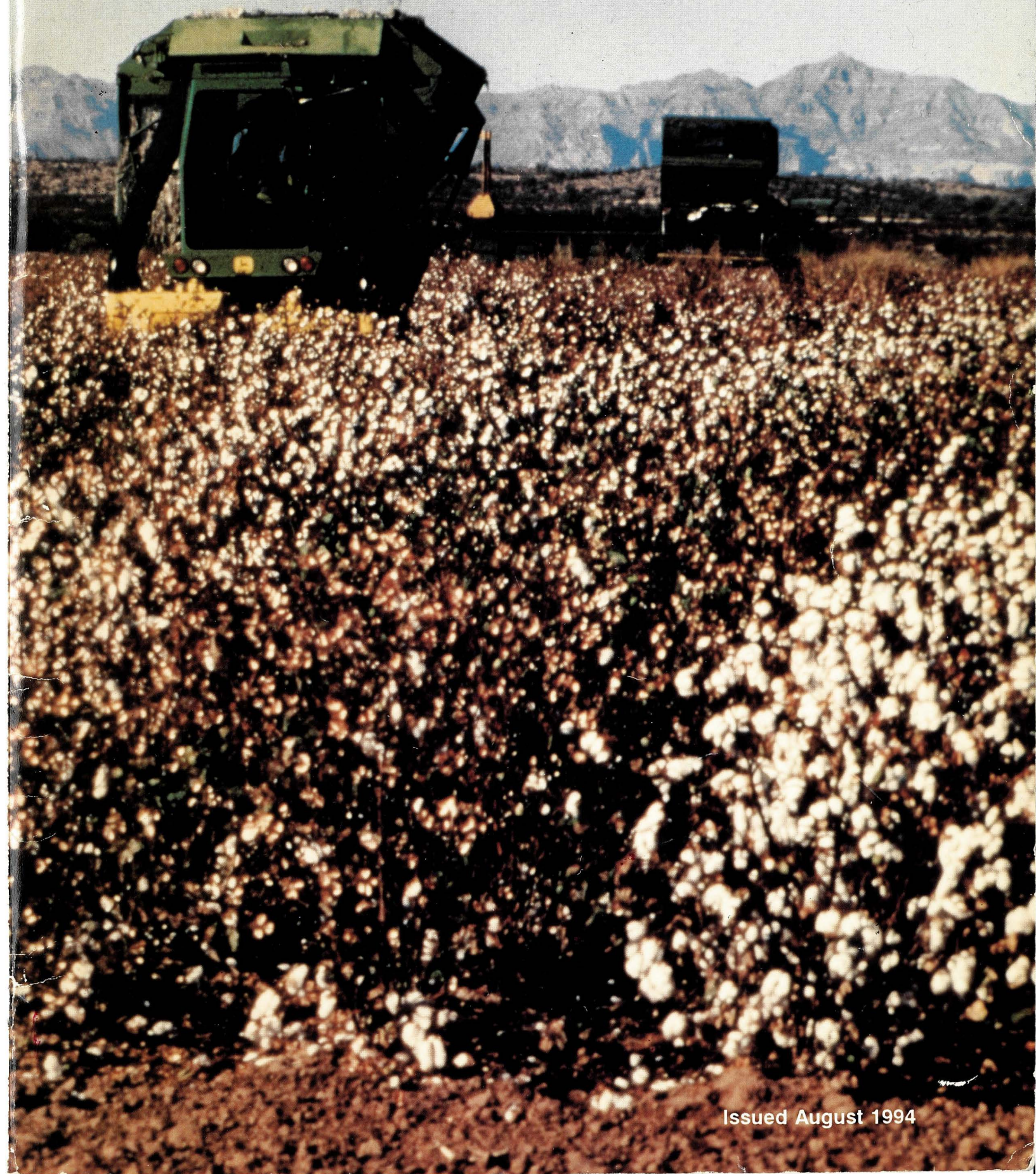


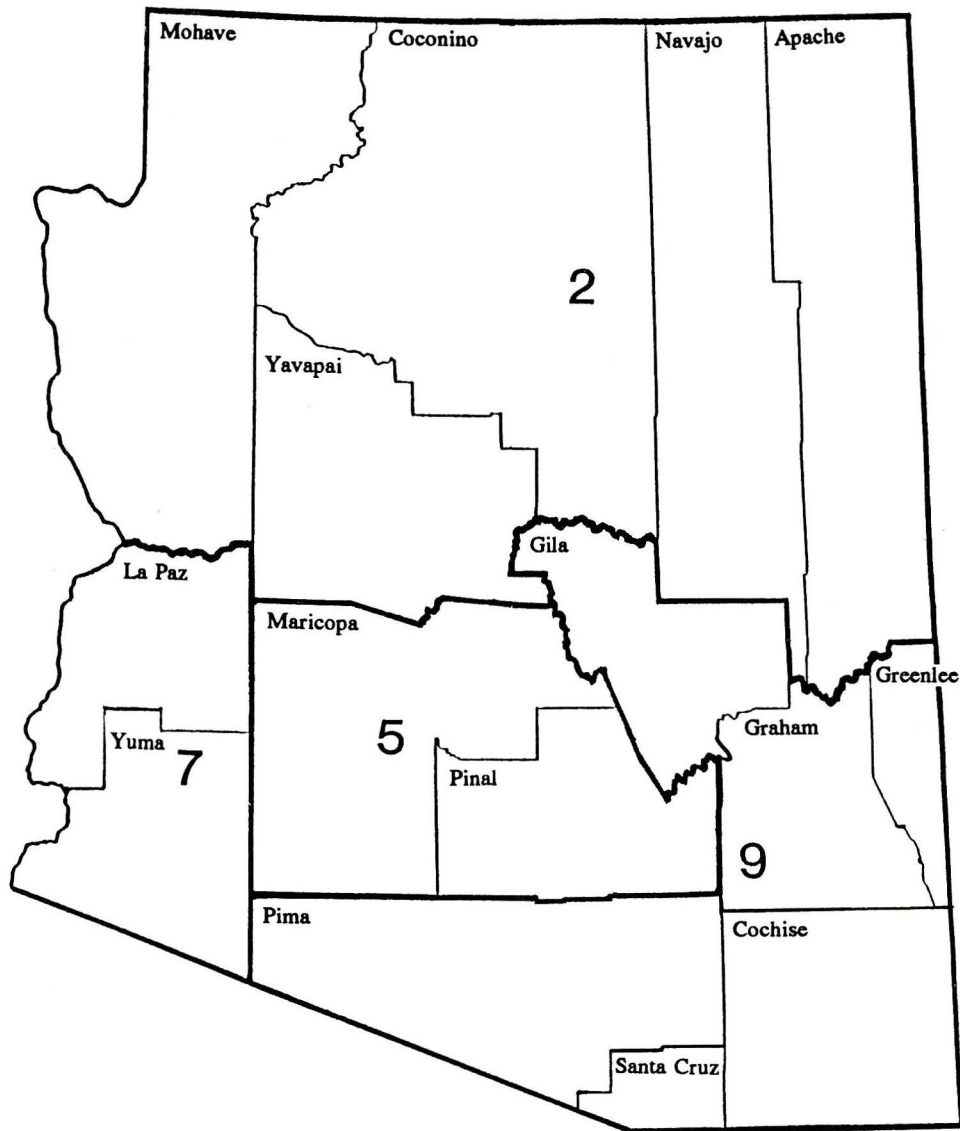
1993 ARIZONA AGRICULTURAL STATISTICS



Issued August 1994

1993 ARIZONA AGRICULTURAL STATISTICS

ARIZONA COUNTIES AND CROP REPORTING DISTRICTS





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CONTENTS

	PAGE		PAGE
INTRODUCTION		SHEEP	
STATE SUMMARY		Summary-----	76
Crop Summary - Arizona and United States-----	2	Sheep and Lambs-----	76-77
Livestock Summary - Arizona and United States-----	3	Wool-----	77
Cash Receipts from Agricultural Marketings-----	4	Sheep, Lamb, and Wool Prices-----	78
Cash Receipts - Crops and Livestock by Counties-----	5	GOATS	
Farm Income Indicators-----	6	Summary-----	78
Government Payments-----	7	Angora Goats and Mohair-----	78
Value of Home Agricultural Commodity Consumption-----	7	GRAZING FEES -----	79
Commodity Credit Corporation Loans-----	7	HOGS	
Farm Balance Sheet-----	8	Summary-----	80
Farm Real Estate Debt-----	8	Hogs and Pigs-----	80-81
Nonreal Estate Debt-----	8	MEAT PRODUCTION	
Farms and Ranches-----	9	Livestock Slaughter-----	82-83
Crop Records - Acreage, Yield and Production-----	10	HONEY	
FIELD CROPS		Production-----	83
Summary-----	11	POULTRY	
Upland Cotton-----	12-13	Summary-----	84
American-Pima Cotton-----	14-15	Chickens and Eggs-----	84
All Cotton and Cottonseed-----	16-17	WEATHER	
Durum Wheat-----	18-19	Summary-----	85
Other Wheat-----	20-21	Reservoir Storage-----	86
All Wheat-----	22-23	Freeze Dates-----	87
Barley-----	24-25	Temperatures-----	88
Corn-----	26-27	Precipitation-----	89
Alfalfa-----	28	FARM LABOR	
Other Hay-----	29	Number of Workers and Hours Worked-----	90
All Hay-----	30-31	Wage Rates-----	91
Other Field Crops-----	32	INTERNATIONAL TRADE	
Grain and Hay Stocks-----	33	Summary-----	92
Principal Crops, Acres Harvested 1992-----	110	Exports-----	92
Principal Crops, Acres Harvested 1993-----	111	Value of Foreign Trade and Trade Balance-----	93
VEGETABLES, MELONS, AND POTATOES		Cotton Supply and Use-----	93
Summary-----	34	OTHER STATISTICS	
Head Lettuce Western-----	35	Foreign Ownership of Agricultural Land-----	94
Head Lettuce Other-----	36-37	Cotton Objective Yield-----	95
Leaf Lettuce-----	38	Cotton Ginning Charges-----	96
Romaine Lettuce-----	38	Running Bales Ginned and Produced-----	96
Broccoli-----	39	Upland Cotton - Varieties Planted-----	97
Cauliflower-----	39	Domestic Cotton Mill Consumption-----	98
Dry Onions-----	40	Cotton Progress-----	99-100
Carrots-----	41	Pasture and Range Feed Conditions-----	100
Honeydews-----	41-42	Small Grains Progress-----	100-101
Watermelons-----	43	Pesticide Sales-----	102
Cantaloups-----	44-45	Commercial Fertilizers-----	103
Potatoes-----	46	Chemical Use on Cotton-----	104
Other Vegetables-----	47-49	Planting and Harvesting Dates-----	105
FRUITS AND NUTS		Commodities Rank-----	106-107
Summary-----	50	Land Ownership-----	108
Apples-----	50	STATE STATISTICAL OFFICES -----	109
Pecans-----	50		
Grapes-----	51		
Citrus-----	52-63		
Other Fruits and Nuts-----	64-65		
CATTLE			
Summary-----	66		
Cattle and Calves-----	67-68		
Cattle on Feed-----	69-71		
Cattle Prices-----	72		
DAIRY			
Summary-----	73		
Milk Cows and Milk Production-----	74		
Grain Fed-----	75		
Number of Dairy Plants-----	75		
Manufactured Dairy Products-----	75		

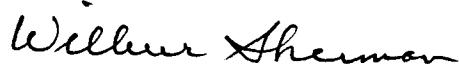
PREFACE

The twenty-ninth edition of **Arizona Agricultural Statistics** continues the joint effort of The University of Arizona's College of Agriculture and the Arizona Agricultural Statistics Service, to provide quality information about Arizona's diversified and dynamic agriculture.

Each year there are new issues to resolve in agriculture which require decision makers to focus on the numbers. This year there is debate on a new farm bill, the possible effects of last year's flooding on food and feed supplies, rising cotton prices and falling cattle prices, to name a few. Accurate, reliable statistics on agriculture continue to be in demand from all quarters, and we are pleased to have a role to play in meeting that demand.

The statistics compiled in this publication would not be possible without the voluntary cooperation and assistance of Arizona's farmers and ranchers, agribusiness firms, The University of Arizona, the Arizona Department of Agriculture and other state and federal agencies. We recognize that data collection imposes a time burden on busy farmers and ranchers, but we trust that everyone recognizes the need for timely and accurate information on this important sector of the state's economy.

Special recognition is due our field staff who serve as a vital link in the data gathering process and to the office staff for excellent work and continuing dedication in preparing this bulletin.



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1993 ARIZONA AGRICULTURAL STATISTICS

CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1991-93

Crop	Acres Harvested			Unit	Production			Value		
	1991	1992	1993		1991	1992	1993	1991	1992	1993
	1,000 acres				Thousands			1,000 dollars		
ARIZONA										
Upland cotton	359.0	323.0	315.0	Bales	898.0	725.0	800.0	260,348	184,440	227,899
American-Pima cotton	103.0	102.0	56.9	Bales	184.5	138.0	95.0	86,435	51,402	36,999
All cotton	462.0	425.0	371.9	Bales	1,082.5	863.0	895.0	346,783	235,842	264,898
Cottonseed				Tons	409.0	335.0	338.0	33,538	35,845	40,222
Alfalfa hay	170	150	150	Tons	1,309	1,095	1,110	92,285	69,533	98,790
Other hay	30	30	35	Tons	117	129	126	8,366	7,353	12,159
All hay	200	180	185	Tons	1,426	1,224	1,236	100,651	76,886	110,949
Durum wheat	39	44	50	Tons	111	112	135	13,449	14,773	17,325
Other wheat	29	44	35	Tons	91	119	99	10,170	14,375	10,693
All wheat	68	88	85	Tons	203	231	234	23,619	29,148	28,018
Barley	20	21	29	Tons	58	53	70	6,240	5,733	7,540
Corn for grain	5	11	10	Tons	24	52	45	2,380	5,143	4,800
Corn for silage	9	5	9	Tons	252	125	243	6,048	3,250	8,500
Potatoes	6.0	6.1	5.5	Cwt.	1,770	1,800	1,485	18,408	11,160	12,251
Head lettuce Western	45.0	45.9	47.5	Cwt.	14,400	13,082	13,063	133,200	128,204	188,107
Head Lettuce Other	4.0	3.4	1.9	Cwt.	1,040	646	333	16,016	6,654	4,229
Leaf lettuce	2.5	5.3	4.5	Cwt.	812	1,113	990	13,277	27,269	43,659
Romaine lettuyce	1.9	2.9	3.3	Cwt.	522	725	957	10,298	10,295	24,404
Dry onions	.9	1.2	1.3	Cwt.	441	450	631	3,797	4,418	10,342
Broccoli	6.5	7.0	8.7	Cwt.	618	700	687	15,079	14,770	21,503
Cauliflower	5.8	7.0	6.5	Cwt.	725	770	644	22,548	19,558	20,930
Carrots	1.0	1.5	1.4	Cwt.	160	233	238	1,984	3,262	2,689
Cantaloups	11.4	13.2	13.6	Cwt.	1,825	2,376	2,652	33,700	38,254	45,349
Honeydews	3.0	2.5	1.6	Cwt.	390	350	304	8,931	5,005	6,566
Watermelons	6.5	6.6	6.5	Cwt.	1,732	1,782	2,015	11,844	8,678	14,689
Grapefruit	6.2	5.9	5.9	Ctn.	4,800	5,600	4,300	16,005	17,094	5,933
Lemons	15.4	15.7	16.3	Ctn.	8,200	10,200	8,800	47,302	67,299	38,570
Oranges	9.9	10.4	10.6	Ctn.	3,500	4,760	3,700	31,747	16,227	9,233
Tangerines	3.7	5.0	4.9	Ctn.	1,200	2,400	1,900	11,367	14,936	11,745
Grapes 2/	5.0	4.5	4.3	Tons	25.0	25.0	24.0	19,686	12,488	18,066
Apples 2/	4.0	4.5	4.4	Lbs.	56,000	73,000	55,000	7,891	6,059	3,654
UNITED STATES										
Upland cotton	12,715.5	10,883.1	12,598.7	Bales	17,215.9	15,710.2	15,790.6	4,728,498	4,081,657	4,342,367
American-Pima cotton	244.0	260.2	188.9	Bales	398.4	508.3	385.0	184,746	192,278	151,311
All cotton	12,959.5	11,143.3	12,787.6	Bales	17,614.3	16,218.5	16,175.6	4,913,244	4,273,935	4,493,678
Cottonseed				Tons	6,925.5	6,230.1	6,347.2	492,261	608,438	714,776
Alfalfa hay	25,585	24,119	24,762	Tons	83,795	79,571	80,878	6,024,671	6,423,844	6,737,868
Other hay	36,890	35,478	35,636	Tons	69,530	69,292	67,976	3,981,824	4,148,994	4,171,462
All hay	62,475	59,597	60,398	Tons	153,325	148,863	148,854	10,006,495	10,572,838	10,909,330
Durum wheat	3,197	2,449	2,050	Tons	3,119	2,916	2,068	300,621	298,388	294,043
Winter wheat	39,406	41,893	43,846	Tons	41,179	48,196	53,075	4,011,527	5,216,861	5,324,790
Other Spring wheat	15,100	18,069	16,751	Tons	15,137	22,656	16,919	1,644,494	2,468,688	2,093,882
All wheat	57,703	62,411	62,647	Tons	59,434	73,768	72,062	5,956,642	7,983,937	7,712,715
Barley	8,413	7,325	6,791	Tons	11,144	10,990	9,605	996,542	953,643	814,352
Corn for grain	68,847	72,162	62,991	Tons	209,313	265,487	177,633	17,864,204	19,735,405	16,597,105
Corn for silage	6,101	6,009	6,846	Tons	80,543	86,849	82,052	1/	1/	1/
Potatoes	1,374.4	1,315.0	1,317.5	Cwt.	417,622	425,367	419,415	2,042,899	2,336,478	2,599,434
Head lettuce	222.1	215.1	207.2	Cwt.	70,778	70,810	67,814	810,186	882,240	1,086,995
Leaf lettuce	1/	38.4	40.6	Cwt.		8,235	8,370		187,153	249,848
Romaine lettuce	1/	20.0	25.5	Cwt.		5,652	6,606		99,743	134,761
Dry onions	134.0	141.7	151.0	Cwt.	50,702	54,731	56,596	582,556	629,019	785,079
Broccoli	101.0	111.4	107.2	Cwt.	11,190	12,447	10,799	242,155	284,423	279,448
Cauliflower	56.1	56.2	56.6	Cwt.	7,041	7,009	6,656	188,395	197,543	201,840
Carrots	97.5	105.2	101.7	Cwt.	27,888	33,241	32,231	309,237	362,879	300,629
Cantaloups	1/	105.4	106.3	Cwt.		17,431	18,551		242,287	282,684
Honeydews	25.9	24.2	20.7	Cwt.	3,737	4,340	3,360	68,895	58,051	57,750
Watermelons	1/	215.2	196.2	Cwt.		36,310	36,740		215,631	251,734
Grapefruit	133.2	136.6	145.6	Ctn.	111,000	110,530	137,350	395,903	431,377	294,158
Lemons	62.1	62.1	62.6	Ctn.	37,800	40,400	49,000	289,571	261,162	241,553
Oranges	612.7	640.1	685.9	Ctn.	357,900	419,220	511,320	1,584,746	1,543,796	1,334,312
Tangerines	20.0	24.1	26.5	Ctn.	7,800	12,480	11,900	74,603	103,844	82,915
Grapes 2/	735.9	745.8	759.8	Tons	5,555.3	6,032.2	6,015.6	1,735,267	1,848,612	2,007,475
Apples 2/	446.4	452.8	460.9	Lbs.	9,658,800	10,474,300	10,610,900	1,733,133	1,431,453	1,360,706

1/ Not available

2/ Utilized production.

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States 1992-94

Species and class	Inventory 1/			Value 2/		
	1992	1993	1994	1992	1993	1994
ARIZONA						
	1,000 head			1,000 dollars		
CATTLE AND CALVES 3/	900	890	870	535,500	542,900	530,700
Beef cows that have calved	279	284	259			
Milk cows that have calved	96	96	106			
Beef cow replacement heifers	46	44	41			
Milk cow replacement heifers	20	20	17			
Other heifers 500 pounds and over	15	16	19			
Steers 500 pounds and over	217	230	240			
Bulls 500 pounds and over	27	27	22			
Calves under 500 pounds	200	173	166			
Cattle on feed 4/	217	233	224			
HOGS 5/	100	106	140	8,500	9,646	12,040
Breeding hogs	12	15	17			
Market hogs	88	91	123			
Under 60 pounds	33	35	59			
60-119 pounds	25	25	24			
120-179 pounds	19	18	22			
180 pounds and over	11	13	18			
SHEEP AND LAMBS 3/	195	190	160	16,185	16,340	13,600
Stock sheep	150	135	110			
Ewes one year or older	120	115	95			
Rams and wethers one year or older	6	5	5			
Ewe lambs	15	9	7			
Wether and ram lambs	9	6	3			
Sheep and lambs on feed	45	55	50			
GOATS 3/						
Angora goats	98	88	82	3,920	3,520	2,624
CHICKENS 5/	375	410	350	713	943	805
Hens and pullets of laying age	320	395	340			
UNITED STATES						
CATTLE AND CALVES 3/	99,559	100,611	101,749	62,656,390	65,286,884	66,968,048
Beef cows that have calved	33,775	33,888	34,891			
Milk cows that have calved	9,913	9,838	9,638			
Beef cow replacement heifers	5,761	6,183	6,423			
Milk cow replacement heifers	4,202	4,224	4,203			
Other heifers 500 pounds and over	8,142	8,629	9,053			
Steers 500 pounds and over	16,755	17,079	17,186			
Bulls 500 pounds and over	2,279	2,307	2,324			
Calves under 500 pounds	18,733	18,464	18,032			
Cattle on feed 4/	11,945	12,699	12,928			
HOGS 5/	57,684	58,116	56,798	3,971,637	4,145,976	4,282,227
Breeding hogs	7,254	7,128	7,028			
Market hogs	50,430	50,988	49,770			
Under 60 pounds	18,678	19,094	18,243			
60-119 pounds	12,969	12,803	12,678			
120-179 pounds	10,382	10,419	10,236			
180 pounds and over	8,402	8,672	8,613			
SHEEP AND LAMBS 3/	10,750	10,013	9,079	658,301	702,785	638,564
Stock sheep	8,920	8,136	7,240			
Ewes one year or older	7,090	6,415	5,793			
Rams and wethers one year or older	350	329	300			
Ewe lambs	1,160	1,092	864			
Wether and ram lambs	320	299	284			
Sheep and lambs on feed	1,830	1,877	1,839			
GOATS 3/						
Angora goats	1,896	1,805	1,727	81,640	79,000	60,104
CHICKENS 5/	362,821	367,015	377,529	833,431	829,717	893,998
Hens and pullets of laying age	279,325	282,034	288,615			

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.

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, 1988-93

Commodity Group	1988	1989	1990	1991	1992	1993
1,000 dollars						
Cotton Lint	325,837	454,456	415,394	353,774	275,316	267,584
Cottonseed	44,787	38,499	42,177	28,665	28,412	33,356
Hay	117,012	110,774	114,843	107,441	69,163	92,051
Wheat	29,972	42,664	33,932	21,470	28,697	29,700
Barley	2,776	2,863	3,442	4,481	4,569	5,385
Corn	4,726	4,185	2,785	2,334	1,834	4,979
Sorghum	1,141	675	1/	1/	1/	1/
Potatoes	11,379	14,824	14,901	18,376	10,912	11,963
Lettuce	321,363	190,787	99,590	149,216	134,858	192,336
Onions	3,398	3,816	5,006	3,797	4,418	10,342
Cauliflower	19,935	21,974	15,926	22,548	19,558	20,930
Broccoli	9,697	11,124	10,977	15,079	14,770	21,503
Carrots	2,428	3,737	1,897	1,984	3,262	2,689
Honeydews	7,266	4,032	10,037	8,931	5,005	6,566
Cantaloups	21,699	15,653	26,848	33,700	38,254	45,349
Watermelons	10,695	9,287	12,151	11,844	8,678	14,689
Miscellaneous vegetables	44,218	45,661	47,305	54,165	73,251	95,415
Grapefruit	7,703	9,280	20,538	16,273	21,019	5,342
Oranges	17,234	13,476	12,409	13,660	13,921	7,547
Lemons	22,914	34,409	42,896	49,063	38,119	15,947
Tangerines	7,291	10,361	10,058	9,995	13,111	8,855
Apples	2/	2,531	4,892	7,891	6,059	3,654
Grapes	29,913	17,861	22,616	19,686	12,488	18,066
Miscellaneous fruits and nuts	15,034	13,920	27,551	26,569	30,664	28,176
All other crops 3/	92,138	96,883	97,506	100,071	83,358	93,901
TOTAL ALL CROPS	1,170,556	1,173,732	1,095,677	1,081,013	939,696	1,036,325
Cattle and calves	518,411	450,771	497,166	515,831	580,522	556,002
Hogs	23,612	19,865	19,738	20,960	19,253	22,591
Sheep and lambs	11,587	10,662	9,744	9,111	8,823	12,315
Dairy products	184,760	206,176	230,535	207,644	236,607	244,970
Eggs	3,082	4,148	3,711	3,967	3,520	3,711
Honey	1,753	1,931	1,576	1,988	2,079	2,118
Wool	1,890	1,793	977	626	728	492
Miscellaneous livestock and products	46,592	48,840	49,453	26,095	41,044	42,597
TOTAL ALL LIVESTOCK AND PRODUCTS	791,687	744,186	812,900	786,222	892,576	884,796
TOTAL ALL COMMODITIES	1,962,243	1,917,918	1,908,577	1,867,235	1,832,272	1,921,121
GOVERNMENT PAYMENTS	77,834	85,106	43,349	40,493	75,580	
TOTAL CASH RECEIPTS	2,040,077	2,003,024	1,951,926	1,907,728	1,907,852	

1/ Included in all other crops.

2/ Included in miscellaneous fruits and vegetables.

3/ Includes miscellaneous field crops, seed crops, and greenhouse/nursery.

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

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Total crops and livestock, Arizona, by counties, 1988-93

County	1988	1989	1990	1991	1992	1993
<u>1,000 dollars</u>						
Apache	33,590	31,422	35,900	34,288	42,761	33,674
Cochise	77,635	65,448	72,334	65,429	85,714	79,519
Coconino	24,434	24,006	28,008	28,325	37,425	28,819
Gila	16,083	14,435	16,589	16,850	21,735	11,576
Graham	49,148	48,614	51,273	46,905	50,680	35,740
Greenlee	5,838	6,301	7,689	8,381	10,352	5,785
La Paz	74,834	71,883	83,110	73,801	71,874	106,648
Maricopa	619,501	668,882	689,537	598,681	603,372	589,387
Mohave	17,737	20,606	21,619	19,767	20,132	18,536
Navajo	41,963	38,838	42,055	41,067	49,778	39,705
Pima	57,403	54,322	59,794	50,191	53,621	62,404
Pinal	365,044	388,738	374,438	401,143	325,899	391,207
Santa Cruz	10,734	10,107	11,431	10,747	13,163	8,532
Yavapai	30,995	35,286	43,326	39,836	52,261	37,484
Yuma	537,304	439,030	371,474	431,824	393,505	472,105
ARIZONA	1,962,243	1,917,918	1,908,577	1,867,235	1,832,272	1,921,121

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Crops, Arizona, by counties, 1988-93

County	1988	1989	1990	1991	1992	1993
<u>1,000 dollars</u>						
Apache	2,037	1,318	1,006	957	801	813
Cochise	43,902	34,694	32,762	28,892	39,129	41,783
Coconino	389	430	345	322	386	1,030
Gila	313	282	184	186	179	313
Graham	24,251	29,416	29,232	23,707	21,416	21,021
Greenlee	1,360	1,228	1,517	1,164	1,247	922
La Paz	72,699	69,918	81,642	72,302	69,727	104,498
Maricopa	371,310	406,019	404,694	357,125	322,218	317,446
Mohave	7,143	10,547	11,477	9,369	6,593	10,041
Navajo	1,326	1,678	521	495	1,408	1,760
Pima	26,846	24,046	28,986	26,507	23,146	34,605
Pinal	184,399	243,465	218,148	212,129	142,173	143,793
Santa Cruz	1,327	1,991	2,216	1,794	1,308	1,638
Yavapai	2,086	1,824	1,043	844	1,244	1,676
Yuma	431,168	346,876	281,904	345,220	308,721	354,986
ARIZONA	1,170,556	1,173,732	1,095,677	1,081,013	939,696	1,036,325

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Livestock and livestock products, Arizona, by counties, 1988-93

County	1988	1989	1990	1991	1992	1993
<u>1,000 dollars</u>						
Apache	31,553	30,104	34,894	33,331	41,960	32,861
Cochise	33,733	30,754	39,572	36,537	46,585	37,736
Coconino	24,045	23,576	27,663	28,003	37,039	27,789
Gila	15,770	14,153	16,405	16,664	21,556	11,263
Graham	24,897	19,198	22,041	23,198	29,264	14,719
Greenlee	4,478	5,073	6,172	7,217	9,105	4,863
La Paz	2,135	1,965	1,468	1,499	2,147	2,150
Maricopa	248,191	262,863	284,843	241,556	281,154	271,941
Mohave	10,594	10,059	10,142	10,398	13,539	8,495
Navajo	40,637	37,160	41,534	40,572	48,370	37,945
Pima	30,557	30,276	30,808	23,684	30,475	27,799
Pinal	180,645	145,273	156,290	189,014	183,726	247,414
Santa Cruz	9,407	8,116	9,215	8,953	11,855	6,894
Yavapai	28,909	33,462	42,283	38,992	51,017	35,808
Yuma	106,136	92,154	89,570	86,604	84,784	117,119
ARIZONA	791,687	744,186	812,900	786,222	892,576	884,796

FARM INCOME INDICATORS: Arizona, 1988-92 1/

Item	1988	1989	1990	1991	1992
Million dollars					
Gross farm income	2,098.2	2,034.2	2,052.3	2,026.9	1,951.0
Gross cash income	2,092.3	2,051.7	1,995.9	1,952.3	1,952.0
Farm Marketings	1,962.3	1,917.9	1,908.6	1,867.2	1,832.2
Crops	1,170.6	1,173.7	1,095.7	1,081.0	939.7
Livestock and products	791.7	744.2	812.9	786.2	892.5
Government payments	77.8	85.1	43.3	40.5	75.6
Farm-related income	52.1	48.7	44.0	44.6	44.3
Noncash income	39.8	36.6	35.9	36.5	37.2
Value of home consumption	4.5	4.5	4.6	4.4	4.3
Rental value of dwellings	35.2	32.1	31.3	32.1	32.8
Operator and other dwellings 2/	23.6	18.7	17.0	15.6	21.0
Hired laborer dwellings	11.7	13.4	14.3	16.5	11.9
Value of inventory adjustment	-33.8	-54.2	20.5	38.1	-38.2
Total production expenses	1,366.1	1,338.6	1,405.6	1,359.1	1,359.3
Intermediate product expenses	872.8	838.5	885.9	864.9	879.7
Farm origin	424.3	363.8	408.7	384.1	401.5
Feed purchased	206.1	177.7	166.3	146.3	151.0
Livestock and poultry purchased	197.5	163.7	219.2	211.6	225.3
Seed purchased	20.7	22.4	23.1	26.2	25.2
Manufactured inputs	181.8	193.3	193.3	193.1	190.5
Fertilizer and lime	54.9	56.5	50.0	47.2	46.0
Pesticides	48.1	53.6	52.6	56.3	56.7
Fuel and oil	39.4	39.2	47.5	45.9	40.9
Electricity	39.3	44.0	43.3	43.6	46.9
Other	266.7	281.4	283.9	287.8	287.7
Repair and maintenance	39.9	40.0	38.6	38.2	49.9
Other miscellaneous	226.8	241.4	245.4	249.5	237.8
Interest	163.3	161.8	157.6	146.8	138.3
Real estate	60.6	61.2	59.0	53.3	49.9
Nonreal estate	102.7	100.6	98.7	93.5	88.4
Contract and hired labor expenses	200.1	209.7	234.0	219.1	207.4
Net rent to nonoperator landlords	28.2	27.8	27.1	25.8	29.8
Capital consumption	77.4	75.8	74.1	76.2	76.8
Property taxes	24.3	25.0	26.9	26.3	27.4
NET FARM INCOME 3/	732.2	695.6	646.7	667.8	591.7
Gross receipts of farms	2,074.7	2,015.5	2,035.3	2,011.3	1,930.0
Farm production expenses	1,347.2	1,322.4	1,389.0	1,342.7	1,342.3
Nonfactor payments	957.8	924.6	972.4	953.1	968.6
Intermediate product expenses	867.5	835.0	882.3	861.5	876.3
Capital consumption	67.0	65.6	64.3	66.2	65.9
Property taxes	23.3	24.0	25.8	25.4	26.4
Factor payments	389.4	397.8	416.6	389.7	373.7
Interest	161.1	160.3	155.5	144.7	136.5
Contract and hired labor expenses	200.1	209.7	234.0	219.1	207.4
Net rent to nonoperator landlords	28.2	27.8	27.1	25.8	29.8
RETURNS TO OPERATORS 4/	724.3	693.1	646.3	668.6	590.8
Gross cash income	2,092.3	2,051.7	1,995.9	1,952.3	1,952.0
Cash expenses	1,270.1	1,244.6	1,311.4	1,259.9	1,266.5
Intermediate product expenses	867.5	835.0	882.3	861.5	876.3
Interest	161.1	160.3	155.5	144.7	136.5
Cash labor expenses	188.0	195.4	218.6	200.4	195.4
Net rent to nonoperator landlords	30.3	29.9	29.1	27.9	31.9
Property taxes	23.3	24.0	25.8	25.4	26.4
NET CASH INCOME	822.1	807.1	684.6	692.4	685.5
Gross cash income	2,092.3	2,051.7	1,995.9	1,952.3	1,952.0
Farm business expenses	1,337.1	1,310.2	1,375.7	1,326.1	1,332.4
Cash expenses	1,270.1	1,244.6	1,311.4	1,259.9	1,266.5
Capital consumption	67.0	65.6	64.3	66.2	65.9
NET BUSINESS INCOME	755.1	741.5	620.2	626.3	619.6

1/ 1993 data not available. 2/ Value added to gross income. Value added to net farm income equals difference in net farm income and returns to operators. 3/ Statistics in and above the Net Farm Income line represent the farm sector, defined as including farm operators' dwellings located on farms. Statistics below the Net Farm Income line represent only the farm businesses to the exclusion of the operators' dwellings. 4/ Returns to operators is equivalent to net farm income excluding the income and expenses associated with farm operators' dwellings.

GOVERNMENT PAYMENTS: By program, Arizona, 1988-92

Year	Conservation 1/	Feed grain	Wheat	Cotton	Wool act	Miscellaneous 2/	Total
<u>1,000 dollars</u>							
1988	1,782	3,983	5,401	62,806	1,850	2,012	77,834
1989	2,031	2,527	1,176	73,089	1,179	5,104	85,106
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

1/ Includes amount paid under agriculture and conservation programs.

2/ Includes Dairy Indemnity Program, Payment-In-Kind Program, Rural Clean Water Program, Clean Lakes Program, Forest Incentive Program, Water Bank Program, Emergency Livestock Feed Program, Extended Storage Program, Milk Diversion Program, and Animal and Plant Health Inspection Service Indemnity Program.

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 1988-92 1/

Year	Livestock and products	Crops	Total
<u>1,000 dollars</u>			
1988	3,935	604	4,539
1989	3,948	528	4,476
1990	4,112	532	4,644
1991	3,889	464	4,353
1992	3,892	439	4,331

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 Summary.

COMMODITY CREDIT CORPORATION LOANS: Arizona, 1988-92

Year	Net Loans 1/	Loans Liquidated 2/
<u>1,000 dollars</u>		
1988	6,092	221
1989	-9,034	665
1990	-19,023	307
1991	14,832	7
1992	30,533	298

1/ Loans made minus loans repaid.

2/ Loans acquired by Commodity Credit Corporation plus loans charged off.

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

1993 ARIZONA AGRICULTURAL STATISTICS

FARM BUSINESS BALANCE SHEET: Arizona, December 31, 1988-92

Item	1988	1989	1990	1991	1992
<u>Million dollars</u>					
TOTAL FARM ASSETS	10,329.4	9,894.1	10,697.5	11,223.3	11,315.7
Real estate	9,093.5	8,673.3	9,448.6	9,963.2	10,016.1
Livestock and poultry	533.3	518.4	551.7	560.9	570.9
Machinery and motor vehicles	407.6	432.4	423.5	443.6	445.6
Crops	46.7	43.0	39.6	25.3	29.9
Purchased inputs	42.6	31.5	30.8	25.0	37.2
Financial	205.8	195.4	203.2	205.4	216.0
TOTAL FARM DEBT	1,571.1	1,564.0	1,383.2	1,286.1	1,172.4
Real estate	653.4	646.6	578.0	552.1	505.3
Nonreal estate	917.7	917.3	805.2	734.1	667.1
EQUITY	8,758.2	8,330.1	9,314.3	9,937.1	10,143.4
<u>Percent</u>					
RATIOS					
Debt/equity	17.9	18.8	14.8	12.9	11.6
Debt/assets	15.2	15.8	12.9	11.5	10.4

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, 1988-92

Year	Farm Credit System	Farmers Home Administration	Life insurance companies	All operating banks	Individuals and others	Total debt 1/
<u>Million dollars</u>						
1988	131	66	158	159	140	653
1989	112	60	164	178	132	647
1990	105	50	195	102	125	578
1991	101	50	207	67	129	552
1992	94	46	195	37	133	505

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, 1988-92

Year	All operating banks	Farm Credit System	Farmers Home Administration	Total debt owed to reporting institutions	Debt owed to individuals and others	Total 1/	Commodity Credit Corporation crop loans
<u>Million dollars</u>							
1988	476	147	149	772	146	918	57
1989	469	164	133	766	152	917	47
1990	423	119	105	647	158	805	27
1991	374	99	101	574	161	734	41
1992	330	80	93	503	164	667	71

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 1993 decreased from 1992 to 7,900. Land in Arizona farms and ranches remains at an estimated 36 million 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 farm numbers, like those for the nation as a whole, include many farm operators who do not receive the majority of their income from agriculture.

Nationally, the number of farms is down slightly in 1993 to 2,068,240. The top six states in number of farms are: 1) Texas - 185,000 farms; 2) Missouri - 106,000; 3) Iowa - 100,000; 4) Kentucky - 91,000; 5) Minnesota - 87,000 and 6) Tennessee - 86,000. Four states showed an increase from 1992 to 1993, fifteen states remained the same and the number of farms in the remaining thirty-one states declined from 1992 to 1993.

Land in farms in the United States also decreased nominally to 978.15 million acres. The top six states in land in farms are: 1) Texas - 130.0 million acres; 2) Montana - 59.9; 3) Kansas - 47.8; 4) Nebraska - 47.1; 5) New Mexico and South Dakota - 44.2.

The average size of a farm in the United States increased five acres to 473 acres. The top five states in average farm size are: 1) Arizona - 4,557 acres; 2) Wyoming - 3,742; 3) Nevada - 3,708; 4) New Mexico - 3,274; 5) Montana - 2,445. The five states with the smallest average farm are: 1) Rhode Island - 90 acres; 2) Massachusetts - 99; 3) Connecticut - 103; 4) New Jersey - 104; 5) Tennessee - 145.

Land in farms, along with "average size" of 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 Tohono O'Odham lands that border Mexico. Native Americans were Arizona's first farmers, using highly specialized canal systems to irrigate Arizona fields centuries before Columbus' voyage.

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 to Arizona agriculture: water.

NUMBER OF FARMS AND RANCHES: Selected States, 1989-93

State	1989	1990	1991	1992	1993
Number					
ARIZONA	8,100	7,800	8,000	8,000	7,900
California	84,000	85,000	83,000	80,000	76,000
Colorado	27,000	26,500	26,000	25,500	25,500
Idaho	22,100	21,800	21,400	21,000	20,500
Montana	24,700	24,700	24,700	24,600	24,500
Nevada	2,500	2,500	2,500	2,500	2,400
New Mexico	14,000	13,500	13,500	13,500	13,500
Oregon	37,000	36,500	37,000	37,500	37,000
Texas	186,000	186,000	185,000	183,000	185,000
Utah	13,000	13,200	13,300	13,200	13,000
Washington	38,000	37,000	37,000	37,000	36,000
Wyoming	8,900	8,900	9,000	9,200	9,300
UNITED STATES	2,170,520	2,140,420	2,105,060	2,093,840	2,068,240

LAND IN FARMS AND RANCHES: Selected States, 1989-93

State	1989	1990	1991	1992	1993	Average size of farms and ranches 1993
1,000 acres						Acres
ARIZONA	36,000	36,000	36,000	36,000	36,000	4,557
California	31,300	30,800	30,300	29,800	29,700	391
Colorado	33,500	33,100	32,800	32,800	32,800	1,286
Idaho	13,700	13,700	13,500	13,500	13,500	659
Montana	60,600	60,500	60,300	60,000	59,900	2,445
Nevada	8,900	8,900	8,900	8,900	8,900	3,708
New Mexico	44,500	44,500	44,300	44,200	44,200	3,274
Oregon	17,800	17,800	17,800	17,500	17,500	473
Texas	132,000	132,000	131,000	130,000	130,000	703
Utah	11,300	11,300	11,300	11,300	11,200	862
Washington	16,000	16,000	16,000	16,000	16,000	444
Wyoming	34,800	34,800	34,800	34,800	34,800	3,742
UNITED STATES	991,153	987,420	982,766	979,963	978,153	473

1993 ARIZONA AGRICULTURAL STATISTICS

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	690.0	1953	Pounds	1,342.0	1987	Bales	1,609.7	1981
		Low	0.4	1912		212.0	1920		0.3	1912
Upland Cotton	1917	High	648.5	1953	Pounds	1,410.0	1987	Bales	1,556.0	1981
		Low	8.0	1917		228.0	1922		7.1	1917
American-Pima Cotton	1912	High	244.5	1989	Pounds	1,126.0	1987	Bales	477.0	1989
		Low	0.3	1947		180.0	1943		0.2	1947
Cottonseed	1917	High						Tons	631	1981
		Low							10	1917
All Hay	1909	High	332	1944	Tons	7.36	1988	Tons	1,438	1973
		Low	98	1909		1.97	1940		237	1909
Alfalfa Hay	1919	High	237	1944	Tons	7.90	1990	Tons	1,348	1973
		Low	82	1920		2.20	1940		238	1920
All Wheat	1909	High	431	1976	Pounds	5,960	1991	Tons	970	1976
		Low	15	1954		870	1941		9	1910
Durum Wheat	1976	High	319	1976	Pounds	5,700	1991	Tons	718	1976
		Low	39	1991		4,200	1978		111	1991
Other Wheat	1964	High	260	1975	Pounds	6,300	1991	Tons	546	1975
		Low	23	1966		2,400	1966		28	1966
Barley	1909	High	268	1954	Pounds	5,760	1991	Tons	334	1954
		Low	8	1928		1,200	1922		6	1928
Corn for Grain	1919	High	50	1978	Pounds	9,520	1992	Tons	161	1978
		Low	5	1991		520	1944		6	1924
Corn for Silage	1919	High	18	1978	Tons	28.0	1991	Tons	360	1978
		Low	2	1934		5.0	1935		10	1934
Potatoes	1899	High	12.8	1969	Cwt.	315.0	1989	Cwt.	2,944	1969
		Low	1.0	1912		18.0	1900		18	1900
All Oranges	1919/20	High						Cartons	10,520	1968/69
		Low							108	1927/28
Navel Oranges	1934/35	High						Cartons	2,300	1968/69
		Low							194	1934/35
Valencia Oranges	1934/35	High						Cartons	8,220	1968/69
		Low							146	1936/37
Grapefruit	1919/20	High						Cartons	8,200	1946/47
		Low							58	1919/20
Lemons	1958/59	High						Cartons	14,400	1974/75
		Low							680	1958/59
Tangerines	1964/65	High						Cartons	2,700	1983/84
		Low							380	1964/65
All Grapes	1909	High						Tons	31,000	1987
		Low							250	1920

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

FIELD CROPS

HIGHLIGHTS - 1993 CROP YEAR

Heavy rains during January and February flooded fields in central and western Arizona, damaging existing crops, rendering some fields unusable and delayed preparations for spring crops. However, once planted, crops made good progress. Whitefly was not the problem it was in 1992. Cotton, wheat, and alfalfa hay yields were up from the previous year while yields for barley and corn were down.

COTTON ACREAGE DROPS

Following one of the poorer crops in recent history, acreage for both upland and American-Pima were down for 1993. Flooding in the western area damaged some fields and slowed field preparations in others. The crop made good progress in a generally trouble-free growing season. Growers did a commendable job controlling whitefly and other pests. Picking was underway by the end of August and completed by mid-December. The upland average yield of 1,204 pounds was 12 percent greater than a year earlier. Upland production was up 9 percent from that of 1992 but, down 12 percent from 2 years earlier. Pima growers harvested 44 percent less acreage than in the previous year and the lowest since 1985. Yields were up 13 percent from 1992, however, with the large reduction in acreage, total bales produced was the lowest since 1984.

WHEAT CROP REBOUNDS

The State's wheat crop, while not a record setter, rebounded from the relatively poor crop of the previous year. Planting plans for any late planted fields, were disrupted by the January rains, however, acres to be planted was planted by mid-February. Harvest was underway by mid-May and was complete by the end of June. Yields were up for both durum and other wheat from the previous year. The durum crop was the largest since 1989 and all wheat production was the largest since 1990.

CORN ACREAGE CONTINUES UP

Corn acreage planted for all purposes, was up for the third consecutive year thanks in large part to its use as silage for the State's increasing dairy cow population. Silage production nearly doubled from the previous year to 243,000 tons. Corn harvested for grain totaled 10,000 acres, down 1,000 acres from that of 1992. Yields averaged 8,960 pounds (160 bushels) down 560 pounds (10 bushels) from the record tying crop of a year earlier.

BARLEY ACREAGE HIGHEST SINCE 1986

Barley acreage in recent years, has been increasing. The 32,000 acres planted to barley was the largest acreage since 1986. As a matter of interest, the 1993 crop statistics mirrored the 1986 crop with the exception of price. The 1993 average price of \$108.30 per ton was \$5.40 higher than the price of 7 years earlier.

ALFALFA PRODUCTION UP SLIGHTLY

With alfalfa acreage holding at 150,000 acres and yields up slightly, production showed a small increase over the past year. Production at 1,110,000 tons remained well below the most recent 5 year average of 1,214,400 tons. Other hay acreage cut totaled 35,000 acres, a 17 percent increase from a year earlier. This increase in acreage, however, decreased .7 ton in yield, netting a decline from the previous year of some 3,000 tons.

1993 ARIZONA AGRICULTURAL STATISTICS

UPLAND COTTON: Acreage, yield, production, Arizona, by counties, 1989-93 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					COCHISE				
1989	0				1989	14,100	13,900	701	20,300
1990	0				1990	15,400	15,200	707	22,400
1991	0				1991	17,800	17,500	603	22,000
1992	0				1992	12,600	11,500	559	13,400
1993	0				1993	12,000	11,900	545	13,500
COCONINO					GILA				
1989	0				1989	0			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	0			
1993	0				1993	0			
GRAHAM					GREENLEE				
1989	4,900	4,800	1,060	10,600	1989	900	900	800	1,500
1990	7,900	7,400	1,038	16,000	1990	1,000	1,000	816	1,700
1991	5,700	5,700	842	10,000	1991	1,200	1,000	960	2,000
1992	8,500	8,500	774	13,700	1992	800	700	1,097	1,600
1993	8,600	8,500	1,050	18,600	1993	800	800	900	1,500
LA PAZ					MARICOPA				
1989	15,000	14,900	1,392	43,200	1989	109,000	108,800	1,337	303,000
1990	25,000	25,000	1,313	68,400	1990	145,700	145,000	1,163	351,400
1991	28,400	28,400	1,301	77,000	1991	139,300	139,000	1,216	352,000
1992	28,700	28,700	1,310	78,300	1992	127,800	127,500	1,044	277,300
1993	32,500	32,500	1,409	95,400	1993	121,700	121,400	1,291	326,500
MOHAVE					NAVAJO				
1989	4,700	4,600	1,242	11,900	1989	0			
1990	5,300	5,300	1,186	13,100	1990	0			
1991	5,800	5,800	1,076	13,000	1991	0			
1992	6,300	6,300	998	13,100	1992	0			
1993	6,200	6,200	1,246	16,100	1993	0			
PIMA					PINAL				
1989	6,200	6,100	1,086	13,800	1989	70,000	69,900	1,387	202,000
1990	10,600	10,600	906	20,000	1990	114,500	113,900	1,087	258,000
1991	10,400	10,400	1,108	24,000	1991	128,000	127,800	1,239	330,000
1992	11,000	10,900	1,145	26,000	1992	105,500	105,100	1,131	247,600
1993	11,100	11,100	1,098	25,400	1993	102,600	102,200	1,110	236,400
SANTA CRUZ					YAVAPAI				
1989	0				1989	0			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	0			
1993	0				1993	0			
YUMA					ARIZONA				
1989	15,200	15,100	1,357	42,700	1989	240,000	239,000	1,303	649,000
1990	24,600	24,600	1,171	60,000	1990	350,000	348,000	1,119	811,000
1991	23,400	23,400	1,395	68,000	1991	360,000	359,000	1,201	898,000
1992	23,800	23,800	1,089	54,000	1992	325,000	323,000	1,077	725,000
1993	20,500	20,400	1,332	56,600	1993	316,000	315,000	1,204	790,000

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

UPLAND COTTON: Acreage, yield, production, and value, Arizona, 1989-93 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.
1989	240,000	239,000	1,303	649,000	65.9	205,292
1990	350,000	348,000	1,119	811,000	69.2	269,382
1991	360,000	359,000	1,201	898,000	60.4	260,348
1992	325,000	323,000	1,077	725,000	53.0	184,440
1993	316,000	315,000	1,204	790,000	60.1	227,899

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.

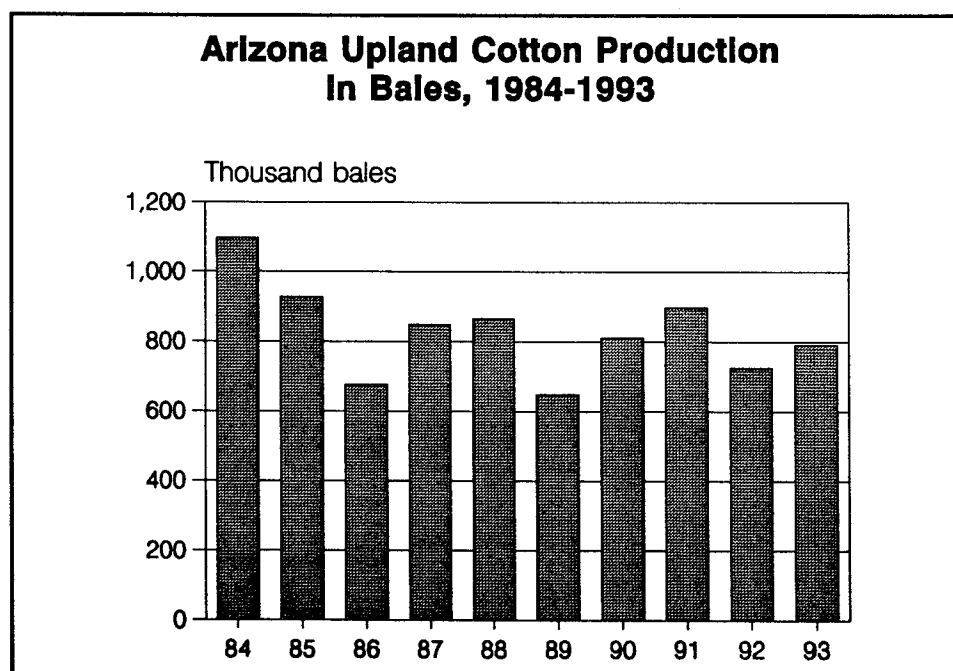
UPLAND COTTON: Farm marketings, Arizona, 1988/89-1992/93

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
	Percent											
1988/89	1.9	4.5	8.3	17.9	26.6	8.0	12.3	6.1	4.1	3.5	.2	6.6
1989/90	3.1	2.7	15.1	35.1	9.3	7.9	11.3	4.4	3.7	3.7	.7	3.0
1990/91	.0	1.6	20.2	41.4	15.0	7.4	3.6	1.9	4.8	1.8	1.5	.8
1991/92	3.5	11.8	17.5	21.8	14.7	21.1	3.8	2.8	1.6	.3	.3	.8
1992/93	.0	16.4	14.7	17.9	15.1	12.9	4.7	12.7	3.3	.4	.4	1.5

UPLAND COTTON: Monthly and marketing year average prices received by growers, Arizona, 1989/90-1993/94

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Marketing year average
	Cents per pound												
1989/90	73.7	63.2	66.4	67.0	64.1	59.5	63.1	64.6	67.8	73.6	64.4	69.7	65.9
1990/91	51.7	68.2	67.5	69.6	70.7	65.9	68.2	71.3	72.3	73.5	71.4	1/	69.2
1991/92	63.5	62.4	64.7	63.9	60.3	55.0	52.1	50.7	54.3	1/	1/	1/	60.4
1992/93	1/	53.5	52.9	49.7	54.1	53.8	52.5	54.7	54.1	1/	1/	52.0	53.0
1993/94	52.8	53.2	52.8	52.4	57.7	62.0	70.8	67.6					60.1

1/ Not published to avoid disclosure of individual operations.



1993 ARIZONA AGRICULTURAL STATISTICS**AMERICAN-PIMA COTTON: Acreage, yield, production, Arizona, by counties, 1989-93 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					COCHISE				
1989	0				1989	6,300	6,000	624	7,800
1990	0				1990	4,200	4,100	597	5,100
1991	0				1991	5,600	2,950	325	2,000
1992	0				1992	3,500	2,900	207	1,250
1993	0				1993	2,800	2,800	206	1,200
COCONINO					GILA				
1989	0				1989	0			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	0			
1993	0				1993	0			
GRAHAM					GREENLEE				
1989	20,000	20,000	902	37,600	1989	*			
1990	16,600	16,100	865	29,000	1990	*			
1991	20,000	19,950	614	25,500	1991	*			
1992	16,100	16,100	671	22,500	1992	*			
1993	13,500	13,500	768	21,600	1993	*			
LA PAZ					MARICOPA				
1989	17,700	17,700	814	30,000	1989	63,300	63,200	919	121,000
1990	6,100	6,100	905	11,500	1990	24,500	24,300	672	34,000
1991	6,400	6,400	1,013	13,500	1991	18,400	18,400	965	36,600
1992	7,200	7,200	693	10,400	1992	18,200	18,200	675	25,600
1993	1,600	1,600	1,020	3,400	1993	10,600	10,500	837	18,300
MOHAVE					NAVAJO				
1989	700	700	891	1,300	1989	0			
1990	500	500	480	500	1990	0			
1991	*				1991	0			
1992	*				1992	0			
1993	0				1993	0			
PIMA					PINAL				
1989	8,500	8,400	629	11,000	1989	114,000	114,000	1,012	240,300
1990	3,100	3,100	650	4,200	1990	65,700	65,500	755	103,000
1991	2,700	2,700	818	4,600	1991	50,000	49,700	934	96,750
1992	2,900	2,800	943	5,500	1992	53,000	52,700	638	70,000
1993	2,600	2,600	591	3,200	1993	24,500	24,500	709	36,200
SANTA CRUZ					YAVAPAI				
1989	0				1989	0			
1990	*				1990	0			
1991	*				1991	0			
1992	0				1992	0			
1993	0				1993	0			
YUMA					ARIZONA				
1989	14,100	14,100	940	27,600	1989	245,000	244,500	936	477,000
1990	4,000	4,000	780	6,500	1990	125,000	124,000	751	194,000
1991	2,600	2,600	942	5,100	1991	106,000	103,000	860	184,500
1992	1,800	1,800	640	2,400	1992	103,000	102,000	649	138,000
1993	1,400	1,400	1,063	3,100	1993	57,000	56,900	734	87,000

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

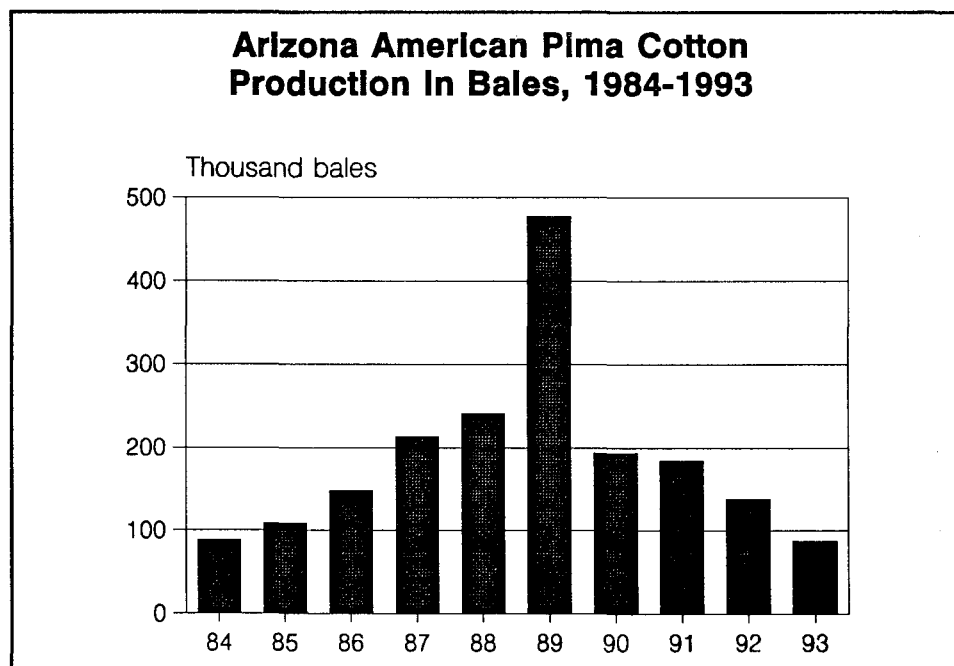
1/ Production estimates are for 480 pound net weight bales.

AMERICAN-PIMA COTTON: Acreage, yield, production, and value, Arizona, 1989-93 1/

Year	Planted	Harvested	Yield per harvested acre	Lint		
				Production	Marketing year average price 2/	Value of production
	<u>Acres</u>		<u>Lbs.</u>	<u>Bales</u>	<u>Cents per lb.</u>	<u>1,000 dol.</u>
1989	245,000	244,500	936	477,000	95.6	218,886
1990	125,000	124,000	751	194,000	104.0	96,845
1991	106,000	103,000	860	184,500	97.6	86,435
1992	103,000	102,000	649	138,000	77.6	51,402
1993	57,000	56,900	734	87,000	88.6	36,999

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.



1993 ARIZONA AGRICULTURAL STATISTICS

ALL COTTON: Acreage, yield, production, Arizona, by counties, 1989-93 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					COCHISE				
1989	0				1989	20,400	19,900	678	28,100
1990	0				1990	19,600	19,300	684	27,500
1991	0				1991	23,400	20,450	563	24,000
1992	0				1992	16,100	14,400	488	14,650
1993	0				1993	14,800	14,700	480	14,700
COCONINO					GILA				
1989	0				1989	0			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	0			
1993	0				1993	0			
GRAHAM					GREENLEE				
1989	24,900	24,800	933	48,200	1989	*			
1990	24,500	23,500	919	45,000	1990	*			
1991	25,700	25,650	664	35,500	1991	*			
1992	24,600	24,600	706	36,200	1992	*			
1993	22,100	22,000	877	40,200	1993	800	800	900	1,500
LA PAZ					MARICOPA				
1989	32,700	32,600	1,078	73,200	1989	172,300	172,000	1,183	424,000
1990	31,100	31,100	1,233	79,900	1990	170,200	169,300	1,093	385,400
1991	34,800	34,800	1,248	90,500	1991	157,700	157,400	1,185	388,600
1992	35,900	35,900	1,186	88,700	1992	146,000	145,700	998	302,900
1993	34,100	34,100	1,391	98,800	1993	132,300	131,900	1,255	344,800
MOHAVE					NAVAJO				
1989	5,400	5,300	1,195	13,200	1989	0			
1990	5,800	5,800	1,126	13,600	1990	0			
1991	*				1991	0			
1992	*				1992	0			
1993	6,200	6,200	1,246	16,100	1993	0			
PIMA					PINAL				
1989	14,700	14,500	821	24,800	1989	184,000	183,900	1,154	442,300
1990	13,700	13,700	848	24,200	1990	180,200	179,400	966	361,000
1991	13,100	13,100	1,048	28,600	1991	178,000	177,500	1,154	426,750
1992	13,900	13,700	1,104	31,500	1992	158,500	157,800	966	317,600
1993	13,700	13,700	1,002	28,600	1993	127,100	126,700	1,033	272,600
SANTA CRUZ					YAVAPAI				
1989	0				1989	0			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	0			
1993	0				1993	0			
YUMA					ARIZONA				
1989	29,300	29,200	1,156	70,300	1989	485,000	483,500	1,118	1,126,000
1990	28,600	28,600	1,116	66,500	1990	475,000	472,000	1,022	1,005,000
1991	26,000	26,000	1,350	73,100	1991	466,000	462,000	1,125	1,082,500
1992	25,600	25,600	1,058	56,400	1992	428,000	425,000	975	863,000
1993	21,900	21,800	1,314	59,700	1993	373,000	371,900	1,132	877,000

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

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

ALL COTTON: Acreage, yield, production, and value, Arizona, 1989-93 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Value of production
	Acres		Lbs.	Bales	1,000 dol.
1989	485,000	483,500	1,118	1,126,000	424,178
1990	475,000	472,000	1,022	1,005,000	366,227
1991	466,000	462,000	1,125	1,082,500	346,783
1992	428,000	425,000	975	863,000	235,842
1993	373,000	371,900	1,132	877,000	264,898

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

COTTONSEED: Production, disposition, price, and value, Arizona, 1989-93

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	
1989	423.0	246.0	177.0	4.3	111.00	46,953	27,306
1990	380.0	194.0	186.0	4.2	136.00	51,680	26,384
1991	409.0	237.0	172.0	3.9	82.00	33,538	19,434
1992	335.0	161.0	174.0	3.4	107.00	35,845	17,227
1993	338.0	195.0	143.0	3.1	119.00	40,222	23,205

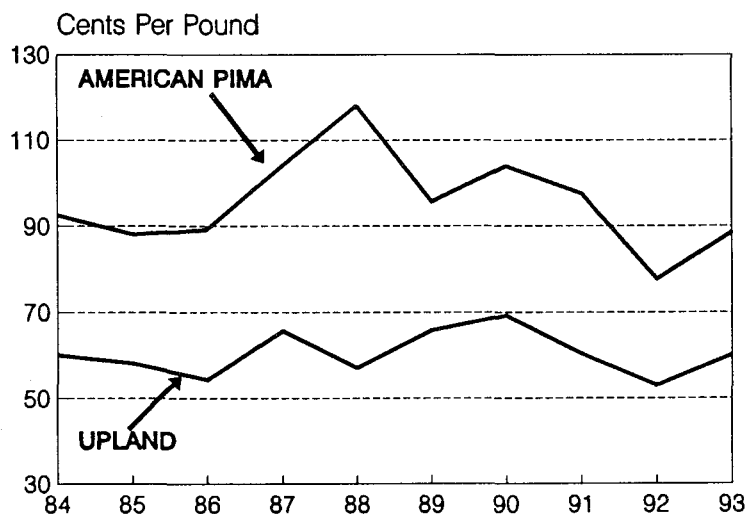
1/ Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.

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

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

895,992 - 100,000

Arizona American Pima And Upland Cotton Marketing Year Average Price, 1984-1993



1993 ARIZONA AGRICULTURAL STATISTICS

DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1989-93

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					COCHISE				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	*			
COCONINO					GILA				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	*			
GRAHAM					GREENLEE				
1989	500	400	4,200	840	1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	1,000	1,000	4,500	2,250	1992	*			
1993	*				1993	*			
LA PAZ					MARICOPA				
1989	6,000	6,000	5,730	17,190	1989	28,000	27,500	5,820	80,030
1990	3,000	3,000	6,200	9,300	1990	12,000	11,200	5,710	31,950
1991	2,000	2,000	6,000	6,000	1991	12,000	11,500	5,700	32,780
1992	1,000	1,000	4,980	2,490	1992	12,000	11,500	5,100	29,320
1993	2,000	2,000	4,800	4,800	1993	23,000	21,000	5,250	57,960
MOHAVE					NAVAJO				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	*			
PIMA					PINAL				
1989	*				1989	22,000	21,800	4,440	48,400
1990	1,800	1,800	6,000	5,400	1990	14,200	14,100	5,110	36,000
1991	1,300	1,300	5,640	3,670	1991	10,800	10,800	5,400	29,160
1992	1,000	1,000	5,400	2,700	1992	16,000	16,000	4,800	38,400
1993	2,800	2,700	5,580	7,530	1993	18,000	17,500	5,400	47,250
SANTA CRUZ					YAVAPAI				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	500	100	4,200	210
YUMA					ARIZONA				
1989	24,000	23,900	5,880	70,270	1989	85,000	84,000	5,400	226,800
1990	12,000	11,900	6,130	36,450	1990	45,000	44,000	5,640	124,080
1991	12,000	11,500	6,000	34,500	1991	40,000	39,000	5,700	111,150
1992	13,000	12,500	5,580	34,880	1992	45,000	44,000	5,100	112,200
1993	7,400	5,400	5,340	14,420	1993	55,000	50,000	5,400	135,000

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

1/ Converted from 60 pound bushels and rounded.

DURUM WHEAT: Acreage, yield, production, price, and value, Arizona, 1989-93

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.
1989	85,000	84,000	5,400	226,800	137.30	31,147
1990	45,000	44,000	5,640	124,080	121.70	15,096
1991	40,000	39,000	5,700	111,150	121.00	13,449
1992	45,000	44,000	5,100	112,200	131.70	14,773
1993	55,000	50,000	5,400	135,000	128.30	17,325

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

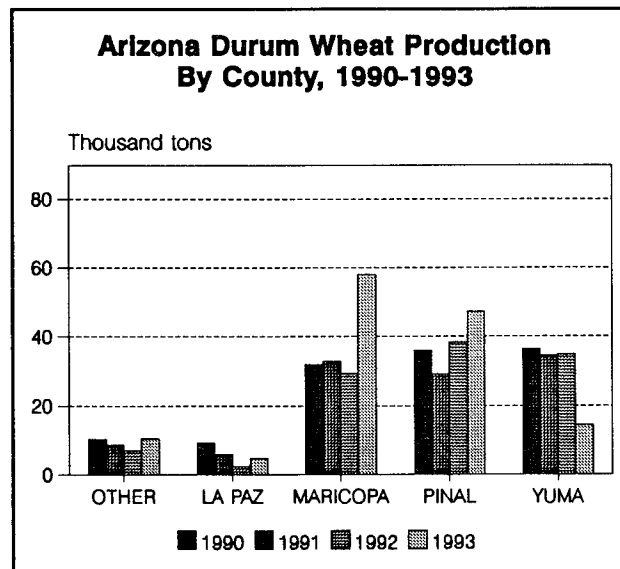
2/ Converted from 60 pound bushels and rounded.

DURUM WHEAT: Farm marketings, Arizona, 1988/89-1992/93

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1988/89	59	12	13	8	1	1	1	1	1	1	1	1
1989/90	10	72	6	2	1	1	1	1	2	1	1	2
1990/91	50	30	11	1	1	1	1	1	1	1	1	1
1991/92	25	58	0	2	0	0	0	0	14	0	0	0
1992/93	43	52	3	0	0	0	0	0	0	0	1	0

DURUM WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1989/90-1993/94

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
	Dollars per ton												
1989/90	134.70	140.00	135.70	130.30	--	--	--	114.00	120.00	--	--	120.00	137.30
1990/91	120.00	124.70	120.70	--	--	--	--	--	--	--	--	--	121.70
1991/92	115.70	121.30	--	130.00	--	--	--	--	128.30	--	--	--	121.00
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



1993 ARIZONA AGRICULTURAL STATISTICS

OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1989-93

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					COCHISE				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	*			
COCONINO					GILA				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	*			
GRAHAM					GREENLEE				
1989	500	400	3,840	770	1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	1,500	1,300	6,000	3,900	1992	*			
1993	800	700	5,820	2,040	1993	*			
LA PAZ					MARICOPA				
1989	8,000	7,900	5,380	21,240	1989	10,500	10,400	6,180	32,140
1990	13,000	13,000	6,070	39,450	1990	15,100	14,900	5,460	40,680
1991	4,000	4,000	6,180	12,360	1991	8,000	7,900	6,360	25,120
1992	8,700	8,700	5,040	21,920	1992	7,500	7,400	5,700	21,090
1993	5,000	5,000	5,640	14,100	1993	8,000	7,000	5,820	20,370
MOHAVE					NAVAJO				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	*			
PIMA					PINAL				
1989	*				1989	1,000	1,000	5,400	2,700
1990	600	500	4,800	1,200	1990	1,500	1,500	6,000	4,500
1991	500	500	4,800	1,200	1991	2,400	2,100	6,120	6,430
1992	500	400	4,980	1,000	1992	2,000	1,800	4,800	4,320
1993	*				1993	3,600	3,400	5,280	8,980
SANTA CRUZ					YAVAPAI				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	700	700	3,000	1,050
YUMA					ARIZONA				
1989	12,000	11,800	5,700	33,630	1989	35,000	34,000	5,580	94,860
1990	21,000	20,900	5,820	60,810	1990	55,000	54,000	5,700	153,900
1991	13,400	13,100	6,660	43,620	1991	30,000	29,000	6,300	91,350
1992	22,000	21,800	5,760	62,780	1992	45,000	44,000	5,400	118,800
1993	19,600	16,500	5,930	48,960	1993	40,000	35,000	5,640	98,700

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

1/ Converted from 60 pound bushels and rounded.

OTHER WHEAT: Acreage, yield, production, price, and value, Arizona, 1989-93

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.
1989	35,000	34,000	5,580	94,860	139.70	13,249
1990	55,000	54,000	5,700	153,900	125.00	19,238
1991	30,000	29,000	6,300	91,350	111.30	10,170
1992	45,000	44,000	5,400	118,800	121.00	14,375
1993	40,000	35,000	5,640	98,700	108.30	10,693

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

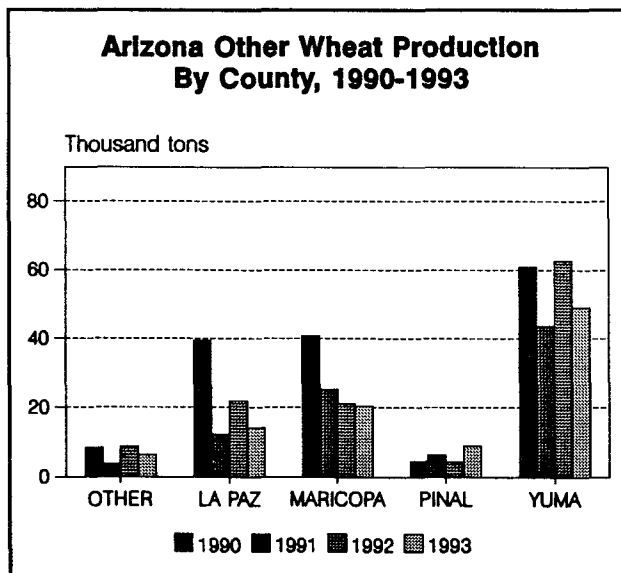
2/ Converted from 60 pound bushels and rounded.

OTHER WHEAT: Farm marketings, Arizona, 1988/89-1992/93

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1988/89	25	35	18	3	3	2	3	3	2	1	1	1
1989/90	1	80	10	1	1	1	1	1	1	1	1	1
1990/91	1	88	2	1	1	1	1	1	1	1	1	1
1991/92	0	14	76	0	0	0	2	0	8	0	0	0
1992/93	28	26	1	0	44	0	0	0	0	0	1	0

OTHER WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1989/90-1993/94

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
	Dollars per ton												
1989/90	--	142.00	122.00	--	--	--	--	--	--	--	--	--	139.70
1990/91	--	--	--	--	--	--	--	--	--	--	--	--	125.00
1991/92	--	111.00	110.30	--	--	--	115.00	--	120.00	--	--	--	111.30
1992/93	115.70	117.70	110.00	--	127.00	--	--	--	--	--	115.00	--	121.00
1993/94	114.00	110.00	101.30	--	112.00	--	--	--	--	--	--	--	108.30



1993 ARIZONA AGRICULTURAL STATISTICS

ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1989-93

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					COCHISE				
1989	700	700	2,670	930	1989	1,200	1,000	4,730	2,360
1990	600	500	2,760	690	1990	1,300	1,200	6,000	3,600
1991	700	500	2,860	710	1991	*			
1992	700	500	2,760	690	1992	*			
1993	*				1993	*			
COCONINO					GILA				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	*				1992	*			
1993	*				1993	*			
GRAHAM					GREENLEE				
1989	1,000	800	4,020	1,610	1989	900	900	4,450	2,000
1990	1,100	1,000	6,000	3,000	1990	700	600	5,100	1,530
1991	1,400	1,300	5,810	3,770	1991	*			
1992	2,500	2,300	5,350	6,150	1992	*			
1993	1,100	1,000	5,620	2,810	1993	*			
LA PAZ					MARICOPA				
1989	14,000	13,900	5,530	38,430	1989	38,500	37,900	5,920	112,160
1990	16,000	16,000	6,100	48,750	1990	27,100	26,100	5,570	72,630
1991	6,000	6,000	6,000	18,360	1991	20,000	19,400	5,970	57,900
1992	9,700	9,700	5,030	24,410	1992	19,500	18,900	5,340	50,410
1993	7,000	7,000	5,400	18,900	1993	31,000	28,000	5,600	78,330
MOHAVE					NAVAJO				
1989	1,400	1,400	3,990	2,790	1989	*			
1990	900	800	3,980	1,590	1990	*			
1991	*				1991	*			
1992	800	800	3,410	1,360	1992	600	600	2,600	780
1993	600	600	3,700	1,110	1993	900	800	3,150	1,260
PIMA					PINAL				
1989	2,000	1,900	5,070	4,820	1989	23,000	22,800	4,480	51,100
1990	2,400	2,300	5,740	6,600	1990	15,700	15,600	5,190	40,500
1991	1,800	1,800	5,410	4,870	1991	13,200	12,900	5,520	35,590
1992	1,500	1,400	5,280	3,700	1992	18,000	17,800	4,800	42,720
1993	3,000	2,900	5,570	8,070	1993	21,600	20,900	5,380	56,230
SANTA CRUZ					YAVAPAI				
1989	*				1989	500	300	1,980	300
1990	*				1990	700	600	3,400	1,020
1991	*				1991	*			
1992	*				1992	800	800	2,890	1,160
1993	*				1993	1,200	800	3,150	1,260
YUMA					ARIZONA				
1989	36,000	35,700	5,820	103,900	1989	120,000	118,000	5,450	321,660
1990	33,000	32,800	5,930	97,260	1990	100,000	98,000	5,680	277,980
1991	25,400	24,600	6,350	78,120	1991	70,000	68,000	5,960	202,500
1992	35,000	34,300	5,690	97,660	1992	90,000	88,000	5,250	231,000
1993	27,000	21,900	5,790	63,380	1993	95,000	85,000	5,500	233,700

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

1/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Acreage, yield, production, price, and value, Arizona, 1989-93

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.
1989	120,000	118,000	5,450	321,660	138.00	44,396
1990	100,000	98,000	5,680	277,980	121.70	34,334
1991	70,000	68,000	5,960	202,500	114.70	23,619
1992	90,000	88,000	5,250	231,000	128.00	29,148
1993	95,000	85,000	5,500	233,700	121.70	28,018

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

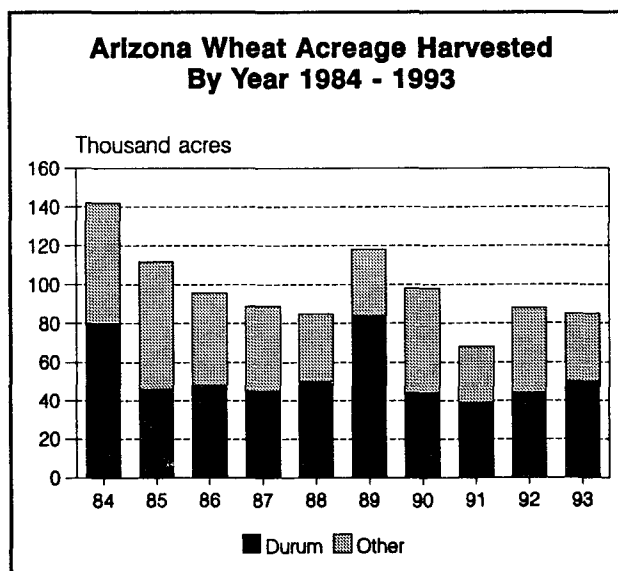
2/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Farm marketings, Arizona, 1988/89-1992/93

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	Percent											
1988/89	50	13	13	16	1	1	1	1	1	1	1	1
1989/90	10	73	5	2	1	1	1	1	2	1	1	2
1990/91	50	30	11	1	1	1	1	1	1	1	1	1
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

ALL WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1989/90-1993/94

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
	Dollars per ton												
1989/90	134.70	140.30	133.30	130.30	--	--	--	114.00	120.00	--	--	120.00	138.00
1990/91	120.00	124.70	120.70	--	--	--	--	--	--	--	--	--	121.70
1991/92	115.70	118.00	110.30	130.00	--	--	115.00	--	124.00	--	--	--	114.70
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	--	--	121.70



1993 ARIZONA AGRICULTURAL STATISTICS

BARLEY: Acreage, yield, and production, Arizona, by counties, 1989-93

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					COCHISE				
1989	*				1989	500	400	5,290	1,060
1990	700	*			1990	*			
1991	*				1991	1,400	1,300	5,280	3,430
1992	*				1992	1,400	1,200	4,840	2,900
1993	*				1993	2,100	1,800	3,330	3,000
COCONINO					GILA				
1989	0				1989	*			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	0			
1993	0				1993	*			
GRAHAM					GREENLEE				
1989	800	600	5,500	1,650	1989	*			
1990	700	600	5,680	1,700	1990	*			
1991	1,200	1,200	6,080	3,650	1991	*			
1992	1,400	1,300	5,240	3,410	1992	*			
1993	1,000	900	4,850	2,180	1993	*			
LA PAZ					MARICOPA				
1989	*				1989	5,100	3,900	5,120	9,990
1990	0				1990	7,300	6,800	5,570	18,930
1991	2/				1991	6,800	6,100	5,840	17,810
1992	2/				1992	9,400	8,200	5,090	20,880
1993	2/				1993	13,800	13,100	4,910	32,160
MOHAVE					NAVAJO				
1989	*				1989	*			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	*			
1993	0				1993	*			
PIMA					PINAL				
1989	*				1989	5,000	4,100	4,980	10,210
1990	*				1990	6,400	5,900	4,410	13,020
1991	*				1991	9,600	9,100	5,960	27,120
1992	*				1992	8,700	8,000	5,200	20,810
1993	*				1993	11,300	10,800	4,950	26,710
SANTA CRUZ					YAVAPAI				
1989	*				1989	*			
1990	*				1990	*			
1991	0				1991	*			
1992	0				1992	*			
1993	0				1993	*			
YUMA					ARIZONA				
1989	1,900	1,700	4,880	4,150	1989	15,000	12,000	4,940	29,660
1990	1,400	1,200	5,040	3,020	1990	17,000	15,000	5,040	37,800
1991	2,000	1,800	4,880	4,390	1991	22,000	20,000	5,760	57,600
1992	2,100	1,800	4,400	3,960	1992	24,000	21,000	5,040	52,920
1993	2,300	2,000	4,780	4,780	1993	32,000	29,000	4,800	69,600

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

1/ Converted from 48 pound bushels and rounded.

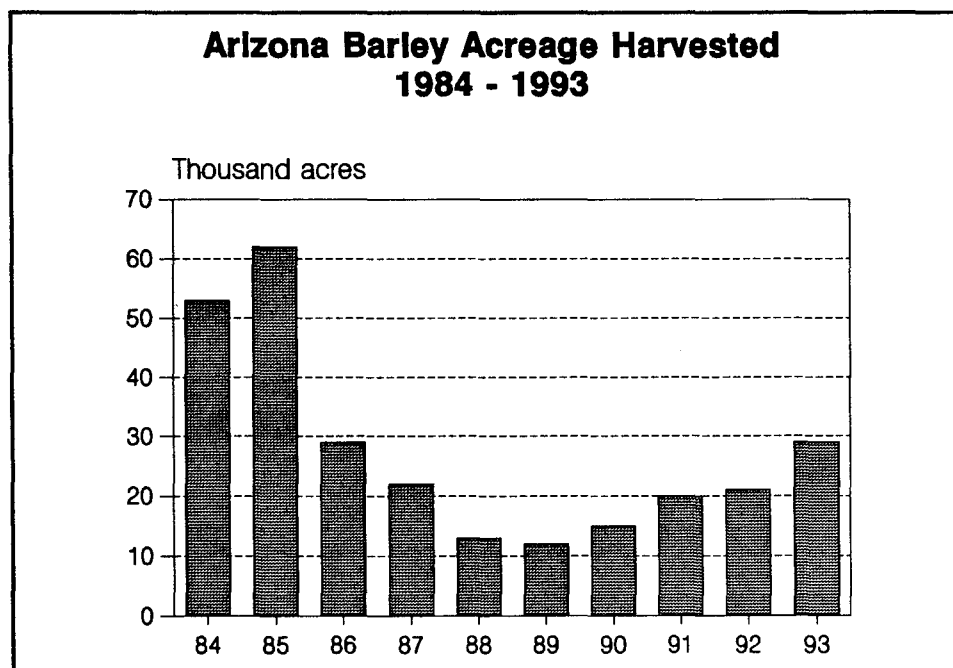
2/ Acres and production included with Yuma County to avoid disclosure of individual operations.

BARLEY: Acreage, yield, production, price, and value, Arizona, 1989-93

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
		<u>Acres</u>	<u>Lbs. 2/</u>	<u>Tons 2/</u>	<u>Dol. per ton 2/</u>	<u>1,000 dol.</u>
1989	15,000	12,000	4,940	29,660	129.20	3,832
1990	17,000	15,000	5,040	37,800	116.30	4,394
1991	22,000	20,000	5,760	57,600	108.30	6,240
1992	24,000	21,000	5,040	52,920	108.30	5,733
1993	32,000	29,000	4,800	69,600	108.30	7,540

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.



1993 ARIZONA AGRICULTURAL STATISTICS

CORN: Acreage, yield, and production, Arizona, by counties, 1989-93

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					COCHISE				
1989	0				1989	9,000	7,100	8,570	30,440
1990	*				1990	5,500	3,700	9,390	17,360
1991	0				1991	4,500	2,400	9,800	11,760
1992	*				1992	6,800	5,900	9,630	28,420
1993	*				1993	7,300	5,000	9,300	23,250
COCONINO					GILA				
1989	*				1989	0			
1990	0				1990	0			
1991	0				1991	0			
1992	0				1992	0			
1993	0				1993	0			
GRAHAM					GREENLEE				
1989	3,400	2,400	9,760	11,700	1989	800	400	7,000	1,400
1990	2,500	1,500	9,820	7,360	1990	500	200	5,600	560
1991	2,600	1,400	11,000	7,700	1991	*			
1992	3,400	3,100	10,820	16,770	1992	*			
1993	3,500	3,000	9,520	14,280	1993	*			
LA PAZ					MARICOPA				
1989	1,500	1,500	6,500	4,870	1989	3,500	700	5,360	1,880
1990	500	500	8,960	2,240	1990	4,500	800	7,000	2,800
1991	*				1991	5,000	400	6,300	1,260
1992	*				1992	3,700	800	6,230	2,490
1993	*				1993	5,400	600	7,000	2,100
MOHAVE					NAVAJO				
1989	0				1989	*			
1990	0				1990	*			
1991	0				1991	*			
1992	0				1992	*			
1993	0				1993	*			
PIMA					PINAL				
1989	*				1989	500	100	5,040	250
1990	*				1990	*			
1991	*				1991	600	100	5,600	280
1992	0				1992	800	200	5,880	590
1993	0				1993	1,300	400	6,450	1,290
SANTA CRUZ					YAVAPAI				
1989	*				1989	*			
1990	*				1990	*			
1991	*				1991	*			
1992	0				1992	*			
1993	0				1993	*			
YUMA					ARIZONA				
1989	*				1989	20,000	13,000	8,120	52,780
1990	*				1990	15,000	7,000	8,960	31,360
1991	0				1991	14,000	5,000	9,520	23,800
1992	*				1992	16,000	11,000	9,520	52,360
1993	*				1993	19,000	10,000	8,960	44,800

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

1/ Converted from 56 pound bushels and rounded.

CORN: Acreage, yield, production, price, and value, Arizona, 1989-93

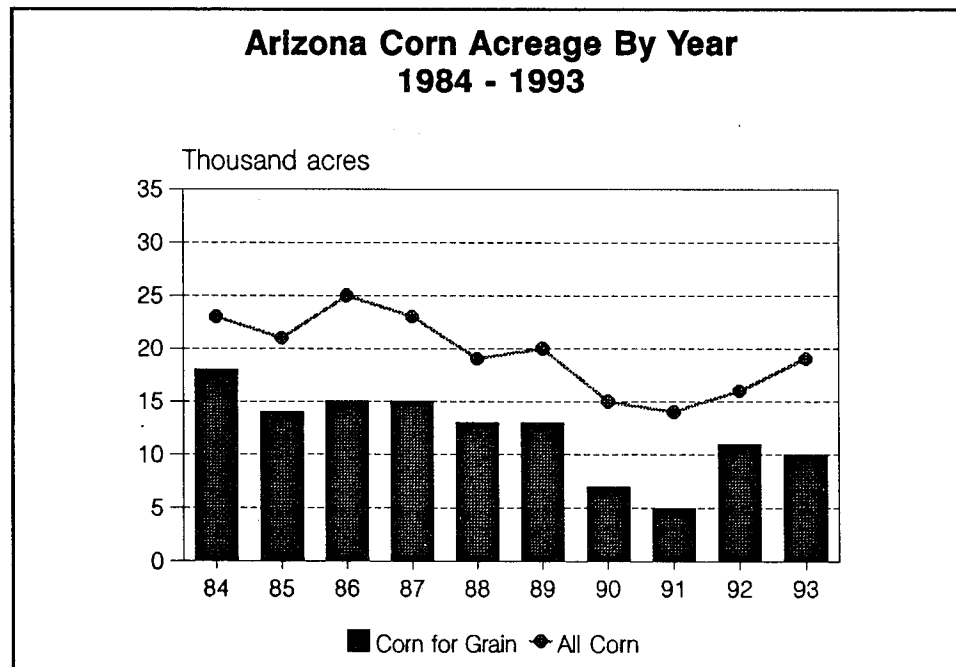
Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	Acres		Lbs. 2/	Tons 2/	Dol. per ton 2/	1,000 dol.
1989	20,000	13,000	8,120	52,780	107.10	5,655
1990	15,000	7,000	8,960	31,360	112.50	3,528
1991	14,000	5,000	9,520	23,800	100.00	2,380
1992	16,000	11,000	9,520	52,360	98.20	5,143
1993	19,000	10,000	8,960	44,800	107.10	4,800

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, 1989-93

Year	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1989	7,000	27.0	189,000	20.00	3,780
1990	8,000	27.0	216,000	21.00	4,536
1991	9,000	28.0	252,000	24.00	6,048
1992	5,000	25.0	125,000	26.00	3,250
1993	9,000	27.0	243,000	35.00	8,500



1993 ARIZONA AGRICULTURAL STATISTICS

ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
APACHE				COCHISE			
1989	3,000	3.4	10,200	1989	6,500	5.4	35,000
1990	3,000	3.0	9,000	1990	7,000	5.1	36,000
1991	2,000	3.0	6,000	1991	7,000	3.9	27,000
1992	1,700	3.5	6,000	1992	6,100	4.3	26,000
1993	1,500	3.0	4,500	1993	5,000	5.8	29,000
COCONINO				GILA			
1989	*			1989	*		
1990	*			1990	*		
1991	*			1991	*		
1992	*			1992	500	4.0	2,000
1993	500	6.0	3,000	1993	500	5.0	2,500
GRAHAM				GREENLEE			
1989	3,500	5.7	20,000	1989	*		
1990	4,000	6.0	24,000	1990	*		
1991	4,000	6.0	24,000	1991	*		
1992	3,500	5.3	18,500	1992	*		
1993	2,000	6.0	12,000	1993	*		
LA PAZ				MARICOPA			
1989	35,200	8.0	280,000	1989	45,800	7.6	350,000
1990	42,000	8.6	362,000	1990	48,000	7.3	350,000
1991	44,000	8.0	351,000	1991	50,000	8.0	398,000
1992	38,500	7.5	290,000	1992	44,000	7.2	318,000
1993	40,500	7.5	305,000	1993	43,000	7.3	316,000
MOHAVE				NAVAJO			
1989	6,000	8.8	53,000	1989	2,500	3.2	8,000
1990	7,500	8.0	60,000	1990	2,000	2.5	5,000
1991	7,500	7.2	54,000	1991	2,000	3.5	7,000
1992	6,500	6.2	40,000	1992	1,700	2.9	5,000
1993	6,000	6.7	40,000	1993	1,700	3.8	6,500
PIMA				PINAL			
1989	1,200	7.1	8,500	1989	11,100	8.1	90,000
1990	1,800	8.6	15,500	1990	11,000	8.8	97,000
1991	1,800	8.9	16,000	1991	12,000	7.9	94,500
1992	1,600	5.9	9,500	1992	11,000	7.5	82,000
1993	3,000	9.3	28,000	1993	14,000	7.6	106,000
SANTA CRUZ				YAVAPAI			
1989	700	5.6	3,900	1989	2,500	4.2	10,500
1990	500	6.0	3,000	1990	2,000	4.0	8,000
1991	500	6.0	3,000	1991	2,000	5.5	11,000
1992	500	5.0	2,500	1992	1,700	5.6	9,500
1993	*			1993	1,500	6.0	9,000
YUMA				ARIZONA			
1989	31,100	8.6	267,000	1989	150,000	7.6	1,140,000
1990	35,000	9.4	330,000	1990	165,000	7.9	1,304,000
1991	36,000	8.7	313,000	1991	170,000	7.7	1,309,000
1992	32,000	8.8	283,000	1992	150,000	7.3	1,095,000
1993	30,000	8.1	243,000	1993	150,000	7.4	1,110,000

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

1/ Does not include green chop or grazed.

1993 ARIZONA AGRICULTURAL STATISTICS

29

OTHER HAY: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Tons</u>	<u>Tons</u>		<u>Acres</u>	<u>Tons</u>	<u>Tons</u>
APACHE				COCHISE			
1989	1,200	2.2	2,600	1989	800	3.9	3,100
1990	1,200	2.5	3,000	1990	600	1.7	1,000
1991	1,000	2.5	2,500	1991	600	3.3	2,000
1992	1,000	4.0	4,000	1992	600	4.2	2,500
1993	1,500	2.3	3,500	1993	600	3.3	2,000
COCONINO				GILA			
1989	500	3.0	1,500	1989	*		
1990	500	2.0	1,000	1990	*		
1991	500	3.0	1,500	1991	*		
1992	500	3.0	1,500	1992	*		
1993	600	3.3	2,000	1993	500	3.0	1,500
GRAHAM				GREENLEE			
1989	800	3.0	2,400	1989	*		
1990	500	4.0	2,000	1990	*		
1991	500	4.0	2,000	1991	*		
1992	500	4.0	2,000	1992	*		
1993	500	4.0	2,000	1993	*		
LA PAZ				MARICOPA			
1989	6,500	3.8	25,000	1989	6,800	4.3	29,000
1990	4,000	2.0	8,000	1990	5,000	4.4	22,000
1991	5,000	4.2	21,000	1991	4,600	4.1	19,000
1992	5,000	4.4	22,000	1992	4,600	4.3	20,000
1993	7,000	4.7	33,000	1993	5,500	4.4	24,000
MOHAVE				NAVAJO			
1989	1,300	3.0	3,900	1989	*		
1990	1,000	3.0	3,000	1990	*		
1991	1,300	3.5	4,600	1991	*		
1992	1,300	4.6	6,000	1992	*		
1993	1,400	5.0	7,000	1993	500	4.0	2,000
PIMA				PINAL			
1989	*			1989	1,000	3.0	3,000
1990	500	4.0	2,000	1990	1,000	2.0	2,000
1991	500	4.0	2,000	1991	1,100	3.2	3,500
1992	500	4.0	2,000	1992	1,100	3.6	4,000
1993	500	4.0	2,000	1993	1,500	3.3	5,000
SANTA CRUZ				YAVAPAI			
1989	*			1989	2,200	2.5	5,500
1990	*			1990	1,500	3.0	4,500
1991	*			1991	1,200	3.3	3,900
1992	*			1992	1,200	4.2	5,000
1993	*			1993	1,200	3.8	4,500
YUMA				ARIZONA			
1989	12,500	4.9	61,000	1989	35,000	4.0	140,000
1990	13,000	5.0	64,500	1990	30,000	3.9	117,000
1991	12,500	4.1	51,000	1991	30,000	3.9	117,000
1992	12,500	4.5	56,000	1992	30,000	4.3	129,000
1993	13,000	2.7	35,000	1993	35,000	3.6	126,000

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

1/ Does not include green chop or grazed.

1993 ARIZONA AGRICULTURAL STATISTICS**ALL HAY: Acreage, yield, and production, Arizona, by counties, 1989-93 1/**

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Tons</u>	<u>Tons</u>		<u>Acres</u>	<u>Tons</u>	<u>Tons</u>
<u>APACHE</u>				<u>COCHISE</u>			
1989	4,200	3.0	12,800	1989	7,300	5.2	38,100
1990	4,200	2.9	12,000	1990	7,600	4.9	37,000
1991	3,000	2.8	8,500	1991	7,600	3.8	29,000
1992	2,700	3.7	10,000	1992	6,700	4.3	28,500
1993	3,000	2.7	8,000	1993	5,600	5.5	31,000
<u>COCONINO</u>				<u>GILA</u>			
1989	*			1989	*		
1990	*			1990	700	2.1	1,500
1991	*			1991	700	2.1	1,500
1992	*			1992	*		
1993	1,100	4.5	5,000	1993	1,000	4.0	4,000
<u>GRAHAM</u>				<u>GREENLEE</u>			
1989	4,300	5.2	22,400	1989	700	3.9	2,700
1990	4,500	5.8	26,000	1990	700	5.7	4,000
1991	4,500	5.8	26,000	1991	700	5.7	4,000
1992	4,000	5.1	20,500	1992	600	5.0	3,000
1993	2,500	5.6	14,000	1993	800	5.6	4,500
<u>LA PAZ</u>				<u>MARICOPA</u>			
1989	41,700	7.3	305,000	1989	52,600	7.2	379,000
1990	46,000	8.0	370,000	1990	53,000	7.0	372,000
1991	49,000	7.6	372,000	1991	54,600	7.6	417,000
1992	43,500	7.2	312,000	1992	48,600	7.0	338,000
1993	47,500	7.1	338,000	1993	48,500	7.0	340,000
<u>MOHAVE</u>				<u>NAVAJO</u>			
1989	7,300	7.8	56,900	1989	*		
1990	8,500	7.4	63,000	1990	*		
1991	8,800	6.7	58,600	1991	*		
1992	7,800	5.9	46,000	1992	*		
1993	7,400	6.4	47,000	1993	2,200	3.9	8,500
<u>PIMA</u>				<u>PINAL</u>			
1989	*			1989	12,100	7.7	93,000
1990	2,300	7.6	17,500	1990	12,000	8.3	99,000
1991	2,300	7.8	18,000	1991	13,100	7.5	98,000
1992	2,100	5.5	11,500	1992	12,100	7.1	86,000
1993	3,500	8.6	30,000	1993	15,500	7.2	111,000
<u>SANTA CRUZ</u>				<u>YAVAPAI</u>			
1989	*			1989	4,700	3.4	16,000
1990	*			1990	3,500	3.6	12,500
1991	*			1991	3,200	4.7	14,900
1992	*			1992	2,900	5.0	14,500
1993	700	5.0	3,500	1993	2,700	5.0	13,500
<u>YUMA</u>				<u>ARIZONA</u>			
1989	43,600	7.5	328,000	1989	185,000	6.92	1,280,000
1990	48,000	8.2	394,500	1990	195,000	7.29	1,421,000
1991	48,500	7.5	364,000	1991	200,000	7.13	1,426,000
1992	44,500	7.6	339,000	1992	180,000	6.80	1,224,000
1993	43,000	6.5	278,000	1993	185,000	6.68	1,236,000

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

1/ Does not include green chop or grazed.

ALL HAY: Acreage, yield, production, price, and value, Arizona, 1989-93 1/

Year	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	<u>Acres</u>	<u>Tons</u>	<u>Tons</u>	<u>Dol. per ton</u>	<u>1,000 dol.</u>
1989	185,000	6.92	1,280,000	98.50	126,080
1990	195,000	7.29	1,421,000	96.00	135,439
1991	200,000	7.13	1,426,000	70.50	100,651
1992	180,000	6.80	1,224,000	63.00	76,886
1993	185,000	6.68	1,236,000	92.00	113,712

1/ Does not include green chop or grazed.

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

ALL HAY: Farm marketings, Arizona, 1988/89-1992/93

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
	<u>Percent</u>											
1988/89	15	15	10	13	10	7	6	7	3	2	3	9
1989/90	14	17	9	12	9	6	7	7	4	3	4	8
1990/91	13	15	13	13	6	4	5	7	5	5	5	9
1991/92	16	11	18	11	9	7	4	8	5	2	4	5
1992/93	5	13	12	13	12	8	6	7	8	9	7	0

ALL HAY: Monthly and marketing year average prices received by growers, Arizona, 1989/90-1993/94 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
	<u>Dollars per ton</u>												
1989/90	119.00	96.00	86.00	78.00	84.00	86.00	94.00	105.00	108.00	108.00	116.00	118.00	98.50
1990/91	120.00	99.00	87.00	86.00	81.00	88.00	88.00	98.00	104.00	89.00	94.00	103.00	96.00
1991/92	84.00	81.00	71.00	57.00	64.00	54.00	58.00	67.00	77.00	68.00	86.00	66.00	70.50
1992/93	82.00	70.00	61.00	47.00	56.00	52.00	51.00	63.00	76.00	74.00	76.00	85.00	63.50
1993/94	100.00	95.00	76.00	80.00	78.00	82.00	90.00	99.00	109.00	120.00	112.00	111.00	92.00

1/ Does not include green chop or grazed.

ALFALFA HAY: Monthly prices received by growers, Arizona, 1989/90-1993/94 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
	<u>Dollars per ton</u>												
1989/90	120.00	98.00	90.00	83.00	85.00	90.00	99.00	109.00	110.00	110.00	120.00	121.00	102.00
1990/91	120.00	99.00	87.00	86.00	81.00	89.00	88.00	98.00	105.00	90.00	95.00	106.00	97.00
1991/92	84.00	82.00	73.00	57.00	63.00	52.00	58.00	67.00	68.00	68.00	86.00	64.00	70.50
1992/93	84.00	71.00	63.00	46.00	56.00	49.00	51.00	63.00	76.00	74.00	75.00	85.00	64.00
1993/94	101.00	91.00	79.00	79.00	78.00	82.00	90.00	99.00	109.00	120.00	112.00	111.00	93.00

1/ Does not include green chop or grazed.

OTHER HAY: Monthly prices received by growers, Arizona 1989/90-1993/94 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
	<u>Dollars per ton</u>												
1989/90	75.00	75.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00
1990/91	--	--	--	78.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	60.00	76.50
1991/92	65.00	55.00	64.00	55.00	96.00	78.00	78.00	67.00	103.00	--	80.00	71.00	71.50
1992/93	51.00	60.00	52.00	54.00	55.00	63.00	58.00	58.00	68.00	68.00	86.00	100.00	57.50
1993/94	91.00	114.00	55.00	82.00	82.00	85.00	--	--	--	--	--	--	84.50

1/ Does not include green chop or grazed.

1993 ARIZONA AGRICULTURAL STATISTICS

OTHER FIELD CROPS Acreage, production, and value, Arizona 1989-93

Crop	Year	Harvested	Unit	Production	Value of production
		Acres		1,000	1,000 dol.
DRY BEANS	1989	1,750	Cwt.	44	1,553
	1990	5,000		80	1,600
	1991	2,500		55	770
	1992	3,300		56	1,460
	1993	1,500		33	990
GUAR	1989	0	Lb.		
	1990	0			
	1991	2,700		4,050	405
	1992	2,700		4,050	405
	1993	2,500		3,750	375
JOJOBA	1989	9,000	Lb.	1,503	3,006
	1990	9,000		2,250	7,875
	1991	10,000		2,500	5,625
	1992	10,000		2,250	4,500
	1993	10,000		2,000	1,200
X OATS FOR GRAIN	1989	2,500	Lb.	8,750	525
	1990	900		3,370	169
	1991	550		2,200	154
	1992	550		2,200	154
	1993	250 3,000		750	53
PEANUTS	1989	625	Lb.	900	519
	1990	687		879	558
	1991	526		893	241
	1992	550		1,265	342
	1993	850		2,975	925
POPCORN	1989	200	Lb.	800	80
	1990	0			
	1991	15		60	9
	1992	20		80	12
	1993	0			
SAFFLOWER	1989	700	Ton	.7	217
	1990	1,000		.8	155
	1991	1/			
	1992	4,500		5.5	702
	1993	17,200		21.5	6,450
SESAME	1989	1,400	Lb.	2,100	525
	1990	2,000		2,116	635
	1991	1,200		1,020	306
	1992	1,200		1,020	306
	1993	1,000		1,000	300
SORGHUM	1989	3,000	Ton	6.7	672
	1990	1,000		1.7	193
	1991	1,500		3.0	330
	1992	1,500		3.0	396
	1993	1,500		3.0	420
SORGHUM SILAGE	1989	3,000	Ton	60	1,080
	1990	1,000		20	380
	1991	3,000		75	750
	1992	3,000		75	1,800
	1993	3,000		75	1,800

1/ Not available.

Source: Statistics developed with the assistance of the Arizona Cooperative Extension Service and growers and dealers.

OFF FARM GRAIN STOCKS: Arizona, quarterly, 1989-94 1/

Quarter	1989	1990	1991	1992	1993	1994
Tons 2/						
<u>WHEAT</u>						
March 1	41,700	43,620	37,140	38,250	29,220	23,640
June 1 3/	17,940	22,650	27,900	15,660	*	
September 1	50,730	57,150	107,790	68,400	*	
December 1	50,250	56,970	73,440	60,750	*	
<u>CORN</u>						
March 1	20,720	21,420	20,920	14,920	29,150	8,370
June 1	16,860	12,660	7,450	13,830	14,030	
September 1 3/	*	*	1,150	11,200	*	
December 1	22,510	20,920	23,520	30,460	*	
<u>BARLEY</u>						
March 1	11,740	3,410	3,050	4,130	1,680	4,250
June 1 3/	2,540	1,800	2,020	1,100	*	
September 1	8,040	8,040	28,440	6,120	*	
December 1	5,040	5,260	11,830	1,900	*	
<u>SORGHUM</u>						
March 1		105,500	65,860	29,200	25,510	23,800
June 1	93,100	106,620	43,010	19,770	6,190	
September 1 3/	67,480	*	40,350	14,340	*	
December 1		80,530	42,390	25,000	*	

* Not published to avoid disclosure of individual operations.

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

2/ Converted from bushels and rounded.

3/ Includes old crop grain only.

GRAIN STOCKS: Off farm storage facilities December 1, Arizona, 1989-93

Year	Facilities 1/	Storage capacity
	Number	Tons
1989	36	734,250
1990	38	762,500
1991	36	638,500
1992	35	633,250
1993	35	633,250

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

ON FARM HAY STOCKS: Arizona, 1989-94

Month	1989	1990	1991	1992	1993	1994
Tons						
May 1 1/	27,000	26,000	71,000	71,000	37,000	25,000
December 1	115,000	213,000	171,000	269,000	124,000	

1/ Includes old crop only.

VEGETABLES, MELONS AND POTATOES

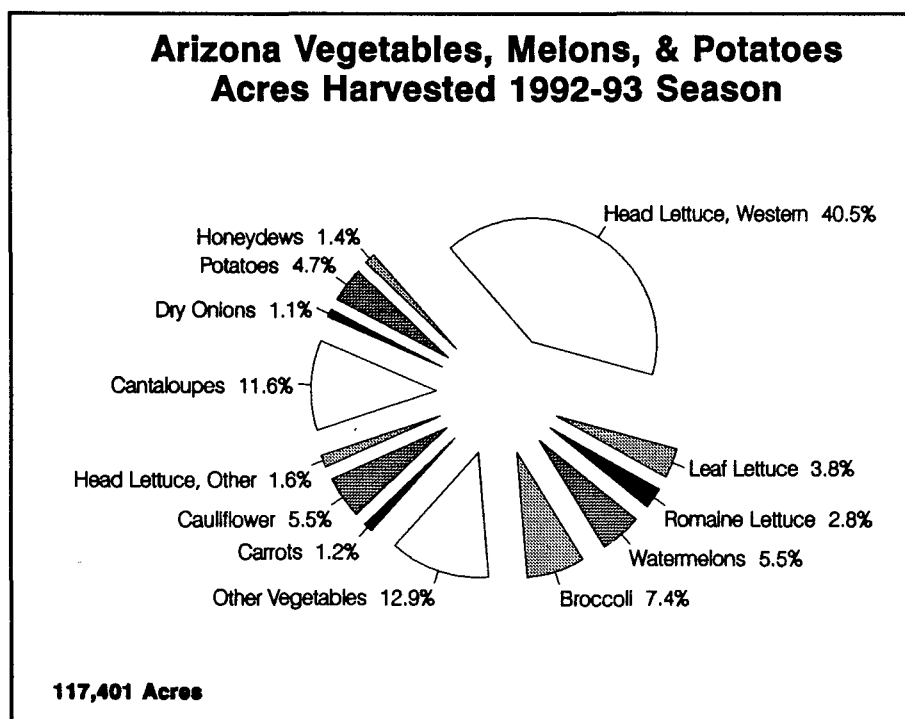
Throughout the year, somewhere in Arizona, the weather is ideal for some vegetable or melon crop to be grown. Add to the weather, the modern irrigation techniques, and a variety of vegetables and/or melons are available from Arizona throughout the year. Nationally, Arizona ranks second to California in the production of head, Romaine and leaf lettuce. Arizona also ranks third in honeydew production and fifth in watermelon production. Other principal crops include carrots, broccoli, potatoes, dry onions, cauliflower and cantaloupes.

Over 117,000 acres were devoted to vegetable crops during 1993, a drop of 2 percent from a year earlier. Western head lettuce lead with 47,500 acres planted and cantaloupes was second with 13,600 acres planted.

In spite of the reduction in vegetable acreage, the total value of all vegetables, melons and potatoes produced in Arizona during 1993 totaled \$422.1 million, an increase of 35 percent over that of the previous year. The vegetable market is a prime example of supply and demand at work. One needs only to track the ups and downs of the monthly prices and the annual average prices to realize the skill and sometimes luck needed to market a crop profitably.

Head lettuce continued as the most significant vegetable crop produced in Arizona accounting for 46 percent of the total value of all vegetables. Melons, primarily cantaloupe, honeydews and watermelons were again second to lettuce in production and total value.

"Miscellaneous" and "other" vegetables were harvested from over 15,000 acres, with a value of production estimated at \$27.4 million, 6 percent of the total value of all vegetables produced in Arizona. The most significant among these were cabbage, chilies, greens, and spinach.



HEAD LETTUCE WESTERN: Acreage, yield, and production, Arizona, by counties, 1988/89-1992/93 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				YUMA			
1988/89	2,500	193	483	1988/89	42,000	269	11,310
1989/90	3,000	197	591	1989/90	43,100	270	11,626
1990/91	1,400	238	333	1990/91	43,600	323	14,067
1991/92	300	183	55	1991/92	45,600	286	13,027
1992/93	0			1992/93	47,500	275	13,063

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

HEAD LETTUCE WESTERN: Acreage, yield, production, price, and value, Arizona 1988/89-1992/93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt	1,000 dol.
1988/89	44,500	44,500	265	11,793	15.20	179,254
1989/90	46,100	46,100	265	12,217	7.33	89,551
1990/91	45,000	45,000	320	14,400	9.25	133,200
1991/92	45,900	45,900	285	13,082	9.80	128,204
1992/93	47,500	47,500	275	13,063	14.40	188,107

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

HEAD LETTUCE WESTERN: Monthly and season average prices received by growers, Arizona, 1988/89-1992/93

Crop year	November	December	January	February	March	April	Season average
	Dollars per cwt.						
1988/89	15.00	18.40	18.60	13.40	11.50	9.81	15.20
1989/90	6.50	6.08	9.67	6.56	7.31	6.72	7.33
1990/91	9.69	9.83	10.20	6.50	10.10	10.10	9.25
1991/92	14.70	9.54	7.50	6.96	13.10	--	9.80
1992/93	10.70	15.70	11.00	18.60	14.50	20.50	14.40

1993 ARIZONA AGRICULTURAL STATISTICS

HEAD LETTUCE OTHER, SPRING: Acreage, yield, and production, Arizona, by counties, 1989-93 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			
1989	630	211	133	1989	1,000	166	166
1990	300	287	86	1990	700	261	183
1991	500	390	195	1991	400	263	105
1992	700	89	62	1992	250	200	50
1993	600	158	95	1993	0	220	
PIMA				PINAL			
1989	450	216	97	1989	420	129	54
1990	450	171	77	1990	450	209	94
1991	370	324	120	1991	430	221	95
1992	350	274	96	1992	600	187	112
1993	200	170	34	1993	100	220	22

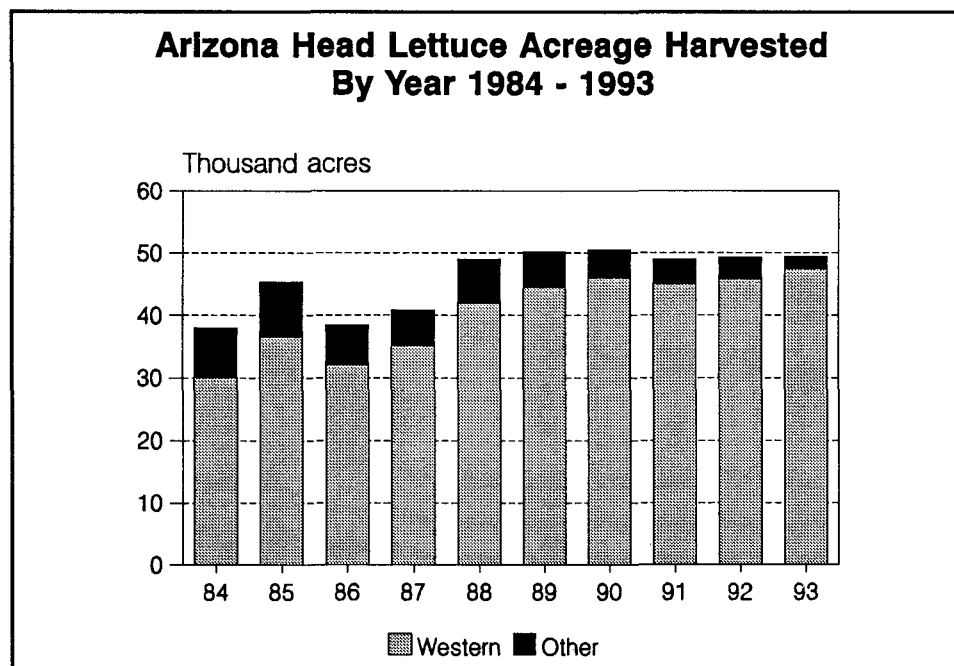
1/ "Head lettuce other" refers to lettuce produced in all areas of the State except Yuma and La Paz counties. Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization.

HEAD LETTUCE OTHER, SPRING: Acreage, yield, production, price and value, Arizona, 1989-93 1/

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1989	2,500	2,500	180	450	9.83	4,425
1990	1,900	1,900	232	440	7.50	3,300
1991	1,700	1,700	303	515	14.00	7,210
1992	1,900	1,900	168	320	8.71	2,787
1993	900	900	168	151	17.00	2,567

1/ "Head lettuce other" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.

2/ Average price for March through June Marketing season.



HEAD LETTUCE OTHER, FALL: Acreage, yield, and production, Arizona, by counties, 1989/90-1993/94 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1989/90	1,400	158	221	1989/90	1,400	153	214
1990/91	1,000	250	250	1990/91	650	100	65
1991/92	1,150	226	260	1991/92	300	250	75
1992/93	950	274	260	1992/93	250	220	55
1993/94	400	200	80	1993/94	200	190	38
PIMA				PINAL			
1989/90	700	176	123	1989/90	400	200	80
1990/91	400	120	48	1990/91	450	122	55
1991/92	350	200	70	1991/92	500	240	120
1992/93	300	37	11	1992/93	0		
1993/94	200	160	32	1993/94	200	160	32

1/ "Head lettuce other" refers to lettuce produced in all areas of the State except Yuma and La Paz counties. 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, 1989/90-1993/94 1/

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1989/90	3,900	3,900	164	638	11.10	7,108
1990/91	2,500	2,500	167	418	16.10	6,739
1991/92	2,300	2,300	228	525	16.80	8,806
1992/93	1,600	1,500	217	326	11.90	3,867
1993/94	1,000	1,000	182	182	9.13	1,662

1/ "Head lettuce other" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.

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

ALL HEAD LETTUCE OTHER: Acreage, yield, production, price, and value, Arizona, 1989/90-1993/94 1/

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1989/90	6,400	6,400	170	1,088	10.60	11,533
1990/91	4,400	4,400	195	858	11.70	10,039
1991/92	4,000	4,000	260	1,040	15.40	16,016
1992/93	3,500	3,400	190	646	10.30	6,654
1993/94	1,900	1,900	175	333	12.70	4,229

1/ "Head lettuce other" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.

2/ Average price for the March through June and October through January marketing seasons.

ALL HEAD LETTUCE OTHER: Monthly and season average prices received by growers, Arizona, 1989/90-1993/94

Crop year	Mar.	Apr.	May	June	Sept.	Oct.	Nov.	Dec.	Jan.	Season average
Dollars per cwt.										
1989/90	12.70	9.31	7.28	11.10	--	13.60	11.20	6.01	14.30	10.60
1990/91	8.39	7.54	6.73	6.00	--	18.20	17.90	10.30	--	11.70
1991/92	12.00	8.89	25.90	13.50	--	12.80	24.80	11.60	8.32	15.40
1992/93	9.67	7.88	11.20	6.09	--	12.10	9.95	17.30	--	10.30
1993/94	15.40	29.20	8.56	8.01	9.90	9.90	8.88	7.69	--	12.70

1993 ARIZONA AGRICULTURAL STATISTICS

LEAF LETTUCE: Acreage, yield, and production, Arizona, by counties, 1992-93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
MARICOPA				PINAL			
1992	350	103	36	1992	100	60	6
1993	200	200	40	1993	*		
YUMA							
1992	4,850	221	1,071				
1993	4,300	221	950				

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

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. County estimates began with the 1992 crop.

LEAF LETTUCE: Acreage, yield, production, price and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1989	2/	3,535	186	656	15.87	10,408
1990	2/	2,600	260	677	10.85	7,348
1991	2/	2,500	325	812	16.35	13,277
1992	5,300	5,300	210	1,113	24.50	27,269
1993	4,500	4,500	220	990	44.10	43,659

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

2/ Not available.

ROMAINE LETTUCE: Acreage, yield, and production, Arizona, by counties, 1992-1993 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
MARICOPA				YUMA			
1992	250	120	30	1992	2,650	262	695
1993	50	300	15	1993	3,250	290	942

1/ Acres and production developed with the assistance of Arizona Citrus, Fruit and Vegetable Standardization. County estimates began with the 1992 crop.

ROMAINE LETTUCE: Acreage, yield, production, price and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1989	2/	1,672	218	365	14.30	5,220
1990	2/	2,000	206	412	12.32	5,074
1991	2/	1,900	275	522	19.73	10,298
1992	2,900	2,900	250	725	14.20	10,295
1993	3,300	3,300	290	957	25.50	24,404

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

2/ Not available.

CAULIFLOWER: Acreage, yield, and production, Arizona, by counties, 1988/89-1992/93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
MARICOPA				PINAL			
1988/89	650	95	62	1988/89	850	67	57
1989/90	550	100	55	1989/90	50	140	7
1990/91	500	114	57	1990/91	100	50	5
1991/92	800	75	60	1991/92	0		
1992/93	700	71	50	1992/93	0		
YUMA							
1988/89	5,300	125	663				
1989/90	5,800	105	610				
1990/91	5,200	128	663				
1991/92	6,200	115	710				
1992/93	5,800	102	594				

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

CAULIFLOWER: Acreage, yield, production, price, and value, Arizona, 1988/89-1992/93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1988/89	6,800	6,800	115	782	28.10	21,974
1989/90	6,400	6,400	105	672	23.70	15,926
1990/91	5,800	5,800	125	725	31.10	22,548
1991/92	7,000	7,000	110	770	25.40	19,558
1992/93	6,500	6,500	99	644	32.50	20,930

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

BROCCOLI: Acreage, yield, and production, Arizona, by counties, 1988/89-1992/93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
MARICOPA				PINAL			
1988/89	1,650	81	134	1988/89	650	97	63
1989/90	1,400	129	181	1989/90	200	155	31
1990/91	1,700	81	138	1990/91	600	100	60
1991/92	2,400	83	200	1991/92	0		
1992/93	2,300	71	163	1992/93	50	80	4
YUMA							
1988/89	3,100	111	343				
1989/90	3,500	107	375				
1990/91	4,200	100	420				
1991/92	4,600	109	500				
1992/93	6,350	82	520				

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

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BROCCOLI: Acreage, yield, production, price and value, Arizona, 1988/89-1992/93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1988/89	5,400	5,400	100	540	20.60	11,124
1989/90	5,100	5,100	115	587	18.70	10,977
1990/91	6,500	6,500	95	618	24.40	15,079
1991/92	7,000	7,000	100	700	21.10	14,770
1992/93	8,700	8,700	79	687	31.30	21,503

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

1993 ARIZONA AGRICULTURAL STATISTICS

DRY ONIONS: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acre	Cwt.	1,000 cwt.		Acre	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1989	50	420	21	1989	150	220	33
1990	50	400	20	1990	200	410	82
1991	80	350	28	1991	220	400	88
1992	100	370	37	1992	200	390	78
1993	100	340	34	1993	200	355	71
MARICOPA				OTHER COUNTIES			
1989	900	436	392	1989	0		
1990	750	497	373	1990	0		
1991	600	542	325	1991	0		
1992	900	372	335	1992	0		
1993	850	569	484	1993	150	280	42

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

DRY ONIONS: Acreage, yield, production, price, and value, Arizona 1989-93 1/

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 2/	Value of production
	Acre		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1989	1,100	1,100	405	446	8.56	3,816
1990	1,000	1,000	475	475	10.50	5,006
1991	900	900	490	441	8.61	3,797
1992	1,300	1,200	375	450	9.82	4,418
1993	1,400	1,300	485	631	16.30	10,342

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, 1989-93 1/

Year	April	May	June	July	Season average
	Dollars per cwt.				
1989	--	8.50	8.97	19.20	8.56
1990	--	12.90	11.20	8.00	10.50
1991	--	11.70	8.11	8.09	8.61
1992	--	9.50	10.60	12.70	9.82
1993	--	21.40	11.00	11.00	16.30

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

CARROTS: Acreage, yield, and production, Arizona, by counties, 1988/89-1992/93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
MARICOPA				YUMA			
1988/89	1,400	170	238	1988/89	0		
1989/90	1,450	130	188	1989/90	50	140	7
1990/91	1,000	160	160	1990/91	0		
1991/92	1,300	143	186	1991/92	200	235	47
1992/93	1,100	196	216	1992/93	300	73	22

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

CARROTS: Acreage, yield, production, price, and value, Arizona, 1988/89-1992/93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1988/89	1,400	1,400	170	238	15.70	3,737
1989/90	1,500	1,500	130	195	9.73	1,897
1990/91	1,000	1,000	160	160	12.40	1,984
1991/92	1,500	1,500	155	233	14.00	3,262
1992/93	1,400	1,400	170	238	11.30	2,689

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

SPRING HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
LA PAZ				MARICOPA			
1989	600	168	101	1989	850	146	124
1990	550	209	115	1990	500	236	118
1991	700	143	100	1991	750	153	115
1992	900	169	152	1992	550	109	60
1993	550	258	142	1993	550	182	100
PINAL				YUMA			
1989	50	80	4	1989	100	160	16
1990	150	253	38	1990	300	40	12
1991	350	154	54	1991	300	53	16
1992	550	127	70	1992	100	180	18
1993	250	136	34	1993	50	180	9

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

SPRING HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1989	1,600	1,600	153	245	8.90	2,183
1990	1,500	1,500	189	283	24.90	7,060
1991	2,100	2,100	136	285	27.00	7,702
1992	2,200	2,100	143	300	13.40	4,010
1993	1,400	1,400	204	285	21.40	6,091

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

1993 ARIZONA AGRICULTURAL STATISTICS**FALL HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1989-93 1/**

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ			
1989	2/			1989	100	190	19
1990	0			1990	280	89	25
1991	0			1991	160	106	17
1992	0			1992	150	100	15
1993	2/			1993	0		
MARICOPA				PINAL			
1989	300	183	55	1989	0		
1990	270	159	43	1990	270	141	38
1991	360	181	65	1991	300	60	18
1992	100	210	21	1992	150	93	14
1993	200	95	19	1993	2/		
YUMA							
1989	100	170	17				
1990	80	238	19				
1991	80	630	5				
1992	0						
1993	0						

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.

FALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1989	500	500	182	91	20.30	1,849
1990	1,100	900	139	125	23.80	2,977
1991	1,100	900	117	105	11.70	1,229
1992	600	400	125	50	19.90	995
1993	200	200	95	19	25.00	475

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

ALL HONEYDEWS: Acreage, yield, production price, and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1989	2,100	2,100	160	336	12.00	4,032
1990	2,600	2,400	170	408	24.60	10,037
1991	3,200	3,000	130	390	22.90	8,931
1992	2,800	2,500	140	350	14.30	5,005
1993	1,600	1,600	190	304	21.60	6,566

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

ALL HONEYDEWS: Monthly and season average prices received by growers, Arizona, 1989-93

Crop year	May	June	July	August	September	October	November	Season average
	Dollars per cwt.							
1989	--	9.41	10.30	--	--	23.00	19.50	12.00
1990	--	29.00	20.90	10.20	11.20	25.90	25.20	24.60
1991	--	44.40	31.50	10.70	11.10	11.70	11.90	22.90
1992	17.50	14.20	10.30	--	--	19.90	19.90	14.30
1993	14.50	25.30	18.50	--	25.00	25.00	25.00	21.60

WATERMELONS: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
COCHISE				LA PAZ			
1989	50	160	8	1989	350	286	100
1990	50	180	9	1990	0		
1991	0			1991	250	200	50
1992	100	100	10	1992	250	156	39
1993	350	171	60	1993	300	250	75
MARICOPA				PINAL			
1989	2,700	384	1,036	1989	900	391	352
1990	2,750	346	951	1990	1,300	429	558
1991	4,000	269	1,075	1991	1,700	260	442
1992	3,500	264	925	1992	2,250	285	642
1993	3,100	281	870	1993	1,750	349	610
YUMA							
1989	1,200	400	480				
1990	500	460	230				
1991	550	300	165				
1992	500	332	166				
1993	1,000	400	400				

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.

WATERMELONS: Acreage, yield, production, price, and value, Arizona, 1989-93 1/

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 2/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1989	5,200	5,200	380	1,976	4.70	9,287
1990	5,000	4,600	380	1,748	6.95	12,151
1991	6,500	6,500	266	1,732	6.84	11,844
1992	6,600	6,600	270	1,782	4.87	8,678
1993	6,500	6,500	310	2,015	7.29	14,689

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.

1993 ARIZONA AGRICULTURAL STATISTICS

SPRING CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

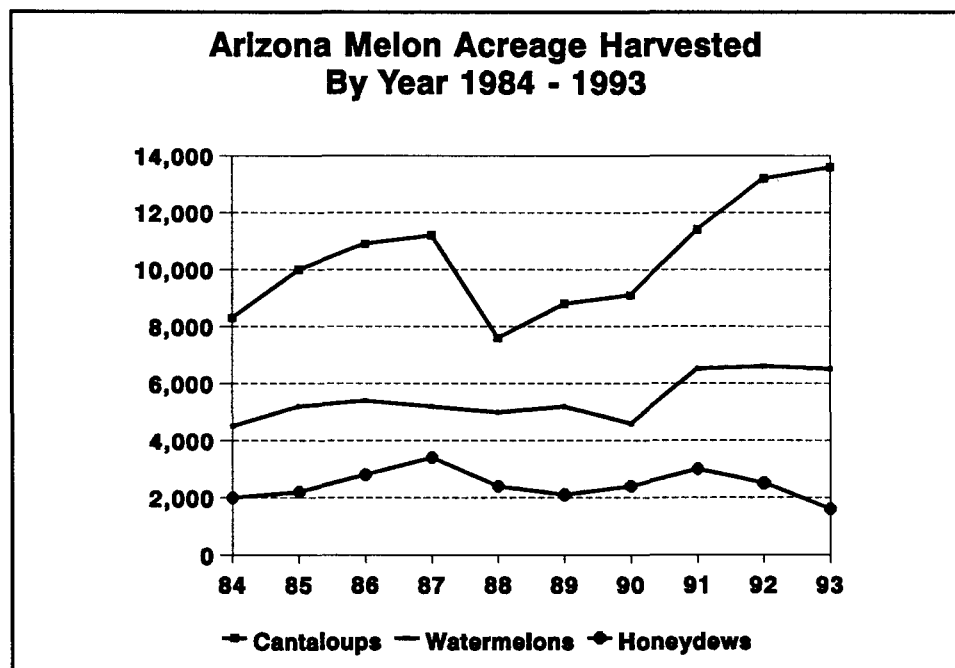
County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
LA PAZ				MARICOPA			
1989	500	68	34	1989	4,800	169	811
1990	500	220	110	1990	5,200	138	717
1991	650	186	121	1991	4,850	181	879
1992	1,150	183	210	1992	6,650	214	1,425
1993	1,200	220	264	1993	6,300	282	1,775
PINAL				YUMA			
1989	500	130	65	1989	500	100	50
1990	550	124	68	1990	650	117	76
1991	700	163	114	1991	2,000	106	211
1992	250	228	57	1992	1,950	158	308
1993	100	150	15	1993	700	117	82

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

SPRING CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of Production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1989	6,300	6,300	152	960	7.90	7,584
1990	6,900	6,900	141	971	20.40	19,808
1991	8,200	8,200	162	1,325	16.00	21,200
1992	10,600	10,000	200	2,000	12.60	25,200
1993	8,300	8,300	257	2,136	16.60	35,442

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



FALL CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

County and crop year	Harvested	Yield per acre	Production	County and crop year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
COCHISE				LA PAZ			
1989	0			1989	50	160	8
1990	0			1990	0		
1991	0			1991	0		
1992	0			1992	0		
1993	*			1993	0		
MARICOPA				PINAL			
1989	2,100	200	420	1989	0		
1990	1,550	254	394	1990	200	80	16
1991	2,900	157	456	1991	300	147	44
1992	2,450	131	320	1992	100	80	8
1993	5,150	97	501	1993	150	100	15
YUMA							
1989	350	183	64				
1990	450	67	30				
1991	0						
1992	650	74	48				
1993	0						

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

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

FALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1989	2,500	2,500	197	492	16.40	8,069
1990	2,400	2,200	200	440	16.00	7,040
1991	3,500	3,200	156	500	25.00	12,500
1992	3,400	3,200	118	376	34.70	13,054
1993	5,300	5,300	97	516	19.20	9,907

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

ALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. per cwt.</u>	<u>1,000 dol.</u>
1989	8,800	8,800	165	1,452	10.80	15,653
1990	9,300	9,100	155	1,411	19.00	26,848
1991	11,700	11,400	160	1,825	18.50	33,700
1992	14,000	13,200	180	2,376	16.10	38,254
1993	13,600	13,600	195	2,652	17.10	45,349

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

1993 ARIZONA AGRICULTURAL STATISTICS

POTATOES: Acreage, yield, and production, Arizona, by counties, 1989-93 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>		<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>
MARICOPA				PINAL			
1989	5,800	315	1,827	1989	0		
1990	5,500	280	1,540	1990	1,000	234	234
1991	4,700	287	1,350	1991	1,300	323	420
1992	5,100	288	1,470	1992	1,000	330	330
1993	4,100	282	1,155	1993	1,400	236	330
YUMA							
1989	0						
1990	400	50	20				
1991	0						
1992	0						
1993	0						

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

POTATOES: Acreage, yield, production, price, and value, Arizona, 1989-93

Crop year	Planted	Harvested	Yield per acre	Production	Season average price 1/	Value of production
	<u>Acres</u>		<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dol. Per cwt.</u>	<u>1,000 dol.</u>
1989	5,800	5,800	315	1,827	8.30	15,164
1990	6,900	6,900	260	1,794	8.50	15,249
1991	6,000	6,000	295	1,770	10.40	18,408
1992	6,400	6,100	295	1,800	6.20	11,160
1993	5,500	5,500	270	1,485	8.25	12,251

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

POTATOES: Monthly and season average prices received by growers, Arizona, 1989-93 1/

Year	April	May	June	July	Season average price 2/
1989	23.00	9.15	6.25	5.25	8.30
1990	19.60	10.80	7.25	5.45	8.50
1991	35.10	12.70	6.95	6.20	10.40
1992	13.30	6.65	5.40	5.70	6.20
1993	--	10.70	6.25	7.60	8.25

1/ Includes fresh market and processed potatoe prices.

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

OTHER VEGETABLES: Acres, production, and value, Arizona 1989-93

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
ASPARAGUS	1989	3,135	30 Lb. Carton	220,545	4,380
	1990	3,500		245,522	5,401
	1991	1,900		146,877	4,113
	1992	1,350		95,646	2,476
	1993	250		13,000	350
BEETS	1989	69	35 Lb. Carton	26,089	196
	1990	30		16,462	123
	1991	65		18,327	137
	1992	75		23,300	175
	1993	30		4,800	36
BOK CHOY	1989	215	25 Lb. Carton	106,345	527
	1990	90		41,641	206
	1991	160		87,733	434
	1992	165		87,200	436
	1993	250		100,000	500
CABBAGE	1989	1,468	50 Lb. Carton	614,150	3,194
	1990	960		720,949	4,672
	1991	1,700		849,240	3,737
	1992	3,500		1,200,000	5,880
	1993	1,500		756,000	4,007
CHILE PEPPERS	1991 3/	1,400	Ton	1,388	1,500
	1992	2,900			
GREEN 4/ RED				6,840	1,812
				4,691	5,199
GREEN 4/ RED	1993	2,600		10,600	2,605
				4,260	3,687
ENDIVE	1989	12	25 Lb. Carton	3,641	20
	1990	11		5,146	28
	1991	12		10,558	58
	1992	120		30,800	157
	1993	200		39,500	249
ESCAROLE	1989	6	50 Lb. Carton	2,229	25
	1990	6		4,140	46
	1991	6		5,517	61
	1992	50		14,550	148
	1993	170		26,500	334
GARLIC	1989	109	Ton	1,000	160
	1990	250		2,950	472
	1991	400		4,657	671
	1992	550		2,667	141
	1993	150		90	20
GREENS	1989	1,526	25 Lb. Carton	1,244,324	5,263
	1990	1,300		1,411,866	6,551
	1991	1,400		1,169,179	4,443
	1992	1,500		964,100	4,676
	1993	900		529,000	2,566
KALE	1989	163	25 Lb. Carton	144,006	690
	1990	190		135,446	650
	1991	240		128,611	592
	1992	400		160,600	972
	1993	100		77,500	465

See footnotes at end of table.

Continued--

1993 ARIZONA AGRICULTURAL STATISTICS

OTHER VEGETABLES: Acres, production, and value, Arizona, 1989-92--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		<u>Acres</u>			<u>1,000 dol.</u>
LETTUCE, BOSTON X	1989	490	35 Lb. Carton	282,990	1,599
	1990	400		295,905	1,237
	1991 5/				
	1992 5/				
	1993 5/				
NAPA	1989	181	40 Lb. Carton	115,278	344
	1990	100		73,539	221
	1991	180		102,280	307
	1992	225		101,650	305
	1993	200		86,500	260
ONIONS, GREEN	1989	448	18 Lb. Carton	334,091	1,493
	1990	400		234,556	1,304
	1991	310		378,039	2,847
	1992	250		417,250	793
	1993	260		196,000	960
PARSLEY	1989	76	21 Lb. Carton	76,795	313
	1990	100		66,667	273
	1991	76		54,166	222
	1992	100		54,650	224
	1993	60		41,700	171
PUMPKINS	1989	228	Ton	1,271	132
	1990	200		629	65
	1991	160		399	40
	1992	200		600	60
	1993	300		1,000	100
RADISHES X	1989	30	40 Lb. Carton	26,003	275
	1990	10		6,287	67
	1991	5		943	10
	1992 6/				
	1993 6/				
RAPINI	1989	318	25 Lb. Carton	66,490	377
	1990	120		45,564	260
	1991	140		49,698	283
	1992	160		77,900	444
	1993	160		47,000	268
SPINACH	1989	463	25 Lb. Carton	190,344	1,466
	1990	725		354,594	2,730
	1991	670		393,125	2,359
	1992	1,050		534,000	2,777
	1993	1,260		527,620	2,634
SQUASH	1989	723	24 Lb. Carton	197,911	1,835
	1990	370		157,961	1,469
	1991	510		91,539	851
	1992	520		8,000	74
	1993	1,100		158,467	427
SWEET CORN	1989	478	50 Lb. Carton	90,070	725
	1990	450		76,129	639
	1991	360		50,072	431
	1992	800		88,000	700
	1993	3,220		127,300	1,716

See footnotes at end of table.

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona 1989-93--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
TOMATOES, FIELD X	1989	1,225	Ton	25,236	1,673
	1990	200		6,049	401
	1991	650		22,185	1,435
	1992 6/				
	1993 6/				
TURNIPS	1989	232	25 Lb. Sack	60,902	473
	1990	100		136,479	1,058
	1991	150		121,098	939
	1992	155		100,000	780
	1993	150		40,800	318
MISCELLANEOUS VEGETABLES 7/	1989	2,285		8/	4,285
	1990	1,800		8/	6,083
	1991	2,045		8/	5,020
	1992	2,667		8/	7,456
	1993	2,241		8/	5,682

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/ Green tonnage is reported as actual weight.

4/ An 8:1 ratio used to convert green tonnage to a dry weight equivalent.

5/ Included with head lettuce.

6/ Included in Miscellaneous Vegetables.

7/ 1989 includes anise, artichokes, celantro, celery, chili peppers, cucumbers, Fava beans, leeks, Maza corn, miscellaneous melons, okra, snap beans, and Swiss chard; 1990 includes anise, artichokes, bell peppers, celantro, celery, chili peppers, cucumbers, Fava beans, leeks, miscellaneous melons, okra, snap beans, and Swiss chard; 1991 includes anise, artichokes, bell peppers, celantro, celery, cucumbers, Fava beans, leeks, Maza corn, miscellaneous melons, snap beans, and Swiss chard; 1992 includes anise, artichokes, bell peppers, broccoflower, celantro, celery, cucumbers, eggplant, Fava beans, leeks, Maza corn, miscellaneous melons, peas, radishes, snap beans, Swiss chard, and tomatoes; 1993 includes anise, artichokes, bell peppers, broccoflower, celantro, celery, cucumbers, Fava beans, leeks, Maza corn, miscellaneous melons, radishes, snap beans, and tomatoes.

8/ Not available due to the different units of production for these vegetables.

FRUIT AND NUTS

The 1992/93 citrus season was one that could best be forgotten by many Arizona producers. Nationally, supplies of citrus increased substantially causing prices to drop sharply. Florida produced its third largest orange crop in history. The California citrus industry recovered quickly from the December 1990 freeze. The Texas citrus industry also continued to recover from the devastating freezes of the 80's.

Arizona grapefruit and Valencia prices were the lowest since the 1982/83 season while lemon and tangerine prices were the lowest in 5 years. Each of these crops was smaller than that of a year earlier. Most notably, Valencia orange production was down 28 percent and grapefruit production 23 percent.

Utilized production of Arizona apples at 55.0 million pounds was down 25 percent from the crop of a year earlier. The reduced production combined with the poorest price in recent memory computed to a value of \$3,654,000, the lowest since 1989.

The 24,000 tons of grapes produced in Arizona was down 4 percent from the previous year. The total value of the crop, however, was up 45 percent thanks to much improved prices. Fresh market volume and tonnage pressed and dried were down.

The pecan production estimate for Arizona is combined with Kansas, Missouri and Tennessee. Production for these four states was up slightly from the previous year but, below the production of 2 years ago. The average price received for the four states, at \$1.09 per pound was down significantly from the \$1.45 received for the previous year's crop.

APPLES: Acreage, production, price and value, Arizona, 1989-93

Crop year	Bearing acreage	Utilization of production			Season average price	Value of production
		Fresh	Processed	Total		
	Acres		Mil. lbs.		Dol. per lb.	1,000 dol.
1989	4,400	12.8	21.2	34.0	.074	2,531
1990	4,000	11.0	50.0	61.0	.080	4,892
1991	4,000	14.9	41.1	56.0	.141	7,891
1992	4,500	7.3	65.7	73.0	.083	6,059
1993	4,400	4.0	51.0	55.0	.066	3,654

PECANS: Production, price and value, four states, 1989-93 1/

Crop year	Utilized production	Price per pound	Value of production
	1,000 lbs.	Dollars	1,000 dollars
1989	16,300	.810	13,199
1990	20,250	1.300	26,243
1991	20,700	1.290	26,638
1992	20,100	1.450	29,235
1993	20,500	1.090	22,303

1/ Four states include Arizona, Kansas, Missouri and Tennessee.

GRAPES: Acreage and variety, Arizona, by counties, 1989-93 1/

County and year	Table Varieties				Wine Varieties 3/	Total
	Flame Seedless	Perlette	Thompson Seedless	Other 2/		
Acres						
MARICOPA						
1989	825	755	1,010	75	0	2,665
1990	845	535	1,010	25	0	2,415
1991	770	560	930	10	0	2,270
1992	1,000	500	900	0	0	2,400
1993 4/	705	440	970	70	0	2,185
PINAL						
1989	980	275	695	30	0	1,980
1990	780	85	345	30	0	1,240
1991	855	85	320	30	0	1,290
1992	450	100	50	50	0	650
1993	475	85	60	35	0	655
YUMA						
1989	510	415	295	15	0	1,235
1990	520	415	295	15	0	1,245
1991	510	415	290	15	0	1,230
1992	450	400	300	0	0	1,150
1993	435	415	295	15	0	1,160
OTHER COUNTIES 5/						
1989	0	0	0	0	320	320
1990	0	0	0	0	200	200
1991	0	0	0	0	210	210
1992	0	0	0	0	300	300
1993	0	0	0	0	300	300
ARIZONA						
1989	2,315	1,445	2,000	120	320	6,200
1990	2,145	1,035	1,650	70	200	5,100
1991	2,135	1,060	1,545	50	210	5,000
1992	1,900	1,000	1,250	50	300	4,500
1993	1,615	940	1,325	120	300	4,300

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

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

3/ Wine varieties acreage 1989 is acres planted, 1990 through 1993 is bearing acres.

4/ Includes small acreage in Yavapai County to avoid disclosure of individual operations.

5/ Includes Cochise, Pima, Santa Cruz, and Yavapai counties.

GRAPES: Production, price, and value, Arizona 1989-93

Crop year	Total production	Utilized production	Season average price 1/	Value of utilized production
	<u>Tons</u>		<u>Dol. per ton</u>	
				<u>1,000 dol.</u>
1989	26,500	26,500	674.00	17,861
1990	26,000	26,000	870.00	22,616
1991	25,000	25,000	787.00	19,686
1992	25,000	25,000	500.00	12,488
1993	24,000	24,000	765.00	18,360

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

1993 ARIZONA AGRICULTURAL STATISTICS

GRAPEFRUIT: Acreage and production, by varieties, Arizona, by counties, 1988/89-1992/93

County and crop year	Harvested 1/			Utilization of Production		
	White	Red Blush	All	Fresh 2/	Processed 2/	Total
	Acres				1,000 carton 3/	
MARICOPA 4/						
1988/89	1,900	2,100	4,000	1,320	920	2,240
1989/90	1,800	2,000	3,800	1,595	825	2,420
1990/91	1,700	2,000	3,700	1,324	806	2,130
1991/92	1,700	1,850	3,550	2,084	1,060	3,144
1992/93	1,800	1,900	3,700	1,077	923	2,000
YUMA						
1988/89	250	2,250	2,500	1,350	310	1,660
1989/90	300	2,300	2,600	1,735	245	1,980
1990/91	250	2,250	2,500	2,060	610	2,670
1991/92	250	2,100	2,350	1,996	460	2,456
1992/93	200	2,000	2,200	1,751	549	2,300

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

2/ Production for all grapefruit.

3/ Net weight per carton, 32 pounds.

4/ Includes small acreage and production in Pinal County.

GRAPEFRUIT: Acreage, production, price, and value, Arizona, 1988/89-1992/93

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.
1988/89	6,500	2,670	1,230	3,900	2.21	8,626
1989/90	6,400	3,330	1,070	4,400	5.00	22,003
1990/91	6,200	3,384	1,416	4,800	3.34	16,005
1991/92	5,900	4,080	1,520	5,600	3.06	17,094
1992/93	5,900	2,828	1,472	4,300	1.38	5,933

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, 32 pounds.

GRAPEFRUIT: Season average price and equivalent returns by utilization, Arizona, 1988/89-1992/93

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1988/89	6.00	2.21	3.21	.05	1.38	2.38	-.79
1989/90	9.40	5.00	6.54	.21	4.14	5.68	-.66
1990/91	7.45	3.34	4.77	-.09	2.58	4.01	-.85
1991/92	6.60	3.06	4.05	.38	2.17	3.16	-.52
1992/93	5.10	1.38	2.15	-.10	.40	1.17	-1.09

1/ Net weight per carton, 32 pounds.

GRAPEFRUIT: Monthly prices and equivalent returns by utilization, Arizona, 1988/89-1992/93

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/							
1988/89							
Sept.	--	--	--	--	--	--	--
Oct.	7.00	3.73	4.21	.20	2.90	3.38	-.63
Nov.	5.40	2.04	2.61	-.07	1.21	1.78	-.90
Dec.	5.45	2.39	2.66	.03	1.56	1.83	-.80
Jan.	5.25	1.93	2.46	-.04	1.10	1.63	-.87
Feb.	5.05	1.70	2.26	.07	.87	1.43	-.76
Mar.	5.25	2.15	2.46	-.07	1.32	1.63	-.90
Apr.	5.75	2.08	2.96	-.07	1.25	2.13	-.90
May	6.25	2.18	3.46	.00	1.35	2.63	-.83
June	6.90	2.04	4.11	.14	1.21	3.28	-.69
July	--	.35	--	.35	-.48	--	-.48
Aug.	--	--	--	--	--	--	--
1989/90							
Sept.	9.25	6.24	6.39	-.13	5.38	5.53	-.99
Oct.	6.60	3.65	3.74	-.13	2.79	2.88	-.99
Nov.	5.70	2.64	2.84	.20	1.78	1.98	-.67
Dec.	5.85	2.77	2.99	-.06	1.91	2.13	-.92
Jan.	7.95	4.59	5.09	.08	3.73	4.23	-.79
Feb.	8.85	5.29	5.99	.24	4.43	5.13	-.63
Mar.	10.50	6.28	7.64	.04	5.41	6.78	-.83
Apr.	10.35	5.36	7.49	.14	4.49	6.63	-.73
May	10.10	4.14	7.24	.36	3.28	6.38	-.51
June	6.15	2.49	3.29	.34	1.62	2.43	-.53
July	--	--	--	--	--	--	--
Aug.	--	--	--	--	--	--	--
1990/91							
Sept.	--	--	--	--	--	--	--
Oct.	5.45	2.77	2.77	--	2.01	2.01	--
Nov.	6.15	3.32	3.47	-.10	2.56	2.71	-.86
Dec.	6.25	3.14	3.57	-.10	2.38	2.81	-.86
Jan.	6.95	3.81	4.27	-.10	3.05	3.51	-.86
Feb.	7.75	4.21	5.07	-.09	3.45	4.31	-.85
Mar.	8.00	4.67	5.32	-.10	3.91	4.56	-.86
Apr.	7.60	3.47	4.92	-.09	2.71	4.16	-.85
May	7.70	3.13	5.02	-.09	2.37	4.26	-.85
June	7.40	3.17	4.72	-.10	2.41	3.96	-.86
July	--	--	--	--	--	--	--
Aug.	--	--	--	--	--	--	--
1991/92							
Sept.	--	--	--	--	--	--	--
Oct.	--	--	--	--	--	--	--
Nov.	5.45	2.87	2.90	-.10	1.98	2.01	-.99
Dec.	5.55	2.89	3.00	-.10	2.00	2.11	-.99
Jan.	5.65	3.01	3.10	.02	2.12	2.21	-.88
Feb.	5.85	2.93	3.30	.07	2.05	2.41	-.83
Mar.	6.15	2.96	3.60	.39	2.07	2.71	-.51
Apr.	6.90	3.19	4.35	.37	2.30	3.46	-.53
May	7.10	3.14	4.55	.38	2.25	3.66	-.52
June	7.15	3.11	4.60	.45	2.22	3.71	-.45
July	6.90	2.65	4.35	.39	1.76	3.46	-.51
Aug.	--	--	--	--	--	--	--
1992/93							
Sept.	--	--	--	--	--	--	--
Oct.	7.75	4.70	4.80	.38	3.72	3.82	-.61
Nov.	5.45	2.44	2.50	-.06	1.46	1.52	-1.04
Dec.	5.55	2.42	2.60	-.09	1.43	1.62	-1.07
Jan.	5.55	2.51	2.60	-.11	1.52	1.62	-1.09
Feb.	5.50	2.27	2.55	-.12	1.29	1.57	-1.10
Mar.	4.92	1.65	1.97	-.12	.67	.98	-1.10
Apr.	5.15	1.74	2.20	-.12	.76	1.22	-1.10
May	4.39	.74	1.44	-.12	-.25	.46	-1.10
June	4.81	.92	1.86	-.10	-.07	.87	-1.08
July	5.35	1.13	2.40	-.10	.14	1.42	-1.08
Aug.	4.87	1.31	1.92	-.10	.33	.94	-1.08

1/ Net weight per carton, 32 pounds.

1993 ARIZONA AGRICULTURAL STATISTICS

LEMONS: Acreage and production, by varieties, Arizona, by counties, 1988/89-1992/93

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	<u>Acres</u>		<u>1,000 cartons 2/</u>	
MARICOPA 3/				
1988/89	1,500	310	120	430
1989/90	1,400	290	130	420
1990/91	1,400	140	80	220
1991/92	1,300	352	207	559
1992/93	1,500	298	254	552
YUMA				
1988/89	14,000	3,650	3,520	7,170
1989/90	14,100	3,238	1,942	5,180
1990/91	14,000	4,680	3,300	7,980
1991/92	14,400	5,564	4,077	9,641
1992/93	14,800	4,928	3,320	8,248

1/ Acres harvested from Lemon Administrative Committee.

2/ Net weight per carton, 38 pounds.

3/ Includes small acreage and production in Pinal County.

LEMONS: Acreage, production, price, and value, Arizona, 1988/89-1992/93

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	<u>Acres</u>	<u>1,000 cartons 3/</u>			<u>Dol. per ctn.</u>	<u>1,000 dol.</u>
1988/89	15,500	3,960	3,640	7,600	4.53	34,431
1989/90	15,500	3,528	2,072	5,600	7.12	39,846
1990/91	15,400	4,820	3,380	8,200	5.77	47,302
1991/92	15,700	5,916	4,284	10,200	6.60	67,299
1992/93	16,300	5,226	3,574	8,800	4.39	38,570

1/ Acres harvested from Lemon Administrative Committee.

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

3/ Net weight per carton, 38 pounds.

10,1900

LEMONS: Season average price and equivalent returns by utilization, Arizona, 1988/89-1992/93

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1988/89	11.50	4.53	7.84	.93	3.03	6.34	-.58
1989/90	14.15	7.12	10.48	1.40	5.61	8.97	-.12
1990/91	12.95	5.77	8.86	1.36	4.11	7.20	-.30
1991/92	14.65	6.60	10.74	.89	4.87	9.01	-.85
1992/93	10.65	4.39	6.70	1.00	2.64	4.96	-.75

1/ Net weight per carton, 38 pounds.

LEMONS: Monthly prices and equivalent returns by utilization, Arizona, 1988/89-1992/93

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/							
1988/89							
Aug.	--	--	--	--	--	--	--
Sept.	15.00	7.70	11.34	.42	6.20	9.84	-1.09
Oct.	12.70	5.94	9.04	.42	4.43	7.54	-1.09
Nov.	10.75	4.52	7.09	1.11	3.01	5.59	-.40
Dec.	10.05	3.60	6.39	1.13	2.09	4.89	-.38
Jan.	10.20	3.06	6.54	1.03	1.55	5.04	-.48
Feb.	11.60	2.34	7.94	1.03	.83	6.44	-.48
Mar.	11.65	3.79	7.99	1.05	2.28	6.49	-.46
Apr.	--	--	--	--	--	--	--
1989/90							
Aug.	--	--	--	--	--	--	--
Sept.	17.40	10.96	13.73	1.15	9.45	12.22	-.36
Oct.	16.45	9.87	12.78	1.15	8.36	11.27	-.36
Nov.	13.30	6.62	9.63	1.28	5.11	8.12	-.23
Dec.	11.60	4.84	7.93	1.49	3.33	6.42	-.02
Jan.	11.20	4.81	7.53	1.63	3.30	6.02	.12
Feb.	12.80	4.62	9.13	1.70	3.11	7.62	.19
Mar.	--	--	--	--	--	--	--
Apr.	--	--	--	--	--	--	--
1990/91							
Aug.	--	--	--	--	--	--	--
Sept.	15.75	9.20	11.66	1.81	7.54	10.00	.15
Oct.	14.20	7.79	10.11	1.81	6.13	8.45	.15
Nov.	10.10	4.22	6.01	1.64	2.56	4.35	-.02
Dec.	9.75	3.29	5.66	1.19	1.63	4.00	-.47
Jan.	16.50	6.84	12.41	1.02	5.18	10.75	-.64
Feb.	14.25	5.87	10.16	1.02	4.21	8.50	-.64
Mar.	13.95	7.71	9.86	1.02	6.05	8.20	-.64
Apr.	--	--	--	--	--	--	--
1991/92							
Aug.	--	--	--	--	--	--	--
Sept.	21.85	16.41	17.94	.98	14.68	16.21	-.75
Oct.	18.95	12.78	15.04	.98	11.05	13.31	-.75
Nov.	15.75	8.32	11.84	.84	6.59	10.11	-.89
Dec.	11.60	4.69	7.69	.88	2.96	5.96	-.85
Jan.	11.50	3.98	7.59	.91	2.25	5.86	-.82
Feb.	10.10	2.90	6.19	.88	1.17	4.46	-.85
Mar.	10.30	2.66	6.39	.84	.93	4.66	-.89
Apr.	10.45	2.63	6.54	.84	.90	4.81	-.89
1992/93							
Aug.	16.25	10.87	12.30	.88	9.13	10.56	-.87
Sept.	14.20	8.48	10.25	.88	6.73	8.51	-.87
Oct.	10.40	5.06	6.45	.88	3.31	4.71	-.87
Nov.	8.80	3.44	4.85	1.02	1.69	3.11	-.73
Dec.	9.80	3.48	5.85	1.02	1.74	4.11	-.73
Jan.	10.15	3.41	6.20	1.02	1.66	4.46	-.73
Feb.	9.65	3.03	5.70	1.02	1.28	3.96	-.73
Mar.	9.75	2.65	5.80	1.02	.90	4.06	-.73
Apr.	9.65	2.93	5.70	1.02	1.19	3.96	-.73

1/ Net weight per carton, 38 pounds.

1993 ARIZONA AGRICULTURAL STATISTICS

VALENCIA ORANGES: Acreage and production, by varieties, Arizona, by counties, 19 9-1992 93

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	<u>Acres</u>	<u>1,000 cartons 2/</u>		
MARICOPA 3/				
1988/89	2,500	590	410	1,000
1989/90	2,100	520	542	1,062
1990/91	2,200	572	344	916
1991/92	2,300	807	547	1,354
1992/93	2,600	751	284	1,035
YUMA				
1988/89	4,000	840	460	1,300
1989/90	3,700	1,096	282	1,378
1990/91	3,500	1,290	194	1,484
1991/92	3,300	1,449	397	1,846
1992/93	3,000	1,079	186	1,265

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, 1988/89-1992/93

Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	<u>Acres</u>	<u>1,000 cartons 3/</u>			<u>Dol. per ctn.</u>	<u>1,000 dol.</u>
1988/89	6,500	1,430	870	2,300	3.57	8,213
1989/90	5,800	1,616	824	2,440	3.88	9,467
1990/91	5,700	1,862	538	2,400	10.11	24,250
1991/92	5,600	2,256	944	3,200	2.32	7,420
1992/93	5,600	1,830	470	2,300	1.72	3,939

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, 1988/89-1992/93

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1988/89	7.60	3.57	4.88	1.42	2.67	3.98	.52
1989/90	7.55	3.88	4.77	2.15	2.91	3.79	1.17
1990/91	15.75	10.11	12.88	.52	8.99	11.76	-.60
1991/92	6.00	2.32	2.99	.72	1.28	1.95	-.33
1992/93	5.25	1.72	2.20	-.19	.64	1.13	-1.26

1/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1988/89-1992/93

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/							
1988/89							
Feb.	8.60	4.31	5.88	.87	3.41	4.98	-.03
Mar.	8.30	4.56	5.58	.97	3.66	4.68	.07
Apr.	6.80	2.85	4.08	1.22	1.95	3.18	.32
May	6.75	2.89	4.03	1.44	1.99	3.13	.54
June	8.40	4.06	5.68	2.08	3.16	4.78	1.18
July	8.55	4.00	5.83	2.17	3.10	4.93	1.27
1989/90							
Feb.	8.95	5.28	6.17	1.93	4.31	5.19	.95
Mar.	7.95	4.30	5.17	2.07	3.32	4.19	1.09
Apr.	7.35	3.82	4.57	2.07	2.85	3.59	1.09
May	7.60	3.87	4.82	2.20	2.90	3.84	1.22
June	6.95	3.28	4.17	2.20	2.31	3.19	1.22
July	4.74	2.01	1.96	2.30	1.04	.98	1.32
1990/91							
Feb.	13.80	8.21	10.93	.54	7.09	9.81	-.58
Mar.	16.75	11.34	13.88	.54	10.23	12.76	-.58
Apr.	14.45	8.69	11.58	.44	7.58	10.46	-.68
May	16.80	10.83	13.93	.64	9.71	12.81	-.48
June	11.15	4.41	8.28	.54	3.30	7.16	-.58
July	--	--	--	--	--	--	--
1991/92							
Feb.	--	--	--	--	--	--	--
Mar.	6.25	2.80	3.24	.91	1.75	2.20	-.14
Apr.	6.30	2.69	3.29	.70	1.65	2.25	-.35
May	5.85	2.16	2.84	.70	1.11	1.80	-.35
June	5.55	1.82	2.54	.70	.78	1.50	-.35
July	5.25	1.40	2.24	.60	.36	1.20	-.45
1992/93							
Feb.	5.40	1.82	2.35	-.23	.74	1.28	-1.31
Mar.	5.40	1.89	2.35	-.23	.81	1.28	-1.31
Apr.	5.40	1.68	2.35	-.23	.61	1.28	-1.31
May	5.05	1.64	2.00	-.12	.57	.93	-1.20
June	4.90	1.57	1.85	.07	.49	.78	-1.01
July	1.56	-.81	-1.49	.07	-1.89	-2.57	-1.01

1/ Net weight per carton, 37.5 pounds.

1993 ARIZONA AGRICULTURAL STATISTICS

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage and production, by varieties, Arizona, by counties, 1988/89-1992/93

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	<u>Acres</u>		<u>1,000 cartons 2/</u>	
MARICOPA 3/				
1988/89	3,570	950	90	1,040
1989/90	4,080	652	68	720
1990/91	3,910	904	116	1,020
1991/92	4,300	1,233	192	1,425
1992/93	4,600	1,080	233	1,313
YUMA				
1988/89	330	50	10	60
1989/90	320	50	10	60
1990/91	290	70	10	80
1991/92	500	123	12	135
1992/93	400	82	5	87

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, 1988/89-1992/93

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.
1988/89	3,900	1,000	100	1,100	5.94	6,529
1989/90	4,400	702	78	780	5.38	4,197
1990/91	4,200	974	126	1,100	6.82	7,497
1991/92	4,800	1,356	204	1,560	5.65	8,807
1992/93	5,000	1,162	238	1,400	3.78	5,294

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, 1988/89-1992/93

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1988/89	9.30	5.94	6.48	.49	5.10	5.65	-.35
1989/90	8.65	5.38	5.84	1.29	4.53	4.99	.44
1990/91	10.80	6.82	7.64	.45	5.93	6.75	-.45
1991/92	9.35	5.65	6.38	.80	4.74	5.47	-.12
1992/93	7.60	3.78	4.60	-.22	2.82	3.64	-1.18

1/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Monthly prices and equivalent returns by utilization, Arizona,
1988/89-1992/93

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/							
1988/89							
Oct.	10.60	7.78	7.78	--	6.95	6.95	--
Nov.	10.90	7.41	8.08	.71	6.58	7.25	-.13
Dec.	9.50	6.04	6.68	.36	5.20	5.85	-.48
Jan.	7.05	3.98	4.23	.49	3.14	3.40	-.35
Feb.	5.40	2.44	2.58	.67	1.61	1.75	-.17
Mar.	--	--	--	--	--	--	--
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
1989/90							
Oct.	--	--	--	--	--	--	--
Nov.	9.30	5.94	6.49	1.11	5.09	5.64	.26
Dec.	8.15	4.87	5.34	1.39	4.02	4.49	.54
Jan.	8.40	5.29	5.59	1.44	4.44	4.74	.59
Feb.	8.10	5.11	5.29	1.80	4.26	4.44	.95
Mar.	--	--	--	--	--	--	--
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
1990/91							
Oct.	--	--	--	--	--	--	--
Nov.	9.70	6.11	6.54	.45	5.22	5.65	-.45
Dec.	9.55	5.49	6.39	.45	4.60	5.50	-.45
Jan.	14.15	9.67	10.99	.45	8.78	10.10	-.45
Feb.	11.25	8.09	8.09	--	7.20	7.20	--
Mar.	--	--	--	--	--	--	--
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
1991/92							
Oct.	--	--	--	--	--	--	--
Nov.	11.30	7.80	8.33	.65	6.89	7.42	-.26
Dec.	9.90	6.59	6.93	.74	5.68	6.02	-.17
Jan.	9.20	5.73	6.23	.93	4.82	5.32	.02
Feb.	7.20	3.72	4.23	.93	2.81	3.32	.02
Mar.	6.15	2.43	3.18	.84	1.52	2.27	-.07
Apr.	6.00	1.08	3.03	.65	.17	2.12	-.26
May	--	.65	--	.65	-.26	--	-.26
1992/93							
Oct.	10.10	6.06	7.10	-.22	5.10	6.14	-1.18
Nov.	8.65	4.61	5.65	-.22	3.65	4.69	-1.18
Dec.	7.85	3.93	4.85	-.22	2.97	3.89	-1.18
Jan.	7.30	3.57	4.30	-.22	2.61	3.34	-1.18
Feb.	5.75	2.46	2.75	-.22	1.50	1.79	-1.18
Mar.	2.88	-.14	-.12	-.22	-1.10	-1.08	-1.18
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

1993 ARIZONA AGRICULTURAL STATISTICS

ALL ORANGES: Acreage and production, by varieties, Arizona, by counties, 1988/89-1992/93

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	<u>Acres</u>		<u>1,000 cartons 2/</u>	
MARICOPA 3/				
1988/89	6,070	1,540	500	2,040
1989/90	6,180	1,172	610	1,782
1990/91	6,110	1,476	460	1,936
1991/92	6,600	2,040	739	2,779
1992/93	7,200	1,831	517	2,348
YUMA				
1988/89	4,330	890	470	1,360
1989/90	4,020	1,146	292	1,438
1990/91	3,790	1,360	204	1,564
1991/92	3,800	1,572	409	1,981
1992/93	3,400	1,161	191	1,352

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, 1988/89-1992/93

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.
1988/89	10,400	2,430	970	3,400	4.34	14,742
1989/90	10,200	2,318	902	3,220	4.25	13,664
1990/91	9,900	2,836	664	3,500	9.07	31,747
1991/92	10,400	3,612	1,148	4,760	3.41	16,227
1992/93	10,600	2,992	708	3,700	2.50	9,233

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, 1988/89-1992/93

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1988/89	8.30	4.34	5.54	1.33	3.46	4.67	.43
1989/90	7.90	4.25	5.09	2.07	3.30	4.15	1.11
1990/91	14.05	9.07	11.08	.50	8.03	10.04	-.57
1991/92	7.25	3.41	4.26	.73	2.41	3.27	-.29
1992/93	6.15	2.50	3.13	-.20	1.47	2.10	-1.23

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1988/89-1992/93

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/							
1988/89							
Oct.	10.60	7.78	7.78	--	6.95	6.95	--
Nov.	10.90	7.41	8.08	.71	6.58	7.25	-.13
Dec.	9.50	6.04	6.68	.36	5.20	5.85	-.48
Jan.	7.05	3.98	4.23	.49	3.14	3.40	-.35
Feb.	6.95	3.49	4.20	.84	2.62	3.33	-.05
Mar.	8.30	4.56	5.58	.97	3.66	4.68	.07
Apr.	6.80	2.85	4.08	1.22	1.95	3.18	.32
May	6.75	2.89	4.03	1.44	1.99	3.13	.54
June	8.40	4.06	5.68	2.08	3.16	4.78	1.18
July	8.55	4.00	5.83	2.17	3.10	4.93	1.27
1989/90							
Oct.	--	--	--	--	--	--	--
Nov.	9.30	5.94	6.49	1.11	5.09	5.64	.26
Dec.	8.15	4.87	5.34	1.39	4.02	4.49	.54
Jan.	8.40	5.29	5.59	1.44	4.44	4.74	.59
Feb.	8.55	5.21	5.73	1.91	4.29	4.82	.95
Mar.	7.95	4.30	5.17	2.07	3.32	4.19	1.09
Apr.	7.35	3.82	4.57	2.07	2.85	3.59	1.09
May	7.60	3.87	4.82	2.20	2.90	3.84	1.22
June	6.95	3.28	4.17	2.20	2.31	3.19	1.22
July	4.74	2.01	1.96	2.30	1.04	.98	1.32
1990/91							
Oct.	--	--	--	--	--	--	--
Nov.	9.70	6.11	6.54	.45	5.22	5.65	-.45
Dec.	9.55	5.49	6.39	.45	4.60	5.50	-.45
Jan.	14.15	9.67	10.99	.45	8.78	10.10	-.45
Feb.	13.70	8.20	10.82	.54	7.10	9.71	-.58
Mar.	16.75	11.34	13.88	.54	10.23	12.76	-.58
Apr.	14.45	8.69	11.58	.44	7.58	10.46	-.68
May	16.80	10.83	13.93	.64	9.71	12.81	-.48
June	11.15	4.41	8.28	.54	3.30	7.16	-.58
July	--	--	--	--	--	--	--
1991/92							
Oct.	--	--	--	--	--	--	--
Nov.	11.30	7.80	8.33	.65	6.89	7.42	-.26
Dec.	9.90	6.59	6.93	.74	5.68	6.02	-.17
Jan.	9.20	5.73	6.23	.93	4.82	5.32	.02
Feb.	7.20	3.72	4.23	.93	2.81	3.32	.02
Mar.	6.25	2.74	3.23	.89	1.72	2.21	-.13
Apr.	6.30	2.61	3.29	.69	1.57	2.25	-.34
May	5.85	2.13	2.84	.69	1.09	1.80	-.35
June	5.55	1.82	2.54	.69	.78	1.50	-.35
July	5.25	1.40	2.24	.60	.36	1.20	-.45
1992/93							
Oct.	10.10	6.06	7.10	-.22	5.10	6.14	-1.18
Nov.	8.65	4.61	5.65	-.22	3.65	4.69	-1.18
Dec.	7.85	3.93	4.85	-.22	2.97	3.89	-1.18
Jan.	7.30	3.57	4.30	-.22	2.61	3.34	-1.18
Feb.	5.55	2.09	2.54	-.23	1.07	1.52	-1.27
Mar.	5.25	1.74	2.18	-.23	.68	1.11	-1.30
Apr.	5.40	1.68	2.35	-.23	.61	1.28	-1.31
May	5.05	1.64	2.00	-.12	.57	.93	-1.20
June	4.90	1.57	1.85	.07	.49	.78	-1.01
July	1.56	-.81	-1.49	.07	-1.89	2.57	-1.01

1/ Net weight per carton, 37.5 pounds.

1993 ARIZONA AGRICULTURAL STATISTICS

TANGERINES: Acreage and production, by varieties, Arizona, by counties, 1988/89-1992/93

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1988/89	1,900	680	170	850
1989/90	2,100	545	205	750
1990/91	2,000	554	121	675
1991/92	3,000	840	494	1,334
1992/93	2,800	606	339	945
YUMA				
1988/89	1,700	360	90	450
1989/90	1,900	375	75	450
1990/91	1,700	440	85	525
1991/92	2,000	920	146	1,066
1992/93	2,100	798	157	955

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, 1988/89-1992/93

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.
1988/89	3,600	1,040	260	1,300	7.65	9,936
1989/90	4,000	920	280	1,200	8.22	9,864
1990/91	3,700	994	206	1,200	9.48	11,367
1991/92	5,000	1,760	640	2,400	6.23	14,936
1992/93	4,900	1,404	496	1,900	6.18	11,745

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, 1988/89-1992/93

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
Dollars per carton 1/							
1988/89	12.10	7.65	9.42	.71	6.78	8.52	-.20
1989/90	13.10	8.22	10.32	1.34	7.25	9.34	.36
1990/91	14.25	9.48	11.38	.29	8.36	10.26	-.83
1991/92	11.30	6.23	8.29	.54	5.18	7.25	-.51
1992/93	11.50	6.18	8.45	-.24	5.11	7.38	-1.32

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Monthly prices and equivalent returns by utilization, Arizona, 1988/89-1992/93

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/							
1988/89							
Oct.	--	--	--	--	--	--	--
Nov.	10.75	6.10	8.03	.70	5.20	7.13	-.20
Dec.	12.65	8.66	9.93	.70	7.76	9.03	-.20
Jan.	13.75	9.16	11.03	.64	8.26	10.13	-.26
Feb.	10.55	6.92	7.83	.65	6.02	6.93	-.25
Mar.	10.55	4.88	7.83	.75	3.98	6.93	-.15
Apr.	4.86	2.14	2.14	--	1.24	1.24	--
May	--	--	--	--	--	--	--
1989/90							
Oct.	12.30	7.54	9.52	.63	6.57	8.54	-.35
Nov.	11.80	6.87	9.02	.89	5.90	8.04	-.09
Dec.	15.05	9.47	12.27	1.31	8.49	11.29	.33
Jan.	13.35	9.41	10.57	1.49	8.43	9.59	.51
Feb.	11.05	6.18	8.27	1.51	5.20	7.29	.53
Mar.	10.45	5.40	7.67	1.63	4.43	6.69	.65
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
1990/91							
Oct.	--	--	--	--	--	--	--
Nov.	11.75	7.13	8.88	.29	6.01	7.76	-.83
Dec.	13.95	9.97	11.08	.29	8.86	9.96	-.83
Jan.	15.35	10.55	12.48	.29	9.43	11.36	-.83
Feb.	13.30	7.78	10.43	.29	6.67	9.31	-.83
Mar.	16.00	10.99	13.13	.29	9.87	12.01	-.83
Apr.	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--
1991/92							
Oct.	--	--	--	--	--	--	--
Nov.	12.25	7.77	9.24	.43	6.73	8.20	-.62
Dec.	12.70	8.57	9.69	.51	7.52	8.65	-.54
Jan.	12.60	8.07	9.59	.66	7.03	8.55	-.39
Feb.	10.30	5.83	7.29	.66	4.78	6.25	-.39
Mar.	9.40	4.25	6.39	.58	3.21	5.35	-.47
Apr.	9.70	3.69	6.69	.43	2.65	5.65	-.62
May	11.05	4.02	8.04	.43	2.98	7.00	-.62
1992/93							
Oct.	--	--	--	--	--	--	--
Nov.	10.95	5.90	7.90	-.24	4.83	6.83	-1.32
Dec.	12.25	7.03	9.20	-.24	5.96	8.13	-1.32
Jan.	12.20	6.80	9.15	-.24	5.72	8.08	-1.32
Feb.	11.60	5.58	8.55	-.24	4.50	7.48	-1.32
Mar.	9.90	4.76	6.85	-.24	3.68	5.78	-1.32
Apr.	8.95	4.44	5.90	-.24	3.36	4.83	-1.32
May	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

1993 ARIZONA AGRICULTURAL STATISTICS**DECIDUOUS FRUITS AND NUTS: Acreage in production, Arizona, by area, 1989-93 1/**

Crop and area	1989	1990	1991	1992	1993
<u>Acres</u>					
FRUIT					
APRICOTS					
Central	202	162	150	150	150
Western	4	4	0	0	0
Total	206	166	150	150	150
FIGS					
Central	90	90	90	90	90
Total	90	90	90	90	90
NECTARINES					
Central	36	36	40	40	40
Total	36	36	40	40	40
PEACHES					
Central	136	136	96	101	101
Eastern	264	327	327	124	124
Western	92	92	68	78	78
Total	492	555	491	303	303
PLUMS					
Central	10	0	10	14	10
Total	10	0	10	14	10
NUTS					
PECANS					
Central	8,843	8,446	8,482	8,932	8,932
Eastern	3,873	3,873	4,288	4,693	4,693
Western	1,419	692	692	618	618
Total	14,135	13,011	13,462	14,243	14,243
PISTACHIOS					
Central	459	459	459	277	277
Eastern	1,108	1,112	1,112	1,983	1,983
Western	157	157	157	157	157
Total	1,724	1,728	1,728	2,417	2,417

1/ Central area includes Maricopa, Pinal and Pima counties, eastern area includes Graham, Cochise, and Santa Cruz counties, and western area includes La Paz and Yuma counties.

Source: Arizona, Citrus, Fruit and Vegetable Standardization.

DECIDUOUS FRUITS: Acres, production, and value, Arizona, 1989-93 1/

Crop	Year	Acres in production	Unit	Utilized production	Value of production
		<u>Acres</u>		<u>1,000 units</u>	<u>1,000 dollars</u>
APRICOTS	1989	206	26 lb. ctn.	14	75
	1990	166		3	12
	1991	150		8	59
	1992	150		0	
	1993	150		0	
NECTARINES	1989	36	26 lb. ctn.	5	21
	1990	36		1	5
	1991	40		3	13
	1992	40		0	
	1993	40		0	
PEACHES	1989	492	26 lb. ctn.	68	224
	1990	555		53	198
	1991	491		58	300
	1992	303		38	110
	1993	303		51	237

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

CATTLE AND CALVES

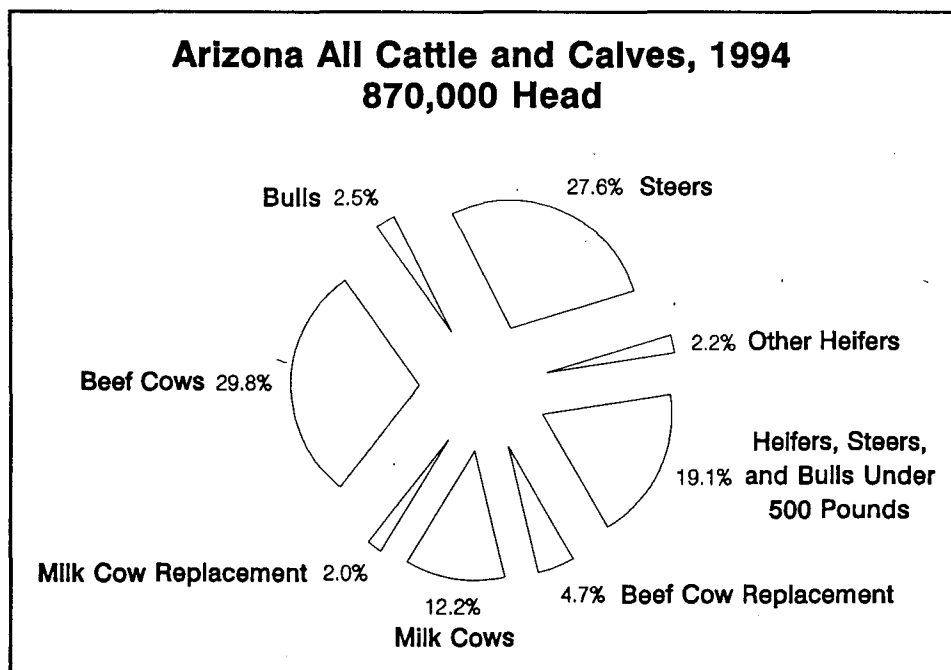
Arizona's inventory of cattle and calves taken on January 1, 1994 indicated there were 870,000 head valued at nearly \$531 million, down 20,000 head and up \$12.2 million from January 1, 1993. The 1993 calf crop of 290,000 head was down 10,000 head from the 1993 level.

Monthly beef cattle prices varied by \$9.20 per hundredweight during 1993, from a low of \$66.50 in October to a high of \$75.70 in March. The marketing year average price for beef cattle increased \$2.00 per hundredweight to \$72.20. The average price for cows fell by 30 cents per hundredweight to \$43.30. The steer and heifer price rose \$2.70 to \$75.90 and the calf price rose \$11.10 to \$96.60 per hundredweight.

Cattle and calf marketings dipped 7 percent to 759.2 million pounds but gross income fell only 4 percent to \$559.3 million.

Arizona's feedlots marketed 378,000 head during 1993, an increase of 50,000 head from 1992. As of April 1, 1994, there were 192,000 head of cattle and calves on feed for the slaughter market in Arizona. Of these, 175,000 were steers and steer calves and 17,000 were heifers and heifer calves.

Arizona's 27 livestock slaughtering establishments produced 248.8 million pounds of red meat during 1993, up 4 percent from the 1992 slaughter. Over 368,000 head of cattle were slaughtered, up 5 percent from 1992.



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
1990	4,600	830	500	91	1,288,590	98,162	193,880	10,153
1991	4,600	840	500	96	1,247,470	98,896	181,270	10,156
1992	4,700	900	500	96	1,230,870	99,559	171,260	9,913
1993	4,800	890	500	96	1,225,990	100,611	162,450	9,838
1994	2/	870	2/	106	2/	101,749	2/	9,638

2/ Not available until January, 1995.

Year	All cattle and calves	Cows		Heifers 500 lbs. and over			Steers 500 lbs. and over	Bulls 500 lbs. and over	Heifers, steers and bulls under 500 lbs.	Value of all cattle and calves	
		Beef cows	Milk cows	Beef cow replacement	Milk cow replacement	Other heifers				Per head	Total
<u>1,000 head</u>						<u>Dollars</u>		<u>1,000 dol.</u>			
1990	830	259	91	48	20	11	215	24	162	585	485,550
1991	840	249	96	45	20	13	235	26	156	620	520,800
1992	900	279	96	46	20	15	217	27	200	595	535,500
1993	890	284	96	44	20	16	230	27	173	610	542,900
1994	870	259	106	41	17	19	240	22	166	610	530,700

Year	Inventory January 1	Calf Crop	Inshipments	Marketings 1/		Farm slaughter 2/	Slaughter	
				Cattle	Calves		Cattle	Calves
<u>1,000 head</u>								
1989	880	290	410	605	92	3	25	25
1990	830	280	520	630	92	3	30	35
1991	840	290	486	595	63	3	25	30
1992	900	300	548	690	100	3	30	35
1993	890	290	491	645	93	3	30	30
1994	870							

2/ Excludes custom slaughter for farmers at commercial establishments.

Year	Production 1/	Marketings 2/	Average price per 100 pounds		Value of production	Cash receipts 3/	Value of home consumption	Gross income
			Cattle	Calves				
	1,000 lbs.		Dollars			1,000 dol.		
1989	454,680	671,800	66.30	86.70	307,755	450,771	3,108	453,879
1990	467,850	685,990	71.70	91.90	340,456	497,166	3,298	500,464
1991	514,220	698,260	73.20	94.90	384,903	515,831	3,220	519,051
1992	570,590	819,410	70.20	85.50	404,399	580,522	3,194	583,716
1993	518,980	759,210	72.20	96.60	382,087	556,002	3,343	559,345

3/ Receipts from marketings and sale of farm slaughter.

1993 ARIZONA AGRICULTURAL STATISTICS**ALL CATTLE AND CALVES: Number on farms, Arizona, by counties, January 1, 1990-94 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		COCHISE		COCONINO	
1990	52	1990	60	1990	46
1991	55	1991	63	1991	50
1992	55	1992	66	1992	58
1993	52	1993	79	1993	51
1994	59	1994	75	1994	54
GILA		GRAHAM		GREENLEE	
1990	29	1990	34	1990	9
1991	32	1991	40	1991	13
1992	33	1992	38	1992	12
1993	30	1993	35	1993	11
1994	25	1994	28	1994	9
LA PAZ		MARICOPA		MOHAVE	
1990	2	1990	181	1990	18
1991	2	1991	158	1991	20
1992	2	1992	167	1992	24
1993	3	1993	139	1993	20
1994	4	1994	166	1994	19
NAVAJO		PIMA		PINAL	
1990	45	1990	42	1990	139
1991	45	1991	40	1991	162
1992	44	1992	47	1992	179
1993	39	1993	54	1993	182
1994	31	1994	55	1994	171
SANTA CRUZ		YAVAPAI		YUMA	
1990	16	1990	57	1990	100
1991	17	1991	60	1991	83
1992	20	1992	60	1992	95
1993	18	1993	64	1993	113
1994	15	1994	59	1994	100
ARIZONA					
1990	830				
1991	840				
1992	900				
1993	890				
1994	870				

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

MILK COWS: Number on farms, Arizona, by counties, January 1, 1990-94

County and year	Milk cows	County and year	Milk cows	County and year	Milk cows
	1,000 head		1,000 head		1,000 head
MARICOPA		PIMA		PINAL	
1990	76	1990	3	1990	7
1991	82	1991	1/	1991	8
1992	82	1992	1/	1992	8
1993	84	1993	1/	1993	7
1994	91	1994	1/	1994	9
OTHER COUNTIES		ARIZONA			
1990	5	1990	91		
1991	6	1991	96		
1992	6	1992	96		
1993	5	1993	96		
1994	6	1994	106		

1/ Milk cows included in Other Counties to avoid disclosure of individual operations.

CATTLE AND CALVES: Number on feed, placements, marketings, and other disappearance, Arizona 1989-93

Month	1989	1990	1991	1992	1993
1,000 head					
JANUARY					
Number on feed January 1	275	253	232	217	233
Placed on feed during January	16	26	26	20	26
Marketed during January	22	24	27	20	39
Other disappearance during January	9	9	3	4	5
FEBRUARY					
Number on feed February 1	260	246	228	213	215
Placed on feed during February	15	18	20	17	22
Marketed during February	24	25	26	20	31
Other disappearance during February	5	5	3	5	5
MARCH					
Number on feed March 1	246	234	219	205	201
Placed on feed during March	30	22	18	26	31
Marketed during March	34	33	34	26	35
Other disappearance during March	5	10	2	2	1
APRIL					
Number on feed April 1	237	213	201	203	196
Placed on feed during April	24	22	17	30	31
Marketed during April	45	34	30	30	37
Other disappearance during April	9	5	3	5	1
MAY					
Number on feed May 1	207	196	185	198	189
Placed on feed during May	14	22	27	34	41
Marketed during May	42	36	36	44	46
Other disappearance during May	9	10	11	2	1
JUNE					
Number on feed June 1	170	172	165	186	183
Place on feed during June	23	25	17	34	25
Marketed during June	36	34	31	37	33
Other disappearance during June	2	3	4	16	2
JULY					
Number on feed July 1	155	160	147	167	173
Placed on feed during July	31	30	22	27	23
Marketed during July	30	30	29	29	27
Other disappearance during July	3	2	2	5	1
AUGUST					
Number on feed August 1	153	158	138	160	168
Placed on feed during August	43	35	24	36	30
Marketed during August	24	26	26	27	27
Other disappearance during August	1	2	2	1	2
SEPTEMBER					
Number on feed September 1	171	165	134	168	169
Placed on feed during September	43	39	36	39	43
Marketed during September	19	20	18	26	22
Other disappearance during September	2	4	1	1	1
OCTOBER					
Number on feed October 1	193	180	151	180	189
Placed on feed during October	62	46	59	58	59
Marketed during October	18	20	15	23	26
Other disappearance during October	1	2	2	1	1
NOVEMBER					
Number on feed November 1	236	204	193	214	221
Placed on feed during November	41	42	52	43	43
Marketed during November	25	17	16	22	29
Other disappearance during November	1	5	2	1	8
DECEMBER					
Number on feed December 1	251	224	227	234	227
Placed on feed during December	27	28	21	24	25
Marketed during December	23	14	18	24	26
Other disappearance during December	2	6	13	1	1

1993 ARIZONA AGRICULTURAL STATISTICS**CATTLE ON FEED:** Inventory by class and weight group, Arizona, quarterly, January 1, 1989 - April 1, 1994

Date	Total	Steers and steer calves	Heifers and heifer calves	Weight group				
				Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 lbs. and over
1,000 head								
1989								
Jan. 1	275	265	10	43	88	81	58	5
Apr. 1	237	232	5	36	40	77	80	4
July 1	155	151	4	22	35	47	47	4
Oct. 1	193	186	7	40	76	47	28	2
1990								
Jan. 1	253	241	12	54	74	67	55	3
Apr. 1	213	202	11	40	48	69	54	2
July 1	160	155	4	32	44	39	43	1
Oct. 1	180	176	4	45	60	41	32	2
1991								
Jan. 1	232	225	6	37	70	77	43	4
Apr. 1	201	193	8	34	39	60	58	10
July 1	147	140	7	25	33	38	41	10
Oct. 1	151	145	6	39	54	31	23	4
1992								
Jan. 1	217	205	12	43	70	68	31	5
Apr. 1	203	194	9	25	48	69	54	7
July 1	167	164	3	24	42	48	49	4
Oct. 1	180	177	3	23	62	48	42	5
1993								
Jan. 1	233	222	11	25	67	88	48	5
Apr. 1	196	187	9	19	41	68	65	3
July 1	173	162	11	23	47	52	47	4
Oct. 1	189	176	13	27	58	58	43	3
1994 1/								
Jan. 1	224							
Apr. 1	192							

1/ Weight groups discontinued.

CATTLE ON FEED: Number of feedlots and marketings by size of feedlot capacity, Arizona, 1989-93

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
1989	7	15	5	113	3	214	15	342
1990	6	11	5	99	3	203	14	313
1991	5	12	5	107	3	187	13	306
1992	4	5	5	93	3	230	12	328
1993	4	10	4	111	3	257	11	378

1993 ARIZONA AGRICULTURAL STATISTICS

71

CATTLE ON FEED: Arizona, by counties, monthly, 1989-94

County	Jan. 1	Feb. 1	Mar. 1	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept 1	Oct. 1	Nov. 1	Dec. 1
<u>1,000 head</u>												
<u>1989</u>												
Maricopa	43	38	32	28	22	17	16	16	17	21	31	36
Pinal	129	123	121	119	102	85	75	76	79	90	110	118
Yuma	103	99	93	90	83	68	64	61	75	82	95	97
ARIZONA	275	260	246	237	207	170	155	153	171	193	236	251
<u>1990</u>												
Maricopa	34	33	30	24	23	17	16	18	8	9	9	10
Pinal	122	118	112	104	96	86	83	78	90	102	121	134
Yuma	97	95	92	85	77	69	61	62	67	69	74	80
ARIZONA	253	246	234	213	196	172	160	158	165	180	204	224
<u>1991</u>												
Maricopa	9	9	9	9	8	6	5	4	4	4	4	4
Pinal	142	139	133	123	115	101	89	85	81	90	113	131
Yuma	81	80	77	69	62	58	53	49	49	57	76	92
ARIZONA	232	228	219	201	185	165	147	138	134	151	193	227
<u>1992</u>												
Maricopa	4	4	4	4	4	4	4	3	4	4	4	4
Pinal	120	117	110	107	103	95	83	83	86	88	104	118
Yuma	93	92	91	92	91	87	80	74	78	88	106	112
ARIZONA	217	213	205	203	198	186	167	160	168	180	214	234
<u>1993</u>												
Maricopa	5	4	4	4	4	4	4	4	5	4	8	9
Pinal	120	103	97	95	96	96	92	89	89	102	114	118
Yuma	108	108	100	97	89	83	77	75	75	83	99	100
ARIZONA	233	215	201	196	189	183	173	168	169	189	221	227
<u>1994</u>												
Maricopa	9											
Pinal	116											
Yuma	99											
ARIZONA 1/	224	217	201	192								

1/ County data discontinued February 1, 1994.

FED CATTLE MARKETED FOR SLAUGHTER: Arizona, by counties, 1989-93

Year	Maricopa	Pinal	Yuma	Total
<u>1,000 head</u>				
1989	47	172	123	342
1990	28	172	113	313
1991	12	195	99	306
1992	5	209	114	328
1993	10	239	129	378

1993 ARIZONA AGRICULTURAL STATISTICS**ALL CATTLE: Monthly and marketing year average prices received by producers, Arizona 1989-93**

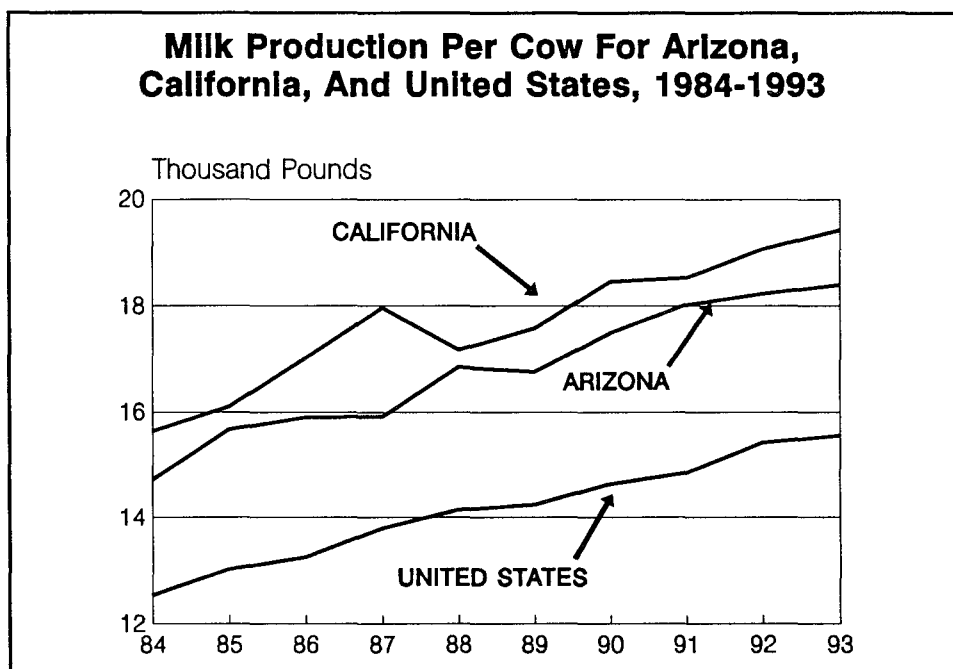
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec	Marketing year average
<u>Dollars per cwt.</u>													
<u>ALL BEEF CATTLE 1/</u>													
1989	66.60	70.30	69.50	67.40	66.70	64.00	66.60	68.20	63.70	62.40	61.70	67.30	66.30
1990	68.60	69.20	74.20	69.20	70.20	70.70	71.50	73.90	73.40	71.40	72.30	74.50	71.70
1991	72.90	74.60	76.00	76.00	80.40	77.10	73.60	71.80	70.80	69.80	66.90	66.20	73.20
1992	71.30	70.30	72.40	71.40	69.90	69.60	69.00	72.30	68.40	68.70	68.40	71.10	70.20
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
<u>STEERS AND HEIFERS</u>													
1989	73.60	74.10	75.80	73.00	72.80	70.10	70.80	73.60	70.40	71.50	73.10	75.10	72.90
1990	75.80	77.20	77.30	77.10	75.80	73.70	73.70	77.20	77.00	77.70	78.00	77.50	76.50
1991	77.10	78.10	78.70	79.40	83.40	79.20	75.80	73.70	73.80	76.70	71.20	69.00	76.60
1992	75.90	73.70	75.70	74.40	72.50	72.20	70.90	73.80	71.70	72.40	71.60	74.50	73.20
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
<u>CALVES</u>													
1989	90.10	93.60	89.10	83.40	85.20	86.70	84.80	92.20	90.10	86.60	83.70	80.70	86.70
1990	88.90	91.40	96.00	94.80	95.40	86.70	90.50	93.50	91.70	88.40	91.40	93.10	91.90
1991	95.20	101.00	103.00	103.00	102.00	94.00	95.20	92.90	95.10	91.20	88.20	85.80	94.90
1992	91.90	91.40	93.60	87.10	81.90	82.00	84.10	84.60	84.60	80.40	82.80	82.70	85.50
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
<u>COWS</u>													
1989	46.40	51.80	47.60	46.10	44.30	45.10	45.70	47.90	48.50	45.80	44.10	44.60	46.30
1990	48.00	54.80	53.00	51.50	52.10	47.80	49.90	55.10	53.80	51.20	47.30	50.20	51.30
1991	49.90	52.10	54.20	54.10	52.90	51.10	48.60	48.20	47.20	46.20	45.20	44.20	49.30
1992	43.00	44.00	44.80	44.80	45.00	43.50	44.40	44.40	43.80	41.80	42.20	43.20	43.60
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

1/ Includes steers and heifers, and cows.

DAIRY

The average number of milk cows maintained by Arizona's dairy operations increased by 4,000 to reach 102,000 head during 1993. As of January 1, 1994, the number of milk cows totaled 106,000, up 10,000 from January 1, 1993. Milk production per cow during 1993 improved to 18,402 pounds, an increase of 167 pounds from a year ago.

Milk production totaled 1.877 billion pounds in 1993, an increase of 5 percent from 1992. Producer cash receipts from milk rose to 245.0 million dollars despite a 20 cent decrease in average returns per 100 pounds of milk. The 1993 average returns figure for milk was \$13.10 per hundredweight.



1993 ARIZONA AGRICULTURAL STATISTICS

DAIRY: Milk cows and milk production, Arizona, quarterly, 1989-93

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.				
1989	88	89	93	94	91	396	393	338	398	1,525
1990	92	94	95	96	94	439	432	360	414	1,645
1991	96	94	93	96	95	445	442	385	441	1,713
1992	97	98	99	98	98	476	464	394	453	1,787
1993	98	102	104	105	102	484	486	435	492	1,877

DAIRY: Milk cows, production of milk and milkfat, and value, Arizona, 1989-93

Year	Milk cows 1/	Production per milk cow		Milkfat	Total production		Value
		Milk	Milkfat		Milk	Milkfat	
	1,000 head	Lbs.		Percent	Million lbs.		1,000 dol.
1989	91	16,758	617	3.68	1,525	56.1	207,400
1990	94	17,500	630	3.60	1,645	59.2	231,945
1991	95	18,032	649	3.60	1,713	61.7	208,986
1992	98	18,235	662	3.63	1,787	64.9	237,671
1993	102	18,402	668	3.63	1,877	68.1	245,887

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, 1989-93

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.					
1989	7	2	9	1,516	1/	1,516
1990	8	2	10	1,635	1/	1,635
1991	8	3	11	1,702	1/	1,702
1992	5	3	8	1,779	1/	1,779
1993	6	1	7	1,870	1/	1,870

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

MILK PRODUCTION: Marketings and income, Arizona, 1989-93

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.	
1989	1,516	13.60	3.70	206,176	2	272	206,448
1990	1,635	14.10	3.92	230,535	2	282	230,817
1991	1,702	12.20	3.39	207,644	3	366	208,010
1992	1,779	13.30	3.66	236,607	3	399	237,006
1993	1,870	13.10	3.61	244,970	1	131	245,101

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

GRAIN AND OTHER CONCENTRATES: Quantity fed to milk cows and value, Arizona, 1989-93 1/

Year	Quantity fed to milk cows			Value of feed fed per cwt.	Feed value per cwt. of milk produced
	Total	Per cow	Per cwt. of milk produced		
	1,000 tons	Pounds	Pounds	Dollars	Dollars
1989	368	8,090	48	7.30	3.50
1990	394	8,370	48	7.36	3.53
1991	394	8,290	46	7.19	3.30
1992	403	8,210	45	6.92	3.12
1993	413	8,100	44	7.27	3.22

1/ Estimates for all places where milk produced, either for sale or for home use.

DAIRY PLANTS: Arizona, 1989-93 1/

1989	1990	1991	1992	1993
Number				
8	8	7	7	7

1/ Plants manufacturing one or more dairy products.

ICE CREAM: Production, Arizona, monthly and annual, 1989-93

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1,000 gallons													
1989	613	671	763	617	601	687	712	668	585	608	508	409	7,442
1990	504	549	650	780	664	687	782	762	412	533	460	449	7,232
1991	522	515	670	495	760	770	766	602	594	469	349	415	6,927
1992	500	325	494	629	590	400	598	575	523	420	390	539	5,983
1993	465	583	780	829	641	721	681	543	602	561	434	414	7,254

ICE MILK: Production, Arizona, monthly and annual, 1989-93

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1,000 gallons													
1989	394	441	580	532	590	542	540	588	558	434	383	337	5,919
1990	436	488	465	603	596	535	586	704	479	526	430	446	6,294
1991	415	436	445	682	578	531	674	616	465	601	435	375	6,253
1992	425	484	548	503	461	507	500	491	438	415	383	356	5,511
1993 1/													

1/ Production not published to avoid disclosure of individual operations.

MILK SHERBET: Production, Arizona, monthly and annual, 1989-93

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1,000 gallons													
1989	42	29	57	56	59	42	59	50	46	42	32	51	565
1990	21	27	58	42	30	40	45	39	26	30	21	25	404
1991	24	37	25	31	28	37	33	37	30	30	20	22	354
1992	29	26	29	29	29	26	29	29	30	28	18	27	329
1993	21	17	39	45	36	23	24	24	25	24	20	27	325

SHEEP, LAMBS, AND WOOL

Arizona sheep and lamb inventory on January 1, 1994 was estimated at 160,000 head, a drop of 30,000 from a year ago. The number of stock sheep fell to 110,000 head. Breeding ewes declined by 95,000 head. New crop lambs was estimated at 40,000 head, down 5,000 from last year. Sheep and lambs on feed dropped to 50,000 head.

Sheep and lamb marketings was estimated at 21 million pounds. Average prices per hundredweight received by stockmen rose for both sheep and lambs. The \$33.50 per hundredweight price for sheep was \$3.90 above the 1992 price. The \$65.20 per hundredweight price for lambs was \$2.70 higher than the 1992 level. Cash receipts totaled 12.3 million dollars.

Average wool prices dropped to 41 cents per pound, down from the 1992 price of 56 cents. Value of wool production was estimated at 492,000 dollars.

SHEEP: Number of operations and inventory, January 1, Arizona and United States, 1990-94 1/

Year	Arizona		United States	
	Operations	Head 2/	Operations	Head 2/
	Number	Thousand	Number	Thousand
1990	450	262	108,940	11,363
1991	450	250	105,090	11,200
1992	450	195	100,960	10,750
1993	450	190	98,230	10,013
1994	3/	160	3/	9,079

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

2/ Excludes new crop lambs.

3/ Not available until January 1995.

SHEEP: By class, farm value and lamb crop, Arizona, January 1, 1990-94

Year	Stock sheep and lambs 1/		Sheep and lambs on feed 2/	All sheep and lambs	Farm value		Lamb crop	
	Ewes	Rams and wethers			Per head	Total	Breeding ewes Jan. 1	Lambs saved
			1,000 head		Dollars	1,000 dol.	1,000 head	
1990	197	23	42	262	89.00	23,318	170	115
1991	185	20	45	250	80.00	20,000	163	90
1992	135	15	45	195	83.00	16,185	120	90
1993	124	11	55	190	86.00	16,340	115	85
1994	102	8	50	160	85.00	13,600	95	3/

1/ Ewes, rams and wethers of all ages excluding new crop lambs.

2/ Excludes stock sheep and lambs and new crop lambs.

3/ Not available until January, 1995.

SHEEP AND LAMBS: Inventory, supply, and disposition, Arizona, 1989-94

Year	Inventory January 1	Lamb crop	Inshipments	Marketings 1/		Farm slaughter 2/	Deaths	
				Sheep	Lambs		Sheep	Lambs
					1,000 head			
1989	284	130	71	75	114	13	9	12
1990	262	115	100	71	124	13	8	11
1991	250	90	106	82	148	13	3	5
1992	195	90	81	32	123	13	2	6
1993	190	85	110	42	163	13	2	5
1994	160							

1/ 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.

2/ Excludes custom slaughter for farmers at commercial establishments.

SHEEP AND LAMBS: Production and income, Arizona, 1989-93

Year	Production 1/ 1,000 lbs.	Marketings 2/ 1,000 lbs.	Average price per 100 pounds Dollars		Value of production 1,000 dol.	Cash Receipts 3/ 1,000 dol.	Value of home consumption 1,000 dol.	Gross income 1,000 dol.
			Sheep	Lambs				
1989	12,795	20,400	27.90	71.50	7,354	10,662	625	11,287
1990	12,450	20,920	24.00	62.10	6,209	9,745	541	10,286
1991	11,605	24,640	19.80	48.40	4,657	9,112	432	9,544
1992	10,745	16,140	29.60	62.50	5,901	8,824	597	9,421
1993	11,245	21,340	33.50	65.20	6,888	12,316	648	12,964

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 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.

SHEEP AND LAMBS: Number on farms, Arizona, by counties, January 1, 1990-94

County and year	Stock sheep and lambs 1/ 1,000 head	Sheep and lambs on feed 2/ 1,000 head	All sheep and lambs 1/ 1,000 head	New crop lambs 1,000 head	County and year	Stock sheep and lambs 1/ 1,000 head	Sheep and lambs on feed 2/ 1,000 head	All sheep and lambs 1/ 1,000 head	New crop lambs 1,000 head
APACHE					COCONINO				
1990	90	0	90	13	1990	30	0	30	6
1991	85	0	85	13	1991	28	0	28	6
1992	58	0	58	12	1992	20	0	20	5
1993	42	0	42	11	1993	14	0	14	5
1994	43	0	43	14	1994	14	0	14	5
MARICOPA					NAVAJO				
1990	18	10	28	10	1990	60	0	60	9
1991	15	8	23	9	1991	58	0	58	9
1992	14	8	22	8	1992	39	0	39	8
1993	9	13	22	6	1993	35	0	35	8
1994	13	8	21	3	1994	30	0	30	9
PINAL					YUMA				
1990	11	15	26	7	1990	7	12	19	4
1991	9	14	23	7	1991	5	15	20	3
1992	12	12	24	8	1992	5	20	23	2
1993	21	6	27	8	1993	2	29	31	0
1994	6	12	18	5	1994	0	28	28	0
OTHER COUNTIES					ARIZONA				
1990	4	5	9	4	1990	220	42	262	53
1991	5	8	13	3	1991	205	45	250	50
1992	4	5	9	2	1992	150	45	195	45
1993	12	7	19	17	1993	135	55	190	45
1994	4	2	6	4	1994	110	50	160	40

1/ Excludes new crop lambs (those born after September 30 the previous year and on hand January 1).

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

WOOL PRODUCTION AND VALUE: Arizona, 1989-93

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.
1989	240	6.8	1,630	110	1,793
1990	228	6.8	1,550	63	977
1991	207	7.2	1,490	42	626
1992	188	6.9	1,300	56	728
1993	180	6.7	1,200	41	492

1/ Includes fed sheep shorn.

2/ Equivalent to cash receipts from farm marketings.

1993 ARIZONA AGRICULTURAL STATISTICS**SHEEP, LAMBS, AND WOOL: Monthly and annual average prices received by producers, Arizona, 1989-93**

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
<u>Dollars per cwt.</u>													
<u>SHEEP</u>													
1989	31.00	30.90	23.20	29.30	33.00	26.70	23.90	23.40	19.70	22.50	34.00	37.30	27.90
1990	27.60	28.20	23.00	30.00	27.50	26.30	25.50	25.90	25.60	28.30	19.90	25.20	24.00
1991	17.60	20.30	20.00	19.50	15.10	22.00	19.10	20.00	19.20	20.20	21.60	26.70	19.80
1992	34.30	35.90	32.20	30.20	26.20	26.60	27.50	29.80	26.70	27.00	29.00	36.30	29.60
1993 1/													33.50
<u>LAMBS</u>													
1989	63.00	68.00	76.70	63.90	66.90	50.30	69.70	77.90	74.10	67.20	58.80	57.30	71.50
1990	52.50	63.00	62.00	60.90	54.10	52.00	54.80	50.00	48.50	50.40	40.90	35.30	62.10
1991	45.00	43.00	51.00	61.50	67.00	53.50	53.30	52.70	52.60	51.00	52.30	52.40	48.40
1992	55.10	55.30	62.50	68.70	67.50	61.40	59.20	54.00	55.00	53.50	58.10	66.40	62.50
1993 1/													65.20
<u>WOOL</u>													
1989	118.00	167.00	119.00	74.00	84.00	90.00	92.00	63.00	92.00	117.00	87.00	76.00	110.00
1990	93.00	93.00	92.00	55.00	49.00	45.00	51.00	46.00	--	44.00	50.00	42.00	63.00
1991	59.00	63.00	--	47.00	31.00	30.00	38.00	--	--	44.00	34.00	53.00	42.00
1992	69.00	77.00	--	50.00	49.00	49.00	48.00	--	--	--	49.00	56.00	56.00
1993	70.00	61.00	--	24.00	22.00	22.00	24.00	--	42.00	--	54.00	57.00	41.00

1/ Monthly prices discontinued.

GOATS AND MOHAIR

On January 1, 1994, Arizona's Angora goat inventory was 82,000 head, down 6,000 head from a year ago. At \$32 per head, the total value of Angora goats was estimated at 2.62 million dollars. Most goats in Arizona are owned by Native Americans, with the Navajos of northeastern Arizona responsible for the majority of herds.

Average mohair prices plummeted to 32 cents per pound, down 28 cents from 1992. Mohair production was estimated at 310,000 pounds for a total value of 99,000 dollars.

ANGORA GOATS: Number on farms and value, Arizona, January 1, 1990-94

Year	Goats	Farm Value	
		Per head	Total
	<u>1,000 head</u>	<u>Dollars</u>	<u>1,000 dollars</u>
1990	98	50.00	4,900
1991	108	45.00	4,860
1992	98	40.00	3,920
1993	88	40.00	3,520
1994	82	32.00	2,624

MOHAIR PRODUCTION AND VALUE: Arizona, 1989-93

Year	Goats clipped	Weight per clip	Mohair production	Average price per pound	Value of production
	<u>1,000 head</u>	<u>Pounds</u>	<u>1,000 lbs.</u>	<u>Cents</u>	<u>1,000 dol.</u>
1989	90	4.1	370	99	366
1990	95	4.2	400	52	208
1991	90	4.4	400	49	196
1992	82	4.4	360	60	216
1993	70	4.4	310	32	99

GRAZING FEES: Arizona, 1990-94

Approximately 44 percent of Arizona's total area of 72,960,000 acres is federal and state public trust lands 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 1, 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.

Arizona adopted the federal fee formula for state trust lands beginning in 1982, except that a base year fee of \$.95 is used instead of the federal base fee of \$1.23, the difference being a credit for range improvements made on state lands and for taxes paid on those lands by the lessees.

Grazing fee formula components are compiled by the USDA's Agricultural Statistics Board and furnished to USDI Bureau of Land Management, USDA's Forest Service, and the Arizona State Land Department 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	Grazing fee year				
			1990	1991	1992	1993	1994
Grazing Rates on Private Land 1/	Dollars	3.65	8.87	9.22	9.66	10.03	10.20
Forage Value Index (FVI) 2/		100	243	263	265	275	279
Average Price Received for Beef Cattle per Cwt. 3/	Dollars	22.04	67.47	71.81	72.15	69.60	73.43
Beef Cattle Price Index (BCPI) 4/		100	306	326	327	316	333
Prices Paid Index (PPI) 5/		100	402	419	436	440	461
Federal Grazing Fee 6/	Dollars	(1.23)	1.81	1.97	1.92	1.86	1.98
State Grazing Fee 6/	Dollars	(.95)	1.40	1.57	1.48	1.43	1.53

1/ Privately-owned, non-irrigated land in eleven western states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, 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. 1994, for example = \$1.23 (279 + 333 - 451)/100 = \$1.98 (federal); \$.95 (179 + 333 - 451)/100 = \$1.53 (state).

HOGS AND PIGS

Survey results for December 1, 1993 showed the inventories of Arizona's 400 hog producers had risen 32 percent from the previous year to reach 140,000 head. Hogs for breeding increased 2,000 head to 17,000 and market hog numbers rose 35 percent to 123,000. The market value of Arizona's hog inventory rose 25 percent from \$9.6 million to \$12.0 million.

The total pig crop rose 57,000 from last year's figure to 256,000 head. The December-February pig crop totaled 50,000 head, March-May totaled 71,000 head, June-August totaled 74,000, and September-November totaled 61,000 head.

The gross income of the industry rose 17 percent to \$22.7 million. The increase was attributed to a 15 percent increase in production to 52.6 million pounds and a \$2.40 per hundredweight price increase from 1992 to \$44.40. An estimated 212,000 head of Arizona hogs was marketed during 1993.

HOGS AND PIGS: Number of Operations and inventory December 1, Arizona and United States, 1989-93 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1989	440	100	306,210	53,821
1990	400	110	275,440	54,477
1991	400	100	253,890	57,684
1992	400	106	248,700	58,116
1993	400	140	235,840	56,798

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, 1989-93

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.
1989	12	88	29	24	20	15	100	88.00	8,800
1990	13	97	33	26	20	18	110	93.00	10,230
1991	12	88	33	25	19	11	100	85.00	8,500
1992	15	91	35	25	18	13	106	91.00	9,646
1993	17	123	59	24	22	18	140	86.00	12,040

HOGS AND PIGS: Inventory, supply, and disposition, Arizona, 1989-94

Year	Inventory December 1 1/	Pig crop		Inshipments	Marketings 2/	Farm slaughter 3/	Deaths
		Dec.-May	June-Nov.				
1,000 head							
1989	130	114	83	6	222	1	10
1990	100	99	97	4	179	1	10
1991	110	86	97	5	185	1	12
1992	100	90	109	10	191	1	11
1993	106	121	135	9	212	1	18
1994	140						

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 1989-93

Year 1/	Total		December - February			March - May		
	Sows farrowed	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop
	Thous.		Thous.	Number	Thous.	Thous.	Number	Thous.
1989	24	186	7.0	7.9	55	7.0	8.4	59
1990	24	196	6.0	8.3	50	6.0	8.2	49
1991	23	183	5.0	7.7	39	6.0	7.9	47
1992	24	199	5.0	8.0	40	6.0	8.3	50
1993	31	256	6.0	8.4	50	8.0	8.9	71

Year 1/	June - August			September - November		
	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop
	Thous.	Number	Thous.	Thous.	Number	Thous.
1989	6.0	8.7	52	4.0	7.8	31
1990	6.0	8.2	49	6.0	8.0	48
1991	6.0	8.2	49	6.0	8.0	48
1992	7.0	8.5	60	6.0	8.1	49
1993	9.0	8.2	74	8.0	7.6	61

1/ December 1 previous year through November current year.

HOGS AND PIGS: Production and income, Arizona 1989-93

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.		
89	40,870	44,640	44.50	17,849	19,865	214	20,079
1990	37,560	36,150	54.60	20,353	19,738	273	20,011
1991	40,316	42,430	49.40	19,578	20,960	237	21,197
1992	45,816	45,840	42.00	18,251	19,253	101	19,354
1993	52,626	50,880	44.40	22,552	22,591	107	22,698

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 live weight of inventory. 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/ Receipts from marketings and the sale of farm slaughter.

HOGS AND PIGS: Number on farms, Arizona, by counties, December 1, 1989-93

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
COCHISE		GRAHAM		MARICOPA	
1989	10	1989	10	1989	11
1990	9	1990	9	1990	13
1991	8	1991	8	1991	13
1992	8	1992	8	1992	9
1993	7	1993	7	1993	12
NAVAJO		PINAL		OTHER COUNTIES	
1989	62	1989	6	1989	1
1990	70	1990	6	1990	3
1991	63	1991	6	1991	2
1992	73	1992	6	1992	2
1993	108	1993	1/	1993	6
ARIZONA					
1989	100				
1990	110				
1991	100				
1992	106				
1993	140				

1/ Hogs and pigs included in Other Counties to avoid disclosure of individual operations.

MEAT PRODUCTION

LIVESTOCK SLAUGHTERING ESTABLISHMENTS: Arizona, January 1, 1990-1994

Year	Under Federal Inspection	Other 1/	Total
<u>Number</u>			
1990	5	20	25
1991	3	19	22
1992	3	19	22
1993	3	18	21
1994	3	24	27

1/ Includes State inspected and custom-exempt plants.

RED MEAT PRODUCTION: Arizona, 1989-93 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 2/
<u>1,000 pounds</u>													
1989	21,080	16,853	20,051	19,115	22,628	21,746	19,498	19,267	17,490	19,999	20,989	20,595	239,311
1990	21,131	15,855	18,613	18,352	20,652	21,390	19,753	18,336	15,648	18,750	18,515	19,387	226,382
1991	20,870	18,854	18,921	20,301	22,850	22,766	20,527	20,427	18,192	18,707	16,988	19,382	238,784
1992	21,098	18,036	19,532	18,847	20,322	23,355	21,301	18,339	18,696	18,607	19,654	21,541	239,330
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

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, 1989-93

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
<u>Number</u>													
1989	32,500	26,000	30,300	28,500	34,200	33,200	29,700	29,900	26,500	30,500	31,900	31,200	364,500
1990	32,500	24,500	28,500	27,800	31,300	32,600	31,600	27,700	23,800	28,100	27,500	28,200	344,200
1991	30,800	28,200	28,500	30,500	33,500	33,200	29,900	29,900	26,700	27,300	24,200	27,200	349,900
1992	30,600	26,400	28,700	27,700	29,700	34,200	31,400	27,400	28,100	27,200	28,200	31,200	350,800
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
<u>1,000 lbs. liveweight</u>													
1989	34,350	27,457	32,536	31,028	36,978	35,653	32,038	31,516	28,177	32,820	34,742	33,845	391,439
1990	34,885	25,788	30,231	29,486	32,732	33,818	31,137	28,507	24,210	29,079	28,930	30,191	358,994
1991	32,420	30,609	32,004	34,082	38,187	38,110	34,333	34,357	30,337	31,158	28,315	32,150	396,061
1992	34,944	30,140	32,503	31,359	33,977	39,126	35,678	30,723	31,265	31,039	33,314	35,965	400,035
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

1/ Numbers may not add due to rounding.

COMMERCIAL HOG SLAUGHTER: Arizona, 1989-93

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
Number													
1989	1,900	1,200	1,700	1,800	1,700	1,000	900	1,100	1,100	1,200	1,100	1,200	15,900
1990	1,200	1,000	1,500	1,500	1,100	1,000	800	900	1,100	1,100	1,300	1,200	13,600
1991	1,200	1,000	1,400	1,500	1,100	1,000	900	900	1,100	1,300	1,100	1,100	13,700
1992	1,000	1,000	1,500	1,500	1,000	1,000	800	800	1,200	1,300	1,100	1,200	13,600
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
1,000 lbs. liveweight													
1989	406	269	392	425	396	251	216	227	261	282	263	260	3,647
1990	277	243	362	345	257	234	209	226	259	286	294	281	3,273
1991	290	262	335	332	251	210	214	208	251	300	254	252	3,159
1992	218	232	345	348	241	237	191	193	296	318	282	299	3,200
1993	249	244	294	359	252	246	191	197	287	256	278	234	3,087

1/ Numbers may not add due to rounding.

COMMERCIAL SHEEP SLAUGHTER: Arizona, 1989-93

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
Number													
1989	100	*	200	200	*	*	*	100	100	100	100	100	1,100
1990	100	200	200	300	*	*	*	100	200	100	100	100	1,500
1991	100	100	200	300	100	100	100	100	200	100	100	100	1,600
1992	100	100	200	200	100	100	100	100	200	100	100	100	1,400
1993	100	100	200	300	100	100	*	100	200	100	100	100	1,400
1,000 lbs. liveweight													
1989	11		18	27				8	16	8	10	8	126
1990	11	16	26	33				12	18	12	11	8	168
1991	15	10	25	28	11	6	8	8	18	11	9	14	163
1992	13	8	23	25	9	7	5	10	20	8	7	11	146
1993	6	9	18	33	12	6		15	21	9	11	9	153

* Numbers not published to avoid disclosure of individual operations.

1/ Numbers may not add due to rounding.

HONEY

Arizona's 1993 honey production was estimated at 4.24 million pounds, up twelve percent from the 1992 production of 3.78 million pounds. Average yield from the estimated 55,000 colonies was 77 pounds, an increase of twenty-three pounds from a year ago.

Prices for the 1993 honey crop averaged 50 cents per pound, down five cents per pound from last year. The value of honey produced by Arizona apiarists was estimated at 2.12 million dollars, an increase of two percent from the 1992 value of production.

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 only" are also not included as colonies unless some honey is removed for human consumption.

HONEY: Number of colonies, yield, production, and value, Arizona, 1989-93 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.
1989	78	45	3,510	55	1,931
1990	67	48	3,216	49	1,576
1991	75	50	3,750	53	1,988
1992	70	54	3,780	55	2,079
1993	55	77	4,235	50	2,118

1/ For producers with five or more colonies.

POULTRY

The total number of chickens in Arizona on December 1, 1993 was estimated at 350,000, a decrease of 60,000 from the previous December's inventory. Of the total count, 54 percent were hens 1 year and older and 43 percent were pullets of laying age.

The average number of layers for the year 1993 was 356,000. In 1993, egg production increased over 3 percent from a year ago to 88 million. Egg prices averaged 50.6 cents per dozen for the 1993 marketing year, up slightly from 1992.

CHICKENS ON FARMS: Inventory by class, Arizona, December 1, 1989-93 1/

Year	All chickens	Hens and pullets of laying age			Pullets 3 months and over and not of laying age	Pullets under three months	Other chickens	Value per head	Total value
		Hens one year and over	Pullets	Total					
		1,000 birds						Dollars	1,000 dol.
1989	320	215	100	315	2	0	3	2.40	768
1990	270	200	60	260	3	3	4	2.60	702
1991	375	200	120	320	50	1	4	1.90	713
1992	410	240	155	395	4	1	10	2.30	943
1993	350	190	150	340	5	1	4	2.30	805

1/ Does not include commercial broilers.

CHICKENS: Lost, sold, and value of sales, Arizona, 1989-93 1/

Year	Number lost 2/	Number sold	Pounds sold	Price per pound	Value of sales
	1,000 birds		1,000 lbs.	Cents	1,000 dol.
1989	19	149	596	8.0	48
1990	43	165	660	6.0	40
1991	42	143	572	3.0	17
1992	57	181	724	2.0	14
1993	38	104	416	2.6	11

1/ December 1 previous year through November 30; excludes broilers.

2/ Includes death and other losses.

LAYERS: Quarterly inventory, Arizona, 1989-93 1/

Year	Layers				
	December - February	March - May	June - August	September - November	Average number during year
	1,000 birds				
1989	303	305	305	310	305
1990	315	315	303	275	302
1991	315	380	370	335	350
1992	345	353	353	383	358
1993	395	370	333	330	356

1/ December 1 previous year through November 30 current year.

EGGS: Production and value, Arizona, 1989-93 1/

Year	Eggs produced					Price per dozen	Value of production
	December - February	March - May	June - August	September - November	Annual total		
	Million					Cents	1,000 dol
1989	18	19	21	21	79	63.0	4,148
1990	20	21	17	15	73	61.0	3,711
1991	21	24	20	20	85	56.0	3,967
1992	24	20	18	23	85	49.7	3,520
1993	26	24	18	20	88	50.6	3,711

1/ December 1 previous year through November 30 current year.

WEATHER

With Arizona's diverse topography, you could expect a full range of temperatures; from the wintertime cold in the higher mountain areas to the searing summertime heat of the desert areas. You wouldn't have been disappointed with the 1993 temperatures. You would, however, have been taken aback by the amount of rainfall recorded in most areas of the State. Torrential rains during January caused flooding and considerable crop loss in many areas.

January rainfall amounted to as much as 5.87 inches in Kingman, over 5 inches above normal. Even Yuma recorded 1.69 inches, over an inch and one-fourth above normal. Flooding in the Yuma area ruined vegetables and other crops that were in the ground and just as important, made fields unfit for the spring planting of cotton and other crops. Field preparations were disrupted in all areas of the State. The rain, however, was beneficial to range and pasture conditions which were being rated in excellent condition in most areas.

February and March continued wet in many areas. Precipitation in Kingman was over 8.17 inches above normal. Fieldwork was behind schedule however, the first cotton field was planted the end of February. Small grains made excellent progress during this time period.

The rains tailed off by April with only scattered storms and shower activity for the next couple of months. Temperatures had warmed to above normal by late April and continued above normal through June. Range and pasture condition deteriorated with the warming temperatures and limited rainfall. Small grains, however, made good progress with the first field cut by mid-May and the last one by the end of June. Cotton planting was complete by the end of May. The crop made good progress. Insect and weed infestations were kept in check with some good offseason management practices as well as spray programs during this growing period.

Temperatures continued above normal through mid-August. However, the first freezing temperatures were in the books by mid-September. Rain was limited to a few scattered showers and thunderstorms through August. A good rain in early September was welcomed throughout much of the State. Range and pasture condition was up and down as the showers came and went. Cotton progress was ahead of normal. Lygus was becoming a problem in some western fields. Growers in the western area were defoliating by early August and the first field was picked by the end of the month. Picking was very active during September. Lemon harvest in the Yuma area was underway by the first of September.

A cold front in early October triggered some statewide rains. There was also some rain in many areas again in mid-November and rain throughout the State the last week of December. Range and pasture conditions improved with each rain. Temperatures were up and down with a notable warm spell between Christmas and New Years. Cotton picking made generally good progress, slowed only by the occasional shower. The last field was picked around mid-December. Under near ideal conditions, small grain planting was running ahead of normal being 87 percent complete by the end of the year.

RESERVOIR STORAGE: Arizona, April 1, 1990-94

Basin or stream	Reservoir	Usable Capacity	Usable storage				
			1990	1991	1992	1993	1994
Thousand acre feet							
GILA RIVER DRAINAGE							
Agua Fria	Lake Pleasant	1,100.0	49.4	104.8	91.2	465.0	847.0
Gila	San Carlos	935.0	55.7	448.9	707.6	824.9	502.0
Gila	Painted Rock Dam	2,492.0	0.0	1.3	162.8	2,161.2	.0
Salt	Roosevelt, Apache, Canyon, and Saguaro	1,710.0	999.2	1,486.8	1,445.3	1,461.7	1,302.2
Verde	Bartlett and Horseshoe	310.0	15.6	269.2	287.1	283.6	241.2
COLORADO RIVER DRAINAGE							
Colorado	Lake Havasu	619.0	582.1	607.8	573.8	571.7	577.0
Colorado	Lake Mohave	1,810.0	1,678.3	1,759.2	1,671.7	1,690.8	1,664.9
Colorado	Lake Mead	26,159.0	21,436.0	20,050.0	20,182.0	21,981.0	21,291.0
Colorado	Lake Powell	24,322.0	17,921.0	15,098.0	13,699.0	13,412.0	17,785.0
Little Colorado	Lyman Lake	30.0	11.4	.0	.0	19.1	1/
Show Low Creek	Show Low Lake	5.1	0.8	5.1	5.1	5.1	5.1

1/ Not available.

SUMMARY: Streamflow in Arizona was expected to be well below median during April and May. March precipitation was above average in southern Arizona, somewhat below to near average in most of the rest of the State, and below average on the Arizona Strip. The April 1 snowpacks were melted out in many areas and generally well below average. Reservoir storage was near to above average for this time of year.

SNOWPACK: Arizona snowpacks were melting out, generally discontinuous, and well below average. Snow on the Verde River basin remained only in isolated areas - the April 1 snowpack was rated at 2 percent of average. The Salt River basin snowpack was 31 percent of average with meltout well underway. The San Francisco - upper Gila River snowpack was 55 percent of normal with most of the snow concentrated in the Mogollon Range. The southern headwaters of the Little Colorado River had 43 percent of average snow remaining. The central Mogollon Rim snow was 53 percent of normal but was exclusively found in a few areas of higher elevation and dense forest shade. The Grand Canyon snowpack was 44 percent of normal. Only the San Francisco Peaks at 88 percent and the Chuska Mountains at 97 percent came close to an average April 1 snowpack.

PRECIPITATION: March precipitation was generally below to near average across Arizona with a few exceptions. At the low end, the Arizona Strip had only 53 percent of average precipitation. At the high end, and at the other end of the State, the San Pedro - Santa Cruz basin had 122 percent and Sulphur Springs Valley, 126 percent of average precipitation. Over the rest of the State moisture levels were: Salt River basin, 90 percent; Verde River basin, 83 percent; San Francisco - upper Gila River basin, 92 percent; Little Colorado River basin, 86 percent; and northwestern Arizona, 92 percent of average.

RESERVOIRS: April 1 reservoir levels were near to above average in dams or systems serving Arizona. Salt River Project system was 76 percent full with 1,543,400 acre feet. San Carlos was 54 percent full with 502,000 acre feet. Lake Pleasant held 847,000 acre feet at 77 percent of capacity. Lakes Havasu, Mohave, Mead, and Powell held a combined storage of 41,317,900 acre feet, 77 percent of capacity.

STREAMFLOW: March precipitation and melting snow produced streamflow that according to preliminary data, was 115 percent of median on the Salt River, 79 percent of median on the Verde River, and 89 percent of median on the Gila River at Head of Safford Valley during the month. The April-May forecasts call for well below median runoff - 38 percent of median on the Salt River, 52 percent of median on the Verde River, 66 percent of median on the San Francisco River at Clifton, 41 percent of median on the Gila at Virden and 48 percent of median on the Gila at Head of Safford Valley. Little Colorado River inflow to Lyman Lake is forecast to be 32 percent of median during April-June. April-July runoff is forecast to be 117 percent of median on the Virgin River at Littlefield.

Source: United States Department of Agriculture, Soil Conservation Service; Arizona Basin Outlook Report, April 1, 1994.

FREEZE DATES: Last 32° temperatures in spring and first in fall, Arizona 1989-93

Year	Last in spring	First in fall	Last in spring	First in fall	Last in spring	First in fall
<u>AGUILA</u>			<u>BUCKEYE</u>		<u>CASA GRANDE</u>	
1989	March 5	November 30	February 14	November 28	February 7	December 12
1990	March 14	November 26	February 22	November 27	March 14	November 28
1991	April 13	October 29	February 1	December 2	M	December 2
1992	January 22	November 12	January 17	November 25	January 23	M
1993	February 1	November 25	January 4	November 26	January 12	November 26
<u>CHANDLER HEIGHTS</u>			<u>COOLIDGE</u>		<u>DOUGLAS</u>	
1989	February 14	December 12	March 5	November 28	March 22	October 29
1990	March 14	December 22	March 15	November 28	March 17	November 4
1991	February 1	December 2	March 13	December 2	April 29	October 28
1992	January 17	November 24	February 25	November 11	March 19	November 5
1993	January 4	November 27	February 4	November 27	April 25	October 31
<u>FLAGSTAFF</u>			<u>GILA BEND</u>		<u>GRAND CANYON</u>	
1989	June 1	September 15	February 7	November 28	May 31	September 20
1990	June 17	September 29	February 16	December 18	June 16	October 8
1991	June 27	October 5	January 30	1/	June 2	October 25
1992	May 25	October 5	1/	November 25	June 15	October 4
1993	June 7	September 14	1/	December 22	June 9	September 14
<u>KINGMAN</u>			<u>MCNARY</u>		<u>PARKER</u>	
1989	March 5	November 28	May 15	September 21	February 7	December 12
1990	March 15	November 27	May 30	October 9	February 17	December 18
1991	April 12	October 28	June 1	October 28	January 30	December 2
1992	February 24	November 24	April 24	October 26	1/	December 17
1993	January 5	M	June 8	October 19	January 4	December 23
<u>PAYSON</u>			<u>PHOENIX</u>		<u>PRESCOTT</u>	
1989	May 12	October 26	1/	1/	April 27	October 26
1990	May 3	October 10	February 16	December 23	May 2	October 9
1991	May 12	October 27	1/	1/	May 11	October 26
1992	April 21	October 8	1/	1/	April 20	November 1
1993	June 7	October 28	1/	1/	May 9	October 21
<u>SAFFORD</u>			<u>TUCSON</u>		<u>WILLCOX</u>	
1989	March 5	October 28	March 5	November 28	April 28	October 27
1990	March 16	November 5	March 15	November 28	March 30	October 22
1991	April 29	October 29	January 31	December 2	April 29	October 29
1992	March 11	November 4	January 17	November 21	March 25	November 2
1993	April 8	October 31	January 5	November 26	April 15	October 31
<u>WINDOW ROCK</u>			<u>WINSLOW</u>		<u>YUMA</u>	
1989	May 13	October 18	April 27	October 18	1/	1/
1990	April 27	October 9	April 3	October 9	February 16	December 23
1991	May 19	October 26	May 12	October 28	February 27	1/
1992	April 21	October 8	March 25	October 8	1/	1/
1993	June 7	September 25	May 9	October 21	1/	1/

1/ No low temperature of 32° or less.

M- Missing

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data.

1993 ARIZONA AGRICULTURAL STATISTICS

MEAN MONTHLY TEMPERATURE: Arizona, 1993, and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Degrees fahrenheit													
Aguila	50.4 47.2	49.8 50.8	57.5 54.2	63.0 61.3	72.6 70.0	79.0 79.6	82.8 86.0	83.0 84.2	76.5 77.6	66.7 66.7	52.8 54.9	47.5 47.4	65.1 65.0
Buckeye	55.4 52.3	56.7 56.7	62.5 61.5	69.3 68.8	80.3 77.0	85.0 86.1	88.9 92.6	89.1 90.5	83.2 83.6	73.5 72.1	58.2 59.9	52.0 52.3	71.2 71.1
Casa Grande	55.7 51.4	55.7 55.5	61.7 60.3	69.6 67.6	80.3 76.4	86.3 85.6	89.8 91.0	88.3 88.6	83.2 82.6	73.7 71.6	58.4 59.3	52.7 51.5	71.3 70.1
Chandler Heights	54.8 51.9	55.0 56.2	60.9 60.8	68.3 68.0	79.1 76.6	84.7 85.5	89.2 90.2	87.4 88.0	82.0 82.9	71.8 72.1	56.9 60.1	51.6 52.1	70.1 70.4
Coolidge	54.5 50.1	54.0 53.8	61.1 57.8	68.2 65.5	79.4 74.6	83.8 84.1	88.6 90.3	88.9 87.9	81.2 82.1	72.5 70.8	56.1 58.1	50.3 50.4	69.9 68.8
Douglas	49.0 44.8	49.0 48.1	54.7 52.9	61.6 59.9	70.3 67.6	78.1 76.7	78.4 78.8	77.9 76.8	72.9 72.7	62.9 63.1	51.9 52.3	46.7 45.4	62.8 61.6
Flagstaff	32.2 28.7	32.5 31.5	40.2 35.3	46.4 42.3	53.9 50.4	60.4 59.8	65.5 66.3	64.8 64.1	57.9 57.3	47.4 47.2	35.0 36.8	30.1 29.6	47.2 45.8
Gila Bend	57.4 54.1	58.6 58.4	64.2 63.2	71.9 70.6	81.6 79.1	87.7 88.1	90.9 94.4	92.0 92.5	87.1 86.6	76.4 75.2	61.1 62.9	54.6 54.7	73.6 73.3
Grand Canyon 3/	30.6	32.4	39.0	44.9	53.3	59.2	65.5	63.4	56.3	46.2	33.7	28.8	46.1
Kingman	43.6 42.6	45.6 46.7	54.0 50.3	60.2 57.5	69.7 66.8	75.8 76.9	79.5 82.8	80.4 80.8	M 74.3	M 63.8	M 51.4	M 43.4	4/ 63.6 61.4
McNary	32.5 30.7	32.5 33.1	38.3 36.8	44.9 44.2	53.9 52.1	61.1 60.9	64.4 65.3	63.4 63.1	57.5 58.1	48.3 49.4	36.7 39.3	32.7 32.3	47.2 47.1
Parker	54.4 53.3	57.8 58.4	65.2 63.4	71.8 70.7	80.6 79.3	85.9 88.2	89.0 94.2	90.7 92.8	85.4 86.2	75.5 74.8	60.3 62.0	53.5 53.4	72.5 73.1
Payson	40.6 39.0	40.9 41.9	48.0 45.6	54.4 52.3	63.5 60.1	68.9 69.4	73.2 75.5	74.3 73.3	67.1 66.8	56.9 57.2	42.9 46.2	39.0 39.2	55.8 55.5
Phoenix	58.2 53.6	58.2 57.7	65.7 62.2	73.8 69.9	83.7 78.8	89.6 88.2	92.9 93.5	91.6 91.5	87.9 85.6	76.7 74.5	61.4 61.9	56.2 54.1	74.7 72.6
Prescott	39.2 36.2	39.8 39.1	47.0 42.7	53.7 49.3	61.8 57.6	67.7 67.2	72.1 73.1	72.0 70.4	65.7 64.5	55.9 54.7	42.3 44.0	37.4 36.6	54.6 53.0
Safford	48.4 43.7	48.4 48.1	55.5 53.5	62.7 60.9	72.5 69.4	79.3 78.8	82.2 83.0	81.7 80.7	74.9 75.0	64.1 64.3	49.8 52.4	44.5 44.2	63.7 62.8
Tucson	55.2 51.3	54.0 54.4	61.3 58.7	68.6 65.8	78.1 74.0	85.0 83.8	88.0 86.6	85.5 84.5	81.4 80.4	72.6 70.4	58.8 59.2	53.4 52.0	70.2 68.4
Willcox	47.8 42.8	48.0 46.0	53.6 50.9	59.2 57.5	68.4 65.2	75.1 74.3	78.7 79.2	78.2 76.7	71.5 71.2	61.5 60.7	49.3 49.8	44.6 43.0	61.3 59.8
Window Rock	31.9 28.5	36.8 33.2	43.1 38.5	47.7 46.3	54.5 54.6	63.9 64.6	71.0 70.0	66.2 67.7	58.7 60.3	49.4 49.8	36.0 38.8	31.4 30.2	49.2 48.5
Winslow	39.1 31.9	40.0 39.0	47.4 45.5	54.8 53.3	63.3 62.3	69.7 72.2	76.0 78.2	73.6 75.7	66.6 68.2	54.7 56.2	40.2 43.9	33.3 33.1	54.9 55.0
Yuma	57.9 56.5	60.1 60.7	69.3 64.9	75.4 71.4	82.3 79.0	88.2 87.6	92.3 93.7	92.2 92.7	88.3 86.8	78.8 76.2	63.1 64.2	57.9 56.4	75.5 74.2

1/ Top row 1993, bottom row long-term average.

2/ Average temperature for eleven months.

3/ Long-term average not available.

4/ Average temperature for eight months.

M- Missing.

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

TOTAL PRECIPITATION: Arizona, 1993 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Inches													
Aguila	M 1.00	4.78 .89	.30 1.14	.00 .31	.00 .19	.00 .12	.00 .91	1.97 1.49	.00 .93	.00 .81	M .78	.00 1.01	2/ 7.05 9.58
Buckeye	4.30 .69	2.70 .71	1.11 .79	.00 .21	.30 .11	.00 .04	.00 .63	2.33 1.16	.00 1.00	.98 .55	1.46 .68	.04 .93	13.22 7.50
Casa Grande	2.92 .73	1.22 .69	.73 .88	.00 .27	.03 .13	T .13	1.08 .88	4.01 1.98	2.16 .86	.03 .77	2.71 .76	T 1.17	14.89 9.25
Chandler Heights	4.28 .83	2.52 .90	.96 1.12	.00 .32	.06 .12	.00 .06	.78 .76	3.75 1.20	.04 .94	.53 .77	3.53 .86	.00 1.16	16.45 9.04
Coolidge	3.92 .75	1.84 .82	2.23 1.00	.00 .31	.21 .13	.00 .11	.62 .95	3.01 1.20	.12 .80	.75 .91	2.79 .76	.05 1.31	15.54 9.05
Douglas	3.20 .73	.79 .52	.44 .40	T .21	1.07 .20	.06 .47	1.92 3.41	2.54 2.98	.45 1.77	.20 1.09	1.21 .60	.60 1.04	12.48 13.42
Flagstaff	9.55 2.04	10.05 2.09	1.54 2.55	.26 1.48	.44 .72	.55 .40	T 2.78	4.19 2.75	1.95 2.03	3.29 1.61	3.02 1.95	.76 2.40	35.60 22.80
Gila Bend	2.61 .61	3.67 .60	.30 .61	.00 .20	.00 .14	.00 .03	.08 .67	.55 1.24	T .71	.38 .45	1.06 .67	T .93	8.65 6.86
Grand Canyon 3/	5.44	3.95	1.27	.00	.41	.44	.00	4.55	.32	2.09	.86	.78	20.11
Kingman	5.87 .92	4.62 .87	.57 1.10	.01 .58	.45 .23	.09 .22	.00 1.11	.34 1.53	.00 .82	M .65	M .81	M .95	4/ 11.95 9.79
McNary	6.45 2.71	5.23 2.29	2.20 3.12	.34 1.29	.57 .76	.04 .72	.39 3.70	4.31 3.72	1.06 2.58	1.79 2.33	2.53 2.34	.51 3.02	25.42 28.58
Parker	4.63 .60	1.53 .44	.95 .50	.00 .17	.02 .06	.00 .02	.00 .30	.27 .54	.00 .50	.16 .37	.56 .45	.03 .55	8.15 4.50
Payson	9.57 2.01	4.71 1.91	2.28 2.36	.00 1.07	.13 .55	.00 .35	.31 2.64	3.28 3.23	.96 2.13	2.74 1.72	3.48 1.85	.21 2.26	27.67 22.08
Phoenix	5.22 .67	1.72 .68	1.62 .88	.00 .22	.08 .12	.01 .13	T .83	.55 .96	.06 .86	1.27 .65	2.79 .66	.02 1.00	13.34 7.66
Prescott	5.36 1.53	5.73 1.54	.64 1.82	.00 .81	1.55 .55	.20 .46	.00 3.20	2.82 3.43	.41 2.00	1.08 1.12	1.49 1.54	.55 1.63	19.83 19.63
Safford	3.10 .68	1.11 .65	.35 .52	.00 .21	.05 .18	.26 .26	.54 1.73	2.22 1.57	.21 1.36	1.17 1.00	.63 .56	.19 .96	9.83 9.68
Tucson	4.81 .87	1.50 .70	.49 .72	.00 .30	.59 .18	.02 .20	.26 2.37	4.93 2.19	.46 1.67	.81 1.06	.98 .67	.14 1.07	14.99 12.00
Willcox	6.12 .94	1.40 .72	.36 .57	.00 .26	.45 .22	.00 .30	1.32 2.67	3.04 2.71	T 1.47	.78 1.16	.89 .61	.28 1.29	14.64 12.92
Window Rock	3.79 .66	.60 .71	.25 .92	.00 .61	.38 .37	.10 .41	.00 1.89	1.50 2.14	.00 1.39	.20 1.26	1.78 1.01	.00 .91	8.60 12.28
Winslow	1.54 .45	.56 .52	.61 .55	T .26	.23 .31	.00 .31	.04 1.20	2.64 1.39	T .91	1.13 .91	.49 .57	.06 .66	7.30 8.04
Yuma	1.69 .35	1.00 .22	.38 .21	.00 .14	.05 .04	.00 .02	.00 .26	.15 .64	.12 .31	.03 .29	.89 .24	T .45	4.31 3.17

1/ Top row 1993, bottom row long-term average.

2/ Total precipitation for eleven months.

3/ Long-term average not available.

4/ Total precipitation for nine months.

T- Trace

M- Missing

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Climatological Data.

FARM LABOR

The farm employment and wage rate estimates are for the week that includes the 12th of the month. This 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. This concept was adopted in 1982 to provide data users with an agricultural series analogous with 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 survey week. 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: Arizona, Mountain III Region, by survey week, January 1989-April 1994 1/

Survey week and year	Number of workers							Hours worked per worker			
	Hired			Other			Total all farm workers				
	150 days or more	149 days or less	Total	Self-employed	Unpaid	Total		Self-employed	Unpaid	Hired	
Thousands											Hours
1989											
January 8-14	12	1	13	11	22	33	46	27.0	35.1	46.9	
April 9-15	13	2	15	12	23	35	50	28.8	30.2	48.6	
July 9-15	15	3	18	11	24	35	53	46.6	44.6	52.9	
October 8-14	15	3	18	11	24	35	53	43.5	39.5	48.7	
1990											
January 7-13	12	2	14	11	24	35	49	33.7	29.3	46.4	
April 8-14	14	2	16	11	23	34	50	36.0	32.3	50.8	
July 8-14	16	3	19	10	25	35	54	41.6	36.1	48.7	
October 7-13	15	2	17	11	26	37	54	38.5	38.6	49.4	
1991											
January 6-12	11	2	13	12	25	37	50	28.3	36.6	46.4	
April 7-13	13	3	16	10	25	35	51	31.1	25.8	45.2	
July 7-13	19	4	23	12	24	36	59	43.4	41.0	45.8	
October 6-12	15	5	20	14	24	38	58	38.3	29.0	46.1	
1992											
January 12-18	17	3	20	13	22	35	55	32.0	34.2	41.5	
April 12-18	17	3	20	13	23	36	56	39.1	29.0	46.5	
July 12-18	16	4	20	12	26	38	58	40.4	30.6	44.2	
October 11-17	12	6	18	13	26	39	57	38.0	36.8	46.4	
1993											
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	37.3	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	
1994											
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	

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

FARM WAGE RATES:: Mountain III Region, by survey week, January 1989-April 1994 1/

Survey week and year	All hired workers	Type of work					Method of pay		
		Field	Livestock	Combined field and livestock	Super- visory	Other	Hourly	Piece rate	Other
Dollars per hour									
1989									
January 8-14	5.04	4.68	4.57	4.64	6.47	6.78	4.77	2/	5.42
April 9-15	5.33	4.82	5.03	4.90	7.44	7.19	4.63	2/	6.71
July 9-15	4.94	4.13	4.63	4.29	8.40	6.87	4.52	2/	5.69
October 8-14	5.32	4.82	4.54	4.70	8.88	7.52	4.80	2/	5.99
1990									
January 7-13	5.51	4.96	5.20	5.04	8.92	7.87	4.99	2/	6.15
April 8-14	5.23	4.74	4.88	4.81	7.75	6.61	4.85	5.85	5.68
July 8-14	5.13	4.51	5.16	4.71	7.94	2/	4.79	2/	5.96
October 7-13	5.45	5.04	4.90	4.98	7.64	6.72	5.24	2/	5.74
1991									
January 6-12	5.77	5.09	5.15	5.12	8.31	2/	5.21	2/	6.38
April 7-13	5.33	4.98	5.11	5.03	7.74	2/	4.95	2/	5.94
July 7-13	5.43	5.06	5.29	5.12	7.19	7.27	5.12	2/	5.93
October 6-12	5.65	5.33	5.44	5.36	2/	2/	5.26	2/	6.22
1992									
January 12-18	6.30	5.98	5.77	5.94	2/	7.94	6.14	6.13	7.11
April 12-18	5.51	4.97	5.49	5.14	2/	2/	5.12	2/	6.25
July 12-18	5.64	4.98	5.73	5.16	2/	7.88	5.23	2/	6.72
October 11-17	5.55	4.95	5.34	5.06	2/	2/	5.18	2/	6.79
1993									
January 10-16	6.37	5.32	6.48	5.73	10.15	7.95	5.77	2/	7.60
April 11-17	5.79	5.20	2/	5.43	7.45	2/	5.24	2/	2/
July 11-17	5.93	5.41	5.75	5.52	2/	2/	5.43	2/	2/
October 10-16	6.04	5.20	6.01	5.48	2/	2/	5.32	2/	2/
1994									
January 9-15	6.38	5.79	6.08	5.88	2/	9.93	5.66	7.35	7.32
April 10-16	6.35	5.60	6.09	5.81	9.49	2/	5.89	2/	6.93

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

2/ Insufficient 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 number.

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

AGRICULTURAL EXPORTS: Arizona's equivalent share of value, by commodity group, fiscal years 1988/89-1992/93 ^{1/}

COMMODITY GROUP	1988/89	1989/90	1990/91	1991/92	1992/93
Million dollars					
Wheat and products	22.1	23.8	12.1	14.1	16.3
Cotton, including linters	147.8	251.1	169.8	134.9	81.8
Cottonseed and products	7.6	8.4	4.8	6.5	5.2
Fruits and preparations	41.7	50.8	63.9	71.5	47.1
Vegetables and preparations	23.7	31.0	44.9	56.3	52.3
Live animals and meat (excludes poultry)	26.2	24.4	27.0	34.1	32.7
Hides and skins	19.4	16.1	12.4	12.5	12.0
Fats, oils, and greases	6.2	4.3	3.5	4.4	4.6
Dairy products	4.4	3.5	3.0	7.2	9.1
Other	18.0	20.7	24.8	30.1	28.7
ARIZONA	317.1	434.2	366.1	371.4	289.8
UNITED STATES	39,610.7	40,219.6	37,609.2	42,429.8	42,589.8

^{1/} Fiscal years October 1-September 30.

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

VALUE OF U.S. FOREIGN TRADE AND TRADE BALANCE: Agricultural and nonagricultural, 1988/89-1992/93 1/

Year	Agricultural	Nonagricultural	Total	Agricultural percent of total
Million dollars				
Percent				
U.S. EXPORTS 2/				
1988/89	39,637	301,222	340,859	12
1989/90	40,271	326,008	366,279	11
1990/91	37,609	356,682	394,291	10
1991/92	42,430	383,517	425,947	10
1992/93	42,590	390,770	433,360	10
U.S. IMPORTS 3/				
1988/89	21,477	441,074	462,551	5
1989/90	22,560	458,101	480,661	5
1990/91	22,588	463,720	486,308	5
1991/92	24,323	488,556	512,879	5
1992/93	24,454	537,584	562,038	4
TRADE BALANCE				
1988/89	18,160	-139,852	-121,692	
1989/90	17,711	-132,093	-114,382	
1990/91	15,021	-107,038	-92,017	
1991/92	18,107	-105,039	-86,932	
1992/93	18,136	-146,814	-128,678	

1/ Fiscal years October 1-September 30. 2/ Domestic exports, including Defense Department Grant-Aid. 3/ Imports for consumption, customs value basis. Source: United States Department of Agriculture, Economic Research Service; Foreign Agriculture Trade of the United States.

COTTON SUPPLY AND USE: World, United States, major exporters and importers; marketing years 1992/93 and 1993/94 1/

Region	Supply			Use		Loss 2/	Ending stocks
	Beginning stocks	Production	Imports 3/	Domestic	Exports 3/		
Million 480 pound bales							
1992/93							
World	40.62	82.78	25.45	85.41	24.82	.10	38.51
United States	3.70	16.22	4/	10.25	5.20	-.19	4.66
Total Foreign	36.91	66.57	25.45	75.16	19.62	.29	33.85
Major exporters 5/	28.14	58.64	2.58	48.12	15.56	.13	25.55
China	14.48	20.70	.24	21.70	.68	.00	13.04
Pakistan	2.98	7.07	.02	6.63	1.18	.10	2.16
India	2.73	10.93	.06	9.68	1.07	.00	2.97
Uzbekistan	2.30	6.00	.00	.95	5.50	.00	1.85
Turkmenistan	.54	1.79	.00	.08	1.80	.00	.45
African Free Zone 6/	.46	2.50	.02	.28	2.10	.00	.60
Southern Hemisphere 7/	3.91	5.12	.99	4.22	2.66	.01	3.13
Australia	.85	1.71	4/	.13	1.70	.00	.73
Brazil	2.14	2.11	.97	3.45	.11	.00	1.66
Major importers	5.14	1.67	17.88	18.50	1.07	.05	5.07
Europe	2.38	1.55	6.03	6.81	.91	.01	2.24
Selected Asia 8/	2.59	.12	9.75	9.59	.17	.05	2.66
Japan	.58	.00	2.23	2.30	.00	.00	.50
South Korea	.57	4/	1.73	1.65	.00	.00	.65
Russia	.16	.00	2.10	2.10	.00	.00	.16
1993-94 (Estimated)							
World	38.51	76.03	26.77	84.35	26.70	.18	30.08
United States	4.66	16.15	4/	10.30	7.00	-.09	3.60
Total Foreign	33.85	59.89	26.76	74.05	19.70	.27	26.48
Major exporters 5/	25.55	52.63	4.16	47.25	15.70	.14	19.25
China	13.04	17.20	1.20	20.70	.60	.00	10.14
Pakistan	2.16	6.02	.30	6.10	.33	.10	1.96
India	2.97	9.40	.15	10.00	.35	.00	2.17
Uzbekistan	1.85	6.20	.00	1.05	6.10	.00	.90
Turkmenistan	.45	1.85	.00	.10	2.00	.00	.20
African Free Zone 6/	.60	2.33	.04	.33	2.24	.00	.39
Southern Hemisphere 7/	3.13	4.98	1.67	4.51	2.88	.01	2.38
Australia	.73	1.45	4/	.14	1.65	.00	.39
Brazil	1.66	1.85	1.60	3.70	.03	.00	1.39
Major importers	5.07	1.53	17.23	18.26	1.08	.06	4.43
Europe	2.24	1.48	6.11	6.95	.92	.01	1.96
Selected Asia 8/	2.66	.05	8.92	9.11	.16	.05	2.31
Japan	.50	.00	2.02	2.06	.00	.00	.46
South Korea	.65	4/	1.47	1.50	.00	.00	.62
Russia	.16	.00	2.20	2.20	.00	.00	.16

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 ending stocks based on Bureau of Census data and implicit stocks based on supply less total use. 3/ World trade includes estimated trade among the 12 Republics of the former Soviet Union and three Baltic States. 4/ Less than 5,000 bales. 5/ Includes Egypt, Sudan and Turkey, in addition to countries and regions listed. 6/ Benin, Burkina, Faso, Cameroon, Central African Republic, Chad, Cote d'Ivoire, Mali, Niger, Senegal, and Togo. 7/ Argentina, Australia, Brazil, and Paraguay. 8/ Hong Kong, Indonesia, Japan, South Korea, Taiwan, and Thailand.

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

1993 ARIZONA AGRICULTURAL STATISTICS

AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1993

County	Parcels	Acres	Reported Value 1/
	Number		1,000 dol.
Cochise	3	6,679	540
Coconino	2	45,967	170
Gila	24	5,928	954
Graham	1	87	35
Maricopa	96	94,781	222,393
Navajo	1	640	3
Pima	13	101,337	27,818
Pinal	24	51,566	28,469
Santa Cruz	7	6,757	5,082
Yavapai	4	21,119	2,398
Yuma	13	1,215	2,986
Total	188	336,076	290,848

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

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1993; County Level Data.

AGRICULTURAL LANDHOLDINGS BY COUNTRY OF FOREIGN OWNERS: Arizona, by county, December 31, 1993

County	Canada	France	Germany	Switzerland	United Kingdom	All other
	Acres					
Cochise	5,612	0	750	0	0	317
Coconino	320	0	0	0	0	45,647
Gila	5,928	0	0	0	0	0
Graham	87	0	0	0	0	0
Maricopa	5,641	0	1,030	68,465	388	19,257
Navajo	640	0	0	0	0	0
Pima	300	0	0	0	0	101,037
Pinal	3,364	3,530	6,977	0	0	37,695
Santa Cruz	560	0	6,197	0	0	0
Yavapai	113	0	0	19,899	0	1,107
Yuma	5	0	0	240	0	970
Total	22,570	3,530	14,954	88,604	388	206,030

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1993; County Level Data.

USE OF AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1993

County	Cropland	Pasture	Forest	Other agriculture	Other Non-agriculture	Total
	Acres					
Cochise	0	6,679	0	0	0	6,679
Coconino	0	320	0	45,647	0	45,967
Gila	0	5,915	13	0	0	5,928
Graham	40	47	0	0	0	87
Maricopa	57,778	8,568	0	3,354	25,081	94,781
Navajo	0	640	0	0	0	640
Pima	764	100,180	0	43	350	101,337
Pinal	10,572	32,016	441	5,616	2,921	51,566
Santa Cruz	0	6,757	0	0	0	6,757
Yavapai	720	20,399	0	0	0	21,119
Yuma	1,055	0	0	128	32	1,215
Total	70,929	181,521	454	54,788	28,384	336,076

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1993; County Level Data.

UPLAND COTTON OBJECTIVE YIELD FORECASTING PROGRAM

The upland cotton yield forecasting program of the Arizona Agricultural Statistics Service includes both regular interviews with farmers, and objective measurements from samples in randomly selected fields.

During the yield forecasting season (August 1 to harvest), trained enumerators make monthly visits to randomly selected fields across the State. Row space measurements, plant counts, fruit counts, and other pertinent information affecting crop yields are recorded. The grower is interviewed to obtain information about acreage, seeding rates, fertilizer applied, and other information about the fields where objective counts are to be conducted. A State yield is generated from the different models used to forecast total bolls expected, average boll weight, and harvesting loss.

The number of samples varies from year to year as a result of changes in program size, grower refusals, or losses because of abandonment. Samples are also visited after the crop is harvested to obtain measurement of harvesting loss and other information affecting production.

The sample data published below were edited to eliminate nonrepresentative reports but still contain some sampling fluctuation. They are not official Agricultural Statistics Board estimates, but provide indications and trends in cropping practices.

FERTILIZER USED ON UPLAND COTTON ACREAGE HARVESTED: Arizona, 1989-93

Year	Fields in survey	Acres receiving				Application rate per acre 1/			Acres fertilized 2/		
		Any fertilizer	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	At or before seeding	After seeding	Both
	Number		Percent				Pounds			Percent	
1989	91	95	95	51	3	178	64	3/	11	45	44
1990	79	94	94	47	8	155	68	21	11	59	30
1991	78	99	99	62	18	170	66	10	12	38	51
1992	84	99	94	43	9	132	45	24	7	71	22
1993	81	98	98	44	10	149	68	5	3	63	34

1/ To convert phosphoric oxide (P₂O₅) to elemental phosphorus (P), the quantity of P₂O₅ should be multiplied by 0.43642. To convert potassium oxide (K₂O) to elemental potassium (K) multiply by 0.83016.

2/ Percentages apply to acres receiving fertilizer, not to total acres harvested.

3/ Insufficient data.

Source: United States Department of Agriculture, Economic Research Service; Agricultural Resources, Inputs, Situation and Outlook Report.

UPLAND COTTON SAMPLES: Percent distribution by row spacing, average row width, seeding rate, and plant population, Arizona, 1989-93

Year	Cotton samples	Row spacing (inches) 1/				Average row width	Seeding rate per acre 2/	Plants per acre
		36.5 and less	36.3 - 38.5	38.6 - 40.5	40.6 and greater			
	Number		Percent			Inches	Pounds	Number
1989	103	16	34	38	12	38.2	20.4	42,090
1990	104	10	43	37	10	38.4	23.1	44,656
1991	107	16	43	37	4	37.8	18.9	38,177
1992	97	7	50	35	8	38.4	17.2	38,781
1993	103	17	49	26	8	37.6	18.0	35,802

1/ Measurement across 8 row spaces in each sample field.

2/ Acid delinted basis.

UPLAND COTTON SAMPLE COUNTS: Bolls produced, weight, lint loss, and yield per acre, Arizona, 1989-93

Year	Final count of large bolls produced per ten feet of row 1/	Adjusted average weight per boll		Unopened bolls not harvested per ten feet of row 1/		Lint loss per acre after all harvest complete	Final adopted yield per acre
		Seed cotton 2/	Lint	Bolls	Lint equivalent per acre		
	Number	Grams	Grams	Number	Pounds	Pounds	Pounds
1989	308	4.08	1.58	3	16.1	86	1,303
1990	292	3.96	1.54	4	19.6	115	1,119
1991	271	4.06	1.57	4	18.6	73	1,201
1992	256	3.90	1.52	3	15.2	92	1,077
1993	268	4.13	1.59	4	19.2	91	1,219

1/ A "large" boll is one inch or greater in diameter, opened or unopened. Counts are actually made on 46 feet of row in each sample field.

2/ Seed cotton adjusted to 5 percent moisture; 453.6 grams equal one pound.

1993 ARIZONA AGRICULTURAL STATISTICS

UPLAND COTTON: Ginning charges, harvesting practices, and selected marketing costs, Arizona, 1988/89-1992/93

Item	Unit	1988/89	1989/90	1990/91	1991/92	1992/93
BALES GINNED 1/ (running bales)	Thousands	808	619	954	1,018	805
ACTIVE GINS	Number	89	89	90	85	81
GINNING AND WRAPPING CHARGES:						
Total charge per 480-lb. net weight bale 2/	Dollars	41.04	42.15	41.95	41.88	41.49
METHOD OF HARVESTING:						
Machine-picked	Percent	96	96	99	96	95
Machine-scrapped	Percent	4	4	1	4	5
WEIGHT OF SEED COTTON PER 480-LB. NET WEIGHT BALE:						
Machine-picked	Pounds	1,492	1,501	1,473	1,452	1,464
Machine-scrapped	Pounds	1,824	1,946	1,950	1,801	1,753
COTTON GINNED FROM:						
Trailers	Percent	30	23	32	27	17
Modules	Percent	70	77	68	73	83
CHARGES FOR WAREHOUSING AND RELATED SERVICES 3/:						
Charge per bale per month for insured storage	Dollars	1.94	1.97	1.97	1.99	2.00
Charge per bale for compressing to universal density	Dollars	5.75	5.75	5.75	6.25	6.50
Charge per bale for outhandling	Dollars	4.82	4.82	4.82	4.87	5.16

1/ Excludes all American-Pima and upland cotton ginned on roller gins. 2/ Includes bagging and ties, drying of seed cotton, lint cleaning, and insurance, but does not reflect any patronage dividends, rebates, transportation to warehouses, industry organization dues, or cotton classing fees. 3/ Based on published tariffs.

Source: United States Department of Agriculture, Economic Research Service, National Economics Division; Cotton Ginning Charges, Harvesting Practices, and Selected Marketing Costs.

ALL COTTON: Running bales ginned and produced, Arizona, by counties 1991-93

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
COCHISE				MARICOPA			
1991	23,700	24,100	23,900	1991	412,400	422,700	377,700
1992	14,100	14,500	14,100	1992	321,800	328,950	296,100
1993	15,400	15,900	14,250	1993	356,850	363,850	337,100
PIMA				PINAL			
1991	38,900	40,050	27,500	1991	369,250	380,800	413,200
1992	32,000	32,800	30,400	1992	284,950	292,050	309,950
1993	2/			1993	250,100	257,900	264,000
YUMA				OTHER COUNTIES			
1991	70,750	73,200	71,850	1991	103,000	105,400	137,250
1992	54,550	56,500	54,650	1992	97,950	100,400	134,300
1993	58,800	61,050	57,700	1993	135,600	140,500	179,650
TOTAL AMERICAN-PIMA COTTON				TOTAL UPLAND COTTON			
1991	178,900	183,950	178,900	1991	839,100	862,300	872,500
1992	134,150	137,900	134,100	1992	671,200	687,300	707,400
1993	84,550	87,250	84,150	1993	732,200	751,950	768,550
ARIZONA ALL COTTON							
1991	1,018,000	1,046,250	1,051,400				
1992	805,350	825,200	841,500				
1993	816,750	839,200	852,700				

1/ Excludes linters.

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

UPLAND COTTON: Estimated percentage planted to specified varieties; Arizona, by counties 1993 and crop year, 1989-93

Variety	County				Crop year				
	Cochise, Graham and Greenlee	Maricopa	Pinal	La Paz, Mohave, Pima and Yuma	1989	1990	1991	1992	1993
		Percent					Percent		
Acala 1517 E-2	2.3				.9	.5	*	*	*
Acala 1517-75	2.3				.9	.6	.5	*	*
Acala 1517-77					*			*	
Acala 1517-88	4.7				1.2	.8	1.3	.8	*
Acala 1517-SR2					1.0	.7	*		*
Acala 1517-SR3	4.5								*
Acala 1517-91	11.4								.9
Cargill Paymaster HS 26						.6	.5	*	
Chembred CB 219	3.5							*	*
Chembred CB 1135		2.4					.5	.5	.9
Chembred CB 407							.7		*
Del Cerro	1.7				.7	*	*		*
Deltapine Acala 90	55.3	1.5	9.4	.8	54.9	52.2	37.5	15.7	8.4
Deltapine DP 5415	2.1	75.7	59.4	51.4			2.5	49.8	59.8
Deltapine DP 5461		.6	.8	.5			.8	1.9	.6
Deltapine DP 5690		2.0	10.5	2.9			3.0	1.2	5.1
Deltapine DP 5816		2.8	*	6.6			11.3	4.7	2.3
Deltapine 20		7.3	2.2	8.6	4.3	4.0	5.8	6.5	5.1
Deltapine 41			3.4		2.2	1.0	2.5	.5	1.2
Deltapine 50				13.0	2.4	6.1	4.7	1.8	2.3
Deltapine 51			.6	1.3	*	2.1	3.5	1.4	*
Deltapine 61					4.7	4.6			
Deltapine 77					21.3	20.7	6.3	.5	
Deltapine Suregrow DES-119				4.6	2.0		1.4		.8
Hyperformer HS 46			4.7				4.5	2.3	1.7
Stoneville KC 311	5.4	1.3	2.6	.8	.6		1.6	.8	2.0
Stoneville 112							*		
Stoneville 324	6.0								
Stoneville 453							1.4	2.0	*
Stoneville 506					*			*	
Stoneville 907							.8		
Stoneville LA-887									.5
Sure-Grow 1001		1.4	1.0	.8		.8	2.7	3.2	1.0
Terra C-40							.7	.6	*
All Other	.8	5.1	5.2	8.5	2.9	5.3	5.5	4.8	7.4

* Less than 0.5 percent.

Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division.

1993 ARIZONA AGRICULTURAL STATISTICS

ALL COTTON: Domestic mill consumption, stocks, and exports, United States, 1988/89-1993/94

Season beginning August 1	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season totals 1/
1,000 bales													
Mill consumption 2/													
1988/89	577	693*	552	523	572*	568	584	751*	623	645	798*	559	7,444
1989/90	689	860*	690	642	685*	630	658	826*	650	667	826*	559	8,383
1990/91	680	835*	671	610	601*	3/	--	2,068	--	--	2,212	--	--
1991/92	--	2,215	--	--	2,199	870	730	898*	718	752	885*	682	--
1992/93	776	950*	799	756	792*	788	796	976*	778	792	951*	694	9,846
1993/94 5/	801	965*	792	731	790*								
Mill consumption per day													
1988/89	28.8	27.7	27.6	26.1	22.9	28.3	29.2	30.0	31.2	32.2	31.9	27.9	28.6
1989/90	34.4	34.4	34.5	32.1	27.4	31.5	32.9	33.0	32.5	33.3	33.0	28.0	32.2
1990/91	34.0	33.4	33.6	30.5	24.0	3/	--	32.3	--	--	34.0	--	--
1991/92	--	33.6	--	--	33.3	34.8	36.5	35.9	35.9	37.6	35.4	34.1	--
1992/93	38.8	38.0	39.9	37.8	31.7	39.4	39.8	38.9	38.9	39.6	38.0	34.7	37.9
1993/94 5/	40.1	38.6	39.6	36.6	31.6								
Stocks in consuming establishments 4/													
1988/89	651	581	568	555	571	588	631	612	627	645	603	606	--
1989/90	600	590	552	544	584	661	689	696	685	675	667	672	--
1990/91	619	531	519	514	581	3/	--	663	--	--	722	--	--
1991/92	--	570	--	--	580	594	580	631	637	628	641	663	--
1992/93	636	555	515	519	599	626	639	682	698	701	692	694	--
1993/94 5/	629	633	579	575	620								
Stocks in public storage 4/													
1988/89	4,432	5,017	8,259	11,722	13,481	13,109	12,048	10,607	9,362	8,170	6,771	5,929	--
1989/90	4,975	4,458	7,378	10,558	10,762	9,524	8,052	6,566	5,447	4,224	3,185	2,187	--
1990/91	1,615	2,451	6,126	8,930	9,875	3/	--	5,681	--	--	2,491	--	--
1991/92	--	2,223	--	--	11,075	10,290	9,206	7,696	6,273	5,057	3,723	2,806	--
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 5/	3,036	3,147	7,204	11,046	11,888								
Exports 4/													
1988/89	248	173	292	352	524	756	514	597	575	795	515	649	5,987
1989/90	431	384	507	469	516	909	840	882	818	495	510	550	7,310
1990/91	480	355	433	591	639	1,112	950	804	960	488	404	273	7,488
1991/92	219	126	239	396	674	961	725	791	787	535	430	466	6,348
1992/93	252	263	277	342	528	501	502	533	639	401	317	395	4,950
1993/94 5/	246	299	317	385	557								

* 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; first quarter 1991 based on 64 days; second quarter, 65 days; and third and fourth quarters, 66 days.

3/ Data released monthly except for period beginning January 1, 1991 through December 31, 1991 when data was released quarterly.

4/ These data refer to a particular day near the end of the month.

5/ Preliminary.

Source: United States Department of Agriculture, Foreign Agricultural Service and Bureau of Census.

COTTON PROGRESS: Arizona, by survey week, 1989-93

Month and week	1989	1990	1991	1992	1993	5-year average
Percent of acreage						
PLANTED						
Mar. 21	14	13	4	7	5	9
28	29	24	5	12	7	15
Apr. 4	48	37	9	22	15	26
11	72	70	24	32	24	44
18	82	81	30	40	38	54
25	86	86	54	59	62	69
May 2	90	90	68	72	76	79
9	94	94	84	85	87	89
16	98	98	91	93	93	95
23	99	99	97	98	98	98
30	100	100	100	99	100	100
June 6				100		100
SQUARING						
May 23	56	2	2	7	10	21
30	72	14	12	25	28	30
June 6	86	34	15	40	41	43
13	95	52	38	59	58	60
20	97	78	63	78	75	78
27	98	95	75	88	88	89
July 4	100	98	90	93	94	95
11		99	96	98	97	98
18		100	99	99	99	99
25			100	100	100	100
SETTING BOLLS						
June 6	34	5	0	0	2	8
13	50	15	2	3	8	16
20	70	46	7	10	25	32
27	79	64	18	24	41	45
July 4	85	75	39	48	57	61
11	92	85	62	68	70	75
18	96	93	74	86	85	87
25	98	97	88	95	95	95
Aug. 1	99	99	94	99	99	98
8	99	100	98	100	100	99
15	100		100			100
OPEN BOLLS						
July 25	3	10	12	0	5	6
Aug. 11	18	18	17	17	16	17
8	27	26	28	25	28	27
15	42	38	39	36	40	39
22	51	51	46	50	58	51
29	66	67	73	70	76	70
Sept. 5	78	77	93	82	90	84
12	85	83	97	92	95	90
19	88	87	100	97	98	94
26	94	93		98	100	97
Oct. 3	97	96		100		99
10	98	99				99
17	100	100				100

Continued--

1993 ARIZONA AGRICULTURAL STATISTICS**COTTON PROGRESS: Arizona, by survey week, 1989-93--continued**

Month and week	1989	1990	1991	1992	1993	5-year average
Percent of acreage						
HARVESTED						
Sept. 5	1	1	0	6	1	2
12	5	4	1	11	10	6
19	7	8	4	17	13	10
26	9	12	9	22	21	15
Oct. 3	13	18	14	28	28	20
10	20	28	22	40	40	30
17	29	42	32	58	57	44
24	40	56	44	70	68	55
31	50	68	58	73	74	65
Nov. 7	59	80	70	83	85	75
14	70	87	82	93	90	84
21	77	92	89	97	94	90
28	85	97	95	98	95	94
Dec. 5	95	99	98	99	97	98
12	98	100	99	100	100	99
19	99		100			100
26	100					100

PASTURE AND RANGE FEED CONDITIONS: Arizona, May-November 1989-93

Year	May	June	July	August	September	October	November
Percent 1/							
1989	75	72	54	54	64	55	55
1990	56	43	48	63	70	81	77
1991	87	85	70	77	65	60	55
1992	95	100	87	92	105	92	88
1993	90	90	81	70	75	68	74

1/ Good to excellent, 80 and over; poor to fair, 65-79; very poor, 50-64; severe drought, 35-49; drought, under 35.

SMALL GRAINS PROGRESS: Arizona, by survey week, 1989-93

Month and week 1/	1989	1990	1991	1992	1993	5-year average
Percent of acreage						
PLANTED						
Nov. 15	4	14	9	12	8	9
22	13	19	12	22	20	17
29	23	23	40	35	33	31
Dec. 6	37	41	53	54	52	47
13	54	60	66	60	60	60
20	72	73	78	71	70	73
27	81	82	84	78	75	80
Jan. 3	86	87	93	85	80	86
10	91	94	93	89	82	90
17	95	96	96	95	83	93
24	97	99	97	98	88	96
31	98	100	98	99	93	98
Feb. 7	99		100	100	98	99
14	100				100	100

See footnote at end of table

Continued--

SMALL GRAINS PROGRESS: Arizona, by survey week, 1989-93

Month and week	1989	1990	1991	1992	1993	5-year average
<u>Percent of acreage</u>						
<u>JOINTING</u>						
Feb. 7	17	18	17	8	8	14
14	20	27	30	15	13	21
21	32	48	36	30	25	34
28	46	68	42	40	35	46
Mar. 7	64	82	52	60	47	61
14	80	89	59	80	60	74
21	90	94	72	90	75	84
28	98	97	80	94	90	92
Apr. 4	100	99	96	99	94	98
11		100	98	100	98	99
18			100		99	100
25					100	100
<u>HEADING</u>						
Feb. 28	6	13	1	0	0	4
Mar. 7	7	17	6	7	1	8
14	10	20	8	15	5	12
21	23	30	15	25	20	23
28	46	40	19	43	33	36
Apr. 4	66	66	61	63	53	62
11	82	82	75	72	70	76
18	91	92	84	81	83	86
25	96	96	94	90	94	94
May 2	98	96	97	97	97	97
9	99	97	98	99	99	98
16	100	98	100	100	100	100
23		99				100
30		100				100
<u>TURNING COLOR</u>						
Apr. 4	8	3	4	5	0	5
11	16	12	15	10	8	12
18	26	27	25	20	23	24
25	36	44	37	31	45	39
May 2	52	61	50	54	60	55
9	68	76	71	78	75	74
16	81	85	86	87	88	85
23	92	90	95	96	98	94
30	98	95	98	99	100	98
June 6	99	99	100	100		100
13	100	100				100
<u>HARVESTED</u>						
May 23	27	18	4	8	15	14
30	48	29	14	25	35	30
June 6	72	49	33	45	55	51
13	82	72	61	65	73	71
20	92	89	71	84	85	84
27	99	98	81	93	95	93
July 4	99	100	94	97	98	98
11	100		98	99	99	99
18			100	100	100	100

1/ November and December of previous year.

PESTICIDE SALES: By type, Arizona, 1988-92 1/

Pesticide type	1988	1989	1990	1991	1992
1,000 lbs. technical material					
INSECTICIDES					
Acaphate	7	77	57	49	72
Azinphos-Methyl	2	38	90	37	28
Carbaryl	22	10	2/	3	5
Chlordimeform	28	14	0	0	0
Chlorpyrifos	160	62	87	85	61
DDVD	9	7	34	8	16
Diazinon	53	25	8	7	16
Dimethoate	64	14	9	16	12
Disulfoton	2	147	16	18	27
Endosulfan	4	0	12	27	82
Malathion	44	72	30	52	93
Methomyl	29	67	78	60	77
Mevinphos	44	26	7	9	20
Oxydisulfoton	3	2/	14	53	29
Parathion-Ethyl	0	0	0	24	12
Parathion-Methyl	0	0	0	88	43
Sulfur	415	349	31	372	86
Other	122	103	93	95	86
TOTAL	1,008	1,011	566	1,003	765
HERBICIDES					
Benefin	1	10	7	18	22
Bensulide	1	5	8	11	11
Cyanazine	17	17	30	21	19
DCPA	1	7	22	25	45
Diuron	13	14	22	29	25
EPTC	5	40	44	47	47
Glyphosate	85	124	58	54	87
MSMA	28	6	2/	20	12
Pendimethalin	23	35	39	35	34
Prometryn	7	54	76	130	68
Pronamide	1	12	12	12	24
Trifluralin	19	43	61	62	45
Other	44	49	25	30	66
TOTAL	245	416	404	494	505
FUNGICIDES AND BACTERICIDES					
Copper Sulfate	7	43	83	151	301
Mancozeb	7	3	3	2	9
Maneb	2/	0	0	2/	12
Metalaxyl	5	10	2	2	5
PCNB	2/	3	5	3	3
Zinc Sulfate	2/	2/	8	3	3
Other	5	9	13	8	22
TOTAL	24	68	114	169	355
DEFOLIANTS, DESSICANTS, AND GROWTH REGULATORS					
Arsenic Acid	2	24	3	2/	0
DEF	13	37	69	50	47
Merphos	0	18	29	73	2/
Paraquat	2/	7	5	7	10
Sodium Chlorate	410	463	438	685	539
Other	61	18	11	13	14
TOTAL	486	567	555	828	610
FUMIGANTS					
Dichloropropene	0	204	39	9	0
Metam Sodium	2/	7	65	32	10
Methyl Bromide	29	8	0	0	0
Other	10	5	0	0	0
TOTAL	39	224	104	41	10

1/ Survey results do not represent total pesticide sales. Data are tabulated only for those responding with no allowance for non-respondents.
 2/ Less than 1,000 pounds. Source: University of Arizona, College of Agriculture, Council for Environmental Studies; Pesticide Sales Survey.

COMMERCIAL FERTILIZERS AND MINERALS SOLD: Arizona, 1989-93

Fertilizer and minerals	1989	1990	1991	1992	1993
<u>Tons</u>					
<u>DRY FERTILIZERS</u>					
Ammonium phosphate, 11-52(53)-0	30,412	30,873	27,974	28,223	31,798
Ammonium phosphate, 11-48-0	137	500	0	0	0
Ammonium phosphate, 16-20-0	9,180	6,956	6,136	6,613	6,371
Ammonium phosphate, 18-46-0	4,959	3,687	3,699	3,446	1,964
Other dry mixed fertilizer	22,842	27,881	32,086	33,920	39,546
Ammonium nitrate	4,480	4,314	4,245	4,187	3,506
Ammonium sulfate	9,727	9,491	11,634	8,992	7,624
Calcium nitrate and sodium nitrate	825	1,353	894	1,187	1,349
Potassium sulfate and/or chloride	1,003	2,561	1,398	709	720
Superphosphate, treble	2,201	2,995	1,491	829	1,148
Urea	25,028	20,173	17,579	18,429	20,198
Miscellaneous, dry (unmixed)	1,312	1/	1/	1/	1/
Total Dry Fertilizers	112,106	110,783	107,136	106,534	114,224
<u>LIQUID FERTILIZERS</u>					
Anhydrous ammonia	21,351	20,287	13,872	15,799	14,614
Ammonia solution, 20-0-0	6,357	7,460	8,458	5,688	5,097
Ammonium nitrate solution, 20-0-0	21,757	21,773	22,527	20,521	33,706
Urea, amm nitrate solution, 32-0-0	115,531	118,025	108,983	108,319	100,886
Calcium amm nitrate solution, 17-0-0	15,675	17,728	18,919	18,013	12,403
Phosphoric acid ¹	1,663	2,082	2,554	1,855	2,761
Miscellaneous liquids	40,855	46,807	35,435	34,778	45,562
Total Liquid Fertilizers	223,189	234,162	210,748	204,972	215,029
<u>AGRICULTURAL MINERALS</u>					
Gypsum	69,848	64,372	60,219	40,074	30,528
Iron products	2,703	3,377	786	1,086	850
Sulfur products	1,667	2,178	1,603	1,397	5,165
Lime sulfur solution	414	289	252	261	1,157
Sulfuric acid	6,748	6,266	7,999	9,749	9,457
Micro nutrients	4,553	1,484	2,589	2,133	2,015
Miscellaneous minerals	0	42	0	0	0
Total Agricultural Minerals	85,933	78,009	73,448	54,699	49,172
<u>TOTAL TONNAGE ALL PRODUCTS</u>	421,228	422,954	391,332	366,205	378,425
Tons of Actual Nitrogen ^{2/}	86,950	3/	3/	3/	3/
Tons of Actual Phosphorus ^{2/}	29,148	3/	3/	3/	3/
Tons of Actual Potassium ^{2/}	957	3/	3/	3/	3/

1/ Not available. Amounts included in "other dry mixed fertilizer".

2/ Amounts of available nitrogen, phosphorus, and potassium in the above commercial fertilizer totals.

3/ Not available.

Source: Arizona Department of Agriculture, Environmental Services Division.

CHEMICAL USE ON COTTON

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 fertilizers and pesticides during 1993 on cotton grown in Arizona. The use of trade names is for information only and should not be construed as a recommendation by the Arizona Agricultural Statistics Service.

UPLAND COTTON

Agricultural Chemical Application, Arizona 1993 1/

Agricultural Chemical 2/	Area Applied 3/	Rate per Crop Year	Total Applied
	Percent	Acres	Mil. Lbs.
FERTILIZERS			
Nitrogen	98	149	45.8
Phosphate	44	68	9.5
Potash	10	5	.2
	Percent	Acres	1,000 lbs.
HERBICIDES			
Cyanazine	13	.84	33
Pendimethalin	32	.97	98
Prometryn	46	1.20	174
Trifluralin	38	.56	67
INSECTICIDES			
Acephate	69	1.30	286
Chlorpyrifos	63	1.00	198
Dimethoate	21	.48	32
Endosulfan	11	.85	30
Fenpropathrin	39	.32	39
Lambda-cyhalothrin	42	.05	6
Methamidophos	13	.54	21
Methomyl	15	.30	14
Methyl parathion	18	2.58	147
Oxamyl	13	.67	26
Tralomeethrin	22	.03	2
Zeta-cypermethrin	29	.08	7
OTHER CHEMICALS			
Endothall	14	.09	4
Ethephon	10	1.55	48
Sodium chlorate	47	4.31	644
Thidiazuron	42	.06	8
Tribufos	47	1.03	154

1/ Area planted in 1993 for Arizona was 316,000 acres.

2/ Insufficient reports to publish data for the following agricultural chemicals: Herbicides: DSMA, Diuron, Fluazifop-P-butyl, Glyphosate, Norflurazon. Insecticides: Amitraz, Azinphos-methyl, Bifenthrin, Cyfluthrin, Esfenvalerate, Ethyl parathion, Malathion, Methidathion, Permethrin, Profenofos, Sulfur, Sulprofos. Other Chemicals: Cacodylic acid, Cytokinins, Dichloropropene, Mepiquat chloride, Paraquat.

3/ Refers to acres reported as receiving one or more applications of a specific agricultural chemical.

Source: United States Department of Agriculture, National Agricultural Statistics Service; Agricultural Chemical Usage, 1993 Field Crops Summary.

**FERTILIZERS AND PESTICIDES
APPLIED TO COTTON**

Common names and Trade names

Common Name	Trade Name
FERTILIZERS	
nitrogen	
phosphate	
potash	
HERBICIDES	
cyanazine	Bladex
DSMA	DSMA
diuron	Karmex, Direx
fluazifop-P-butyl	Fusilade
glyphosate	Roundup, Ranger, Rattler, Rodeo
norflurazon	Sollicam, Evital, Zorial
pendimethalin	Prowl
prometryn	Caparol, Cotton-Pro
trifluralin	Treflan, Trilin, Trific
INSECTICIDES	
acephate	Orthene, Payload
azinphos-methyl	Guthion
bifenthrin	Capture
chlorpyrifos	Lorsban, Dursban
cyfluthrin	Baythroid
dimethoate	several
endosulfan	Thiodan
esfenvalerate	Asona
fenpropathrin	Danitol
lambda-cyhalothrin	Karate
methamidophos	Monitor
methomyl	Lannate
methyl parathion	several
oxamyl	Vydate
profenofos	Curacron
tralomeethrin	Scout
zeta-cypermethrin	Fury, Mustang
OTHER CHEMICALS	
endothall	Des-I-Cate, Accelerate
ethephon	Ethrel, Prep, Cerone
mepiquat chloride	Pix, Ponnax
paraquat	Gramoxone, Cyclone, Starfire
sodium chlorate	several
thidiazuron	Dropp
tribufos	Def. Folex

KEY: MOST ACTIVE HARVEST
 PLANTING
 BEGIN, END HARVEST

[illegible]

1993 ARIZONA AGRICULTURAL STATISTICS

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	United States Total	Arizona's Rank
GENERAL													
Number of Farms and Ranches June 1993	Number	Texas 185,000	Mo. 106,000	Iowa 100,000	Ky. 91,000	Minn. 87,000	Tenn. 86,000	Ill. 80,000	Wis. 79,000	Calif. 76,000	Ohio 76,000	2,068,240	40
Land in Farms and Ranches June 1993	1,000 acres	Texas 130,000	Mont. 59,900	Kans. 47,800	Nebr. 47,100	N. Mex. 44,200	S. Dak. 44,200	N. Dak. 40,400	ARIZ. 36,000	Wyo. 34,800	Okla. 34,000	978,153	8
Cash Receipts from Farm Marketings 1992	Mill. dol.	Calif. 18,234	Texas 11,620	Iowa 10,330	Nebr. 8,783	Ill. 7,634	Minn. 7,082	Kans. 7,000	Fla. 6,145	Wis. 5,499	N.C. 5,181	171,168	32
FIELD CROPS													
Pima Cotton Production	1,000 bales	Calif. 226	ARIZ. 87	Texas 49	N. Mex. 19							381	2
Upland Cotton Production	1,000 bales	Texas 5,095	Calif. 2,918	Miss. 1,550	Ark. 1,094	La. 1,105	ARIZ. 790	Ga. 733	Tenn. 545	Ala. 469	N.C. 429	15,764	6
Cottonseed Production	1,000 tons	Texas 2,147	Calif. 1,146	Miss. 631	Ark. 455	La. 408	ARIZ. 338	Ga. 258	Tenn. 216	Ala. 175	N.C. 153	6,347	6
Durum Wheat Production	1,000 tons	N. Dak. 1,693	ARIZ. 135	Calif. 114	Mont. 106	S. Dak. 13	Minn. 7					2,068	2
Winter Wheat Production	1,000 tons	Kans. 11,655	Wash. 4,875	Okla. 4,860	Texas 3,552	Mont. 3,087	Colo. 2,831	Nebr. 2,205	Ill. 2,046	Idaho 2,015	Oreg. 1,832	53,075	34
Corn for Grain Production	1,000 tons	Ill. 36,400	Iowa 24,640	Nebr. 21,986	Ind. 19,958	Ohio 10,102	Minn. 9,016	Mich. 6,822	Wis. 6,054	Kans. 6,048	Texas 5,957	177,633	40
Barley Production	1,000 tons	N. Dak. 2,822	Mont. 1,531	Idaho 1,440	Minn. 905	Wash. 555	S. Dak. 363	Calif. 312	Oreg. 270	Wyo. 227	Utah 224	9,605	16
Alfalfa Hay Production	1,000 tons	Calif. 6,348	S. Dak. 5,980	Wis. 5,060	Mich. 5,040	Minn. 4,800	Nebr. 4,760	Idaho 4,200	Iowa 3,953	Mont. 3,750	Kans. 3,230	80,878	25
Other Hay Production	1,000 tons	Texas 7,140	Mo. 6,045	Ky. 4,416	Tenn. 3,280	Kans. 3,200	Okla. 3,060	Nebr. 2,813	S. Dak. 2,470	Penn. 2,310	Ark. 2,300	67,976	43
Potatoes Production	1,000 cwt.	Idaho 121,460	Wash. 85,500	Colo. 27,680	Oreg. 23,277	Wis. 22,240	Maine 20,540	N. Dak. 19,980	Mich. 15,280	Calif. 14,932	Minn. 14,230	419,415	23
Principal Field Crops Harvested acreage	1,000 acres	Ill. 21,934	Iowa 21,916	Kans. 20,454	N. Dak. 19,782	Texas 18,524	Nebr. 17,917	Minn. 16,940	S. Dak. 14,223	Ind. 11,767	Mo. 11,542	295,918	38
Field and Misc. Crops Value of Production	Mill. dol.	Ill. 6,485	Iowa 4,220	Texas 3,736	Ind. 3,588	Nebr. 3,586	Calif. 3,091	Kans. 2,966	Minn. 2,783	Ohio 2,527	N. Dak. 2,404	66,295	33
VEGETABLES													
Head Lettuce Production	1,000 cwt.	Calif. 50,760	ARIZ. 13,396	Colo. 1,044	Fla. 1,003	N.Mex. 528	N.J. 418	N.Y. 253	Wash. 231	Texas 88	Mich. 75	67,814	2
Leaf Lettuce Production	1,000 cwt.	Calif. 7,175	ARIZ. 990	Ohio 135	Fla. 70							8,370	2
Romaine Lettuce Production	1,000 cwt.	Calif. 5,330	ARIZ. 957	Fla. 182	Ohio 137							6,606	2
Cauliflower Production	1,000 cwt.	Calif. 5,160	ARIZ. 644	N.Y. 345	Oreg. 341	Mich. 91	Texas 75					6,656	2
Broccoli Production	1,000 cwt.	Calif. 9,765	ARIZ. 687	Oreg. 189	Texas 158							10,799	2
Cantaloup Production	1,000 cwt.	Calif. 12,350	ARIZ. 2,652	Texas 1,824	Ga. 560	Ind. 480	Colo. 240	Md. 147	Penn. 118	Mich. 99		18,551	2
Honeydews Production	1,000 cwt.	Calif. 2,640	Texas 416	ARIZ. 304								3,360	3
Watermelons Production	1,000 cwt.	Fla. 8,325	Calif. 7,350	Texas 5,040	Ga. 4,200	ARIZ. 2,015	Mo. 1,260	N.C. 1,230	Okla. 1,100	S.C. 840		36,740	5

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	United States Total	Arizona's Rank
VEGETABLES (CONTINUED)													
Spring Onions Production	1,000 cwt.	Calif. 3,300	Texas 2,768	Ga. 1,494	ARIZ. 631							8,193	4
Carrots Production	1,000 cwt.	Calif. 18,560	Wash. 4,408	Mich. 2,016	Wis. 1,404	Texas 1,138	Fla. 1,092	Colo. 1,064	Oreg. 728	N.Y. 507	Minn. 308	32,231	11
Principal Vegetables Harvested Acres	1,000 acres	Calif. 728	Fla. 236	Texas 107	Ga. 100	ARIZ. 97	Mich. 64	N.Y. 60	Wash. 48	N.C. 39	N.J. 35	1,812	5
Principal Vegetables Value of Production	Mil. dol.	Calif. 3,186	Fla. 1,270	ARIZ. 382	Texas 270	N.Y. 177	Ga. 171	Wash. 155	Oreg. 145	Mich. 134	Colo. 133	6,711	3
FRUITS													
Lemons Production	1,000 ctns.	Calif. 40,200	ARIZ. 8,800									49,000	2
Oranges Production	1,000 ctns.	Fla. 373,000	Calif. 133,600	ARIZ. 3,700	Texas 1,020							511,320	3
Grapefruit Production	1,000 ctns.	Fla. 110,300	Calif. 19,000	ARIZ. 4,300	Texas 3,750							137,350	3
Tangerines Production	1,000 ctns.	Fla. 5,600	Calif. 4,400	ARIZ. 1,900								11,900	3
Grapes Utilized Production	1,000 tons	Calif. 5,000	Wash. 354	N.Y. 118	Penn. 54	Mich. 49	ARIZ. 25	Oreg. 12	Ohio 6	Ark. 6	Ga. 3	5,632	6
Apples Utilized Production	Mill. lbs.	Wash. 5,000	Mich. 1,000	N.Y. 870	Calif. 850	Penn. 590	Va. 340	N.C. 270	W. Va. 175	Idaho 170	Oreg. 140	10,495	17
Fruits and Nuts Value of Production	Mill. dols.	Calif. 5,191	Fla. 1,273	Wash. 1,226	Oreg. 216	Mich. 213	Haw. 132	Ga. 114	ARIZ. 112	Maine 112	Penn. 111	9,567	8
LIVESTOCK													
All Cattle and Calves January 1, 1994	1,000 head	Texas 14,800	Nebr. 6,100	Kans. 5,950	Okla. 5,200	Mo. 4,800	Calif. 4,550	Iowa 4,250	Wis. 3,800	S. Dak. 3,750	Colo. 2,900	101,749	35
Cattle on Feed January 1, 1994	1,000 head	Texas 2,730	Nebr. 2,110	Kans. 1,910	Colo. 1,010	Iowa 920	Okla. 390	Calif. 375	Minn. 330	Ill. 330	S. Dak. 290	12,939	14
Calf Crop 1993	1,000 head	Texas 5,350	Mo. 2,200	Okla. 1,830	Nebr. 1,770	Calif. 1,680	S. Dak. 1,670	Wis. 1,600	Mont. 1,420	Kans. 1,350	Iowa 1,240	39,640	36
Cows that have calved January 1, 1994	1,000 head	Texas 6,200	Mo. 2,460	Calif. 2,020	Nebr. 2,000	Okla. 1,970	S. Dak. 1,720	Wis. 1,680	Kans. 1,490	Mont. 1,460	Iowa 1,385	44,529	36
All Cattle and Calves Value January 1, 1994	Mill. Dols.	Texas 8,806	Nebr. 4,179	Kans. 3,749	Calif. 3,504	Okla. 3,016	Mo. 2,952	Wis. 2,926	Iowa 2,848	S. Dak. 2,681	Colo. 1,987	66,968	36
All Sheep and Lambs January 1, 1994	1,000 head	Texas 1,710	Calif. 840	Wyo. 810	Colo. 645	S. Dak. 543	Mont. 502	Utah 440	Oreg. 390	N. Mex. 337	Iowa 261	9,079	16
Angora Goats January 1, 1994	1,000 head	Texas 1,490	N. Mex. 110	ARIZ. 82	Okla. 40	Mich. 5						5 States 1,727	3
Hogs and Pigs December 1, 1993	1,000 head	Iowa 14,600	Ill. 5,300	N.C. 5,250	Minn. 4,600	Nebr. 4,250	Ind. 4,150	Mo. 2,950	Ohio 1,630	Kans. 1,330	Ga. 1,000	56,798	29
All Chickens (Excludes Commercial Broilers) December 1, 1993	1,000 birds	Calif. 29,300	Penn. 27,163	Ga. 26,319	Ohio 25,711	Ind. 25,500	Ark. 24,461	Texas 19,600	N.C. 19,300	Iowa 19,000	Ala. 15,950	377,529	43
Honey production Total produced	1,000 lbs.	Calif. 45,000	S. Dak. 24,010	Fla. 22,600	N. Dak. 19,800	Minn. 14,400	Idaho 9,443	Texas 8,610	Mont. 8,526	Wis. 8,200	Mich. 6,930	230,368	13
Milk production Total produced	Mill. lbs.	Wis. 23,014	Calif. 22,921	N.Y. 11,425	Penn. 10,190	Minn. 9,705	Texas 5,910	Mich. 5,435	Wash. 4,980	Ohio 4,625	Iowa 4,054	150,954	21
Egg production Total produced	Mill. eggs	Calif. 6,501	Penn. 5,642	Ind. 5,281	Ohio 5,066	Ga. 4,449	Ark. 3,638	Texas 3,569	Iowa 3,328	N.C. 3,082	Minn. 2,692	71,391	43

LAND OWNERSHIP AND ADMINISTRATION: Acres and percent of total, Arizona, by counties, 1993 1/

County	Forest Service	Bureau of Land Management	State of Arizona	Indian Reservations	Individual or corporate 2/	Other public lands 3/	Total area 4/	Area of	
								Land	Water 5/
1,000 acres									
Apache	489	124	647	4,690	1,077	154	7,181	7,175	6
Cochise	490	332	1,372	0	1,674	112	3,980	3,980	0
Coconino	3,271	599	1,130	5,355	73 0	862	11,947	11,909	38
Gila	1,703	65	31	1,158	82	28	3,067	3,041	26
Graham	396	686	497	1,072	323	3	2,977	2,963	14
Greenlee	751	149	174	0	96	6	1,176	1,176	0
La Paz	0	1,691	255	256	121	566	2,889	2,870	19
Maricopa	658	1,613	664	263	2,625	81	5,904	5,841	63
Mohave	5	5,112	566	544	978	1,417	8,622	8,503	119
Navajo	487	85	370	3,465	1,937	30	6,374	6,371	3
Pima	390	308	872	2,491	816	1,003	5,880	5,880	0
Pinal	223	273	1,216	774	909	44	3,439	3,420	19
Santa Cruz	419	3	62	0	308	0	792	792	0
Yavapai	1,964	439	1,278	8	1,491	21	5,201	5,198	3
Yuma	0	531	269	9	1,279	1,443	3,531	3,526	5
Total	11,246	12,010	9,403	20,085	14,446	5,770	72,960	72,645	315

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	65	15	2
Cochise	12	8	35	0	42	3
Coconino	27	5	10	45	6	7
Gila	55	2	1	38	3	1
Graham	13	23	17	36	11	6/
Greenlee	64	12	15	0	8	6/
La Paz	0	58	9	9	4	20
Maricopa	11	27	11	5	45	1
Mohave	6/	59	7	6	11	17
Navajo	8	1	6	54	30	1
Pima	7	5	15	42	14	17
Pinal	7	8	35	23	26	1
Santa Cruz	53	6/	8	0	39	0
Yavapai	38	8	25	6/	29	6/
Yuma	0	15	8	6/	36	41
Total	15	16	13	28	20	8

1/ Reference dates: Forest Service, September 30, 1993; Bureau of Land Management, September 30, 1993; State of Arizona, September 30, 1993, and Bureau of Indian Affairs, December 31, 1989.

2/ Derived as residual.

3/ Includes land administered by National Park Service, Department of Defense, Bureau of Sport Fisheries and Wildlife, 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.

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

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205-279-3555

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MISSOURI
Box L
Columbia 65205
314-876-0950

OKLAHOMA
2800 N Lincoln Blvd
Oklahoma City 73105
405-525-9226

WISCONSIN
Box 9160
Madison 53715
608-264-5317

WYOMING
Box 1148
Cheyenne 82003
307-772-2181

PRINCIPAL CROPS: Acreage harvested by counties, and State production, Arizona, 1992

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	323,000	0	11,500	0	0	8,500	700	28,700	127,500	6,300	0	10,900	105,100	0	0	23,800
Bales, 480 lb. net wt.	725,000															
American Pima Cotton: Acres	102,000	0	2,900	0	0	16,100	*	7,200	18,200	*	0	2,800	52,700	0	0	1,800
Bales, 480 lb. net wt.	138,00															
Alfalfa: Acres	150,000	1,700	6,100	*	500	3,500	*	38,500	44,000	6,500	1,700	1,600	11,000	500	1,700	32,000
Production, tons	1,095,000															
Other Hay: Acres	30,000	1,000	600	500	*	500	*	5,000	4,600	1,300	*	500	1,100	*	1,200	12,500
Production, tons	129,000															
Durum wheat: Acres	44,000	*	*	*	*	1,000	*	1,000	11,500	*	*	1,000	16,000	*	*	12,500
Production, tons	112,200															
Other wheat: Acres	44,000	*	*	*	*	1,300	*	8,700	7,400	*	*	400	1,800	*	*	21,800
Production, tons	118,800															
Barley: Acres	21,000	*	1,200	0	0	1,300	*	1/	8,200	0	*	*	8,000	0	*	1,800
Production, tons	52,920															
Corn for Grain: Acres	11,000	*	5,900	0	0	3,100	*	*	800	0	*	0	200	0	*	*
Production, tons	52,360															
Potatoes: Acres	6,100	0	0	0	0	0	0	0	5,100	0	0	0	1,000	0	0	0
Production, cwt.	1,800,000															
Principal vegetables: Acres 2/	96,500	0	1,850	0	0	0	0	2,950	19,750	0	0	650	4,000	0	0	67,300
Production, cwt.	22,227,000															
Grapes: Acres	4,500	0	*	0	0	0	0	0	2,400	0	0	*	650	*	*	1,150
Production, tons	25,000															
Grapefruit: Acres	5,900	0	0	0	0	0	0	0	3,550	0	0	0	3/	0	0	2,350
Production, ctns.	5,600,000															
All oranges: Acres	10,400	0	0	0	0	0	0	0	6,600	0	0	0	3/	0	0	3,800
Production, ctns.	4,760,000															
Lemons: Acres	15,700	0	0	0	0	0	0	0	1,300	0	0	0	3/	0	0	14,400
Production, ctns.	10,200,000															
Tangerines: Acres	5,000	0	0	0	0	0	0	0	3,000	0	0	0	3/	0	0	2,000
Production, ctns.	2,400,000															
Other crops: Acres 4/	70,814															
Total acres harvested 5/	939,914															

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

1/ Included with Yuma County to avoid disclosure of individual operations.

2/ Principal vegetables include broccoli, cantaloupes, 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.

3/ Included with Maricopa County to avoid disclosure of individual operations.

4/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.

5/ Includes double crop acreage.

PRINCIPAL CROPS: Acreage harvested by counties, and State production, Arizona, 1993

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	315,000	0	11,900	0	0	8,500	800	32,500	121,400	6,200	0	11,100	102,20	0	0	20,400
Bales, 480 lb. net wt.	790,000															
American Pima Cotton: Acres	56,900	0	2,800	0	0	13,500	*	1,600	10,500	0	0	2,600	24,500	0	0	1,400
Bales, 480 lb. net wt.	87,000															
Alfalfa: Acres	150,000	1,500	5,000	500	500	2,000	*	40,500	43,000	6,000	1,700	3,000	14,000	*	1,500	30,000
Production, tons	1,110,000															
Other Hay: Acres	35,000	1,500	600	600	500	500	*	7,000	5,500	1,400	500	500	1,500	*	1,200	13,000
Production, tons	126,000															
Durum wheat: Acres	50,000	*	*	*	*	*	*	2,000	21,000	*	*	2,700	17,500	*	100	5,400
Production, tons	135,000															
Other wheat: Acres	35,000	*	*	*	*	700	*	5,000	7,000	*	*	*	3,400	*	700	16,500
Production, tons	98,700															
Barley: Acres	29,000	*	1,800	0	*	900	*	1/	13,100	0	*	*	10,800	0	*	2,000
Production, tons	69,600															
Corn for Grain: Acres	10,000	*	5,000	0	0	3,000	*	*	600	0	*	*	0	0	*	*
Production, tons	44,800															
Potatoes: Acres	5,500	0	0	0	0	0	0	0	4,100	0	0	0	1,400	0	0	0
Production, cwt.	1,485,000															
Principal vegetables: Acres	96,650	0	1,450	0	0	0	0	2,250	20,700	0	0	400	2,600	0	0	69,250
Production, cwt.	22,514,000															
Grapes: Acres	4,300	0	*	0	0	0	0	0	2,180	0	0	*	655	*	3/	1,160
Production, tons	24,000															
Grapefruit: Acres	5,900	0	0	0	0	0	0	0	3,700	0	0	0	3/	0	0	2,200
Production, ctns.	4,300,000															
All oranges: Acres	10,600	0	0	0	0	0	0	0	7,200	0	0	0	3/	0	0	3,400
Production, ctns.	3,700,000															
Lemons: Acres	16,300	0	0	0	0	0	0	0	1,500	0	0	0	3/	0	0	14,800
Production, ctns.	8,800,000															
Tangerines: Acres	4,900	0	0	0	0	0	0	0	2,800	0	0	0	3/	0	0	2,100
Production, ctns.	1,900,000															
Other crops: Acres 4/	83,554															
Total acres harvested 5/	908,604															

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

1/ Included with Yuma County to avoid disclosure of individual operations.

2/ Principal vegetables include broccoli, cantaloupes, 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.

3/ Included with Maricopa County to avoid disclosure of individual operations.

4/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.

5/ Includes double crop acreage.

