	7	All cattle and calves 40,000	7
Corn for grain	900	6,940 lbs	3,120 tons	7		
Alfalfa hay	1/					
Other hay	1/					
Principal						
Vegetables	850	153 cwt	130,150 cwt	6		
Grapes	1/					

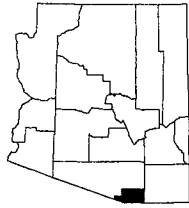
PINAL COUNTY

<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	113,900	1,256 lbs	298,800 bales	2	Crops \$191,232,000	3
Pima cotton	5,800	877 lbs	10,600 bales	2	Livestock \$133,326,000	2
Durum wheat	26,600	4,800 lbs	63,840 tons	3		
Other wheat	1,200	4,860 lbs	2,920 tons	4	<u>Livestock January 1, 1998</u>	
Barley	30,100	4,990 lbs	75,130 tons	1	All cattle and calves 167,000	2
Corn for grain	5,900	8,680 lbs	25,610 tons	4	All sheep and lambs 11,000	5
Alfalfa hay	19,700	8.3 tons	163,500 tons	4		
Other hay	3,700	4.0 tons	14,800 tons	4		
Potatoes	1,300	249 cwt	324,000 cwt	2		
Principal						
vegetables	3,450	287 cwt	989,950 cwt	4		
Grapes	655		2/			

See footnotes at end of table.

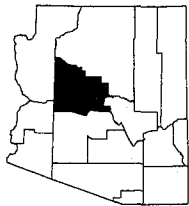
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SANTA CRUZ COUNTY



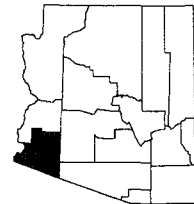
<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Alfalfa hay	1/				Crops \$1,497,000	13
Other hay	1/				Livestock \$10,600,000	12
Grapes	1/					
<u>Livestock January 1, 1998</u>						
					All cattle and calves 16,000	13

YAVAPAI COUNTY



<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Corn for grain	1/				Crops \$2,756,000	12
Alfalfa hay	1/				Livestock \$35,284,000	7
Other hay	1/					
Grapes	1/					
<u>Livestock January 1, 1998</u>						
					All cattle and calves 40,000	8

YUMA COUNTY

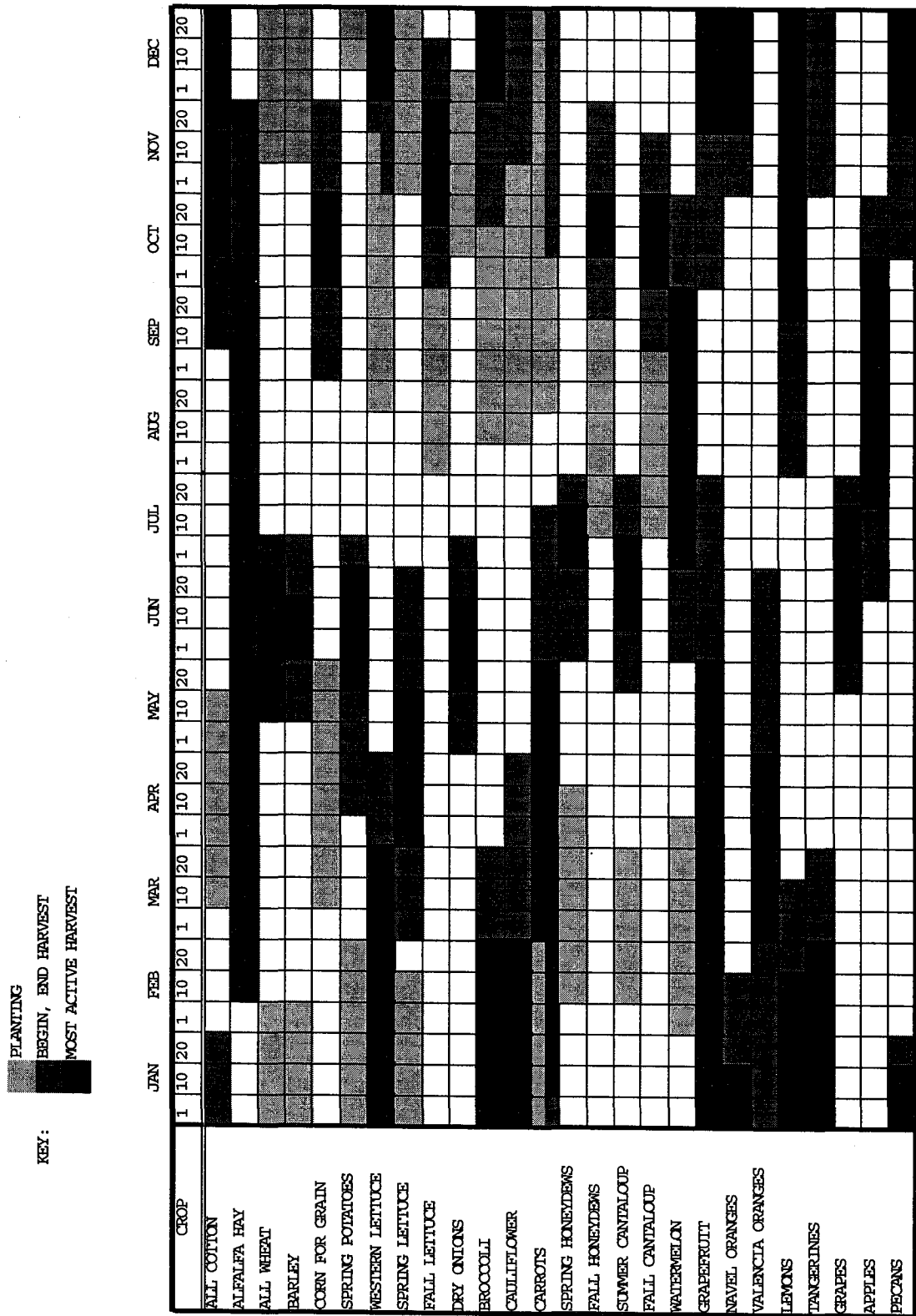


<u>Crops 1997</u>	<u>Acres harvested</u>	<u>Yield per acre</u>	<u>Production</u>	<u>Rank</u>	<u>Cash receipts 1997</u>	<u>Rank</u>
Upland cotton	24,900	1,465 lbs	76,000 bales	3	Crops \$526,714,000	1
Pima cotton	3,500	1,111 lbs	8,100 bales	4	Livestock \$77,672,000	3
Durum wheat	30,400	5,820 lbs	86,720 tons	1		
Other wheat	1,900	5,280 lbs	5,020 tons	2	<u>Livestock January 1, 1998</u>	
Barley	3,300	4,940 lbs	8,160 tons	3	All cattle and calves 104,000	3
Corn for grain	8,800	9,180 lbs	40,400 tons	2	Sheep and lambs 36,000	1
Alfalfa hay	37,100	8.2 tons	304,300 tons	3		
Other hay	16,600	4.3 tons	71,300 tons	1		
Principal vegetables	82,400	299 cwt	24,636,530 cwt	1		
Potatoes	1/					
Grapes	1,165		2/			
Citrus	18,600	340 ctn	6,317,000 ctn	1		

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



UPLAND COTTON: Estimated percentage planted to specified varieties, Arizona, by counties 1996 and crop years, 1992-96

Variety	County					Crop year				
	Cochise	Maricopa	Pinal	Yuma	Other Counties	1992	1993	1994	1995	1996
	Percent					Percent				
Acala 1517-75						*	*	*		
Acala 1517-88	36.1				3.0	.8	*	.5	1.7	1.8
Acala 1517-91							.9	.5		
Cargill Paymaster HS 26						*		.6		
Chembred CB 407	2.8						*	*	.1	.1
Chembred CB 1135						.5	.9			
Deltapine 20	2.8	1.8	2.0	1.6	5.9	6.5	5.1	3.6	2.4	2.4
Deltapine 41						.5	1.2	1.0		
Deltapine 50		1.2		37.3	.9	1.8	2.3	4.7	4.4	4.6
Deltapine 51				6.0		1.4	*	1.8	1.2	1.2
Deltapine 77						1.0				
Deltapine Acala 90	26.0		5.6		10.1	15.7	8.4	8.2	4.1	3.9
Deltapine DP 5409		2.2	11.9	4.6	1.7				5.3	5.0
Deltapine DP 5415		74.2	59.1	40.0	59.5	49.8	59.8	55.0	60.9	61.3
Deltapine DP 5461		1.0	3.2			1.9	.6	1.7	1.3	1.3
Deltapine DP 5690		3.7	1.7		.7	1.2	5.1	*	2.2	2.2
Deltapine DP 5816		*			*	4.7	2.3	3.6	.1	.1
Deltapine Suregrow DES-119					1.0	.5	.8	1.2		.1
Hyperformer 44		.6								.3
Hyperformer HS 46	5.4	.9	4.1			2.3	1.7	1.1	1.8	1.7
Stoneville 324								1.1		
Stoneville 453	3.3	.6				2.0	*		.4	.4
Stoneville 474		*	5.8						1.9	1.7
Stoneville 907										
Stoneville KC 311					3.4	.8	2.0	.5	.4	.5
Stoneville LA 887		1.2					.5	.8	.5	.5
Suregrow 125			.6		4.7				1.1	1.1
Suregrow 404		.6		2.0						.3
Suregrow 501		2.2		.7	2.9			2.4	1.4	1.4
Suregrow 1001						3.2	1.0	1.0		8.1
Terra C-40						.6	*	*		
All Other 1/	23.6	10.7	6.0	7.8	6.2	4.8	7.4	10.7	8.8	100.0

* Less than 0.5 percent. 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.

COTTON PROGRESS: Arizona, by survey week, 1993-97

Month and week	1993	1994	1995	1996	1997
Percent of acreage					
PLANTED					
Mar. 30	14	27	18	25	24
Apr. 10	30	45	38	35	39
Apr. 20	59	74	62	74	63
Apr. 30	79	88	84	87	82
May 10	91	96	95	92	94
May 20	98	99	97	97	98
May 30	100	100	100	99	100
June 10				100	
SQUARING					
June 10	61	77	56	61	65
June 20	83	93	71	78	80
June 30	94	99	87	95	91
July 10	98	100	98	97	97
July 20	100		100	100	100
SETTING BOLLS					
June 20	32	29	18	27	28
June 30	57	55	32	60	49
July 10	76	77	49	68	68
July 20	94	92	68	82	95
July 30	99	99	82	95	99
Aug. 10	100	100	98	100	100
Aug. 20			100		
OPEN BOLLS					
Aug. 10	38	43	24	42	25
Aug. 20	63	65	44	55	47
Aug. 30	86	83	86	78	66
Sept. 10	96	93	95	96	91
Sept. 20	99	98	98	100	98
Sept. 30	100	100	100		100
HARVESTED					
Sept. 30	30	24	12	17	26
Oct. 10	50	41	21	23	36
Oct. 20	68	67	30	35	47
Oct. 30	79	81	50	48	61
Nov. 10	90	92	70	63	75
Nov. 20	94	96	79	76	85
Nov. 30	97	99	89	81	91
Dec. 10	100	99	94	90	93
Dec. 20		100	99	96	95
Dec. 30			100	98	96
Jan. 10				100	99
Jan. 20					100

ALL COTTON: Running bales ginned and produced, Arizona, by counties 1993-97

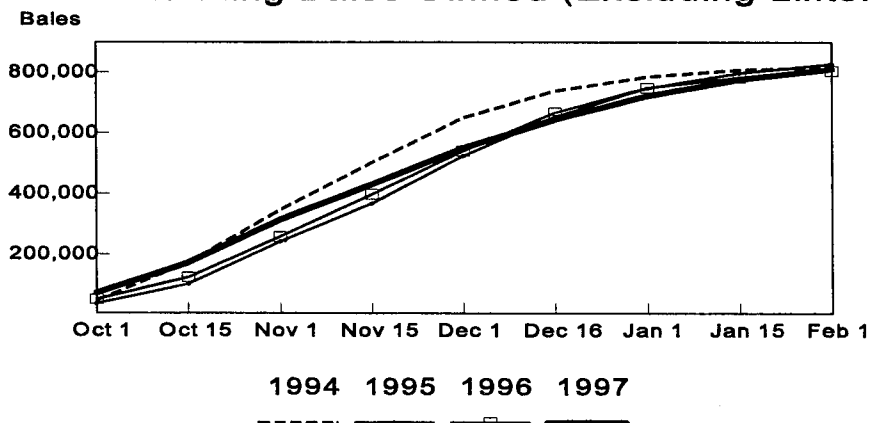
County and year	Running bales ginned	Equivalent 480-pound bales ginned	Running bales produced	County and year	Running bales ginned	Equivalent 480-pound bales ginned	Running bales produced
Bales				Bales			
COCHISE				YUMA			
1993	15,400	15,900	14,250	1993	58,800	61,050	57,700
1994	18,650	19,200	18,050	1994	66,100	68,400	64,350
1995	17,100	17,350	17,500	1995	74,100	76,600	72,850
1996	1/			1996	67,000	69,600	62,900
1997	1/			1997	92,400	94,400	89,650
MARICOPA				OTHER COUNTIES			
1993	356,850	363,850	337,100	1993	135,600	140,500	179,650
1994	351,100	358,100	320,650	1994	132,400	137,100	155,550
1995	354,050	360,100	319,350	1995	119,600	123,800	141,000
1996	329,200	336,950	294,550	1996	143,050	148,400	161,700
1997	351,550	358,350	308,750	1997	133,800	139,750	177,550
PINAL				ARIZONA			
1993	250,100	257,900	264,000	1993	816,750	839,200	852,700
1994	253,400	262,300	279,000	1994	821,650	845,100	837,600
1995	266,900	274,850	292,800	1995	831,750	852,700	843,500
1996	273,600	282,150	307,850	1996	812,850	837,000	827,000
1997	266,550	274,050	312,850	1997	844,300	866,550	888,800

ALL COTTON: Running bales ginned and produced, Arizona 1993-97

Variety and year	Running bales ginned	Equivalent 480-pound bales ginned	Running bales produced	Variety and year	Running bales ginned	Equivalent 480-pound bales ginned	Running bales produced
Bales				Bales			
UPLAND				AMERICAN-PIMA			
1993	732,200	751,950	768,550	1993	84,550	87,250	84,150
1994	743,500	764,400	759,800	1994	78,150	80,700	77,800
1995	761,000	780,050	773,200	1995	70,750	72,650	70,300
1996	740,400	762,200	755,000	1996	72,450	74,800	72,000
1997	803,100	824,250	847,000	1997	41,200	42,300	41,800

1/ Bales ginned included in Other Counties to avoid disclosure of individual operations.

**Arizona Upland Cotton Ginnings
Running Bales Ginned (Excluding Linters)**



PESTICIDE USE: By type, Arizona, 1996 and 1997 1/

Pesticide Type	1996	1997	Pesticide Type	1996	1997
1,000 lbs technical material			1,000 lbs technical material		
<u>INSECTICIDES</u>			<u>HERBICIDES (Continued)</u>		
Acephate	295	290	Cyanazine	18	17
Aldicarb	28	27	DCPA	28	17
Amitraz	22	2	Diclofop-Methyl	7	2
Azinphos-Methyl	5	4	Diuron	11	8
Carbaryl	4	6	EPTC	52	39
Carbofuron	16	12	Glyphosate	10	27
Chlorpyrifos	372	315	MCPA	19	10
Clethodim	6	2/	MSMA	8	4
Cypermethrin	5	7	Pendimethalin	39	43
Diazinon	12	13	Prometryn	57	47
Dicofol	6	9	Pronamide	23	25
Dimethoate	93	115	Trifluralin	107	105
Disulfoton	31	26			
Endosulfan	230	183	<u>FUNGICIDES AND BACTERICIDES</u>		
Fenpropathrin	8	7	Fosetyl-Aluminum	10	38
Formetanate	5	3	Mancozeb	10	12
Imidacloprid	6	5	Maneb	62	65
Lambela-Cyhalothrin	7	6	Metalaxyl	3	2/
Malathion	121	115	PCNB	3	2/
Methamidophos	10	8	Vinclozolin	4	9
Methidathion	58	10			
Methomyl	146	149	<u>DEFOLIANTS, DESICCANTS, AND</u>		
Oxamyl	122	90	<u>GROWTH REGULATORS</u>		
Parathion-Methyl	191	87	Cacodylic Acid	10	11
Permethrin	27	42	Chlorate	324	289
Pheromone	361	231	Ethephon	21	29
Profenofos	42	29	Mepiquat Chloride	15	3
Sulfur	190	203	Paraquat	10	20
Thiodicarb	16	6	Sodium Chlorate	274	266
			Tribufos	84	81
<u>HERBICIDES</u>			<u>FUMIGANTS</u>		
Benefin	26	25	Dichloropropene	90	129
Bensulide	36	52	Metam Sodium	114	242
Bromoxynil	6	7			

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, Arizona, 1996

ACTIVE INGREDIENT	HEAD LETTUCE					OTHER LETTUCE				
	Area applied	Applica-tions	Rate per applica-tion	Rate per crop year	Total applied	Area applied	Applica-tions	Rate per applica-tion	Rate per crop year	Total applied
	Percent	Number	Pounds per acre		1,000 lbs	Percent	Number	Pounds per acre		1,000 lbs
HERBICIDES:										
Benfin	19	1.2	1.2	1.42	16	1/				
Bensulide	16	1	4.02	4.2	39.2	1/				
Bromoxynil	1/									
DCPA	1/					1/				
EPTC	1/									
Pronamide	40	1.4	1.35	1.95	46.9	28	1.3	0.98	1.25	4
Sethoxydim	1/					1/				
Trifluralin	1/									
INSECTICIDES:										
Abamectin	11	1.9	0.009	0.02	0.1	1/				
Acephate	28	1.8	0.9	1.63	26.9	1/				
Azadirachtin	1/					1/				
Bt (Bacillus thur.) 2/	75	1.8				35	1.8			
Carbaryl	1/									
Chlorfenapyr	1/									
Chlorpyrifos	1/									
Cypermethrin	49	2.2	0.09	0.2	5.7	1/				
Cyromazine	1/									
Diazinon	17	1.1	0.61	0.69	7.1	1/				
Dimethoate	43	2.4	0.24	0.57	14.5	46	2	0.25	0.5	2.7
Disulfoton	1/					1/				
Endosulfan	37	1.8	0.79	1.42	31.2	37	1.6	0.84	1.34	5.8
Esfenvalerate	1/					1/				
Ethoprop	1/									
Imidacloprid	21	1	0.26	0.28	3.5	15	1.4	0.17	0.25	0.5
Lambda-cyhalothrin	8	1.3	0.03	0.04	0.2	1/				
Methamidophos	1/									
Methomyl	90	4.2	0.68	2.85	152	86	2.7	0.67	1.83	18.4
Mevinphos	1/					1/				
Oxydemeton-methyl	1/									
Permethrin	79	2.2	0.17	0.38	17.6	88	3.1	0.18	0.55	5.7
Piperonyl butoxide	1/									
Potassium salts	1/									
Pyrethrins	1/					1/				
Rotenone	1/					1/				
Thiodicarb	33	1.3	0.62	0.81	15.8	12	1.4	0.68	0.97	1.4
Zeta-cypermethrin	73	2.4	0.05	0.11	4.6	1/				
FUNGICIDES:										
Fosetyl-al	7	1.6	1.5	2.4	9.5	1/				
Iprodione	9	1.1	0.78	0.83	4.2	1/				
Mancozeb	1/					1/				
Maneb	36	1.8	0.98	1.77	37.5	44	2	1.02	2.04	10.5
Metalaxyl	5	1.7	0.14	0.23	0.7	1/				
Sulfur	1/									
Vinclozolin	42	1.5	0.77	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 1997

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 120 degrees at Lake Havasu City and Wahweap on July 15th and 16th, respectively. Flagstaff recorded the lowest temperature of -18 degrees on March 1st.

The first quarter of 1997 started with above average precipitation in most areas of the state. By early March, Payson had received 6.56 inches of rain, 2.56 inches above normal while Casa Grande, at the opposite extreme, had received .60 inches, down .85 inches. In general, temperatures were above normal with spells of below average temperatures. Both Coolidge and Phoenix recorded temperatures 13 degrees above normal the week of March 16th.

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 mid February and reported to be in good to excellent condition. The alfalfa hay crop was reported to be in good to excellent condition most of the quarter. Cotton planting commenced in western areas in January with central areas planting in March. The above average temperatures aided planting conditions through March.

Dry range conditions across the state were alleviated in late February with rain and snow. Cattle were reported to be in fair condition, while grazing and range and pasture conditions were poor to good.

Although April precipitation continued to bring relief to range conditions, the second quarter lacked precipitation in most areas of the state. Rains and cooler temperatures in early April halted cotton planting and hampered alfalfa harvesting, but the small grains crop continued to progress. Temperatures averaged above normal throughout the remainder of April and May whereas June recorded a mixture of temperatures. The drier weather during May and June proved very favorable to farmers, but affected grazing conditions in the southeast. 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 much awaited monsoon season arrived in late July, but

resulted in little rainfall early on in the central and western deserts. All reservoirs within the state were below normal level for this time of the year. Mid-August brought turbulent weather in the form of heavy rains, high winds and hail. In general, temperatures in July were below average with a few days slightly above average. August temperatures were generally above average, however, the temperature did drop to 10 degrees below normal mid-month at Canyon De Chelly. Temperatures generally remained above average throughout the state during September.

The small grain crop harvest was completed in July while Yuma began its cotton harvest well ahead of schedule, courtesy of the warm weather in prior months. Lygus were becoming a problem in the southwest. Cotton defoliating and harvesting continued in the western and central areas of the state, at a pace ahead of last year.

Tropical storm "Nora" swept across western Arizona with high winds, heavy rains and flooding in parts of the state in late September. Yuma recorded 3.95 inches of rain. Luckily, overall damage was less severe than expected. The majority of the cotton crop had been harvested, however, the fall vegetables and newly seeded alfalfa fields sustained rain and flood damage and required replanting. Yuma's lemon crop also sustained wind damage. The alfalfa crop received little damage, except for the cut hay that was not baled before the storm hit.

The fourth quarter brought mixed temperatures throughout the state. Temperatures dropped to nine degrees below normal at Canyon De Chelly in mid-October. November reflected dramatic fluctuations; from 6 degrees above normal at Casa Grande early in the month; to 4 degrees below normal at Kingman mid-month; to 8 degrees above normal at the Grand Canyon at month's end. December reported below average temperatures most of the month with a warming trend at the end. While October and November were relatively dry with scattered precipitation, December brought rain and snow which relieved range and grazing conditions. 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 cutting was near completion. The wet weather hindered cotton harvesting somewhat, however, both alfalfa cuttings and cotton harvest neared completion while the vegetable harvest stayed active as the year came to an end.

MEAN MONTHLY TEMPERATURE: Arizona, 1997 and long-term average 1/

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec 2/	Average
Degrees fahrenheit													
Aguila	M 47.2	49.9 50.8	61.2 54.2	62.4 61.3	77.4 70.0	77.2 79.6	84.3 86.0	M 84.2	81.2 77.6	64.5 66.7	56.1 54.9	47.4	3/ 68.2 65.0
Casa Grande	M 51.4	56.8 55.5	68.0 60.3	70.0 67.6	85.2 76.4	87.0 85.6	93.0 91.0	92.2 88.6	88.1 82.6	73.6 71.6	62.6 59.3	51.5	4/ 77.7 70.1
Chandler Heights	52.4 51.9	55.0 56.2	65.4 60.8	67.5 68.0	82.7 76.6	84.6 85.5	90.6 90.2	89.6 88.0	86.5 82.9	71.6 72.1	60.1 60.1	52.1	73.3 70.4
Douglas	46.3 44.8	48.4 48.1	58.0 52.9	59.6 59.9	72.9 67.6	77.4 76.7	80.3 78.8	79.0 76.8	78.2 72.7	63.1 63.1	54.1 52.3	45.4	65.2 61.6
Flagstaff	28.0 28.7	29.6 31.5	39.2 35.3	40.5 42.3	54.1 50.4	57.1 59.8	63.8 66.3	63.8 64.1	59.4 57.3	45.0 47.2	37.7 36.8	29.6	47.1 45.8
Gila Bend	56.7 54.1	58.0 58.4	68.6 63.2	70.7 70.6	85.8 79.1	86.1 88.1	92.6 94.4	94.1 92.5	89.5 86.6	74.3 75.2	63.7 62.9	54.7	76.3 73.3
Grand Canyon 5/	30.6	33.6	M	M	M	60.9	66.7	67.0	61.6	M	M		6/ 53.4
McNary	29.3 30.7	32.3 33.1	40.5 36.8	42.6 44.2	56.2 52.1	61.0 60.9	65.3 65.3	64.2 63.1	61.3 58.1	48.0 49.4	41.0 39.3	32.3	49.2 47.1
Parker	55.6 53.3	58.8 58.4	68.3 63.4	70.8 70.7	84.6 79.3	85.2 88.2	90.2 94.2	93.5 92.8	89.3 86.2	74.7 74.8	63.1 62.0	53.4	75.8 73.1
Payson	39.0 39.0	42.7 41.9	50.1 45.6	51.6 52.3	63.8 60.1	67.1 69.4	74.8 75.5	75.9 73.3	72.4 66.8	57.0 57.2	48.4 46.2	39.2	58.4 55.5
Phoenix	55.7 53.6	57.8 57.7	69.4 62.2	70.9 69.9	86.3 78.8	87.7 88.2	93.8 93.5	92.9 91.5	90.0 85.6	74.7 74.5	64.1 61.9	54.1	76.6 72.6
Prescott	37.6 36.2	39.6 39.1	48.8 42.7	50.4 49.3	64.7 57.6	67.2 67.2	74.3 73.1	73.6 70.4	69.1 64.5	54.4 54.7	46.2 44.0	36.6	56.9 53.0
Safford	45.0 43.7	48.8 48.1	57.7 53.5	61.4 60.9	74.6 69.4	78.3 78.8	82.5 83.0	82.1 80.7	80.5 75.0	63.9 64.3	54.3 52.4	44.2	66.8 62.8
Tucson	53.3 51.3	56.0 54.4	67.8 58.7	M 65.8	84.0 74.0	88.3 83.8	92.8 86.6	91.1 84.5	M 80.4	71.8 70.4	M 59.2	52.0	7/ 75.6 68.4
Wikieup	50.1 48.0	51.8 51.7	60.5 55.1	62.3 61.8	77.2 70.8	78.6 79.9	84.2 87.1	85.9 84.9	81.6 78.2	66.2 67.3	57.8 55.8	48.3	68.7 65.7
Willcox	45.7 42.8	47.0 46.0	55.6 50.9	58.5 57.5	70.6 65.2	74.3 74.3	79.6 79.2	78.9 76.7	76.9 71.2	61.5 60.7	M 49.8	43.0	4/ 64.9 59.8
Window Rock	M 28.5	32.4 33.2	41.8 38.5	42.6 46.3	56.9 54.6	63.9 64.6	67.1 70.0	67.1 67.7	63.1 60.3	47.5 49.8	38.7 38.8	30.2	4/ 52.1 48.5
Winslow	34.6 31.9	38.1 39.0	49.4 45.5	51.4 53.3	66.2 62.3	70.5 72.2	75.7 78.2	75.9 75.7	71.4 68.2	53.7 56.2	44.7 43.9	33.1	57.4 55.0
Yuma	58.9 56.5	59.6 60.7	70.5 64.9	72.1 71.4	86.3 79.0	85.8 87.6	92.3 93.7	95.5 92.7	89.7 86.8	74.7 76.2	65.1 64.2	56.4	77.3 74.2

1/ Top row 1997, bottom row long-term average. 2/ Not available. 3/ Average temperature for nine months. 4/ Average temperatures for 10 months. 5/ Long term average not available. 6/ Average temperatures for 6 months. 7/ Average temperature for 8 months. M - Missing. Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

TOTAL PRECIPITATION: Arizona, 1997 and long-term average 1/

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec 2/	Total
Inches													
Aguila	M 1.00	.36 .89	.00 1.14	.00 .31	.00 .19	.00 .12	.00 .91	M 1.49	.00 .93	.00 .81	.00 .78	1.01	3/ 9.58
Casa Grande	M .73	.46 .69	.04 .88	.33 .27	.31 .13	.00 .13	.36 .88	3.54 1.98	.42 .86	.26 .77	.23 .76	1.17	4/ 9.25
Chandler Heights	1.17 .83	M .90	.51 1.12	.63 .32	.00 .12	.00 .06	1.05 .76	2.64 1.20	.12 .94	.47 .77	1.10 .86	1.16	5/ 9.04
Douglas	.29 .73	.62 .52	.19 .40	.22 .21	.61 .20	.31 .47	1.07 3.41	2.52 2.98	1.33 1.77	1.56 1.09	1.19 .60	1.04	9.91 13.42
Flagstaff	3.21 2.04	.99 2.09	.03 2.55	.60 1.48	.08 .72	.18 .40	.21 2.78	2.83 2.75	3.68 2.03	1.15 1.61	.80 1.95	2.40	13.76 22.80
Gila Bend	.78 .61	.04 .60	.00 .61	.48 .20	.08 .14	.00 .03	.01 .67	2.01 1.24	.47 .71	.22 .45	.15 .67	.93	4/ 6.86
Grand Canyon 6/	2.61	1.20	M	M	M	1.05	1.49	2.18	4.71	M	M		7/ 13.24
McNary	3.85 2.71	3.00 2.29	.26 3.12	.95 1.29	.97 .76	.28 .72	2.20 3.70	5.24 3.72	2.07 2.58	2.45 2.33	1.19 2.34	3.02	22.46 28.58
Parker	1.52 .60	.20 .44	.00 .50	.57 .17	.00 .06	.00 .02	.15 .30	.25 .54	1.39 .50	.00 .37	.13 .45	.55	8/ 4.50
Payson	4.74 2.01	1.68 1.91	.00 2.36	1.39 1.07	.49 .55	.11 .35	.45 2.64	2.09 3.23	2.09 2.13	1.54 1.72	1.20 1.85	2.26	9/ 22.08
Phoenix	.90 .67	.55 .68	.01 .88	.24 .22	T .12	T .13	.17 .83	1.39 .96	.45 .86	.07 .65	.06 .66	1.00	5/ 7.66
Prescott	3.20 1.53	1.69 1.54	.00 1.82	1.18 .81	.27 .55	.15 .46	.32 3.20	2.80 3.43	3.95 2.00	.14 1.12	.25 1.54	1.63	9/ 19.63
Safford	1.32 .68	.57 .65	.30 .52	.03 .21	.45 .18	.88 .26	1.21 1.73	2.37 1.57	1.45 1.36	.76 1.00	.38 .56	.96	9.75 9.68
Tucson	.86 .87	.58 .70	.20 .72	M .30	.28 .18	.09 .20	.46 2.37	1.67 2.19	M 1.67	.21 1.06	M .67	1.07	5/ 12.00
Wikieup	1.90 1.14	.86 1.15	.00 1.14	.28 .45	.00 .18	.00 .11	.54 .91	.69 1.53	3.14 1.06	.00 .66	.25 .95	1.06	8/ 10.34
Willcox	1.40 .94	.87 .72	.08 .57	.04 .26	1.48 .22	.14 .30	1.79 2.67	2.80 2.71	.80 1.47	.71 1.16	M .61	1.29	9/ 12.92
Window Rock	M .66	.22 .71	.01 .92	1.16 .61	.83 .37	2.04 .41	2.38 1.89	2.30 2.14	1.72 1.39	1.01 1.26	.51 1.01	.91	9/ 12.28
Winslow	1.02 .45	.28 .52	.00 .55	.37 .26	.59 .31	.24 .31	.21 1.20	1.26 1.39	.84 .91	.20 .91	.29 .57	.66	9/ 8.04
Yuma	.45 .35	.01 .22	.00 .21	.08 .14	.00 .04	.03 .02	1.04 .26	.00 .64	1.80 .31	.00 .29	.00 .24	.45	7/ 3.17

1/ Top row 1997, bottom row long-term average. 2/ Not available. 3/ Total precipitation for 1 month. 4/ Total precipitation for 9 months. 5/ Total precipitation for 8 months. 6/ Long-term average not available. 7/ Total precipitation for 6 months. 8/ Total precipitation for 7 months. 9/ Total precipitation for 10 months. M - Missing. T - Trace. Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

FREEZE DATES: Last 32° temperatures in spring and first in fall, Arizona 1993-97

District and Station	1993		1994		1995		1996		1997 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
DISTRICT 2										
Flagstaff	June 9	Sept. 14	June 5	Sept. 15	June 21	Sept. 30	June 1	Sept. 20		
Grand Canyon	June 9	Sept. 14	May 22	Sept. 14	June 19	Oct. 1	May 31	Sept. 18		
McNary	June 8	Oct. 19	May 26	Oct. 6	June 18	Oct. 5	May 28	Oct. 21		
Prescott	May 9	Oct. 21	Apr. 29	Oct. 16	May 7	Oct. 5	Apr. 19	Oct. 21		
Window Rock	June 7	Sept. 25	May 25	Oct. 6	May 8	Oct. 1	May 27	Sept. 19		
Winslow	May 9	Oct. 21	Apr. 29	Oct. 17	May 8	Oct. 5	Apr. 30	Oct. 18		
DISTRICT 5										
Agua	Feb. 22	Nov. 25	Mar. 27	Nov. 12	Mar. 29	Oct. 25	Feb. 29	Oct. 22		
Buckeye	Jan. 4	Nov. 26	Mar. 8	Nov. 20	Jan. 19	Dec. 21	Jan. 25	M		
Casa Grande	Jan. 12	Nov. 26	Feb. 6	Nov. 22	Jan. 19	Dec. 23	Jan. 25	M		
Chandler Heights	Jan. 4	Nov. 27	Feb. 24	Nov. 20	Jan. 19	Dec. 23	Feb. 27	Dec. 2		
Coolidge	Feb. 4	Nov. 14	Feb. 28	Nov. 18	Mar. 27	Nov. 28	M	M		
Gila Bend	1/	Dec. 22	Feb. 3	Nov. 20	1/	Dec. 21	Jan. 26	Dec. 4		
Phoenix	1/	1/	1/	1/	1/	1/	1/	1/		
DISTRICT 7										
Parker	Jan. 4	Dec. 23	1/	1/	1/	1/	Jan. 23	Dec. 20		
Wikieup	Mar. 4	Nov. 7	Feb. 1	Nov. 5	Mar. 27	Dec. 16	Mar. 31	Oct. 23		
Yuma	1/	1/	1/	1/	1/	1/	Jan. 24	1/		
DISTRICT 9										
Douglas	Apr. 15	Oct. 31	Apr. 6	Nov. 4	Apr. 20	Nov. 19	Apr. 7	Oct. 22		
Payson	June 7	Oct. 28	May 21	Oct. 17	May 9	Oct. 6	Apr. 21	Oct. 22		
Safford	Apr. 8	Oct. 31	Mar. 28	Nov. 5	Apr. 20	Nov. 23	Mar. 30	Oct. 22		
Tucson	Jan. 4	Nov. 26	Feb. 1	Nov. 20	Mar. 26	Dec. 23	Mar. 2	Dec. 1		
Willcox	Apr. 15	Oct. 31	Apr. 28	Oct. 17	Apr. 23	Oct. 25	Apr. 20	Oct. 22		

1/ No low temperature of 32° or less. 2/ Not available. M - Missing. Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data.

RESERVOIR STORAGE: Arizona, April 1, 1994-98

Basin or stream	Reservoir	Usable Capacity	Usable storage				
			1994	1995	1996	1997	1998
Thousand acre feet							
GILA RIVER DRAINAGE							
Agua Fria	Lake Pleasant	1,100.0	807.1	738.3	620.2	573.6	714.2
Gila	San Carlos	935.0	502.0	866.5	467.5	209.2	223.5
Gila	Painted Rock Dam	2,492.0	.0	.0	.0	.0	.0
Salt	Roosevelt, Apache Canyon, and Saguaro	1,710.0	1,302.3	1,580.8	1,156.1	975.4	993.3
Verde	Bartlett and Horseshoe	310.0	241.2	236.5	108.8	143.5	285.8
COLORADO RIVER DRAINAGE							
Colorado	Lake Havasu	619.0	581.3	598.4	527.0	549.7	542.0
Colorado	Lake Mohave	1,810.0	1,667.0	1,695.7	1,632.5	1,726.8	1,656.0
Colorado	Lake Mead	26,159.0	21,291.0	20,536.0	22,031.0	22,786.0	25,046.0
Colorado	Lake Powell	24,322.0	17,785.0	16,580.0	20,220.0	18,918.0	20,273.0
Little Colorado	Lyman Lake	30.0	22.5	21.8	16.7	6.3	3.1
Show Low Creek	Show Low Lake	5.1	6.2	5.1	2.5	4.4	5.1

SUMMARY

Snow surveys conducted during the last week of March and data from the SNOTEL network indicate that snowpack conditions across Northern Arizona are well above average for this time of year. Additionally, streamflow forecasts call for above normal runoff through May.

SNOWPACK

Snow surveys show the snowpack in the Salt River Basin to have a snow water content measured at 132 percent of average, while in the Verde River Basin, water content of the snowpack was measured at 214 percent of average. In the Little Colorado River Basin, water content of the snowpack was measured at 164 percent of average, while in the headwaters of the San Francisco-Upper Gila River Basin, snow water content of the snowpack was measured at 126 percent of average. Along the central Mogollon Rim, the snowpack was measured at 167 percent of average. At the Grand Canyon, snow survey measurements show the snowpack to have a water content at 132 percent of average, while in the Chuska Mountains, the water content of the snowpack was measured at 172 percent of average. At the San Francisco Peaks, the snowpack was measured at 129 percent of average.

PRECIPITATION

High elevation SNOTEL climate stations reported March precipitation totals to range from a high of 7.60 inches at Baker Butte, located near Strawberry, Arizona and at Mormon Mountain, located near Flagstaff, Arizona, to 5.10 inches at White Horse Lake Junction, located near Williams, Arizona, and 4.70 inches near Hannagan Meadows, Arizona.

RESERVOIRS

Reservoir storage along the Salt and Verde Rivers, with a combined storage of 1,279,100 acre feet, is 114 percent of a year earlier and 83 percent of the 1961-90 average. Along the Gila River, the San Carlos reservoir, with 223,500 acre feet of water in storage, is 107 percent of last year and 54 percent of average. On the Colorado River, Lakes Havasu, Mohave, Mead and Powell, with combined storage of 47,517,000 acre feet, were 108 percent

of last year and 125 percent of average. In northern Arizona, Lyman Lake was at 10 percent of capacity with 3,100 acre feet while Show Low Lake was at 100 percent of capacity with 5,100 acre feet in storage.

STREAMFLOW

The 50 percent exceedance probability forecast is the best estimated of spring and early summer streamflow volume that can be produced given current conditions and based upon the outcomes of similar situations in the past. Forecast uncertainty should be taken into consideration when making operational decisions, by selecting exceedance probabilities corresponding to the level of risk than can be accepted. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. Streamflow is expected to be above average this year as a result of good snowpack conditions and anticipated above normal precipitation from the current warm El Nino/Southern Oscillation (ENSO) conditions. Well above median streamflow levels are forecast for the basin. In the Salt River, near Roosevelt, the forecast calls for 188 percent of median streamflow, through May, while in Tonto Creek, the forecast calls for 391 percent of the median streamflow, through May. Well above median streamflow levels are forecast for the Verde River Basin. At Horseshoe Dam, The Verde River is predicted to flow at 271 percent of median, through May. Well above median streamflow levels are also forecast for the San Francisco-Upper Gila River Basin. In the San Francisco River, at Clifton, streamflow is predicted to be 211 percent of median, through May. In the Gila River, near Solomon, streamflow is predicted to be 212 percent of median. At San Carlos Reservoir, inflow into the lake is predicted to be 305 percent of median, through May. Streamflow levels for the Little Colorado River Basin will also be well above median streamflow levels. At Lyman Lake, the Little Colorado River is predicted to flow 255 percent of median, though June, while at Woodruff, the forecast calls for 350 percent of median streamflow. Below average inflow levels are predicted for the Colorado River, at Lake Powell, while at Littlefield, the Virgin River is predicted to Flow 119 percent of average, through July.

FARM LABOR

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

Self-employed workers are defined as the operator and others who work on the farm without pay, but share in the returns from the farm, a concept that was adopted in 1982 to provide data users with an agricultural series analogous to other industrial series. With the adoption of the self-employed category, all active partners working on the farm are counted as self-employed, whereas prior to 1982 only one was counted as the operator and the others were listed in the unpaid family

category. Self-employed workers are counted if they work at least 1 hour during the survey week. Unpaid workers must work at least 15 hours or more to be counted.

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

FARM LABOR: Mountain III Region, by survey week, January 1993-April 1998 1/

Survey week and year	Number of workers							Hours worked per worker					
	Hired			Other			Total all farm workers	Self- employed	Unpaid	Hired			
	150 days or more	149 days or less	Total	Self- employed	Unpaid	Total							
Thousands											Hours		
<u>1993</u>													
January 10-16	12	1	13	9	23	32	45	27.3	31.5	42.6			
April 11-17	19	3	22	11	23	34	56	37.5	33.0	47.4			
July 11-17	16	3	19	11	24	35	54	40.7	28.9	51.0			
October 10-16	13	3	16	11	25	36	52	38.1	29.1	46.1			
<u>1994</u>													
January 9-15	15	3	18	10	24	34	52	31.7	23.2	45.1			
April 10-16	16	2	18	11	23	34	52	34.7	28.1	50.6			
July 10-16	18	3	21	14	25	39	60	38.1	30.4	46.6			
October 9-15	16	2	18	16	25	41	59	28.1	26.7	47.3			
<u>1995</u>													
January 8-14	14	2	16	15	25	40	56	28.6	20.9	44.8			
April 9-15	16	3	19	14	24	38	57	31.1	27.6	43.1			
July 9-15	16	4	20	16	25	41	61	36.3	33.5	49.4			
October 8-14	17	4	21	17	24	41	62	34.7	30.5	46.9			
<u>1996</u>													
January 7-13	14	4	18	16	24	40	40	33.0	26.3	44.3			
April 7-13	16	3	19	13	23	36	55	35.1	32.1	49.2			
July 7-13 2/	17	3	20							50.9			
October 6-12 2/	17	2	19							45.1			
<u>1997</u>													
January 12-18	13	2	15							42.6			
April 6-12	14	2	16							43.2			
July 6-12	17	8	25							41.2			
October 12-18	16	4	20							41.5			
<u>1998</u>													
January 11-17	15	2	17							42.0			
April 12-18	15	4	19							42.5			

1/ Mountain III region includes Arizona and New Mexico. Excludes agricultural service workers. 2/ Only hired workers estimates established starting July 1996.

1997 ARIZONA AGRICULTURAL STATISTICS

FARM WAGE RATES: Mountain III Region, by survey week, January 1993-April 1998 1/

Survey week and year	All hired workers	Type of worker					Method of pay 2/		
		Field	Livestock	Combined field and livestock	Supervisory 2/	Other 2/	Hourly	Piece rate	Other
Dollars per hour									
1993									
January 10-16	6.37	5.32	6.48	5.73	10.15	7.95	5.77	3/	7.60
April 11-17	5.79	5.20	3/	5.43	7.45	3/	5.24	3/	3/
July 11-17	5.93	5.41	5.75	5.52	3/	3/	5.43	3/	3/
October 10-16	6.04	5.20	6.01	5.48	3/	3/	5.32	3/	3/
1994									
January 9-15	6.38	5.79	6.08	5.88	9.49	9.93	5.66	7.35	7.32
April 10-16	6.35	5.60	6.09	5.81	9.49	3/	5.89	3/	6.93
July 10-16	6.15	5.43	6.68	5.80	3/	3/	5.74	5.93	3/
October 9-15	6.19	5.41	6.04	5.70	8.42	8.29	5.86	3/	6.94
1995									
January 8-14	7.01	6.58	5.51	6.20	3/	3/	6.31	3/	3/
April 9-15	6.42	5.71	6.53	5.98	10.13	3/	5.94	3/	7.19
July 9-15	6.24	5.54	6.31	5.71	3/	3/	5.65	3/	8.01
October 8-14	6.08	5.61	5.96	5.72	3/	3/	5.52	3/	3/
1996									
January 7-13	6.43	5.42	5.90	5.57	10.62	8.52	5.81	3/	7.59
April 7-13	6.34	5.67	6.03	5.74	11.39	9.98	5.97	5.59	7.51
July 7-13 3/	6.39	5.80	5.99	5.87					
October 6-12	6.53	5.94	6.37	6.11					
1997									
January 12-18	6.36	5.82	5.90	5.84					
April 6-12	6.24	5.78	5.90	5.81					
July 6-12	6.99	6.30	6.21	6.29					
October 12-18	6.85	6.17	6.66	6.25					
1998									
January 11-17	7.34	6.63	6.61	6.63					
April 12-18	7.02	6.32	6.52	6.36					

1/ Mountain III region includes Arizona and New Mexico. Excludes agricultural service workers. 2/ Method of pay, supervisory, and other type of worker estimates discontinued July 1996. 3/ Insufficient data.

FARM LABOR AND WAGE RATES: Arizona, by survey week January 1993-April 1996 1/

FARM LABOR AND WAGE RATES, ARIZONA, by survey week Sunday 1990 April 1990 1/

Survey week and year	All farm workers	Hired workers					
		Number of workers	Hours worked	Wage rates 2/			
				All hired workers	Field workers	Field and livestock workers	All hourly workers
Thousands		Hours	Dollars per hour				
1993							
January 10-16	21	7	42.0	6.38	5.10	5.37	5.30
April 11-17	29	13	49.0	5.88	5.50	5.54	5.25
July 11-17	25	11	52.0	5.88	5.30	5.40	5.30
October 10-16	25	11	43.0	6.18	5.30	5.43	5.40
1994							
January 9-15	26	13	44.0	6.39	5.89	5.83	5.60
April 10-16	25	11	50.0	6.50	5.65	5.81	5.92
July 10-16	30	14	46.0	6.12	5.50	5.72	5.54
October 9-15	30	13	49.0	6.28	5.40	5.76	5.90
1995							
January 8-14	26	11	47.0	7.40	6.80	6.31	6.50
April 9-15	27	13	42.0	6.41	5.75	5.86	6.00
July 9-15	31	14	50.0	6.30	5.55	5.67	5.60
October 8-14	31	14	49.0	6.10	5.55	5.62	5.40
1996 3/							
January 7-13	30	13	43.0	6.70	5.55	5.73	5.80
April 7-13	27	14	50.0	6.50	5.65	5.79	6.00

1/ Arizona data not reported separately prior to 1992. Excludes agricultural service workers. 2/ Livestock, Supervisory and Other published at regional and U.S. level only. 3/ State level data discontinued July 1996.

LAND OWNERSHIP AND ADMINISTRATION: Acres and percent of total, Arizona, by counties, 1997 1/

County	Forest Service	Bureau of Land Management	State of Arizona	Indian Reser- vations	Individual or cor- porate 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, 1997; Bureau of Land Management, September 1997; State of Arizona, June 1997, and Bureau of Indian Affairs, December 31, 1994. 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.

1997 ARIZONA AGRICULTURAL STATISTICS**AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1995**

County	Parcels	Acres	Reported Value 1/
	Number		1,000 dol.
Cochise	10	9,293	1,911
Coconino	2	45,967	170
Gila	24	5,928	954
Graham	12	2,589	2,033
Maricopa	95	95,720	221,763
Navajo	1	640	3
Pima	13	101,337	27,818
Pinal	25	48,008	34,057
Santa Cruz	7	6,757	5,082
Yavapai	4	21,119	2,398
Yuma	14	1,295	3,166
Total	207	338,653	299,355

1/ Reported value is purchased price or nonpurchase price (estimated value) at time of acquisition.

AGRICULTURAL LANDHOLDINGS BY COUNTRY OF FOREIGN OWNERS: Arizona, by county, December 31, 1995

County	Canada	Netherlands Antilles	Germany	Switzerland	United Kingdom	All others
	Acres					
Cochise	5,612	0	1,970	0	0	1,711
Coconino	320	0	0	0	0	45,647
Gila	5,928	0	0	0	0	0
Graham	87	0	0	0	0	2,502
Maricopa	5,603	12	1,030	68,465	382	20,228
Navajo	640	0	0	0	0	0
Pima	300	4,700	0	0	0	96,337
Pinal	3,364	0	620	300	0	43,724
Santa Cruz	560	0	6,197	0	0	0
Yavapai	113	0	0	19,899	0	1,107
Yuma	165	0	0	240	0	890
Total	22,692	4,712	9,817	88,904	382	212,146

USE OF AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1995

County	Cropland	Pasture	Forest	Other agriculture	Other Non-agriculture	Total
	Acres					
Cochise	873	7,851	0	117	452	9,293
Coconino	0	320	0	45,647	0	45,967
Gila	0	5,915	13	0	0	5,928
Graham	1,394	1,022	0	18	155	2,589
Maricopa	58,617	8,568	0	3,460	25,075	95,720
Navajo	0	640	0	0	0	640
Pima	764	100,180	0	43	350	101,337
Pinal	11,001	25,251	441	5,616	5,699	48,008
Santa Cruz	0	6,757	0	0	0	6,757
Yavapai	720	20,399	0	0	0	21,119
Yuma	1,128	0	0	128	39	1,295
Total	74,497	176,903	454	55,029	31,770	338,653

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1995; County Level Data.

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: Arizona's equivalent share of value, by commodity group, fiscal years 1992/93-1996/97 1/

COMMODITY GROUP	1992/93	1993/94	1994/95	1995/96	1996/97 3/
Wheat and products	13.1	21.3	26.9	29.8	
Cotton, including linters	84.2	124.0	160.8	150.4	
Cottonseed and products	5.2	6.3	6.5	5.1	
Fruits and preparations	46.4	53.4	52.8	53.4	
Vegetables and preparations	49.5	45.7	71.7	64.4	
Live animals and meat (excludes poultry)	33.8	38.7	46.0	51.1	
Hides and skins	12.0	14.7	17.8	17.8	
Fats, oils, and greases	4.6	4.7	8.2	7.1	
Dairy products	10.6	10.9	10.8	10.9	
Feeds and fodders	6.1	7.4	7.9	10.7	
Seeds	12.1	13.4	16.1	18.2	
Other 2/	5.4	6.5	7.4	6.7	
ARIZONA	283.1	347.0	432.9	425.6	
UNITED STATES	42,869.9	43,949.9	54,715.7	59,877.6	

1/ Fiscal years October 1-September 30. 2/ Confectionery, nursery and greenhouse, essential oils, beverages, and other miscellaneous animal and vegetable products. 3/ Data will be available in July 1998. Source: United States Department of Agriculture, Economic Research Service; Foreign Agriculture Trade of the United States.

1997 ARIZONA AGRICULTURAL STATISTICS

COTTON SUPPLY AND USE: World, United States, major exporters and importers; marketing years 1995/96-1997/98 1/

Region	Supply			Use		Loss 2/	Ending stocks
	Beginning stocks	Production	Imports 3/	Domestic	Exports 3/		
Million 480-pound bales							
1995/96							
World	28.98	92.17	27.32	85.44	27.36	.24	35.42
United States	2.65	17.90	.41	10.65	7.68	.03	2.61
Total Foreign	26.33	74.27	26.91	74.80	19.68	.22	32.81
Major exporters 4/	8.97	41.47	1.08	27.00	14.62	.07	9.82
Major importers 5/	15.55	26.01	20.80	39.67	1.88	.11	20.71
1996/97							
World	33.81	89.18	28.75	88.63	26.49	.36	36.26
United States	2.61	18.94	.40	11.13	6.87	-.01	3.97
Total Foreign	31.20	70.24	28.35	77.50	19.63	.37	32.29
Major exporters 4/	10.18	39.33	.57	24.09	16.05	.07	9.88
Major importers 5/	19.21	27.16	22.49	45.79	2.12	.29	20.65
1997/98 (Estimated)							
World	36.26	88.63	27.02	88.55	26.12	.29	36.95
United States	3.97	18.79	.01	11.50	7.50	-.03	3.80
Total Foreign	32.29	69.83	27.02	77.05	18.62	.32	33.15
Major exporters 6/	9.88	38.58	1.58	23.93	15.43	.08	10.60
Major importers 7/	20.65	27.95	19.71	45.33	2.04	.24	20.70

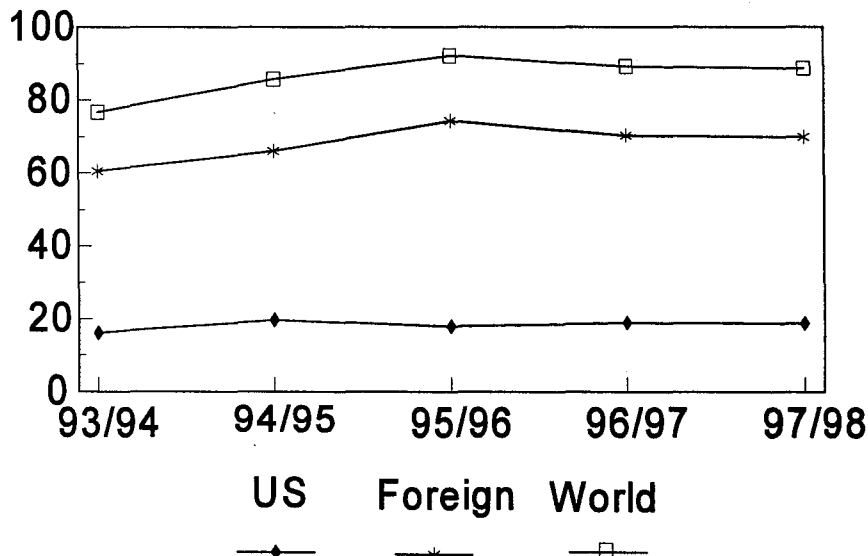
1/ Marketing year beginning August 1. Totals may not add exactly and trade may not balance due to rounding and other factors. 2/ For foreign countries, reflects cotton lost or destroyed in the marketing channel; for the United States, reflects the difference between implicit stocks based on supply less total use and ending stocks based on Bureau of Census data. 3/ World trade includes estimated trade among the 12 countries of the former USSR and three Baltic states of 1.84 million bales in 1995/96 and 1.60 million in 1996/97. 4/ Includes Argentina, Australia, Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Egypt, India, Mali, Niger, Pakistan, Paraguay, Senegal, Sudan, Tanzania, Togo, Turkey, Turkmenistan, Uzbekistan and Zimbabwe. 5/ Includes Brazil, China, Europe, Indonesia, South Korea, Russia, Hong Kong, Japan, Taiwan and Thailand. 6/ Includes Argentina, Australia, Azerbaijan, Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Egypt, India, Kazakhstan, Kyrgyzstan, Mali, Niger, Pakistan, Paraguay, Senegal, South Africa, Syria, Tajikistan, Tanzania, Togo, Turkmenistan, Uzbekistan and Zimbabwe. 7/ Includes Brazil, China, Europe, Indonesia, South Korea, Russia, Hong Kong, Japan, Taiwan, Thailand, Turkey and Mexico.

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

WORLD COTTON SUPPLY

1993/94 - 1997/98

Million 480 lb bales



ALL COTTON: Domestic mill consumption, stocks, and exports, United States 1992/93-1997/98

Season beginning August 1	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Season totals 1/
1,000 bales													
Mill consumption 2/													
1992/93	776	950*	799	756	792*	788	796	976*	778	792	951*	694	9,846
1993/94	801	965*	792	731	790*	743	785	999*	806	830	1,032*	744	10,019
1994/95	870	1,070*	873	838	897*	858	878	1,097*	847	842	999*	681	10,750
1995/96	829	1,020*	798	761	801	752	795	1,039*	818	832	1,040*	731	10,216
1996/97	864	1,049*	846	833	879	827	836	1,035*	851	857	1,044*	781	10,702
1997/98 3/	868	1,100*	872	855	951	848	861	1,068*	830				
Mill consumption per day 2/													
1992/93	38.8	38.0	39.9	37.8	31.7	39.4	39.8	39.0	38.9	39.6	38.0	34.7	38.0
1993/94	40.1	38.6	39.6	36.6	31.6	37.2	39.3	40.0	40.3	41.5	41.3	37.2	38.5
1994/95	43.5	42.8	43.7	41.9	35.9	42.5	42.1	42.3	41.1	40.2	39.2	37.2	41.3
1995/96	38.8	39.4	37.6	38.1	37.9	37.5	38.1	39.5	39.4	39.6	40.5	39.8	38.9
1996/97	40.9	41.0	40.9	41.9	41.4	41.7	40.8	39.8	41.7	41.4	41.3	42.9	4/
1997/98 3/	41.1	42.7	42.4	42.8	44.3	42.6	42.2	41.5	40.5				
Stocks in consuming establishments 4/													
1992/93	636	555	515	519	599	626	639	682	698	701	692	694	--
1993/94	629	633	579	575	620	653	661	683	682	663	653	651	--
1994/95	641	587	578	585	652	640	666	708	767	757	731	713	--
1995/96	615	532	523	527	552	618	629	621	640	638	609	610	--
1996/97	581	532	573	558	558	636	661	671	675	677	686	668	--
1997/98 3/	662	611	570	569	569	613	661	678	708				
Stocks in public storage 4/													
1992/93	2,227	2,395	6,535	10,015	11,252	10,114	9,108	7,725	6,575	5,570	4,466	3,587	--
1993/94	3,036	3,147	7,204	11,046	11,888	10,836	9,450	8,036	6,639	5,211	3,624	2,483	--
1994/95	1,738	2,011	6,492	11,064	11,846	10,140	8,020	6,024	4,715	3,489	2,491	1,745	--
1995/96	1,212	1,931	5,680	9,126	9,760	8,323	6,689	5,396	4,373	3,399	2,583	1,884	--
1996/97	1,364	2,054	6,620	10,054	11,272	10,457	9,093	7,600	6,199	4,957	3,878	3,168	--
1997/98 3/	2,427	2,034	6,507	10,738	11,960	10,974	9,484	7,899	6,601				
Exports 4/													
1992/93	252	263	277	342	528	501	502	533	639	401	317	395	4,950
1993/94	246	299	317	385	557	522	598	841	623	727	855	614	6,584
1994/95	430	523	238	503	952	991	1,307	1,565	1,010	741	604	305	9,169
1995/96	251	222	267	820	789	1,578	1,093	869	598	306	314	219	7,326
1996/97	257	171	277	573	899	666	728	848	711	531	604	501	6,865
1997/98 5/													

* Five week month. 1/ Season totals are adjusted data as reported in Supply and Distribution of Domestic and Foreign Cotton in the United States by Bureau of the Census. 2/ Consumption figures relate to four-week months except as noted. Daily consumption rates calculated on the basis of 20 days for four-week months and 25 days for five-week months with no allowance for holidays. 3/ Preliminary. 4/ These data refer to a particular day near the end of the month. 5/ Not available. Source: United States Department of Agriculture, Foreign Agricultural Service and Bureau of Census.

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	United States	Arizona's Rank
GENERAL													
Number of farms and ranches June 1996	Number	TX 205,000	MO 102,000	IA 98,000	KY 88,000	MN 87,000	CA 84,000	TN 80,000	WI 79,000	IL 76,000	OH 73,000	2,058,910	39
Land in farms and ranches June 1996	1,000 acres	TX 129,000	MT 59,600	KS 47,800	NE 47,000	NM 43,500	SD 44,000	ND 40,200	AZ 35,400	WY 34,600	OK 34,000	968,338	8
Cash receipts from farm marketings 1995	Mil. dols.	CA 22,367	TX 13,513	IA 12,749	NE 9,389	IL 8,787	MI 8,700	KS 7,860	NC 7,687	FL 6,222	WI 6,026	198,392	32
FIELD CROPS													
Pima cotton production	1,000 bales	CA 380	AZ 73	TX 60	NM 20							533	2
Upland cotton production	1,000 bales	TX 4,350	CA 2,400	GA 2,100	MS 1,850	AR 1,600	LA 1,300	NC 990	AL 810	AZ 770	TN 674	18,418	9
Cottonseed production	1,000 tons	TX 1,833	CA 1,020	MS 738	GA 720	AR 646	LA 475	NC 351	AZ 322	AL 290	TN 268	7,271	8
Durum wheat production	1,000 tons	ND 2,381	AZ 443	CA 414	MT 203	SD 22	MN 13					3,068	2
Winter wheat production	1,000 tons	KS 7,656	WA 4,935	OK 2,793	TX 2,262	NE 2,205	CO 2,112	ID 2,064	AR 2,009	MT 1,901	OR 1,836	44,341	38
Corn for grain production	1,000 tons	IA 48,107	IL 41,126	NE 33,233	MN 24,325	IN 18,770	SD 10,360	KS 10,002	MO 9,943	WI 9,324	OH 8,547	260,216	35
Barley production	1,000 tons	ND 3,432	ID 1,279	MT 1,238	MN 799	WA 655	CA 317	WY 248	CO 238	OR 230	UT 197	9,524	12
Alfalfa hay production	1,000 tons	CA 6,580	SD 5,500	WI 5,250	NE 5,040	MI 4,573	IA 4,320	ID 4,200	MT 3,570	KS 3,440	MI 3,420	79,377	25
Other hay production	1,000 tons	TX 7,140	MO 5,600	KY 4,620	OK 3,680	TN 3,675	KS 3,570	SD 2,700	VA 2,530	NE 2,405	PA 2,260	70,080	46
Potatoes production	1,000 cwt	ID 139,960	WA 94,990	CO 31,890	OR 31,684	WI 31,590	ND 28,820	MN 24,600	ME 21,175	CA 15,651	MI 13,800	497,119	20
Principal field crops harvested acreage	1,000 acres	IA 24,057	IL 23,182	ND 22,237	KS 20,899	MI 19,587	NE 18,327	TX 18,079	SD 16,236	MO 12,794	IN 12,395	313,533	37
Field and misc. crops value of production	Mil. dols.	IA 7,827	IL 7,295	NE 5,171	MN 5,114	TX 4,556	KS 4,075	IN 3,587	CA 3,414	ND 3,305	MO 3,087	86,313	32
FRUITS													
Lemons production	1,000 ctns	CA 42,000	AZ 10,200									52,200	2
Oranges production	1,000 ctns	FL 406,400	CA 132,000	AZ 3,300	TX 1,880							543,580	3
Grapefruit production	1,000 ctns	FL 104,700	CA 16,200	TX 9,100	AZ 2,400							132,400	4
Tangerines production	1,000 ctns	FL 9,000	CA 5,200	AZ 2,000								16,200	3
Grapes Utilized production	1,000 tons	CA 5,000	NY 189	WA 144	PA 83	MI 65	AZ 25	OR 15	AR 9	OH 8	GA 4	5,545	6
Apples Utilized production	Mil. lbs	WA 5,500	NY 1,050	CA 900	MI 725	PA 420	VA 300	NC 200	ID 170	OR 135	WV 115	10,434	11
Fruits and nuts value of production	Mil. dols.	CA 6,327	FL 1,815	WA 1,486	OR 265	NY 203	MI 185	HI 161	WI 112	KS 112	AZ 108	11,490	10

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	United States	Arizona's Rank
VEGETABLES													
Head lettuce production	1,000 cwt	CA 47,425	AZ 16,713	CO 594	NM 456	NJ 364	WA 220	NY 80				65,852	2 16,713
Leaf lettuce production	1,000 cwt	CA 7,740	AZ 1,441	OH 101	FL 52							9,354	2 1,441
Romaine lettuce production	1,000 cwt	CA 7,670	AZ 1,776	FL 296	OH 92							9,834	2 1,776
Cauliflower production	1,000 cwt	CA 5,516	AZ 770	NY 140	MI 78	TX 56						6,560	2 770
Broccoli production	1,000 cwt	CA 13,250	AZ 978	TX 93								14,321	2 978
Spring onions production	1,000 cwt	TX 4,030	CA 2,736	GA 1,764	AZ 760							9,290	4 760
Carrots production	1,000 cwt	CA 22,680	WA 4,540	MI 2,036	TX 1,838	CO 1,435	WI 1,430	FL 840	AZ 624	NY 440	MN 421	38,365	8 624
Cantaloupe production	1,000 cwt	CA 12,980	AZ 4,071	TX 2,520	GA 1,170	IN 595	CO 340	MD 216	PA 115	OH 58	MI 54	22,119	2 4,071
Honeydews production	1,000 cwt	CA 4,060	AZ 646	TX 640								5,346	2 646
Watermelons production	1,000 cwt	TX 8,800	GA 8,100	CA 7,524	FL 7,140	AZ 2,154	IN 2,088	NC 1,450	MO 1,400	SC 1,045	OK 1,034	44,128	5 2,154
Principal vegetables harvested acres	1,000 acres	CA 1,101	WI 266	MN 208	FL 1/	WA 177	TX 145	NY 140	GA 122	OR 120	AZ 117	1,819	10 117
Principal vegetables value of production	Mil. dols.	CA 4,244	FL 1/	AZ 482	TX 287	GA 247	WA 231	MI 173	OR 166	NY 155	WI 153	8,192	3 482
LIVESTOCK													
All cattle and calves January 1, 1997	1,000 head	TX 14,100	KS 6,550	NE 6,550	OK 5,400	CA 4,550	MO 4,450	IA 3,900	SD 3,800	WI 3,700	CO 3,150	101,209	36 790
Cattle on feed January 1, 1997	1,000 head	TX 2,630	KS 2,220	NE 2,220	CO 1,130	IA 1,000	OK 400	CA 375	SD 320	MN 300	ID 270	13,216	12 233
Calf crop 1996	1,000 head	TX 5,250	MO 2,100	OK 1,950	NE 1,820	CA 1,750	SD 1,740	MT 1,540	WI 1,530	KS 1,440	KY 1,230	39,586	35 275
Cows that have calved January 1, 1997	1,000 head	TX 5,850	MO 2,250	CA 2,090	OK 2,060	NE 2,000	SD 1,770	WI 1,610	MT 1,590	KS 1,570	KY 1,310	43,561	35 320
All cattle and calves value January 1, 1997	Mil. dols.	TX 6,204	NE 3,668	KS 3,275	CA 3,139	WI 2,627	OK 2,376	SD 2,242	IA 2,223	MO 1,913	CO 1,795	53,101	33 458
All sheep and lambs January 1, 1997	1,000 head	TX 1,400	CA 960	WY 720	CO 575	SD 450	MT 432	UT 375	OR 304	ID 285	IA 285	7,937	18 125
Angora goats January 1, 1997	1,000 head	TX 1,000	NM 77	AZ 40	OK 10							4 States 1,127	3 40
Hogs and pigs December 1, 1996	1,000 head	IA 12,200	NC 9,300	MI 4,850	IL 4,400	IN 3,750	NE 3,600	MO 3,500	OH 1,500	KS 1,450	OK 1,320	56,171	28 150
All chickens (Excludes commercial broilers) December 1, 1996	1,000 birds	OH 30,800	CA 29,800	GA 27,650	PA 26,015	IN 25,448	IA 24,775	AR 22,881	TX 21,300	NC 16,671	AL 15,445	386,418	1/ 15,445
Honey production total produced	1,000 lbs	CA 27,300	FL 25,200	SD 23,280	ND 19,780	MN 11,550	MI 8,640	MT 7,020	TX 6,806	NY 5,440	WI 5,382	198,095	21 1,920
Milk production total produced	Mil. lbs	CA 25,859	WI 22,376	NY 11,529	PA 10,640	MI 9,440	TX 6,120	MI 5,430	WA 5,279	ID 4,735	OH 4,370	154,331	18 2,473
Egg production total produced	Mil. eggs	CA 6,569	OH 6,502	IN 5,666	PA 5,640	IA 5,011	GA 4,584	TX 3,986	AR 3,428	MN 3,087	NC 2,988	76,148	1/ 2,988

1/ Not published to avoid disclosure of individual operations.

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