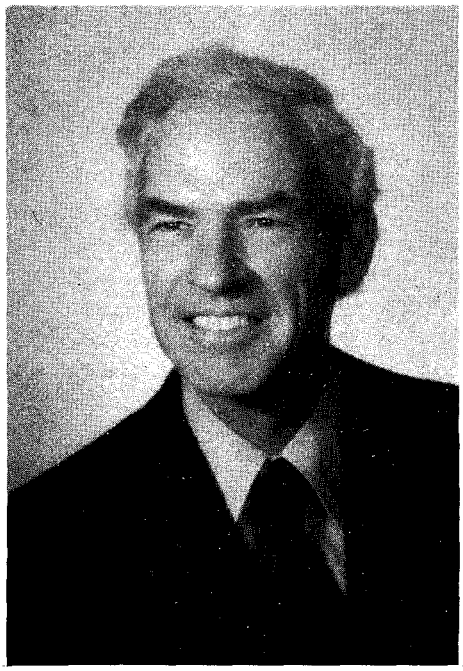
1989 ARIZONA AGRICULTURAL STATISTICS

Historical Summary of County Data: 1978 – 1989

Issued August 1990

TRIBUTE TO DR. HILLMAN



This year's bulletin is dedicated to Dr. Jimmye S. Hillman who stepped down as head of the Department of Agricultural Economics at the University of Arizona, effective June 30, 1990. A one-year sabbatical is planned in New Zealand and then Dr. Hillman will return as a member of the faculty in the Department of Agricultural Economics.

Dr. Hillman, a Mississippi native and graduate from Mississippi State University, received his Masters Degree from Texas A & M and his PhD from the University of California-Berkeley. He guided the Department for nearly 29 years and established the Department's reputation of excellence in teaching, research and extension in the College of Agriculture, the State, nationally and internationally.

The cooperative agreement that exists between the University of Arizona and the Arizona Agricultural Statistics Service was primarily the result of Dr. Hillman's work in 1965. Through his efforts important data series on Arizona's agriculture were upgraded and the State-Federal cooperative relationship became a model for other states.

In addition to the years as Department Head, Dr. Hillman has served in many other leadership positions including Director of the Office of International Programs at the University of Arizona, President of both the American and Western Agricultural Economics Associations, and received an appointment by President Johnson to serve as the Executive Director of the National Advisory Commission on Food and Fiber.

He has dealt with such contemporary Arizona issues as the economics of agricultural production and marketing; the economics of water use and conservation; and the economics of interstate and interregional trade. International agricultural studies and leadership on world economic committees gave Dr. Hillman a good background for fitting Arizona's agricultural economy into the global economy.

Dr. Hillman has kept pace with the agricultural problems facing the world as a whole by serving, from 1975 to 1980, on three subcommittees of the Science Advisory Board of the United States Environmental Protection Agency. Also, on five occasions and with five different missions since 1968, he was asked by the Food and Agriculture Organization of the United Nations to consult on matters of important policy consequences.

We extend our best wishes to Dr. Hillman as he enters a new phase of his illustrious career.

ARIZONA AGRICULTURAL STATISTICS SERVICE
201 E. Indianola, Suite 250, Phoenix, Arizona 85012 (602) 640-2573

Barry L. Bloyd, State Statistician
Norman W. Bennett, Deputy State Statistician

Livestock Statistician
Barbara Roberts

Crops Statistician
Cheryl Fox

Surveys Statistician
Debra Kenerson

Data Processing
Linda Hoffman

Student Assistant
Kara Riggs

Bulletin Coordinator
Evelyn Dye

SUPPORT STAFF

Alice Bryant, Typist - Word Processor
Jonie Clark, Statistical Assistant
Betty Fahy, Administrative Technician
Donna Ford, Data Entry
Sharon Ricart, Statistical Clerk

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U.S. DEPARTMENT OF AGRICULTURE
National Agricultural
Statistics Service

Charles E. Caudill, Administrator
Donald M. Bay, Deputy
Administrator for Operations
Fred A. Vogel, Director
State Statistical Division

THE UNIVERSITY OF ARIZONA
College of Agriculture
Department of Agricultural Economics

Henry Koffler, President
Eugene G. Sander, Dean
College of Agriculture
Jimmye S. Hillman, Head
Department of Agricultural Economics

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College of Agriculture

Department of Agricultural Economics

THE UNIVERSITY OF
ARIZONA
TUCSON ARIZONA

Economics Building #23
Tucson, Arizona 85721
(602) 621-6241
FAX (602) 621-6250

INTRODUCTION

Before 1964, the State of Arizona had a number of "statistical reports" for its agricultural sector. These were: 1) reports from the U.S. Department of Agriculture; 2) ***Arizona Agriculture*** published by the Department of Agricultural Economics, University of Arizona; and 3) the ***Annual Statistical Review*** of the Valley National Bank. There was little coordination between these agencies, hence there was confusion about agricultural statistics.

It was in that year that I assembled representatives from these agencies, and a few others, to suggest a method to rectify the confusion, and a vehicle to publish ***one*** official set of agricultural data. The result was Arizona Agricultural Statistics as we now know it.

This twenty fifth edition of a joint effort between the Department of Agricultural Economics, University of Arizona and the Statistical Reporting Service, U.S.D.A, therefore, gives me special pleasure. At the same time some sadness, because it represents the last volume for which I shall be responsible as Department Head.

Thanks are due to more people for their help over the years than space allows to list. Let me, however, mention a few: the late State Senator Ben Arnold, of Pinal County who helped put a small budget in place for cooperation with the USDA; the late Bill Davis of the Arizona Farm Bureau for his political help; the Statisticians in Charge, Arizona Crop and Livestock Reporting Service, Floyd Rolf, Horace Mayes, Ron Brantner and, currently, Barry Bloyd; and finally various Deans of Agriculture at the University of Arizona, and the faculty in Agricultural Economics who have assisted with budgetary and technical matters.

This annual bulletin is a model of agricultural statistics. I trust the next quarter century will be as productive and as enjoyable for my successor(s) as the past 25 years have been for me.

Jimmye S. Hillman
Head of Department

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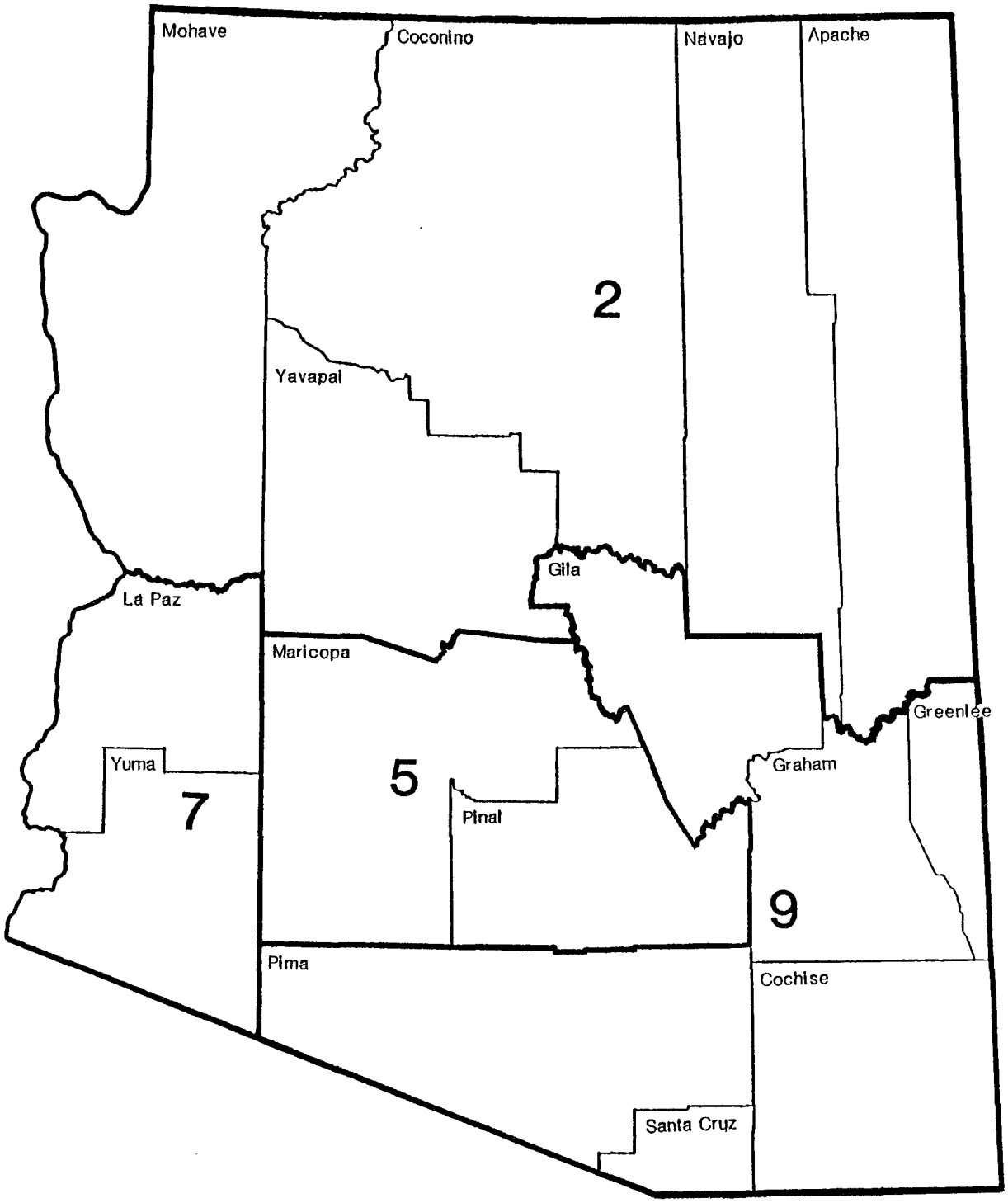
ARIZONA COUNTIES AND CROP REPORTING DISTRICTS



CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1978-89

Crop	Acres harvested			Production				Value		
	1978	1979	1980	Unit	1978	1979	1980	1978	1979	1980
	1,000 acres				Thousands			1,000 Dollars		
ARIZONA										
Barley	35	43	50	Tons	60	77	104	5,939	8,417	11,615
Corn for grain	50	45	35	Tons	161	145	98	14,375	16,301	13,685
Corn for silage	18	12	14	Tons	360	264	294	1/	1/	1/
Upland Cotton	538.0	575.0	549.0	Bales	1,068.0	1,280.0	1,354.0	294,255	420,864	488,090
American-Pima Cotton	34.2	43.3	42.1	Bales	53.7	67.0	72.3	23,456	32,482	37,480
All Cotton	572.2	618.3	591.1	Bales	1,121.7	1,347.0	1,426.3	317,711	453,346	525,570
Cottonseed				Tons	450.0	530.0	583.0	45,900	58,300	71,126
Alfalfa Hay	170	160	165	Tons	1,071	1,024	1,155	1/	1/	1/
Other Hay	30	30	30	Tons	66	69	105	1/	1/	1/
All hay	200	190	195	Tons	1,137	1,093	1,260	68,789	88,533	103,950
Sorghum for grain	25	25	26	Tons	55	50	58	5,031	5,680	7,779
Sorghum for silage	5	4	6	Tons	85	68	111	1/	1/	1/
Durum Wheat	91	70	155	Tons	191	158	372	18,091	20,160	51,708
Other Wheat	47	55	60	Tons	99	129	144	10,265	14,801	18,144
All wheat	138	125	215	Tons	290	286	516	28,356	34,961	69,852
Broccoli 2/	.9	1.2	.7	Cwt.	51	67	44	1,100	1,847	1,287
Carrots 2/	2.0	2.0	2.0	Cwt.	255	241	275	2,355	2,605	2,235
Cauliflower 2/	1.3	2.0	2.0	Cwt.	86	173	205	2,492	5,175	8,015
Honeydews	1.6	1.6	1.6	Cwt.	269	264	240	2,337	2,272	2,299
Other lettuce	14.8	13.2	8.3	Cwt.	3,004	2,637	2,253	44,369	27,594	29,591
Western lettuce 2/	23.7	29.4	31.1	Cwt.	5,261	6,615	7,153	51,190	82,026	55,936
Dry onions	1.8	1.6	1.4	Cwt.	738	536	623	3,772	4,816	5,874
Potatoes	6.0	6.2	4.4	Cwt.	1,590	1,302	1,276	12,959	5,729	6,699
Grapefruit 2/	10.8	8.9	8.4	Ctn.	6,000	4,500	6,000	4,020	6,513	7,782
Lemons 2/	20.9	18.6	20.3	Ctn.	11,600	11,000	6,100	17,864	22,074	24,680
Oranges 2/	16.8	14.8	15.7	Ctn.	7,240	5,800	7,000	19,269	17,416	10,899
Tangerines 2/	4.1	3.5	3.3	Ctn.	1,200	900	1,500	4,632	3,485	3,244
Grapes 3/	3.3	3.1	3.1	Ton	14.3	13.5	12.4	13,485	12,555	14,508
UNITED STATES										
Barley	9,248	7,527	7,260	Tons	10,914	9,197	8,667	871,070	872,308	1,016,842
Corn for grain	71,930	72,400	72,961	Tons	20,476	22,608	16,222	16,280,688	19,876,655	20,554,147
Corn for silage	8,624	7,989	9,299	Tons	118,132	114,799	111,990	1/	1/	1/
Upland Cotton	12,324.0	12,741.8	13,143.1	Bales	10,762.4	14,530.7	11,017.9	3,003,860	4,343,692	3,932,759
American-Pima Cotton	76.0	89.1	71.7	Bales	93.4	98.6	104.2	41,131	47,686	53,919
All cotton	12,400.0	12,830.9	13,214.8	Bales	10,855.8	14,629.3	11,122.1	3,044,991	4,391,378	3,986,678
Cottonseed				Tons	4,269.2	5,778.3	4,470.5	485,609	697,617	574,511
Alfalfa Hay	27,864	27,550	26,174	Tons	87,294	88,110	79,963	1/	1/	1/
Other Hay	34,249	33,729	32,696	Tons	56,523	59,197	50,777	1/	1/	1/
All hay	62,113	61,279	58,870	Tons	143,817	147,307	130,740	6,663,678	7,345,466	8,084,666
Sorghum for grain	13,410	12,901	12,513	Tons	20,476	22,608	16,222	1,464,187	1,876,641	1,696,641
Sorghum for silage	724	764	734	Tons	7,920	8,990	7,003	1/	1/	1/
Durum Wheat	4,024	3,932	4,840	Tons	4,000	3,200	3,252	390,608	463,847	549,261
Other Spring Wheat	13,980	15,095	14,650	Tons	12,593	12,785	11,116	1,212,851	1,530,978	1,467,565
Winter Wheat	38,491	43,427	51,635	Tons	36,673	48,037	57,060	3,677,175	6,075,553	7,286,005
All wheat	56,495	62,454	71,125	Tons	53,266	64,022	71,428	5,280,634	8,070,378	9,302,831
Broccoli	68.3	70.9	77.9	Cwt.	5,399	6,301	6,753	97,619	120,913	144,613
Carrots	76.8	86.0	81.8	Cwt.	19,824	22,124	20,888	133,603	158,376	173,905
Cauliflower	41.5	42.8	43.3	Cwt.	3,808	4,117	4,255	69,154	81,121	95,762
Honeydews	18.5	20.5	17.7	Cwt.	3,413	3,477	3,180	32,846	37,761	42,864
All lettuce	239.1	245.9	236.5	Cwt.	60,275	61,310	63,297	596,908	564,113	564,064
Dry onions	121.9	123.9	113.2	Cwt.	36,174	38,602	33,526	251,495	237,432	347,054
Potatoes	1,374.5	1,258.3	1,147.8	Cwt.	366,314	342,447	303,905	1,224,478	1,172,108	1,985,814
Grapefruit 2/	188.6	192.8	199.9	Ctn.	149,320	134,760	146,400	189,692	231,271	302,190
Lemons 2/	69.9	68.9	70.0	Ctn.	52,200	39,200	41,500	110,635	134,561	168,354
Oranges 2/	812.8	801.2	806.0	Ctn.	440,240	421,200	547,260	1,198,657	1,295,735	1,328,054
Tangerines 2/	30.2	28.2	26.9	Ctn.	10,400	10,800	12,600	35,560	43,572	36,595
Grapes 3/	1/	1/	1/	Tons	4,317.8	4,988.7	5,594.9	1,005,794	1,179,238	1,341,092

See footnotes at end of table.

Continued--

CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1978-89-continued

Crop	Acres harvested			Production				Value		
	1981	1982	1983	Unit	1981	1982	1983	1981	1982	1983
		1,000 acres				Thousands			1,000 Dollars	
ARIZONA										
Barley	36	38	27	Tons	79	91	67	11,327	10,374	8,480
Corn for grain	30	18	13	Tons	109	67	53	12,129	7,722	7,163
Corn for silage	14	12	7	Tons	294	276	168	1/	1/	1/
Upland Cotton	599.0	470.0	284.0	Bales	1,556.0	1,095.0	725.0	425,722	318,514	237,684
American-Pima Cotton	33.6	41.6	29.3	Bales	53.7	65.9	46.9	24,229	31,632	22,962
All Cotton	632.6	511.6	313.3	Bales	1,609.7	1,160.9	771.9	449,951	350,146	260,646
Cottonseed				Tons	631.0	495.0	302.4	52,373	39,600	51,710
Alfalfa Hay	160	160	145	Tons	1,120	1,168	1,059	1/	1/	1/
Other Hay	30	25	25	Tons	96	73	98	1/	1/	1/
All hay	190	185	170	Tons	1,216	1,241	1,157	89,984	91,214	107,601
Sorghum for grain	26	15	13	Tons	57	33	28	6,649	3,472	3,596
Sorghum for silage	3	4	5	Tons	66	78	80	1/	1/	1/
Durum Wheat	215	79	55	Tons	548	211	149	86,989	24,890	20,147
Other Wheat	43	64	64	Tons	107	161	184	13,776	19,784	24,330
All wheat	258	143	119	Tons	655	372	333	100,765	44,674	44,477
Broccoli 2/	.7	.9	1.0	Cwt.	50	65	69	1,402	2,150	1,889
Carrots 2/	1.9	2.7	3.2	Cwt.	258	449	550	3,407	5,743	5,435
Cauliflower 2/	2.4	2.0	3.6	Cwt.	270	283	429	9,408	11,114	15,223
Honeydews	2.3	3.5	2.8	Cwt.	345	438	280	4,589	4,643	4,284
Other lettuce	8.3	9.4	10.3	Cwt.	2,295	3,150	2,730	24,284	42,553	37,128
Western lettuce 2/	24.9	22.9	29.0	Cwt.	7,346	7,487	8,900	68,244	124,867	82,114
Dry onions	1.1	1.7	1.6	Cwt.	512	876	656	8,704	6,899	5,287
Potatoes	5.2	4.7	4.9	Cwt.	1,456	1,434	1,274	10,993	9,393	8,600
Grapefruit 2/	8.1	8.2	6.8	Ctn.	5,600	4,800	6,600	10,976	5,664	8,494
Lemons 2/	19.2	21.6	19.5	Ctn.	14,000	12,600	9,400	28,790	20,944	20,287
Oranges 2/	13.2	13.6	12.6	Ctn.	5,200	6,100	7,600	10,050	18,200	18,558
Tangerines 2/	3.2	3.4	3.5	Ctn.	1,400	1,500	2,600	4,226	5,010	8,157
Grapes 3/	3.2	3.5	3.8	Ton	12.4	15.1	14.6	15,376	14,964	15,330
UNITED STATES										
Barley	9,038	9,013	9,721	Tons	11,364	12,382	12,198	1,154,497	1,143,209	1,268,906
Corn for grain	74,524	72,719	51,479	Tons	227,322	230,583	116,879	20,200,261	22,039,409	13,534,930
Corn for silage	8,307	8,252	7,808	Tons	117,891	117,782	96,238	1/	1/	1/
Upland Cotton	13,783.2	9,663.4	7,284.8	Bales	15,566.1	11,864.0	7,676.7	4,038,369	3,363,547	2,430,204
American-Pima Cotton	58.0	70.5	62.7	Bales	79.6	98.7	94.7	37,034	46,679	47,972
All cotton	13,841.2	9,733.9	7,347.5	Bales	15,645.7	11,962.7	7,771.4	4,075,403	3,410,226	2,478,176
Cottonseed				Tons	6,396.9	4,743.9	3,075.7	549,041	366,240	511,450
Alfalfa Hay	26,243	26,188	25,729	Tons	83,696	88,385	82,255	1/	1/	1/
Other Hay	33,356	33,624	33,965	Tons	58,824	60,856	58,483	1/	1/	1/
All hay	59,599	59,812	59,694	Tons	142,520	149,241	140,738	9,181,300	9,529,516	9,967,208
Sorghum for grain	13,677	14,137	10,001	Tons	24,523	23,382	13,651	2,078,529	2,090,774	1,382,097
Sorghum for silage	786	603	639	Tons	9,447	7,403	6,572	1/	1/	1/
Durum Wheat	5,655	4,177	2,492	Tons	5,491	4,376	2,189	681,633	534,156	292,418
Other Spring Wheat	16,511	16,127	11,314	Tons	15,158	4,376	2,189	1,847,451	2,029,941	1,330,247
Winter Wheat	58,476	57,633	47,584	Tons	62,912	62,207	59,649	7,643,158	7,248,918	6,910,125
All wheat	80,642	77,937	61,390	Tons	83,561	82,949	72,595	10,172,242	9,813,015	8,532,790
Broccoli	78.5	92.0	91.5	Cwt.	7,522	8,819	8,326	175,132	211,248	210,250
Carrots	84.4	86.9	87.3	Cwt.	21,831	24,081	23,106	198,961	208,985	216,422
Cauliflower	46.2	51.4	54.6	Cwt.	5,221	5,370	5,414	125,811	131,336	139,920
Honeydews	19.6	24.9	23.8	Cwt.	3,419	3,780	3,918	52,581	53,111	51,540
All lettuce	223.8	216.1	205.7	Cwt.	62,649	62,949	57,755	681,612	762,846	710,934
Dry onions	112.0	125.9	123.6	Cwt.	35,155	41,861	39,166	475,470	307,501	439,297
Potatoes	1,232.4	1,266.9	1,241.5	Cwt.	340,623	355,131	333,726	1,831,474	1,562,639	1,934,263
Grapefruit 2/	197.0	199.1	199.3	Ctn.	135,720	141,100	122,400	321,517	227,592	186,197
Lemons 2/	71.9	75.8	71.5	Ctn.	62,600	49,600	50,000	151,174	105,688	109,298
Oranges 2/	794.6	777.7	750.8	Ctn.	489,160	353,380	450,360	1,295,281	1,167,301	1,317,056
Tangerines 2/	26.5	32.4	31.3	Ctn.	11,120	13,160	13,700	35,850	53,125	56,457
Grapes 3/	1/	719.5	746.3	Tons	4,457.6	5,864.9	5,375.7	1,323,513	1,358,872	1,067,245

See footnotes at end of table.

Continued--

CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1978-89-continued

Crop	Acres harvested			Production				Value		
	1984	1985	1986	Unit	1984	1985	1986	1984	1985	1986
		1,000 acres				Thousands			1,000 Dollars	
ARIZONA										
Barley	53	62	29	Tons	128	144	70	16,059	16,959	7,163
Corn for grain	18	14	15	Tons	68	51	59	7,630	5,151	4,935
Corn for silage	5	7	10	Tons	125	161	250	1/	1/	5,850
Upland Cotton	429.0	359.0	249.0	Bales	1,097.0	928.0	675.0	316,463	259,246	175,932
American-Pima Cotton	50.3	56.3	73.8	Bales	88.1	108.7	148.3	39,116	46,019	63,496
All Cotton	479.3	415.3	322.8	Bales	1,185.1	1,036.7	823.3	355,579	305,265	239,428
Cottonseed				Tons	464.5	389.0	309.0	46,915	30,731	29,355
Alfalfa Hay	140	145	155	Tons	1,008	1,030	1,178	1/	1/	1/
Other Hay	25	22	22	Tons	100	79	84	1/	1/	1/
All hay	165	167	177	Tons	1,108	1,109	1,262	93,626	88,166	88,971
Sorghum for grain	16	16	12	Tons	38	36	29	4,461	3,732	2,401
Sorghum for silage	2	2	3	Tons	40	48	57	1/	1/	912
Durum Wheat	80	46	48	Tons	216	116	125	30,384	13,563	15,368
Other Wheat	62	66	48	Tons	167	178	135	21,762	20,909	13,987
All wheat	142	112	96	Tons	383	294	261	52,146	34,472	29,355
Broccoli 2/	1.3	1.9	2.9	Cwt.	99	177	238	2,772	4,620	5,474
Carrots 2/	2.9	2.4	2.4	Cwt.	377	396	396	5,580	3,742	4,316
Cauliflower 2/	4.0	4.9	6.1	Cwt.	460	564	702	16,514	19,345	20,498
Honeydews	2.0	2.2	2.8	Cwt.	310	385	448	5,890	4,235	5,555
Other lettuce	7.9	8.7	6.3	Cwt.	2,054	1,653	1,544	18,794	17,357	19,146
Western lettuce 2/	30.1	36.6	32.1	Cwt.	8,579	10,614	8,988	87,506	92,554	106,058
Dry onions	2.3	1.2	1.2	Cwt.	805	564	660	7,366	5,386	5,795
Potatoes	5.4	5.8	5.9	Cwt.	1,647	1,450	1,298	15,152	12,253	9,475
Grapefruit 2/	6.8	7.1	5.7	Ctn.	5,000	6,700	5,600	9,762	18,933	13,542
Lemons 2/	18.3	17.0	16.5	Ctn.	7,000	11,300	6,200	15,891	27,762	46,639
Oranges 2/	12.6	10.9	11.0	Ctn.	3,460	4,100	4,060	13,708	19,301	13,968
Tangerines 2/	3.5	3.4	3.3	Ctn.	2,700	2,200	1,900	9,613	13,802	11,266
Grapes	4.5	5.1	6.3	Ton	14.0	18.5	23.0	18,340	17,908	25,070
UNITED STATES 4/										
Barley	11,218	11,591	11,974	Tons	14,353	14,165	14,605	1,356,316	1,132,537	993,905
Corn for grain	71,897	75,209	68,907	Tons	214,820	248,513	230,321	20,084,595	19,521,975	12,541,426
Corn for silage	7,535	7,155	6,418	Tons	104,491	102,664	90,227	1/	1/	1/
Upland Cotton	10,299.5	10,145.4	8,357.3	Bales	12,851.4	13,277.1	9,525.2	3,545,913	3,559,718	2,360,228
American-Pima Cotton	79.6	83.6	111.1	Bales	130.4	155.1	205.9	57,521	68,394	88,883
All cotton	10,379.1	10,229.0	8,468.4	Bales	12,981.8	13,432.2	9,731.1	3,603,434	3,628,112	2,449,111
Cottonseed				Tons	5,148.9	5,279.2	3,800.9	511,953	347,640	303,965
Alfalfa Hay	26,818	25,647	26,911	Tons	90,144	85,121	91,865	1/	1/	1/
Other Hay	34,596	34,814	35,423	Tons	60,438	63,598	63,520	1/	1/	1/
All hay	61,414	60,461	62,334	Tons	150,582	148,719	155,385	10,203,921	9,437,282	8,610,996
Sorghum for grain	15,355	16,782	13,862	Tons	24,255	31,368	26,288	2,054,805	2,243,450	1,322,196
Sorghum for silage	609	534	499	Tons	6,472	6,566	5,878	1/	1/	1/
Durum Wheat	3,219	3,094	2,877	Tons	3,103	3,375	2,937	389,420	362,036	271,276
Other Spring Wheat	12,196	13,687	14,641	Tons	12,932	14,549	14,167	1,503,713	1,582,574	1,189,733
Winter Wheat	51,513	47,923	43,170	Tons	61,808	54,799	45,613	6,861,900	5,429,571	3,583,338
All wheat	66,928	64,704	60,688	Tons	77,843	72,723	62,717	8,755,033	7,374,181	5,044,347
Broccoli	106.5	109.5	119.1	Cwt.	10,282	10,627	11,529	237,762	239,345	239,739
Carrots	93.7	89.8	86.6	Cwt.	23,606	22,772	23,540	249,761	206,190	236,476
Cauliflower	60.8	61.2	67.8	Cwt.	6,688	6,664	7,527	174,931	169,133	191,863
Honeydews	23.3	25.7	28.8	Cwt.	4,031	4,758	5,438	55,894	58,055	69,132
All lettuce	218.3	222.0	211.5	Cwt.	63,976	61,334	58,290	698,120	660,855	699,273
Dry onions	128.5	122.8	115.5	Cwt.	43,068	45,059	43,615	415,196	347,328	439,239
Potatoes	1,297.8	1,358.7	1,220.2	Cwt.	362,039	406,609	361,743	2,042,298	1,568,296	1,810,330
Grapefruit 2/	191.6	162.8	145.2	Ctn.	107,680	112,300	115,740	220,196	310,530	341,957
Lemons 2/	69.8	66.6	65.3	Ctn.	41,500	50,900	36,400	117,408	168,276	217,065
Oranges 2/	688.2	617.7	561.5	Ctn.	338,880	316,700	350,880	1,303,885	1,455,410	1,090,428
Tangerines 2/	25.5	23.2	20.6	Ctn.	12,350	9,240	9,400	52,020	65,554	61,952
Grapes	770.0	782.2	770.6	Tons	5,183.3	5,616.1	5,227.3	984,324	965,378	1,183,242

See footnotes at end of table.

Continued--

CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1978-89-continued

Crop	Acres harvested			Production				Value		
	1987	1988	1989	Unit	1987	1988	1989	1987	1988	1989
		1,000 acres				Thousands			1,000 Dollars	
ARIZONA										
Barley	22	13	12	Tons	52	32	30	4,770	3,177	3,893
Corn for grain	15	13	13	Tons	59	56	53	4,809	6,347	6,409
Corn for silage	8	6	7	Tons	184	162	189	4,140	3,780	3,780
Upland Cotton	289.0	349.0	239.0	Bales	849.0	865.0	649.0	267,741	237,494	206,226
American-Pima Cotton	90.8	128.0	244.5	Bales	213.0	241.0	477.0	106,330	136,502	217,970
All Cotton	379.8	477.0	483.5	Bales	1,062.0	1,106.0	1,126.0	374,071	373,996	424,196
Cottonseed				Tons	390.0	433.0	423.0	37,245	55,857	46,953
Alfalfa Hay	160	155	150	Tons	1,248	1,225	1,140	1/	1/	1/
Other Hay	30	25	35	Tons	135	100	140	1/	1/	1/
All hay	190	180	185	Tons	1,383	1,325	1,280	112,715	118,588	123,520
Sorghum for grain	11	4	3	Tons	28	11	7	2,317	1,232	672
Sorghum for silage	3	1	3	Tons	54	17	60	1,080	306	1,080
Durum Wheat	45	50	84	Tons	115	129	227	12,317	16,985	31,374
Other Wheat	44	35	34	Tons	125	103	95	12,080	13,480	13,280
All wheat	89	85	118	Tons	240	232	322	24,397	30,465	44,654
Broccoli 2/	4.2	4.3	5.4	Cwt.	382	391	540	8,328	9,697	11,124
Carrots 2/	2.0	1.9	1.4	Cwt.	400	238	238	4,200	2,428	3,737
Cauliflower 2/	6.4	6.1	6.8	Cwt.	800	641	782	21,920	19,935	21,974
Honeydews	3.4	2.4	2.1	Cwt.	459	420	315	5,462	7,266	3,780
Other lettuce	5.7	7.0	5.7	Cwt.	1,340	1,575	1,026	26,264	17,325	10,876
Western lettuce 2/	35.2	42.0	44.5	Cwt.	11,616	11,970	11,793	133,584	304,038	179,254
Dry onions	1.3	1.2	1.0	Cwt.	585	450	440	11,993	3,398	3,916
Potatoes	4.9	5.3	5.8	Cwt.	1,348	1,246	1,827	14,154	11,650	15,164
Grapefruit 2/	5.9	6.0	6.5	Ctn.	5,500	3,900	3,900	13,924	8,788	9,650
Lemons 2/	15.5	15.5	15.5	Ctn.	14,200	7,300	7,600	29,281	31,418	33,972
Oranges 2/	10.9	10.6	10.4	Ctn.	5,400	3,640	3,400	16,735	14,929	15,458
Tangerines 2/	3.2	3.5	3.6	Ctn.	1,800	1,200	1,300	11,001	9,116	10,086
Grapes 3/	7.1	6.7	6.2	Ton	21.0	24.0	26.5	21,279	29,913	17,861
UNITED STATES 4/										
Barley	9,957	7,636	8,303	Tons	12,516	6,960	9,683	967,008	775,229	950,080
Corn for grain	59,505	58,250	64,781	Tons	199,676	138,003	210,760	14,107,705	12,661,362	17,019,722
Corn for silage	5,994	8,294	6,606	Tons	86,442	78,791	86,243	1/	1/	1/
Upland Cotton	9,893.7	11,759.1	9,166.0	Bales	14,475.3	15,077.3	11,503.9	4,413,034	4,000,746	3,520,934
American-Pima Cotton	136.6	189.1	371.7	Bales	284.6	334.2	691.7	141,983	189,742	319,818
All cotton	10,030.3	11,948.2	9,537.7	Bales	14,759.9	15,411.5	12,195.6	4,555,017	4,190,488	3,840,752
Cottonseed				Tons	5,769.2	6,061.8	4,676.9	474,703	718,255	492,980
Alfalfa Hay	25,435	26,750	25,939	Tons	84,225	69,304	77,208	1/	1/	1/
Other Hay	34,698	38,305	37,456	Tons	63,232	56,706	68,237	1/	1/	1/
All hay	60,133	65,055	63,395	Tons	147,457	126,010	145,445	8,845,395	10,457,326	11,778,477
Sorghum for grain	10,531	9,042	11,153	Tons	20,463	16,147	17,300	1,179,444	1,337,424	1,279,674
Sorghum for silage	429	518	510	Tons	5,307	5,252	5,304	1/	1/	1/
Durum Wheat	3,279	2,847	3,673	Tons	2,779	1,345	2,767	312,553	203,923	318,959
Other Spring Wheat	13,334	10,542	17,007	Tons	13,491	6,164	14,692	1,222,989	795,717	1,839,862
Winter Wheat	39,332	39,800	41,469	Tons	46,961	46,857	43,615	3,962,170	5,684,359	5,583,355
All wheat	55,945	53,189	62,149	Tons	63,231	54,366	61,075	5,497,712	6,683,999	7,742,176
Broccoli	121.7	114.4	116.8	Cwt.	11,510	12,792	13,513	239,548	292,240	276,050
Carrots	99.6	97.6	103.6	Cwt.	28,720	27,400	30,938	248,332	292,849	317,186
Cauliflower	66.1	62.8	67.7	Cwt.	7,375	7,874	7,846	187,555	202,113	203,190
Honeydews	28.6	31.2	29.9	Cwt.	4,811	5,241	5,110	69,293	75,341	62,082
All lettuce	224.9	239.8	242.6	Cwt.	67,877	70,505	75,169	1,003,213	1,040,366	949,621
Dry onions	123.7	129.0	132.6	Cwt.	45,113	46,733	47,896	505,163	413,996	502,124
Potatoes	1,293.4	1,259.3	1,281.9	Cwt.	389,320	356,438	370,344	1,682,949	2,143,971	2,523,904
Grapefruit 2/	147.9	149.6	151.4	Ctn.	127,550	137,400	140,000	414,395	478,588	424,236
Lemons 2/	63.9	64.5	63.8	Ctn.	57,200	41,300	40,000	182,171	202,046	223,504
Oranges 2/	569.5	575.3	583.6	Ctn.	362,350	400,500	414,300	1,322,499	1,773,681	1,776,367
Tangerines 2/	19.3	19.5	19.2	Ctn.	10,940	10,280	11,180	69,720	80,400	83,378
Grapes 3/	763.7	760.8	745.0	Tons	5,253.5	6,032.1	5,930.1	1,358,728	1,603,295	1,831,951

1/ Not available. 2/ Crop season. 3/ Utilized production. 4/ Value of production for crop years 1982-1986 are subject to revision fall 1990.

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States, 1979-90

Specie and class	Inventory 1/				Value 2/			
	1979	1980	1981	1982	1979	1980	1981	1982
	1,000 Head				1,000 Dollars			
ARIZONA								
CATTLE AND CALVES 3/	1,200	1,050	1,075	1,000	462,000	488,250	494,500	410,000
Beef cows that have calved	287	258	285	275				
Milk cows that have calved	70	72	75	80				
Beef cow replacement heifers	60	45	49	49				
Milk cow replacement heifers	15	13	17	19				
Other heifers 500 pounds and over	17	27	32	25				
Steers 500 pounds and over	504	420	361	334				
Bulls 500 pounds and over	25	24	26	26				
Calves under 500 pounds	222	191	230	192				
Cattle on feed 4/	490	420	401	330				
HOGS 5/	144	149	180	170	10,296	8,866	11,880	12,665
Breeding hogs	18	19	23	21				
Market hogs	126	130	157	149				
Under 60 pounds	39	52	52	57				
60-119 pounds	34	27	36	33				
120-179 pounds	28	26	35	33				
180 pounds and over	25	25	34	26				
SHEEP AND LAMBS 3/	425	385	372	377	24,447	26,373	20,274	25,636
Stock sheep	340	325	325	320				
Ewes one year or older	270	246	240	235				
Rams & wethers one year or older	10	10	9	8				
Ewe lambs	43	49	56	54				
Wether and ram lambs	17	20	20	23				
Sheep and lambs on feed	85	60	47	57				
GOATS 3/ 6/								
Angora goats								
CHICKENS 5/	650	580	550	530	1,008	870	825	1,140
Hens and pullets of laying age	582	488	460	480				
UNITED STATES								
CATTLE AND CALVES 3/	110,864	111,242	114,351	115,444	44,697,773	55,844,204	54,123,534	47,905,367
Beef cows that have calved	37,062	37,107	38,773	39,230				
Milk cows that have calved	10,790	10,758	10,849	10,986				
Beef cow replacement heifers	5,527	5,942	6,137	6,607				
Milk cow replacement heifers	3,932	4,159	4,342	4,547				
Other heifers 500 pounds and over	7,445	7,132	7,280	7,190				
Steers 500 pounds and over	16,442	16,049	15,521	15,497				
Bulls 500 pounds and over	2,403	2,492	2,547	2,611				
Calves under 500 pounds	27,263	27,603	28,903	28,777				
Cattle on feed 4/	13,274	12,221	11,598	10,618				
HOGS 5/	60,356	67,318	64,462	58,698	5,023,454	3,772,812	4,815,218	4,114,350
Breeding hogs	9,605	9,645	9,118	7,844				
Market hogs	50,751	57,674	55,344	50,854				
Under 60 pounds	21,244	22,834	22,131	19,490				
60-119 pounds	13,086	15,429	13,977	12,926				
120-179 pounds	9,443	11,281	10,996	10,439				
180 pounds and over	6,979	8,130	8,240	7,999				
SHEEP AND LAMBS 3/	12,365	12,699	12,947	12,997	890,970	993,093	904,303	742,139
Stock sheep	10,786	11,077	11,298	11,433				
Ewes one year or older	8,366	8,533	8,780	8,811				
Rams & wethers one year or older	380	366	371	389				
Ewe lambs	1,684	1,810	1,790	1,810				
Wether and ram lambs	356	368	358	423				
Sheep and lambs on feed	1,579	1,622	1,649	1,564				
GOATS 3/ 6/	1,360	1,400	1,380	1,410	61,200	64,400	53,130	57,810
Angora goats								
CHICKENS 5/	396,933	400,585	391,931	385,338	696,019	726,365	737,495	728,460
Hens and pullets of laying age	293,306	294,933	294,067	293,804				

See footnotes at end of table.

Continued--

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States, 1979-90--continued

Specie and class	Inventory 1/				Value 2/			
	1983	1984	1985	1986	1983	1984	1985	1986
	1,000 Head				1,000 Dollars			
ARIZONA								
CATTLE AND CALVES 3/	1,000	980	1,050	1,050	400,000	377,300	414,750	393,750
Beef cows that have calved	278	268	272	293				
Milk cows that have calved	82	82	83	88				
Beef cow replacement heifers	37	32	37	47				
Milk cow replacement heifers	21	15	18	21				
Other heifers 500 pounds and over	17	14	10	10				
Steers 500 pounds and over	306	305	350	306				
Bulls 500 pounds and over	29	24	30	31				
Calves under 500 pounds	230	240	250	254				
Cattle on feed 4/	385	407	419	344				
HOGS 5/	170	150	170	175	17,425	11,700	15,640	13,913
Breeding hogs	21	18	20	20				
Market hogs	149	132	150	155				
Under 60 pounds	58	51	51	55				
60-119 pounds	34	30	40	45				
120-179 pounds	29	27	31	34				
180 pounds and over	28	24	28	21				
SHEEP AND LAMBS 3/	343	306	266	278	22,124	21,267	16,492	18,487
Stock sheep	293	261	232	246				
Ewes one year or older	201	178	148	161				
Rams & wethers one year or older	16	12	11	14				
Ewe lambs	51	48	48	44				
Wether and ram lambs	25	23	25	27				
Sheep and lambs on feed	50	45	34	32				
GOATS 3/ 6/								
Angora goats								
CHICKENS 5/	500	400	490	460	750	780	980	713
Hens and pullets of laying age	470	380	462	380				
UNITED STATES								
CATTLE AND CALVES 3/	115,001	113,360	109,582	105,378	46,708,350	44,835,025	44,006,068	41,230,884
Beef cows that have calved	37,940	37,484	35,406	33,753				
Milk cows that have calved	11,047	11,059	10,777	11,116				
Beef cow replacement heifers	6,336	6,181	5,548	5,165				
Milk cow replacement heifers	4,545	4,533	4,770	4,709				
Other heifers 500 pounds and over	7,965	7,817	8,081	8,111				
Steers 500 pounds and over	16,214	16,202	16,214	15,862				
Bulls 500 pounds and over	2,609	2,544	2,413	2,266				
Calves under 500 pounds	28,346	27,540	26,373	24,397				
Cattle on feed 4/	12,051	11,594	12,453	11,731				
HOGS 5/	54,534	56,694	54,073	52,314	4,903,494	3,330,801	4,056,938	3,640,420
Breeding hogs	7,475	7,391	6,945	6,778				
Market hogs	47,059	49,303	47,128	45,536				
Under 60 pounds	18,830	19,028	18,069	17,306				
60-119 pounds	11,942	12,626	12,008	11,700				
120-179 pounds	9,375	9,985	9,607	9,320				
180 pounds and over	6,912	7,664	7,444	7,210				
SHEEP AND LAMBS 3/	12,140	11,559	10,716	10,145	628,599	602,847	654,079	684,038
Stock sheep	10,479	9,841	9,130	8,658				
Ewes one year or older	8,343	7,936	7,431	6,958				
Rams & wethers one year or older	374	343	323	318				
Ewe lambs	1,420	1,243	1,078	1,060				
Wether and ram lambs	343	319	297	321				
Sheep and lambs on feed	1,661	1,718	1,586	1,487				
GOATS 3/ 6	1,420	1,450	1,590	1,770	53,250	82,215	76,797	70,977
Angora goats								
CHICKENS 5/	379,219	364,880	374,443	370,398	702,556	716,700	756,586	703,815
Hens and pullets of laying age	289,637	278,517	286,583	281,519				

See footnotes at end of table.

Continued--

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States, 1979-90-continued

Specie and class	Inventory 1/				Value 2/			
	1987	1988	1989	1990	1987	1988	1989	1990
	1,000 Head				1,000 Dollars			
ARIZONA								
CATTLE AND CALVES 3/	1,000	960	880	830	385,000	480,000	497,200	485,550
Beef cows that have calved	268	260	263	259				
Milk cows that have calved	87	90	92	91				
Beef cow replacement heifers	54	51	49	48				
Milk cow replacement heifers	20	19	20	20				
Other heifers 500 pounds and over	18	14	12	11				
Steers 500 pounds and over	285	299	262	215				
Bulls 500 pounds and over	30	27	26	24				
Calves under 500 pounds	238	200	156	162				
Cattle on feed 4/	343	351	275	253				
HOGS 5/	155	130	130	100	17,360	12,155	9,750	8,800
Breeding hogs	18	14	15	12				
Market hogs	137	116	115	88				
Under 60 pounds	39	34	44	29				
60-119 pounds	37	30	27	24				
120-179 pounds	37	29	23	20				
180 pounds and over	24	23	21	15				
SHEEP AND LAMBS 3/	283	284	284	262	19,244	25,418	25,560	
Stock sheep	219	237	239	220				
Ewes one year or older	144	180	185	170				
Rams & wethers one year or older	11	12	9	8				
Ewe lambs	41	28	26	27				
Wether and ram lambs	23	17	19	15				
Sheep and lambs on feed	64	47	45	42				
GOATS 3/ 6/			100	98			5,500	4,900
Angora goats								
CHICKENS 5/	528	385	310	320	1,188	616	496	768
Hens and pullets of laying age	480	370	300	315				
UNITED STATES								
CATTLE AND CALVES 3/	102,118	99,622	99,180	99,337	41,567,085	52,147,608	60,234,219	63,627,207
Beef cows that have calved	33,945	33,183	33,515	33,705				
Milk cows that have calved	10,466	10,311	10,212	10,149				
Beef cow replacement heifers	5,214	5,249	5,477	5,474				
Milk cow replacement heifers	4,305	4,122	4,205	4,291				
Other heifers 500 pounds and over	7,638	7,869	7,725	8,093				
Steers 500 pounds and over	15,345	15,704	15,679	16,067				
Bulls 500 pounds and over	2,209	2,175	2,215	2,211				
Calves under 500 pounds	22,995	21,008	20,152	19,348				
Cattle on feed 4/	11,277	11,872	11,440	11,626				
HOGS 5/	51,001	54,384	55,469	53,852	4,686,943	4,132,872	3,677,751	4,258,285
Breeding hogs	6,691	7,080	7,054	6,868				
Market hogs	44,311	47,305	48,415	46,983				
Under 60 pounds	16,786	17,735	18,011	17,195				
60-119 pounds	11,246	11,938	12,394	12,185				
120-179 pounds	9,113	9,649	10,025	9,680				
180 pounds and over	7,164	7,982	7,984	7,923				
SHEEP AND LAMBS 3/	10,572	10,945	10,858	11,368	799,254	984,961	894,912	903,598
Stock sheep	9,059	9,364	9,212	9,651				
Ewes one year or older	7,037	7,348	7,187	7,649				
Rams & wethers one year or older	333	342	334	356				
Ewe lambs	1,311	1,323	1,344	1,338				
Wether and ram lambs	378	352	346	309				
Sheep and lambs on feed	1,513	1,581	1,646	1,717				
GOATS 3/ 6/	1,780	1,800			82,592	108,180		
Angora goats			1,920	1,900			107,630	94,770
CHICKENS 5/	372,833	380,437	356,105	355,790	698,124	710,895	726,442	769,527
Hens and pullets of laying age	283,193	288,320	275,447	270,628				

1/ Totals may not add due to rounding. 2/ Annual inventory value published only for the total inventory number. 3/ Estimates are based on January 1 of the current year. 4/ Total cattle on feed included in other classes. 5/ Estimates are based on December 1 of the previous year. 6/ Estimates for Arizona, Michigan, New Mexico, and Oklahoma began in January 1989. U.S. totals prior to 1989 are for Texas only.

RANKING OF STATES PRODUCING MAJOR ARIZONA COMMODITIES: Based on production 1988 and 1989

Commodity	First		Second		Third		Fourth		Fifth		Arizona		Number of states in estimating program
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	
All cotton	TX	TX	CA	CA	MS	MS	AZ	AZ	AR	LA	4	4	17
Upland cotton	TX	TX	CA	CA	MS	MS	AR	LA	LA	AR	6	6	17
American-Pima cotton	AZ	AZ	TX	TX	NM	NM	CA	CA			1	1	4
Cottonseed	TX	TX	CA	CA	MS	MS	AZ	AZ	AR	AR	4	4	17
All hay	CA	TX	MN	CA	IA	WI	NE	MO	TX	IA	31	33	48
Alfalfa hay	CA	WI	IA	CA	MN	IA	WI	MI	NE	MN	21	26	43
All other hay	TX	TX	MO	MO	KY	KY	KS	OK	OK	TN	45	43	48
All wheat	KS	ND	OK	KS	WA	OK	ND	MT	TX	WA	31	28	42
Durum wheat	ND	ND	CA	CA	AZ	AZ	MT	MT	MN	SD	3	3	6
Winter wheat	KS	KS	OK	OK	WA	IL	TX	MO	MO	WA	34	36	42
Barley	ID	ND	ND	MT	WA	ID	MT	MN	MN	WA	21	19	28
Corn for grain	IA	IA	NE	IL	IL	NE	IN	MN	MN	IN	40	40	41
Sorghum for grain	KS	KS	TX	TX	NE	NE	MO	MO	AR	AR	19	19	20
Fresh market vegetables	CA	CA	FL	FL	AZ	AZ	TX	TX	OR	OR	3	3	31
Lettuce	CA	CA	AZ	AZ	FL	FL	CO	CO	NM	NY	2	2	12
Dry onions	CA	CA	OR	TX	CO	OR	TX	CO	ID	ID	12	13	15
Broccoli	CA	CA	TX	AZ	AZ	TX	OR	OR			3	2	4
Carrots	CA	CA	WA	WA	TX	TX	MI	MI	WI	WI	12	12	13
Cauliflower	CA	CA	AZ	AZ	OR	OR	NY	NY	TX	TX	2	2	6
Honeydews	CA	CA	TX	TX	AZ	AZ					3	3	3
Potatoes	ID	ID	WA	WA	ME	WI	OR	OR	CO	CO	24	22	37
All oranges	FL	FL	CA	CA	AZ	TX	TX	AZ			4	4	4
Grapefruit	FL	FL	CA	CA	TX	TX	AZ	AZ			4	4	4
Lemons	CA	CA	AZ	AZ							2	2	2
Tangerines	FL	FL	CA	CA	AZ	AZ					3	3	3
All grapes	CA	CA	WA	WA	NY	NY	PA	PA	MI	MI	6	6	12
All cattle and calves 1/	TX	TX	KS	NE	NE	KS	OK	OK	CA	CA	34	35	50
Cattle on feed 1/	TX	TX	NE	NE	KS	KS	IA	IA	CO	CO	10	10	13
Milk production	WI	WI	CA	CA	NY	NY	MN	MN	PA	PA	23	22	50
Sheep and lambs 1/	TX	TX	CA	CA	WY	WY	CO	CO	MT	MT	13	15	41
Hogs and pigs 2/	IA	IA	IL	IL	MN	MN	IN	IN	NE	NE	30	31	50
All chickens 2/ 3/	CA	CA	IN	IN	PA	GA	GA	PA	OH	AR	43	43	50

1/ January 1 following year inventory.
2/ December 1 inventory.
3/ Excludes commercial broilers.

FARM INCOME INDICATORS: Arizona 1978-88 1/

Item	1978	1979	1980	1981	1982
			Million dollars		
Gross farm income 2/	1,679.2	1,771.3	1,909.0	1,895.4	1,803.2
Cash income	1,567.8	1,751.6	1,711.7	1,746.8	1,820.9
Farm marketings	1,496.8	1,704.6	1,676.9	1,710.6	1,649.6
Crops	729.8	857.4	893.7	981.0	942.5
Livestock and products	767.0	847.2	783.3	729.6	707.1
Government payments	9.2	9.1	5.1	5.9	59.4
Other farm income	61.8	37.9	29.7	30.3	111.8
Machine hire/customwork	7.4	8.5	7.5	8.2	16.8
Other farm-related income 3/	54.5	29.4	22.2	22.1	95.0
Noncash income	64.3	62.1	86.0	86.2	92.9
Value of home consumption	4.0	6.8	9.9	6.9	7.4
Rental value of dwellings	60.3	55.2	76.1	79.3	85.5
Operators dwellings	56.7	51.8	72.6	75.9	81.5
Hired laborers dwellings	3.6	3.5	3.5	3.5	4.1
Value of inventory adjustment	47.1	-42.3	111.3	62.4	-110.6
Total production expenses 2/	1,392.9	1,466.3	1,570.6	1,517.3	1,494.5
Intermediate product expenses	947.8	944.0	984.6	908.0	934.9
Farm origin	571.2	529.0	526.7	435.1	411.6
Feed purchased	218.8	233.4	276.6	256.1	237.8
Livestock and poultry purchased	340.2	282.4	235.7	164.0	160.1
Seed purchased	12.1	13.2	14.4	15.1	13.7
Manufactured inputs	179.5	200.3	240.1	248.6	229.4
Fertilizer and lime	45.0	48.2	70.4	68.8	60.3
Pesticides	42.2	53.0	52.9	60.8	60.0
Fuel and oil	57.3	63.6	79.8	77.5	61.7
Electricity	34.9	35.6	36.9	41.4	47.3
Other	197.1	214.6	217.8	224.3	293.9
Repair and maintenance	28.9	36.8	42.7	38.5	34.6
Other miscellaneous 4/	168.3	177.9	175.1	185.8	259.3
Interest	84.6	117.5	145.9	181.8	192.9
Real estate	33.7	40.2	48.6	54.6	58.3
Nonreal estate	50.9	77.2	97.3	127.2	134.6
Contract and hired labor expenses	171.4	184.2	188.8	179.7	184.6
Cash labor expenses 5/	159.2	171.0	175.1	166.6	174.8
Perquisites	12.2	13.2	13.6	13.1	9.8
Net rent to nonoperator landlords 6/	16.1	32.6	40.9	33.4	36.2
Capital consumption	142.7	158.1	181.9	186.4	129.9
Property taxes	30.2	30.0	28.6	28.1	16.0
NET FARM INCOME	286.3	305.0	338.4	378.1	308.7
Cash income 7/	1,567.8	1,751.6	1,711.7	1,746.8	1,820.9
Cash expenses 7/	1,231.0	1,287.4	1,364.9	1,308.2	1,338.7
Intermediate product expenses	943.2	939.2	977.5	901.7	925.5
Interest	83.1	115.7	143.7	179.4	186.7
Cash labor expenses 5/	159.2	171.0	175.1	166.6	174.8
Net rent to nonoperator landlords 6/	16.1	32.6	40.9	33.4	36.2
Property taxes	29.3	28.9	27.6	27.2	15.5
NET CASH INCOME	336.8	464.2	346.8	438.6	482.1
Cash income	1,567.8	1,751.6	1,711.7	1,746.8	1,820.9
Cash expenses	1,231.0	1,287.4	1,364.9	1,308.2	1,338.7
Capital consumption	128.1	139.1	155.3	158.4	99.2
NET BUSINESS INCOME 8/	208.7	325.0	191.6	280.2	382.9
Gross receipts of farms 9/	1,622.5	1,719.5	1,836.4	1,819.5	1,721.7
Nonfactor payments 7/	1,100.6	1,107.3	1,160.4	1,087.3	1,040.3
Intermediate product expenses	943.2	939.2	977.5	901.7	925.5
Capital consumption	128.1	139.1	155.3	158.4	99.2
Property taxes	29.3	28.9	27.6	27.2	15.5
Factor payments 7/	521.9	612.3	676.0	732.3	681.5
Interest	83.1	115.7	143.7	179.4	186.7
Contract and hired labor expenses	171.4	184.2	188.8	179.7	184.6
Net rent to nonoperator landlords 6/	16.1	32.6	40.9	33.4	36.2
RETURNS TO OPERATORS 10/	251.2	279.8	302.6	339.8	274.0
Off-farm income 11/	165.2	199.6	204.6	196.9	197.3

See footnotes at end of table.

Continued—

FARM INCOME INDICATORS: Arizona, 1978-88 1/-continued

Item	1983	1984	1985	1986	1987	1988
			Million dollars			
Gross farm income 2/	1,725.2	2,006.1	1,823.8	1,754.0	2,030.4	2,157.0
Cash income	1,788.2	1,897.2	1,729.8	1,774.5	1,948.6	2,113.5
Farm marketings	1,583.9	1,703.4	1,546.9	1,614.4	1,759.9	1,959.5
Crops	839.0	950.2	845.9	918.2	987.3	1,166.9
Livestock and products	744.9	753.3	701.0	696.1	772.6	792.5
Government payments	102.9	118.4	95.3	83.6	97.3	77.8
Other farm income	101.4	75.4	87.6	76.6	91.3	76.2
Machine hire/customwork	9.6	9.4	10.5	6.9	10.7	9.6
Other farm-related income 3/	91.8	66.1	77.0	69.6	80.6	66.7
Noncash income	94.7	43.1	40.7	78.4	84.2	73.9
Value of home consumption	5.4	6.6	5.9	4.6	6.6	4.6
Rental value of dwellings	89.3	36.5	34.8	73.8	77.6	69.3
Operators dwellings	85.3	29.0	28.1	71.3	75.2	66.9
Hired laborers dwellings	4.0	7.5	6.7	2.5	2.5	2.4
Value of inventory adjustment	-157.8	65.8	53.3	-98.9	-2.4	-30.4
Total production expenses 2/	1,506.7	1,479.6	1,376.9	1,348.7	1,471.2	1,588.0
Intermediate product expenses	960.6	942.5	842.7	760.5	859.3	950.1
Farm origin	452.4	435.4	367.5	354.3	437.5	503.9
Feed purchased	261.6	242.6	201.5	207.0	250.5	292.8
Livestock and poultry purchased	178.8	177.1	151.1	134.4	174.0	197.5
Seed purchased	12.0	15.7	14.9	12.9	13.0	13.6
Manufactured inputs	204.1	223.4	195.9	181.1	191.1	203.2
Fertilizer and lime	50.0	59.4	50.8	35.2	36.1	41.4
Pesticides	53.1	62.8	56.8	62.8	64.3	66.1
Fuel and oil	57.8	58.8	52.1	38.1	35.3	36.1
Electricity	43.4	42.4	36.2	45.0	55.5	59.6
Other	304.0	283.8	279.3	225.1	230.7	243.0
Repair and maintenance	36.1	34.8	34.5	40.6	38.8	39.9
Other miscellaneous 4/	267.9	249.0	244.7	184.5	191.8	203.1
Interest	184.3	182.1	182.6	165.6	168.2	170.1
Real estate	62.5	63.4	65.0	60.0	57.8	62.0
Nonreal estate	121.8	118.7	117.6	105.6	110.4	108.1
Contract and hired labor expenses	173.1	183.1	194.4	195.1	213.8	221.3
Cash labor expenses 5/	163.4	172.3	184.4	187.4	204.4	212.3
Perquisites	9.7	10.8	10.0	7.7	9.4	9.0
Net rent to nonoperator landlords 6/	43.8	50.2	42.7	31.5	41.6	53.8
Capital consumption	126.5	105.6	97.7	164.9	160.0	166.3
Property taxes	18.4	16.2	16.9	31.1	28.3	26.4
NET FARM INCOME	218.5	526.5	446.9	405.3	559.3	569.1
Cash income 7/	1,788.2	1,897.2	1,729.8	1,774.5	1,948.6	2,113.5
Cash expenses 7/	1,353.3	1,352.1	1,262.4	1,157.3	1,287.5	1,398.2
Intermediate product expenses	950.7	938.6	838.1	748.9	849.3	940.2
Interest	177.6	175.5	180.9	161.0	166.1	167.6
Cash labor expenses 5/	163.4	172.3	184.4	187.4	204.4	212.3
Net rent to nonoperator landlords 6/	43.8	50.2	42.7	31.5	41.6	53.8
Property taxes	17.7	15.6	16.3	28.7	26.1	24.3
NET CASH INCOME	434.9	545.2	467.4	617.2	661.1	715.3
Cash income	1,788.2	1,897.2	1,729.8	1,774.5	1,948.6	2,113.5
Cash expenses	1,353.3	1,352.1	1,262.4	1,157.3	1,287.5	1,398.2
Capital consumption	97.1	94.4	87.0	138.6	138.8	146.6
NET BUSINESS INCOME 8/	337.8	450.7	380.4	478.5	522.3	568.7
Gross receipts of farms 9/	1,639.9	1,977.1	1,795.7	1,682.7	1,955.2	2,090.1
Nonfactor payments 7/	1,065.5	1,048.6	941.4	916.2	1,014.1	1,111.1
Intermediate product expenses	950.7	938.6	838.1	748.9	849.3	940.2
Capital consumption	97.1	94.4	87.0	138.6	138.8	146.6
Property taxes	17.7	15.6	16.3	28.7	26.1	24.3
Factor payments 7/	574.3	928.5	854.3	766.5	941.1	979.0
Interest	177.6	175.5	180.9	161.0	166.1	167.6
Contract and hired labor expenses	173.1	183.1	194.4	195.1	213.8	221.3
Net rent to non-operator landlords 6/	43.8	50.2	42.7	31.5	41.6	53.8
RETURNS TO OPERATORS 10/	179.8	519.8	436.3	379.0	519.6	536.2
Off-farm income 11/	197.4	205.6	284.8	253.1	265.1	293.0

1/ 1982 data through 1986 revised October 1991. 2/ Includes operator dwellings. 3/ Includes forest product sales, recreational income, and other farm business-related income. Estimates for 1982 and later include income from custom feeding services. 4/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. Definitions and data sources for 1978 are not directly compatible with those of earlier years. 5/ Includes contract labor expenses, hired labor wages, and Social Security payments. 6/ Uses different data sources among the period for 1978, 1979-83, and 1984 and later. Estimates are not directly compatible among periods. 7/ Excludes operator dwellings. 8/ Cash income less cash expenses and capital consumption. 9/ Gross farm income less rental value of operator dwellings. 10/ Gross receipts of farms less nonfactor payments, interest, contract and hired labor expenses, and net rent to nonoperator landlords. 11/ Includes off-farm income for members of farm operators' family.

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

CASH RECEIPTS

Cash receipts are computed as marketing volume times price and are usually reported on a calendar-year basis. Marketings can come from current production or from storage of past year's crop (assuming a crop is storable, like 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 times 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, 1978-89 1/

Commodity Group	1978	1979	1980	1981	1982	1983
			1,000 dollars			
Cotton lint	298,298	391,298	409,397	437,796	443,395	375,372
Cottonseed	37,303	39,852	49,327	42,111	22,090	32,452
Hay	59,282	71,619	80,847	73,740	78,875	81,119
Wheat	30,029	34,466	64,838	92,169	39,035	48,229
Barley	6,951	6,941	9,568	9,279	8,735	6,500
Corn	11,490	13,681	9,521	9,939	6,721	3,816
Sorghum grain	4,495	4,283	8,341	5,517	2,896	3,417
Lettuce	101,180	91,207	88,563	106,640	143,575	84,682
Cauliflower	2,582	5,674	9,008	9,953	14,424	12,250
Potatoes	12,665	5,597	6,542	10,744	9,177	8,404
Cantaloups	17,702	17,661	14,244	14,571	14,026	20,640
Watermelons	3,904	3,568	3,632	5,418	5,188	5,569
Onions	3,772	4,816	11,748	8,704	6,899	5,287
Broccoli	1,258	1,847	1,330	1,542	1,866	1,458
Honeydews	2,654	2,272	2,299	4,589	4,643	4,284
Carrots	2,355	2,720	2,708	2,807	5,735	5,370
Miscellaneous vegetables	25,883	39,915	29,453	38,087	17,822	39,899
Grapefruit	6,173	5,745	5,912	10,651	6,936	6,090
Oranges	23,141	15,299	10,190	8,626	22,575	12,342
Lemons	13,277	42,289	22,317	21,629	18,343	19,123
Tangerines	5,514	828	1,771	2,068	5,465	1,832
Grapes	13,428	12,499	14,438	15,302	14,905	15,267
Miscellaneous fruits and nuts	15,879	17,586	3,583	14,475	14,055	15,065
All other crops 2/	30,604	25,745	34,084	34,663	35,147	30,550
TOTAL ALL CROPS	729,819	857,408	893,661	981,020	942,528	839,017
Cattle and calves	629,087	679,563	602,298	522,914	461,956	495,648
Hogs	18,520	24,070	22,448	28,743	35,011	31,963
Sheep and lambs	9,253	13,472	10,524	8,675	9,660	7,443
Dairy products	101,234	118,969	137,633	158,920	166,387	171,252
Eggs	4,692	5,519	4,056	4,489	4,734	4,628
Honey	602	1,799	2,436	1,917	3/	3/
Wool	1,557	1,733	1,793	1,885	1,326	912
Miscellaneous livestock & products	2,018	2,079	2,078	2,040	28,040	33,056
TOTAL ALL LIVESTOCK AND PRODUCTS	766,963	847,204	783,266	729,583	707,114	744,902
TOTAL ALL COMMODITIES	1,496,782	1,704,612	1,676,927	1,710,603	1,649,642	1,583,919
GOVERNMENT PAYMENTS	9,172	9,072	5,081	5,860	59,447	102,924
TOTAL CASH RECEIPTS	1,505,954	1,713,684	1,682,008	1,716,463	1,709,089	1,686,843

See footnotes at end of table.

Continued--

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS AND GOVERNMENT PAYMENTS: Arizona, 1978-89 1/-continued

Commodity Group	1984	1985	1986	1987	1988	1989
			1,000 dollars			
Cotton lint	355,824	254,264	314,877	337,255	325,837	447,185
Cottonseed	32,470	25,521	23,866	29,926	44,787	38,499
Hay	92,153	75,039	74,805	89,691	118,520	112,917
Wheat	46,986	32,721	31,500	22,972	29,759	41,249
Barley	13,725	15,403	6,925	4,434	2,896	2,863
Corn	6,173	5,362	4,260	1,959	4,791	4,197
Sorghum grain	3,082	3,270	1,789	1,231	1,090	632
Lettuce	106,300	109,911	125,204	159,848	321,363	190,130
Cauliflower	16,514	19,345	20,498	21,920	19,935	21,974
Potatoes	14,812	11,982	9,256	13,829	11,379	11,379
Cantaloups	18,476	13,514	24,830	17,072	21,699	14,731
Watermelons	6,341	6,714	8,586	7,869	10,695	8,873
Onions	7,366	5,386	5,795	11,993	3,398	3,916
Broccoli	2,772	4,620	5,474	8,328	9,697	11,124
Honeydews	5,890	4,235	5,555	5,462	7,266	3,780
Carrots	5,580	3,742	4,316	4,200	2,428	3,737
Miscellaneous vegetables	27,495	38,723	47,430	48,821	47,491	46,961
Grapefruit	13,150	17,683	9,401	9,974	7,703	8,408
Oranges	16,766	19,125	19,138	14,126	17,484	12,920
Lemons	23,856	57,382	15,823	46,340	22,914	20,855
Tangerines	9,074	10,030	4,996	9,886	7,291	8,848
Grapes	18,261	17,908	25,070	21,279	29,913	17,861
Miscellaneous fruits and nuts	16,067	15,125	24,152	15,845	15,859	17,669
All other crops 2/	91,025	78,899	92,117	88,541	92,678	100,690
TOTAL ALL CROPS	950,158	845,904	905,663	992,801	1,176,873	1,151,398
Cattle and calves	504,388	433,662	423,085	483,269	518,411	450,771
Hogs	28,551	27,462	33,129	33,232	23,612	19,865
Sheep and lambs	7,510	6,884	5,554	10,369	11,587	10,662
Dairy products	168,166	183,794	172,847	182,528	184,760	205,903
Eggs	5,388	4,373	5,344	3,348	3,082	4,147
Honey	2,240	2,382	2,002	1,784	1,753	1,949
Wool	1,029	982	1,089	1,346	1,890	1,793
Miscellaneous livestock & products	35,997	41,481	53,089	58,214	46,592	49,108
TOTAL ALL LIVESTOCK AND PRODUCTS	753,269	701,020	696,139	774,090	791,687	744,198
TOTAL ALL COMMODITIES	1,703,427	1,546,924	1,601,802	1,766,891	1,968,560	1,895,596
GOVERNMENT PAYMENTS	118,385	95,292	83,564	97,338	77,834	3/
TOTAL CASH RECEIPTS	1,821,812	1,642,216	1,685,366	1,864,229	2,046,394	

1/ 1982 data through 1984 revised October 1991.
2/ Includes miscellaneous field crops, seed crops, and greenhouse/nursery.
3/ Not available.
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, 1978-89 1/

County	1978	1979	1980	1981	1982	1983
			1,000 dollars			
Apache	39,679	23,709	23,289	19,314	21,156	21,748
Cochise	79,634	63,783	64,599	65,892	57,860	59,417
Coconino	41,299	26,804	17,829	16,178	15,835	18,455
Gila	17,025	14,168	11,799	10,502	10,317	9,237
Graham	39,638	37,985	35,549	40,249	41,437	41,836
Greenlee	10,078	8,368	9,052	7,852	6,809	8,439
La Paz 2/						70,214
Maricopa	527,389	636,457	662,921	700,677	673,602	620,104
Mohave	28,439	21,154	24,446	22,342	22,784	24,792
Navajo	34,146	27,547	26,918	28,438	30,401	31,559
Pima	55,257	49,742	50,459	53,176	48,554	46,202
Pinal	289,494	381,548	355,673	334,985	294,665	303,016
Santa Cruz	10,184	7,779	7,527	5,495	4,837	6,648
Yavapai	36,734	28,183	29,370	23,001	23,303	26,924
Yuma	287,785	377,387	357,498	382,502	398,082	295,328
ARIZONA	1,496,782	1,704,612	1,676,927	1,710,603	1,649,642	1,583,919

See footnotes at end of table.

Continued--

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Crops, Arizona, by counties, 1978-89 1/

County	1978	1979	1980	1981	1982	1983
			1,000 dollars			
Apache	11,493	4,662	3,068	920	1,623	1,865
Cochise	34,782	35,766	37,439	42,087	35,570	34,028
Coconino	16,867	10,394	1,029	1,202	469	661
Gila	928	3,922	312	273	361	620
Graham	16,715	17,485	14,372	20,075	22,400	21,447
Greenlee	3,033	2,885	2,740	1,609	1,202	1,848
La Paz 2/						67,321
Maricopa	281,982	334,893	369,636	399,583	366,986	343,669
Mohave	5,075	7,344	10,045	7,685	9,670	9,842
Navajo	5,972	4,149	2,093	1,977	2,107	2,574
Pima	19,453	20,180	20,090	26,290	24,017	19,324
Pinal	121,177	142,652	170,761	185,713	170,255	142,151
Santa Cruz	761	1,860	1,826	868	723	905
Yavapai	1,765	7,450	6,393	1,333	2,262	3,017
Yuma	209,815	263,767	253,859	291,405	304,883	189,745
ARIZONA	729,819	857,408	893,661	981,020	942,528	839,017

See footnotes at end of table.

Continued--

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Livestock and livestock products, Arizona, by counties, 1978-89 1/

County	1978	1979	1980	1981	1982	1983
			1,000 dollars			
Apache	28,186	19,047	20,221	18,394	19,533	19,883
Cochise	44,852	28,017	27,160	23,805	22,290	25,389
Coconino	24,432	16,410	16,800	14,976	15,366	17,794
Gila	16,097	10,246	11,487	10,229	9,956	8,617
Graham	22,923	20,500	21,177	20,174	19,037	20,389
Greenlee	7,045	5,483	6,312	6,243	5,607	6,591
La Paz 2/						2,893
Maricopa	245,407	301,564	293,285	301,094	306,616	276,435
Mohave	23,364	13,810	14,401	14,657	13,114	14,950
Navajo	28,174	23,398	24,825	26,461	28,294	28,985
Pima	35,804	29,562	30,369	26,886	24,537	26,878
Pinal	168,317	238,896	184,912	149,272	124,410	160,865
Santa Cruz	9,423	5,919	5,701	4,627	4,114	5,743
Yavapai	34,969	20,733	22,977	21,668	21,041	23,907
Yuma	77,970	113,620	103,639	91,097	93,199	105,583
ARIZONA	766,963	847,204	783,266	729,583	707,114	744,902

See footnotes at end of table.

Continued--

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Total crops and livestock, Arizona, by counties, 1978-89 1/-continued

County	1984	1985	1986	1987	1988	1989
			1,000 dollars			
Apache	23,460	18,647	22,927	24,217	31,619	28,062
Cochise	50,347	45,522	52,038	53,900	79,261	67,487
Coconino	24,926	22,869	31,604	35,827	37,823	38,710
Gila	7,953	5,941	8,287	14,214	15,581	13,625
Graham	37,002	31,058	39,131	38,718	49,902	48,176
Greenlee	7,792	4,913	6,144	4,618	6,384	6,541
La Paz 2/	78,831	60,172	55,316	67,591	73,358	71,386
Maricopa	670,541	604,081	667,047	674,152	655,315	697,646
Mohave	21,805	18,042	16,142	15,543	18,033	20,218
Navajo	31,295	27,300	38,050	44,601	41,048	37,375
Pima	57,773	43,943	48,197	48,430	56,079	52,057
Pinal	328,610	273,966	273,460	292,840	332,320	351,474
Santa Cruz	7,509	7,128	8,183	12,408	12,482	11,956
Yavapai	31,110	26,668	32,271	36,835	37,022	39,868
Yuma	324,473	356,674	303,005	402,997	522,333	411,015
ARIZONA	1,703,427	1,546,924	1,601,802	1,766,891	1,968,560	1,895,596

1/ 1983 data through 1985 revised October 1991.
2/ La Paz County created from Yuma County in 1983.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Crops, Arizona, by counties, 1978-89 1/-continued

County	1984	1985	1986	1987	1988	1989
			1,000 dollars			
Apache	2,642	2,361	1,726	1,439	3,384	1,360
Cochise	27,754	24,867	29,143	25,447	46,736	38,151
Coconino	652	536	2,015	1,582	2,156	2,619
Gila	580	386	319	239	494	217
Graham	19,583	15,792	21,815	17,735	25,242	29,212
Greenlee	1,506	815	1,373	1,127	1,947	1,513
La Paz 2/	77,041	59,323	54,515	65,507	71,298	69,491
Maricopa	400,235	336,645	377,279	387,286	396,791	423,815
Mohave	9,011	5,533	6,282	6,213	7,779	10,530
Navajo	3,116	1,473	1,823	1,492	3,080	2,734
Pima	30,613	22,190	21,798	17,513	23,268	19,478
Pinal	154,254	120,208	151,172	151,387	172,634	229,117
Santa Cruz	513	260	351	1,975	1,387	2,068
Yavapai	2,283	2,014	2,194	2,204	4,091	1,942
Yuma	220,375	253,501	233,858	311,655	416,586	319,151
ARIZONA	950,158	845,904	905,663	992,801	1,176,873	1,151,398

1/ 1983 data through 1984 revised October 1991.
2/ La Paz County created from Yuma County in 1983.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Livestock and livestock products, Arizona, by counties, 1978-89 1/-continued

County	1984	1985	1986	1987	1988	1989
			1,000 dollars			
Apache	20,818	16,286	21,201	22,778	28,235	26,702
Cochise	22,593	20,655	22,895	28,453	32,525	29,336
Coconino	24,274	22,333	29,589	34,245	35,667	36,091
Gila	7,373	5,555	7,968	13,975	15,087	13,408
Graham	17,419	15,266	17,316	20,983	24,660	18,964
Greenlee	6,286	4,098	4,771	3,491	4,437	5,028
La Paz 2/	1,790	849	801	2,084	2,060	1,895
Maricopa	270,306	267,436	289,768	286,866	258,524	273,831
Mohave	12,794	12,509	9,860	9,330	10,254	9,688
Navajo	28,179	25,827	36,227	43,109	37,968	34,641
Pima	27,160	21,753	26,399	30,917	32,811	32,579
Pinal	174,356	153,758	122,288	141,453	159,686	122,357
Santa Cruz	6,996	6,868	7,832	10,433	11,095	9,888
Yavapai	28,827	24,654	30,077	34,631	32,931	37,926
Yuma	104,098	103,173	69,147	91,342	105,747	91,864
ARIZONA	753,269	701,020	696,139	774,090	791,687	744,198

1/ 1983 data through 1985 revised October 1991.
2/ La Paz County created from Yuma County in 1983.

VALUE OF HOME AGRICULTURAL COMMODITY CONSUMPTION: Arizona, 1978-88 1/

Item	1978	1979	1980	1981	1982
			1,000 dollars		
Livestock and products	2/	2/	2/	2/	6,667
Crops	2/	2/	2/	2/	1,270
Total	2/	2/	2/	2/	7,937

See footnotes at end of table.

Continued--

COMMODITY CREDIT CORPORATION LOANS: Arizona, 1978-88

Item	1978	1979	1980	1981	1982
			1,000 dollars		
Net loans 1/	3/	3/	3/	-3,704	82,607
Loans liquidated 2/	3/	3/	3/	107	1,368

See footnotes at end of table.

Continued--

FARM BALANCE SHEET: Arizona, December 31, 1978-88 1/

Item	1978	1979	1980	1981	1982
			Million dollars		
TOTAL FARM ASSETS	7,164.7	9,101.5	12,560.7	12,859.6	12,274.0
Real estate	6,021.4	7,761.0	10,848.6	11,325.0	10,837.5
Livestock and poultry	295.4	497.3	527.5	449.4	440.3
Machinery and motor vehicles	317.6	345.0	479.0	505.7	498.9
Crops	173.2	219.5	363.4	204.6	124.3
Household equipment and furnishings	63.4	100.7	136.8	153.5	168.2
Deposits and currency	175.8	75.0	86.1	96.1	103.8
U.S. savings bonds	44.7	4.5	4.5	4.6	4.6
Investments in cooperatives	73.2	98.6	114.8	120.6	96.3
TOTAL FARM DEBT	1,032.2	1,254.6	1,662.8	1,806.8	1,787.6
Real estate	491.5	465.4	665.4	721.5	714.2
Nonreal estate	540.7	789.3	997.4	1,085.4	1,073.4
EQUITY	6,132.5	7,846.8	10,897.8	11,052.7	10,486.3
			Percent		
RATIOS					
Equity/assets	85.6	86.2	86.8	85.9	85.4
Debt/equity	16.8	16.0	15.3	16.3	17.0
Debt/assets, total	14.4	13.8	13.2	14.1	14.6
Debt/assets, real estate	8.1	6.0	6.0	6.2	6.6
Debt/assets, nonreal estate and CCC	47.6	59.0	58.8	72.1	74.7
Net farm income/debt	31.2	28.0	23.6	23.8	15.9

See footnotes at end of table.

Continued--

VALUE OF HOME AGRICULTURAL COMMODITY CONSUMPTION: Arizona, 1978-88 1/-continued

Item	1983	1984	1985	1986	1987	1988
			1,000 dollars			
Livestock and products	4,637	5,771	4,996	3,716	5,945	3,992
Crops	834	856	889	889	643	615
Total	5,471	6,627	5,885	4,605	6,588	4,607

1/ Value of farm products consumed directly in farm households where produced.
2/ Not available.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

COMMODITY CREDIT CORPORATION LOANS: Arizona, 1978-88-continued

Item	1983	1984	1985	1986	1987	1988
			1,000 dollars			
Net Loans 1/	-21,870	-62,058	89,682	-13,733	-22,754	6,092
Loans liquidated 2/	9,940	10,570	2,149	3,071	1,929	221

1/ Loans made minus loans repaid.
2/ Loans acquired by Commodity Credit Corporation plus loans charged off.
3/ Not available.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

FARM BALANCE SHEET: Arizona, December 31, 1978-88 1/-continued

Item	1983	1984	1985	1986	1987	1988
			Million dollars			
TOTAL FARM ASSETS	12,447.3	11,391.4	10,067.1	10,560.3	9,501.3	9,299.9
Real estate	11,062.5	9,937.5	8,645.6	9,005.4	7,915.0	7,730.0
Livestock and poultry	411.0	447.9	426.9	422.8	518.2	533.0
Machinery and motor vehicles	492.0	489.9	459.9	432.9	400.1	392.0
Crops	79.3	83.6	68.5	92.9	117.7	68.1
Household equipment and furnishings	186.1	202.6	209.9	256.9	237.3	258.2
Deposits and currency	108.8	121.3	134.3	163.6	172.3	174.0
U.S. savings bonds	4.8	5.0	5.6	6.6	7.2	7.6
Investments in cooperatives	102.7	103.7	116.5	179.1	133.5	137.1
TOTAL FARM DEBT	1,852.8	1,938.2	1,792.9	1,777.9	1,731.5	1,645.4
Real estate	753.9	732.0	680.6	705.2	672.6	671.7
Nonreal estate	1,098.8	1,206.2	1,112.3	1,072.7	1,058.8	973.7
EQUITY	10,594.6	9,453.2	8,274.2	8,782.4	7,769.9	7,654.6
			Percent			
RATIOS						
Equity/assets	85.1	83.0	82.2	83.2	81.8	82.3
Debt/equity	17.5	20.5	21.7	20.2	22.3	21.5
Debt/assets, total	14.9	17.0	17.8	16.8	18.2	17.7
Debt/assets, real estate	6.8	7.4	7.9	7.8	8.5	8.7
Debt/assets, nonreal estate and CCC	79.3	83.0	78.3	69.0	66.7	62.0
Net farm income/debt	9.2	25.2	18.4	22.7	31.9	33.7

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

GOVERNMENT PAYMENTS: By program, Arizona 1978-88

Program	1978	1979	1980	1981	1982
			1,000 dollars		
Conservation 1/	3,007	5,249	3,157	2,706	1,492
Feed grain	1,633	751	242	339	823
Wheat	858	277	14	1,748	1,183
Cotton	2,271	1,609	863	83	54,733
Wool Act	2/	2/	503	597	743
Miscellaneous 3/	1,403	1,186	302	387	473
Total	9,172	9,072	5,081	5,860	59,447

See footnotes at end of table.

Continued--

REAL ESTATE FARM DEBT: Amount outstanding by lender, Arizona, December 31, 1978-88 1/

Item	1978	1979	1980	1981	1982
			Million dollars		
Federal land banks	71	85	114	134	147
Farmers Home Administration	36	59	70	78	79
Life Insurance companies	147	197	217	220	220
All operating banks	11	12	14	12	12
Individuals and others	200	223	241	254	256
Total 2/	465	575	656	698	714

See footnotes at end of table.

Continued--

NONREAL ESTATE FARM DEBT: Amount outstanding by lender, December 31, 1978-88 1/

Item	1978	1979	1980	1981	1982
			Million dollars		
Debt owed to reporting institutions (excluding CCC)	548	695	751	847	848
All operating banks	364	412	433	443	441
Production Credit Associations	139	131	131	181	175
Federal intermediate credit banks	3	1	1	14	10
Farmers Home Administration	42	151	186	209	222
Owed to individuals and others	234	230	243	238	225
Commodity Credit Corporation Crop Loans	1	3/	9	21	61
Total 4/	783	926	1,003	1,106	1,134

See footnotes at end of table.

Continued--

GOVERNMENT PAYMENTS: By program, Arizona 1978-88--continued

Program	1983	1984	1985	1986	1987	1988
			1,000 dollars			
Conservation 1/	1,520	6,256	2,124	1,385	1,574	1,782
Feed grain	638	702	1,406	2,606	5,028	3,983
Wheat	1,113	3,311	2,861	4,290	6,185	5,401
Cotton	42,188	11,655	81,953	65,948	78,973	62,806
Wool Act	1,183	1,792	1,587	2,096	2,588	1,850
Miscellaneous 3/	56,282	94,669	5,361	7,239	2,990	2,012
Total	102,924	118,385	95,292	83,564	97,338	77,834

1/ Includes amount paid under agriculture and conservation programs

2/ Included in miscellaneous programs.

3/ Programs included are: Dairy Indemnity, Payment-In-Kind, Rural Clean Water, Clean Lakes, Forest Incentive, Water Bank, Emergency Livestock Feed, Extended Storage, Milk Diversion, and Animal and Plant Health Inspection Service Indemnity.

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

REAL ESTATE FARM DEBT: Amount outstanding by lender, Arizona, December 31, 1978-88 1/--continued

Item	1983	1984	1985	1986	1987	1988
			Million dollars			
Federal land banks	162	174	169	157	144	134
Farmers Home Administration	81	78	77	72	72	67
Life Insurance companies	239	224	159	161	156	163
All operating banks	14	18	58	122	136	163
Individuals and others	258	239	217	192	165	144
Total 2/	754	732	681	705	673	672

1/ Includes operator households.

2/ 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 DEBT: Amount outstanding by lender, December 31, 1978-88 1/--continued

Item	1983	1984	1985	1986	1987	1988
			Million dollars			
Debt owed to reporting institutions (excluding CCC)	880	988	929	930	922	823
All operating banks	462	556	512	550	572	501
Production Credit Associations	191	210	202	179	164	153
Federal intermediate credit banks	7	9	8	4	3	2/
Farmers Home Administration	220	213	207	197	183	169
Owed to individuals and others	218	218	184	143	138	150
Commodity Credit Corporation Crop Loans	33	5	93	76	51	57
Total 4/	1,132	1,211	1,205	1,149	1,110	1,031

1/ Includes operator households.

2/ Combined with Production Credit Associations.

3/ Not available.

4/ 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.

STATE SUMMARY

Farm and ranch numbers in Arizona reached a peak of 8,600 in 1986, but have since declined to a current level of 8,100. Land in Arizona farms and ranches has continued to decrease and now totals 36.0 million acres. Nationally, farm numbers and land in farms continues to decline. A farm or ranch is defined as a place from which $1,000 or more of agricultural products were sold, or normally could be sold.

In Arizona, a large number of the farms and ranches are mini-farms located in the suburban areas of the state. The 1987 census of agriculture showed that 28 percent of the State's farms were places of less than 10 acres while nearly 75 percent were places of less than 500 acres.

Land in farms, along with "average size" of farm can be misleading, especially in the western states, since, by definition, it excludes all state and federal public grazing lands which are leased on a per-head basis rather than a per-acre basis.

Also, Indian lands that cannot be accounted for in the usual individual operator manner are reported as one farm or ranch by a central tribal source. In Arizona, Indian lands contribute over 20 million acres to the State's land in farms and ranches. The Navajo nation, as one farm, accounts for almost half of the Indian land.

In order to present a picture of an average cotton farm, there were approximately 1,200 cotton farms tabulated in the 1987 census of agriculture. These farms had an average of 320 acres of cotton. However, excluding those farms with less than 100 acres results in a typical irrigated cotton farm of 405 acres.

NUMBER OF FARMS AND RANCHES AND LAND IN FARMS AND RANCHES: Arizona and United States, 1978-1989

Year	Arizona			United States		
	Farms and ranches	Land in farms and ranches	Average size of farms and ranches	Farms and ranches	Land in farms and ranches	Average size of farms and ranches
	Number	1,000 acres	Acres	Number	1,000 acres	Acres
1978	6,700	39,100	5,836	2,436,250	1,044,790	429
1979	7,100	38,500	5,723	2,437,300	1,042,015	428
1980	7,500	38,100	5,080	2,439,510	1,038,885	426
1981	7,800	37,800	4,846	2,439,920	1,034,190	424
1982	8,000	37,500	4,688	2,406,550	1,027,795	427
1983	8,200	37,500	4,573	2,378,620	1,023,425	430
1984	8,300	37,500	4,518	2,333,810	1,017,803	436
1985	8,500	37,500	4,412	2,298,530	1,012,073	441
1986	8,600	37,200	4,360	2,249,820	1,005,333	447
1987	8,400	37,000	4,405	2,212,960	998,923	451
1988	8,100	36,500	4,506	2,197,140	994,543	453
1989	8,100	36,000	4,444	2,172,920	991,473	456

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	1988	Tons	1,348	1973
		Low	82	1920		2.20	1940		238	1920
All Wheat	1909	High	431	1976	Pounds	5,590	1983	Tons	970	1976
		Low	15	1954		870	1941		9	1910
Durum Wheat	1976	High	319	1976	Pounds	5,400	1989	Tons	718	1976
		Low	46	1985		4,200	1978		115	1987
Other Wheat	1964	High	260	1975	Pounds	5,880	1988	Tons	546	1975
		Low	23	1966		2,400	1966		28	1966
Barley	1909	High	268	1954	Pounds	4,990	1988	Tons	334	1954
		Low	8	1928		1,200	1922		6	1928
Corn for Grain	1919	High	50	1978	Pounds	8,680	1988	Tons	161	1978
		Low	9	1973		520	1944		6	1924
Corn for Silage	1919	High	18	1978	Tons	27.0	1989	Tons	360	1978
		Low	2	1934		5.0	1935		10	1934
Sorghum for Grain	1919	High	246	1967	Pounds	5,600	1988	Tons	558	1967
		Low	3	1989		1,180	1925		7	1925
Sorghum for Silage	1929	High	50	1957	Tons	24.0	1985	Tons	700	1957
		Low	1	1988		9.0	1936		17	1988
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	2,300	1983/84
		Low							280	1964/65
All Grapes	1909	High						Tons	31,000	1987
		Low							250	1920

1/ These are the latest years that records were achieved. In some cases these records were equaled in several earlier years.

FIELD CROPS

HIGHLIGHTS - 1989 CROP YEAR

Farmers and ranchers in Arizona will remember the 1989 season as hot and dry. Unseasonably high temperatures arrived in early April warming soils and encouraging crop growth. Cotton planting began well ahead of normal and the crops advanced quickly at the beginning of the season. American-Pima acreage was at an all time high while the upland acreage was down. The weather was also favorable for small grain development and the crops were harvested by the end of June, a week ahead of normal. The monsoons arrived on schedule but brought mostly wind and dust causing little damage to the state's crops. A few isolated storms in late July and early August did hit the Yuma area causing severe flooding and loss of cut hay.

AMERICAN-PIMA COTTON ACREAGE UP

Stalk shredding, disking and plowing was well underway early in January with concerns about meeting the final plowdown deadline. By late January, land preparation was underway in the western part of the state with land being leveled and fields pre-irrigated. Planting in the western region became very active by mid-March with the eastern and central producing regions just getting underway. Strong 1988 crop prices had generated an optimistic outlook for American-Pima cotton. In light of this, many growers proceeded to plant a record-breaking acreage of long staple cotton. April's unseasonably warm weather and favorable soil conditions encouraged planting statewide resulting in half of the acreage squaring by the third week in May. The crop was well ahead of normal in mid-June with most of the squaring completed and over half of the crop acreage setting bolls. Although the crop's progress remained ahead of normal, the rate of progress started to decrease in the beginning of July. Bolls were opening in all areas the first week of August and harvest was underway in Yuma County by the last week of the month. Harvest continued with few problems and was virtually completed by the third week of December, slightly ahead of normal.

ALL WHEAT ACREAGE UP

All wheat acreage was up in 1989, primarily due to the considerable increase in Durum wheat acreage. A good percentage of the acreage was seeded by the first of January and the crop was beginning to joint by the first week of February. Ideal weather conditions in the middle of February allowed some of the acreage to start heading out in western areas of the state. By April, well over half of the acreage was heading, with Yuma County acreage starting to turn color. Almost one-third of the acreage was turning color in mid-April and Yuma County growers began harvesting. The warm weather pushed harvest ahead of normal statewide. Harvesting was very active all during June and was completed by the end of the month.

ALFALFA HAY YIELDS DOWN

After a record yield in 1988, the 1989 alfalfa hay yield was slightly lower and harvested acreage was down as well. The year started with some light reseeding due to freeze damage caused by a winter storm. Sheeping off was heavy in all areas from the beginning of January through mid-February. Ideal curing conditions in late February and early March allowed the first cuttings to get underway. Conditions remained favorable throughout March and April. Spraying for the alfalfa weevil and aphids began the second week in May but did not affect harvest. Isolated rain storms caused some damage to the crop in July and August when the operators were into their fifth and sixth cuttings. As harvest activity tapered off in early November, a hard frost abruptly finished the crop in Greenlee County. All other areas brought the 1989 season to a close the first part of December.

CORN AND SORGHUM ACREAGE UP SLIGHTLY

The state's corn and sorghum planted acreage were each up slightly in 1989. The State's corn acreage was planted in March and April with the largest acreage intended for grain planted in Cochise County. Most of the corn planted in central Arizona was cut for silage and fed at local dairies. Much of the State's limited sorghum acreage for 1989 was planted in La Paz, Maricopa and Pinal counties, and was all planted by mid-May. The decline of feed grain production in Arizona can be attributed to the decline in the cattle feeding business and the increased shipment of out of state grain into Arizona. Sorghum county estimates were discontinued beginning with the 1988 crop season due to the small acreage involved and the risk of disclosing individual operations.

AMERICAN PIMA COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 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				
1978	0				1978	3,200	3,200	563	3,750
1979	0				1979	4,200	4,150	397	3,430
1980	0				1980	5,150	5,050	542	5,700
1981	0				1981	1,000	900	480	900
1982	0				1982	750	700	309	450
1983	0				1983	860	860	603	1,080
1984	0				1984	1,190	1,190	714	1,770
1985	0				1985	2,200	2,200	676	3,100
1986	0				1986	2,500	2,500	691	3,600
1987	0				1987	2,100	2,100	869	3,800
1988	0				1988	1,200	1,200	560	1,400
1989	0				1989	6,300	6,000	624	7,800
COCONINO					GILA				
1978	0				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	0				1989	0			
GRAHAM					GREENLEE				
1978	8,600	8,500	707	12,500	1978	0			
1979	9,950	9,900	542	11,170	1979	0			
1980	7,300	7,250	761	11,500	1980	0			
1981	6,550	6,550	685	9,350	1981	0			
1982	11,400	11,400	665	15,800	1982	0			
1983	7,900	7,900	656	10,800	1983	0			
1984	9,400	9,400	746	14,600	1984	0			
1985	11,140	11,140	741	17,200	1985	*			
1986	11,800	11,800	842	20,700	1986	0			
1987	12,800	12,700	801	21,200	1987	0			
1988	14,300	14,300	873	26,000	1988	0			
1989	20,000	20,000	902	37,600	1989	*			

See footnotes at end of table.

Continued--

AMERICAN PIMA COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 1/-continued

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
LA PAZ 2/					MARICOPA				
					1978	5,400	5,400	861	9,700
					1979	9,650	9,600	995	19,890
					1980	11,500	11,500	902	21,600
					1981	11,650	11,600	852	20,600
					1982	10,100	10,050	860	18,000
1983	3,840	3,830	952	7,600	1983	6,850	6,850	876	12,500
1984	7,650	7,650	759	12,100	1984	13,900	13,800	810	23,300
1985	3,600	3,600	820	6,150	1985	13,100	13,050	1,030	28,000
1986	3,400	3,400	932	6,600	1986	17,800	17,700	941	34,700
1987	4,800	4,800	940	9,400	1987	22,300	22,300	1,248	58,000
1988	6,400	6,400	975	13,000	1988	33,400	33,400	862	60,000
1989	17,700	17,700	814	30,000	1989	63,300	63,200	919	121,000
MOHAVE					NAVAJO				
1978	0				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	700	700	891	1,300	1989	0			
PIMA					PINAL				
1978	2,500	2,500	595	3,100	1978	7,300	7,300	776	11,800
1979	3,150	3,150	568	3,730	1979	9,650	9,600	800	15,990
1980	2,350	2,350	715	3,500	1980	9,350	9,300	929	18,000
1981	2,150	2,150	424	1,900	1981	6,150	6,150	874	11,200
1982	2,800	2,700	578	3,250	1982	9,300	9,300	852	16,500
1983	1,540	1,450	543	1,640	1983	8,400	8,300	758	13,100
1984	1,230	1,180	683	1,680	1984	17,000	16,950	976	34,450
1985	1,370	1,370	701	2,000	1985	24,900	24,750	1,007	51,900
1986	3,200	3,200	840	5,600	1986	33,200	33,100	1,066	73,500
1987	3,400	3,400	847	6,000	1987	42,100	42,100	1,214	106,500
1988	5,300	5,300	734	8,100	1988	60,800	60,800	941	119,200
1989	8,500	8,400	629	11,000	1989	114,000	114,000	1,012	240,300

See footnotes at end of table.

Continued--

AMERICAN PIMA COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 1/-continued

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
SANTA CRUZ					YAVAPAI				
1978	0				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	*				1989	0			
YUMA 2/									
1978	7,300	7,300	845	12,850					
1979	6,900	6,900	890	12,790					
1980	6,650	6,650	866	12,000					
1981	6,300	6,250	749	9,750					
1982	7,450	7,450	767	11,900					
1983	110	110	785	180					
1984	130	130	738	200					
1985	*								
1986	2,100	2,100	823	3,600					
1987	3,500	3,400	1,144	8,100					
1988	6,600	6,600	967	13,300					
1989	14,100	14,100	940	27,600					

* 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.

2/ La Paz County created from Yuma County in 1983.

AMERICAN PIMA COTTON: Acreage, yield, production, and value, Arizona, 1978-89 1/

Year	Planted	Harvested	Yield per harvested acre	Lint Production	Lint Marketing year average price 2/	Lint Value of production
	Acres		Lbs.	Bales	Cents per lb.	1,000 dol.
1978	34,300	34,200	754	53,700	91.0	23,456
1979	43,500	43,300	743	67,000	101.0	32,482
1980	42,300	42,100	824	72,300	108.0	37,480
1981	33,800	33,600	767	53,700	94.0	24,229
1982	41,800	41,600	760	65,900	100.0	31,632
1983	29,500	29,300	768	46,900	102.0	22,962
1984	50,500	50,300	841	88,100	92.5	39,116
1985	56,500	56,300	927	108,700	88.2	46,019
1986	74,000	73,800	965	148,300	89.2	63,496
1987	91,000	90,800	1,126	213,000	104.0	106,330
1988	128,000	128,000	904	241,000	118.0	136,502
1989	245,000	244,500	936	477,000	95.2	217,970

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: Acreage, yield, and production, Arizona, by counties, 1978-89 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				
1978	0				1978	33,500	33,000	542	37,250
1979	0				1979	32,100	30,100	435	27,300
1980	0				1980	27,300	26,800	627	35,000
1981	0				1981	35,700	35,200	682	50,000
1982	0				1982	28,600	28,100	530	31,000
1983	0				1983	16,900	16,400	720	24,600
1984	0				1984	16,700	16,600	671	23,200
1985	0				1985	15,000	15,000	784	24,500
1986	0				1986	11,100	11,000	877	20,100
1987	0				1987	12,900	12,800	821	21,900
1988	0				1988	17,500	17,400	745	27,000
1989	0				1989	14,100	13,900	701	20,300
COCONINO					GILA				
1978	0				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	0				1989	0			
GRAHAM					GREENLEE				
1978	11,000	11,000	720	16,500	1978	1,200	1,200	640	1,600
1979	14,200	14,000	720	21,000	1979	1,300	1,300	480	1,300
1980	11,800	11,700	1,050	25,600	1980	750	750	704	1,100
1981	16,600	16,500	954	32,800	1981	900	900	907	1,700
1982	12,100	12,000	856	21,400	1982	1,100	1,100	698	1,600
1983	8,800	7,850	783	12,800	1983	660	660	989	1,360
1984	12,000	12,000	828	20,700	1984	1,020	1,020	871	1,850
1985	10,600	10,600	860	19,000	1985	800	800	870	1,450
1986	8,800	8,800	1,036	19,000	1986	800	800	960	1,600
1987	9,000	8,900	1,014	18,800	1987	900	900	907	1,700
1988	10,000	9,900	1,149	23,700	1988	1,100	1,100	873	2,000
1989	4,900	4,800	1,060	10,600	1989	900	900	800	1,500

See footnotes at end of table.

Continued--

UPLAND COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 1/-continued

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
LA PAZ 2/					MARICOPA				
					1978	226,000	225,000	1,083	507,800
					1979	242,000	241,000	1,170	587,200
					1980	228,000	227,800	1,275	605,200
					1981	239,600	239,400	1,390	693,500
					1982	186,200	186,000	1,214	470,600
1983	20,900	20,800	1,191	51,600	1983	115,200	114,300	1,340	319,000
1984	34,300	34,300	1,122	80,200	1984	186,000	185,300	1,300	502,000
1985	28,500	28,500	1,196	71,000	1985	152,000	151,400	1,297	409,100
1986	16,800	16,800	1,366	47,800	1986	102,600	102,400	1,331	284,000
1987	23,600	23,600	1,379	67,800	1987	119,800	119,600	1,468	365,800
1988	30,300	30,200	1,256	79,000	1988	148,400	148,200	1,181	364,500
1989	15,000	14,900	1,392	43,200	1989	109,000	108,800	1,337	303,000
MOHAVE					NAVAJO				
1978	3,900	3,900	622	5,050	1978	0			
1979	6,000	5,800	737	8,900	1979	0			
1980	5,950	5,950	904	11,200	1980	0			
1981	6,500	6,500	849	11,500	1981	0			
1982	5,500	5,500	969	11,100	1982	0			
1983	3,540	3,540	968	7,140	1983	0			
1984	5,680	5,680	883	10,450	1984	0			
1985	3,600	3,600	1,000	7,500	1985	0			
1986	4,100	4,100	1,124	9,600	1986	0			
1987	4,500	4,500	1,301	12,200	1987	0			
1988	5,200	5,200	1,071	11,600	1988	0			
1989	4,700	4,600	1,242	11,900	1989	0			
PIMA					PINAL				
1978	17,000	17,000	700	24,800	1978	153,500	153,000	854	272,300
1979	21,400	21,000	798	34,900	1979	159,500	158,800	1,056	349,500
1980	17,900	17,900	847	31,600	1980	150,200	150,100	1,186	370,900
1981	19,800	19,800	812	33,500	1981	153,700	153,600	1,372	439,000
1982	15,700	15,700	911	29,800	1982	134,300	134,200	1,112	311,000
1983	10,100	8,250	931	16,000	1983	79,000	76,400	1,246	198,400
1984	15,500	15,300	1,089	34,700	1984	120,200	120,200	1,306	327,000
1985	13,000	13,000	947	25,650	1985	107,000	106,700	1,310	291,200
1986	7,800	7,600	1,137	18,000	1986	78,600	78,400	1,356	221,500
1987	8,600	8,500	1,203	21,300	1987	83,500	83,200	1,477	256,000
1988	9,600	9,400	1,123	22,000	1988	98,300	98,200	1,262	258,200
1989	6,200	6,100	1,086	13,800	1989	70,000	69,900	1,387	202,000

See footnotes at end of table.

Continued--

UPLAND COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 1/-continued

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
SANTA CRUZ					YAVAPAI				
1978	0				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	3/				1988	0			
1989	0				1989	0			
YUMA 2/									
1978	93,900	93,900	1,036	202,700					
1979	103,500	103,000	1,165	249,900					
1980	108,100	108,000	1,215	273,400					
1981	127,200	127,100	1,110	294,000					
1982	87,500	87,400	1,200	218,500					
1983	35,900	35,800	1,262	94,100					
1984	38,600	38,600	1,205	96,900					
1985	29,500	29,400	1,283	78,600					
1986	19,400	19,100	1,342	53,400					
1987	27,200	27,000	1,484	83,500					
1988	29,600	29,400	1,257	77,000					
1989	15,200	15,100	1,357	42,700					

1/ Production estimates are for 480 pound net weight bales.
2/ La Paz County created from Yuma County in 1983.
3/ Santa Cruz County acres and production included with Pima County to avoid disclosure of individual operations.

UPLAND COTTON: Acreage, yield, production, and value, Arizona, 1978-89 1/

Year	Planted	Harvested	Yield per harvested acre	Lint Production	Lint Marketing year average price 2/	Lint Value of production
	Acres		Lbs.	Bales	Cents per lb.	1,000 dol.
1978	540,000	538,000	953	1,068,000	57.4	294,255
1979	580,000	575,000	1,069	1,280,000	68.5	420,864
1980	550,000	549,000	1,184	1,354,000	75.1	488,090
1981	600,000	599,000	1,247	1,556,000	57.0	425,722
1982	471,000	470,000	1,118	1,095,000	60.6	318,514
1983	291,000	284,000	1,225	725,000	68.3	237,684
1984	430,000	429,000	1,227	1,097,000	60.1	316,463
1985	360,000	359,000	1,241	928,000	58.2	259,246
1986	250,000	249,000	1,301	675,000	54.3	175,932
1987	290,000	289,000	1,410	849,000	65.7	267,741
1988	350,000	349,000	1,190	865,000	57.2	237,494
1989	240,000	239,000	1,303	649,000	66.2	206,226

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.

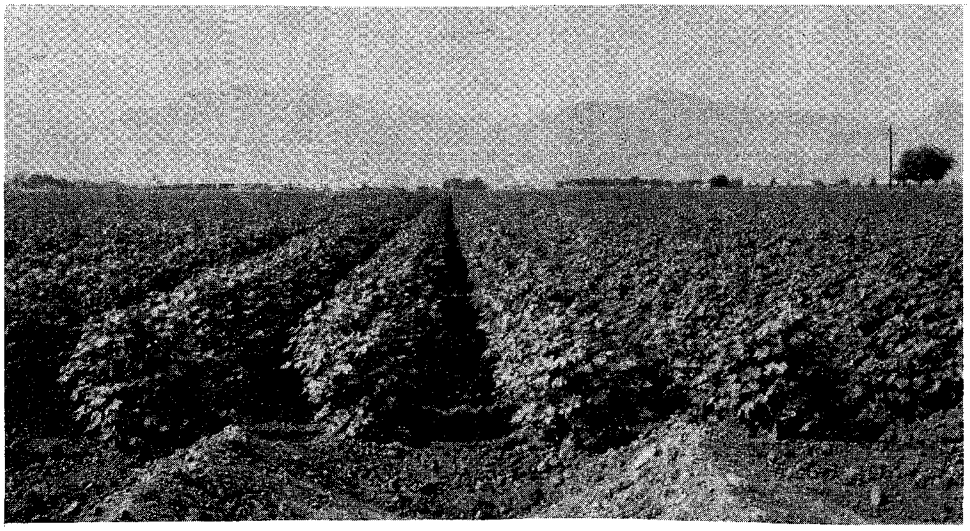
UPLAND COTTON: Farm marketings, Arizona, 1977/78-1988/89

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
						Percent						
1977/78 1/												
1978/79	1.0	5.0	18.0	25.0	18.0	10.0	12.0	3.0	2.0	1.0	2.0	3.0
1979/80	.0	1.0	13.0	23.0	22.0	19.0	5.0	2.0	2.0	2.0	3.0	2.0
1980/81	.0	1.0	13.0	18.0	10.0	14.0	11.0	3.0	5.0	5.0	4.0	5.0
1981/82	2.0	1.0	9.0	17.0	18.0	20.0	12.0	8.0	9.0	1.0	2.0	1.0
1982/83	.8	3.8	9.6	20.0	15.9	16.3	16.3	4.6	2.5	1.9	3.5	4.8
1983/84	3.3	1.2	26.8	25.2	14.2	7.3	6.1	4.3	6.8	2.1	2.1	.6
1984/85	0	2.7	19.4	30.6	19.8	14.7	5.1	2.6	1.7	1.0	1.4	1.0
1985/86	.7	2.3	8.0	12.8	13.1	19.7	3.6	1.9	2.5	2.5	19.7	13.2
1986/87	1.0	5.9	2.2	24.5	31.4	13.0	4.0	3.1	5.5	4.2	3.6	1.6
1987/88	1.3	6.4	15.8	24.5	22.9	11.9	6.5	1.6	3.4	.2	5.2	.3
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

1/ Not available.

UPLAND COTTON: Monthly and marketing year average prices received by growers, Arizona, 1977/78-1989/90

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Marketing year average
							Cents per pound						
1977/78	52.0	64.0	63.4	60.2	56.6	53.1	53.3	56.9	45.9	59.3	57.0	55.0	56.1
1978/79	55.9	56.7	61.0	59.8	59.0	59.2	57.0	47.4	51.5	59.0	60.7	60.2	57.4
1979/80	53.8	64.5	63.9	64.2	68.7	68.8	73.1	70.2	63.6	75.0	77.0	79.0	68.5
1980/81	81.0	91.9	73.2	74.9	80.4	79.0	78.5	76.2	69.2	71.8	70.8	70.2	75.1
1981/82	62.9	59.4	63.9	64.3	56.6	53.2	49.9	53.6	56.1	60.3	59.9	63.8	57.0
1982/83	58.3	56.0	61.0	61.7	59.5	59.3	58.0	53.0	59.5	65.4	72.1	72.8	60.6
1983/84	78.6	67.1	62.1	69.3	72.1	66.4	65.6	69.3	67.4	68.0	64.6	58.6	68.3
1984/85	--	56.2	62.6	62.8	60.0	57.6	47.9	50.8	60.4	62.0	59.7	63.8	60.1
1985/86	55.1	58.9	60.1	58.0	57.7	54.3	51.4	57.7	57.9	61.5	59.4	62.9	58.2
1986/87	64.7	55.6	52.4	50.2	55.7	54.6	53.0	49.0	49.8	54.7	68.6	71.0	54.3
1987/88	78.0	67.9	65.1	65.8	66.6	64.4	63.0	59.4	65.2	66.0	67.0	57.6	65.7
1988/89	56.6	58.1	54.1	56.3	54.7	53.9	57.9	56.4	67.3	61.7	60.3	68.0	57.2
1989/90	74.8	64.2	67.1	67.9	64.2	60.3	64.0	65.1	67.9				66.2



ALL COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 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				
1978	0				1978	36,700	36,200	544	41,000
1979	0				1979	36,300	34,250	431	30,730
1980	0				1980	32,450	31,850	613	40,700
1981	0				1981	36,700	36,100	677	50,900
1982	0				1982	29,350	28,800	524	31,450
1983	0				1983	17,760	17,260	714	25,680
1984	0				1984	17,890	17,790	674	24,970
1985	0				1985	17,200	17,200	770	27,600
1986	0				1986	13,600	13,500	843	23,700
1987	0				1987	15,000	14,900	828	25,700
1988	0				1988	18,700	18,600	733	28,400
1989	0				1989	20,400	19,900	678	28,100
COCONINO					GILA				
1978	0				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	0				1989	0			
GRAHAM					GREENLEE				
1978	19,600	19,500	714	29,000	1978	1,200	1,200	640	1,600
1979	24,150	23,900	646	32,170	1979	1,300	1,300	480	1,300
1980	19,100	18,950	940	37,100	1980	750	750	704	1,100
1981	23,150	23,050	878	42,150	1981	900	900	907	1,700
1982	23,500	23,400	763	37,200	1982	1,100	1,100	698	1,600
1983	16,700	15,750	719	23,600	1983	660	660	989	1,360
1984	21,400	21,400	792	35,300	1984	1,020	1,020	871	1,850
1985	21,740	21,740	799	36,200	1985	840	840	857	1,500
1986	20,600	20,600	925	39,700	1986	800	800	960	1,600
1987	21,800	21,600	889	40,000	1987	900	900	907	1,700
1988	24,300	24,200	986	49,700	1988	1,100	1,100	873	2,000
1989	24,900	24,800	933	48,200	1989	*			

See footnotes at end of table.

Continued—

ALL COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 1/-continued

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
LA PAZ 2/					MARICOPA				
					1978	231,400	230,400	1,078	517,500
					1979	251,650	250,600	1,163	607,090
					1980	239,500	239,300	1,257	626,800
					1981	251,250	251,000	1,366	714,100
					1982	196,300	196,050	1,200	488,600
1983	24,740	24,630	1,154	59,200	1983	122,050	121,150	1,313	331,500
1984	41,950	41,950	1,056	92,300	1984	199,900	199,100	1,266	525,300
1985	32,100	32,100	1,154	77,150	1985	165,100	164,450	1,276	437,100
1986	20,200	20,200	1,293	54,400	1986	120,400	120,100	1,274	318,700
1987	28,400	28,400	1,305	77,200	1987	142,100	141,900	1,434	423,800
1988	36,700	36,600	1,207	92,000	1988	181,800	181,600	1,122	424,500
1989	32,700	32,600	1,078	73,200	1989	172,300	172,000	1,183	424,000
MOHAVE					NAVAJO				
1978	3,900	3,900	622	5,050	1978	0			
1979	6,000	5,800	737	8,900	1979	0			
1980	5,950	5,950	904	11,200	1980	0			
1981	6,500	6,500	849	11,500	1981	0			
1982	5,500	5,500	969	11,100	1982	0			
1983	3,540	3,540	968	7,140	1983	0			
1984	5,680	5,680	883	10,450	1984	0			
1985	3,600	3,600	1,000	7,500	1985	0			
1986	4,100	4,100	1,124	9,600	1986	0			
1987	4,500	4,500	1,301	12,200	1987	0			
1988	5,200	5,200	1,071	11,600	1988	0			
1989	5,400	5,300	1,195	13,200	1989	0			
PIMA					PINAL				
1978	19,500	19,500	687	27,900	1978	160,800	160,300	851	284,100
1979	24,550	24,150	768	38,630	1979	169,150	168,400	1,042	365,490
1980	20,250	20,250	832	35,100	1980	159,550	159,400	1,171	388,900
1981	21,950	21,950	774	35,400	1981	159,850	159,750	1,353	450,200
1982	18,500	18,400	862	33,050	1982	143,600	143,500	1,095	327,500
1983	11,640	9,700	873	17,640	1983	87,400	84,700	1,199	211,500
1984	16,730	16,480	1,060	36,380	1984	137,200	137,150	1,265	361,450
1985	14,370	14,370	924	27,650	1985	131,900	131,450	1,253	343,100
1986	11,000	10,800	1,049	23,600	1986	111,800	111,500	1,270	295,000
1987	12,000	11,900	1,101	27,300	1987	125,600	125,300	1,389	362,500
1988	3/ 14,900	14,700	983	30,100	1988	159,100	159,000	1,139	377,400
1989	14,700	14,500	821	24,800	1989	184,000	183,900	1,154	442,300

See footnotes at end of table.

Continued--

ALL COTTON: Acreage, yield, and production, Arizona, by counties, 1978-89 1/-continued

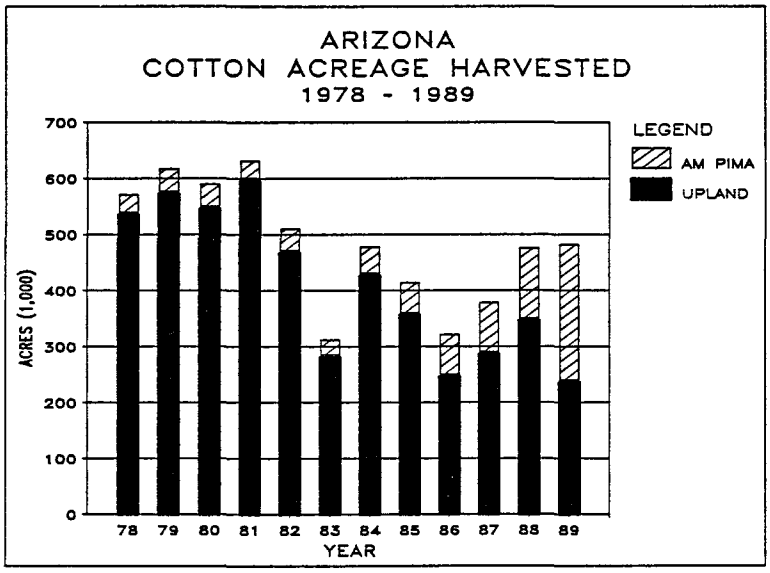
County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
SANTA CRUZ					YAVAPAI				
1978	0				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	3/				1988	0			
1989	*				1989	0			
YUMA 2/									
1978	101,200	101,200	1,022	215,550					
1979	110,400	109,900	1,147	262,690					
1980	114,750	114,650	1,195	285,400					
1981	133,500	133,350	1,093	303,750					
1982	94,950	94,850	1,166	230,400					
1983	36,010	35,910	1,260	94,280					
1984	38,730	38,730	1,203	97,100					
1985	29,650	29,550	1,282	78,900					
1986	21,500	21,200	1,291	57,000					
1987	30,700	30,400	1,446	91,600					
1988	36,200	36,000	1,204	90,300					
1989	29,300	29,200	1,156	70,300					

* 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.

2/ La Paz County created from Yuma County in 1983.

3/ Santa Cruz County acres and production included with Pima County to avoid disclosure of individual operations.



ALL COTTON: Acreage, yield, production, and value, Arizona, 1978-89 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Value of production
	Acres		Lbs.	Bales	1,000 dol.
1978	574,300	572,200	941	1,121,700	317,711
1979	623,500	618,300	1,045	1,347,000	453,346
1980	592,300	591,100	1,158	1,426,300	525,570
1981	633,800	632,600	1,221	1,609,700	449,951
1982	512,800	511,600	1,089	1,160,900	350,146
1983	320,500	313,300	1,183	771,900	260,646
1984	480,500	479,300	1,187	1,185,100	355,579
1985	416,500	415,300	1,198	1,036,700	305,265
1986	324,000	322,800	1,224	823,300	239,428
1987	381,000	379,800	1,342	1,062,000	374,071
1988	478,000	477,000	1,113	1,106,000	373,996
1989	485,000	483,500	1,118	1,126,000	424,196

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

COTTONSEED: Production, disposition, price, and value, Arizona, 1978-89

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	
1978	450.0	366.0	84.0	6.2	102.00	45,900	37,332
1979	530.0	326.0	204.0	6.3	110.00	58,300	35,860
1980	583.0	449.0	134.0	5.1	122.00	71,126	54,329
1981	631.0	490.0	141.0	4.3	83.00	52,373	40,670
1982	495.0	262.0	233.0	2.9	80.00	39,600	20,960
1983	302.4	201.3	101.1	4.8	171.00	51,710	34,422
1984	464.5	311.1	153.4	4.2	101.00	46,915	31,421
1985	389.0	268.0	121.0	2.9	79.00	30,731	21,172
1986	309.0	253.0	56.0	2.6	95.00	29,355	24,035
1987	390.0	257.0	133.0	4.3	95.50	37,245	24,544
1988	433.0	259.0	174.0	4.4	129.00	55,857	33,411
1989	423.0	246.0	177.0	4.4	111.00	46,953	27,306

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.

DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1978	*			
1979	0			
1980	0			
1981	0			
1982	0			
1983	0			
1984	0			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
COCONINO				
1978	*			
1979	0			
1980	0			
1981	0			
1982	0			
1983	0			
1984	0			
1985	*			
1986	*			
1987	*			
1988	0			
1989	0			
GRAHAM				
1978	1,000	1,000	3,840	1,920
1979	1,000	1,000	3,960	1,980
1980	1,500	1,400	4,320	3,020
1981	1,500	1,400	5,230	3,660
1982	500	400	6,470	1,290
1983	400	400	6,540	1,310
1984	500	500	5,700	1,420
1985	*			
1986	1,100	1,100	6,420	3,530
1987	800	800	5,100	2,040
1988	*			
1989	500	400	4,200	840

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
1978	2,000	2,000	3,960	3,960
1979	2,000	2,000	4,200	4,200
1980	1,500	1,400	4,500	3,150
1981	1,000	1,000	5,520	2,760
1982	0			
1983	0			
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
GILA				
1978	*			
1979	0			
1980	0			
1981	300	300	3,960	590
1982	*			
1983	*			
1984	*			
1985	0			
1986	0			
1987	0			
1988	*			
1989	*			
GREENLEE				
1978	500	500	3,540	880
1979	0			
1980	0			
1981	200	200	5,160	520
1982	200	200	6,000	600
1983	200	200	6,000	600
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			

See footnotes at end of table.

Continued--

DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
LA PAZ 2/				
1983	2,000	1,900	5,700	5,410
1984	2,800	2,800	5,820	8,150
1985	5,500	5,500	5,260	14,460
1986	4,000	4,000	5,100	10,200
1987	4,500	4,500	4,730	10,650
1988	3,400	3,300	5,360	8,850
1989	6,000	6,000	5,730	17,190
MOHAVE				
1978	*			
1979	1,000	1,000	3,000	1,500
1980	1,000	1,000	3,600	1,800
1981	5,000	5,000	4,800	12,000
1982	3,500	3,500	5,180	9,070
1983	3,000	3,000	5,280	7,920
1984	*			
1985	*			
1986	0			
1987	0			
1988	*			
1989	*			
PIMA				
1978	2,500	2,500	4,500	5,630
1979	2,000	1,800	4,320	3,890
1980	3,500	3,400	4,260	7,240
1981	5,000	5,000	4,850	12,120
1982	4,700	4,700	5,040	11,840
1983	4,000	3,800	5,130	9,750
1984	5,000	4,900	4,560	11,170
1985	1,000	900	5,090	2,290
1986	1,500	1,200	5,100	3,060
1987	*			
1988	*			
1989	*			

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
MARICOPA				
1978	34,000	32,000	4,260	68,160
1979	24,000	22,700	4,440	50,390
1980	87,500	84,500	4,880	206,450
1981	117,000	116,600	5,380	313,380
1982	28,600	28,300	5,690	80,530
1983	24,100	18,200	5,790	52,690
1984	31,300	30,800	6,060	93,320
1985	15,200	15,100	5,500	41,080
1986	16,000	15,800	5,570	44,050
1987	12,000	11,800	5,550	32,730
1988	16,500	16,200	5,580	45,210
1989	28,000	27,500	5,820	80,030
NAVAJO				
1978	0			
1979	0			
1980	0			
1981	0			
1982	0			
1983	0			
1984	0			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
PINAL				
1978	40,000	39,000	4,140	80,730
1979	31,000	28,500	4,320	61,610
1980	50,000	48,500	4,600	111,570
1981	71,000	70,700	4,670	165,000
1982	35,300	34,800	5,040	87,700
1983	26,100	22,400	5,040	56,450
1984	30,500	29,300	4,710	69,030
1985	18,500	18,300	4,490	41,070
1986	16,400	15,900	4,740	37,670
1987	15,300	14,800	4,630	34,260
1988	14,100	14,000	4,280	30,000
1989	22,000	21,800	4,440	48,400

See footnotes at end of table.

Continued--

DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
SANTA CRUZ					YAVAPAI				
1978	*				1978	0			
1979	0				1979	0			
1980	0				1980	0			
1981	0				1981	0			
1982	*				1982	0			
1983	*				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
1987	0				1987	0			
1988	0				1988	0			
1989	*				1989	*			
YUMA 2/									
1978	15,000	14,000	4,260	29,820					
1979	14,000	13,000	5,220	33,930					
1980	15,000	14,800	5,240	38,770					
1981	15,000	14,800	5,170	38,220					
1982	7,000	6,900	5,620	19,400					
1983	5,000	4,900	5,660	13,860					
1984	7,600	7,400	5,940	21,980					
1985	5,800	5,700	5,350	15,240					
1986	8,900	8,900	5,530	24,610					
1987	10,800	10,800	5,560	30,000					
1988	13,200	13,100	5,720	37,500					
1989	24,000	23,900	5,880	70,270					

* 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.

2/ La Paz County created from Yuma County in 1983.

DURUM WHEAT: Acreage, yield, production, price, and value, Arizona, 1978-89

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.
1978	95,000	91,000	4,200	191,100	94.70	18,091
1979	75,000	70,000	4,500	157,500	128.00	20,160
1980	160,000	155,000	4,800	372,000	139.00	51,708
1981	216,000	215,000	5,100	548,250	158.70	86,989
1982	80,000	79,000	5,340	210,930	118.00	24,890
1983	65,000	55,000	5,400	148,500	135.70	20,147
1984	82,000	80,000	5,400	216,000	140.70	30,384
1985	47,000	46,000	5,040	115,920	117.00	13,563
1986	49,000	48,000	5,220	125,280	122.70	15,368
1987	46,000	45,000	5,100	114,750	107.30	12,317
1988	51,000	50,000	5,160	129,000	131.70	16,985
1989	85,000	84,000	5,400	226,800	138.30	31,374

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

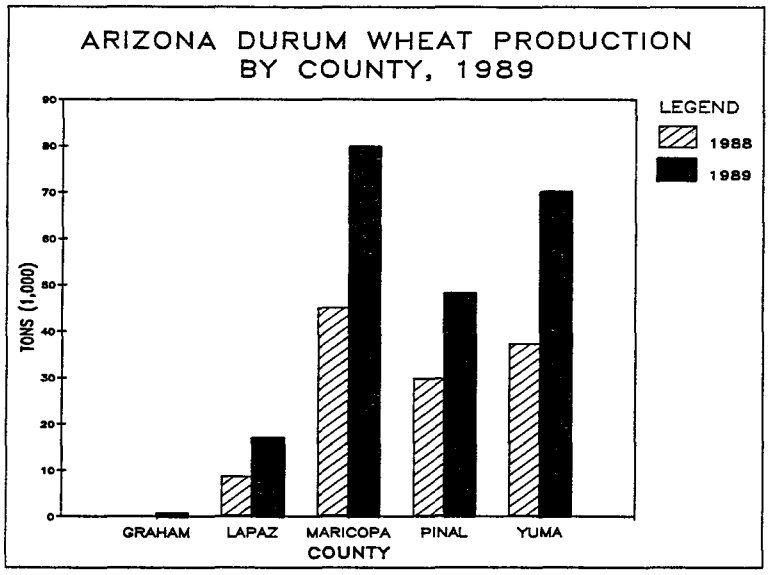
2/ Converted from 60 pound bushels and rounded.

DURUM WHEAT: Farm marketings, Arizona, 1977/78-1988/89

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
1977/78	13	7	19	4	1	1	2	6	3	1	30	13
1978/79	35	10	31	6	8	1	2	1	1	1	3	1
1979/80	3	62	10	7	6	6	1	1	1	1	1	1
1980/81	14	60	8	7	4	1	1	1	1	1	1	1
1981/82	20	65	5	1	1	1	1	1	1	2	1	1
1982/83	13	60	12	2	1	2	1	2	2	3	1	1
1983/84	20	35	25	5	5	3	1	2	1	1	1	1
1984/85	25	45	10	1	1	4	5	1	3	1	1	3
1985/86	25	50	10	1	1	1	1	1	1	1	5	3
1986/87	52	37	2	1	1	1	1	1	1	1	1	1
1987/88	83	2	1	1	1	3	1	1	3	2	1	1
1988/89	59	12	13	8	1	1	1	1	1	1	1	1

DURUM WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1977/78-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
1977/78	87.70	86.70	89.30	65.00	--	--	--	82.00	--	--	100.00	100.00	91.30
1978/79	85.00	96.00	100.00	101.70	104.00	--	108.00	104.00	104.00	--	99.30	111.00	94.70
1979/80	109.00	127.00	136.00	146.00	130.00	143.70	--	--	--	131.30	--	137.00	128.00
1980/81	133.00	139.70	131.00	137.00	164.30	--	--	--	180.00	180.00	170.00	148.00	139.00
1981/82	167.00	159.70	155.00	139.00	136.70	123.00	120.00	120.70	127.70	129.70	135.30	115.30	158.70
1982/83	116.30	118.00	108.70	117.30	--	133.00	118.00	131.30	119.70	120.00	--	121.30	118.00
1983/84	139.70	131.00	135.00	138.30	133.00	140.00	135.00	135.00	130.00	130.30	--	153.70	135.70
1984/85	152.30	136.00	135.30	--	--	147.70	144.30	129.70	145.00	--	120.00	126.00	140.70
1985/86	115.00	117.30	118.00	110.00	--	--	--	--	125.70	141.30	125.00	130.00	117.00
1986/87	120.30	121.30	122.70	99.70	110.00	120.00	--	--	--	120.00	--	--	122.70
1987/88	103.00	104.30	100.00	--	--	131.00	--	127.00	128.30	134.70	--	--	107.30
1988/89	120.00	142.70	159.30	144.30	--	--	--	--	--	--	--	--	131.70
1989/90	134.70	140.00	135.70	130.30	--	--	--	114.00	120.00	--	--	120.00	138.30



OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1978	*			
1979	200	0		
1980	300	0		
1981	200	0		
1982	200	200	2,130	210
1983	200	200	2,550	260
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
COCONINO				
1978	*			
1979	800	0		
1980	1,700	1,500	3,720	2,790
1981	1,000	800	3,900	1,560
1982	500	400	3,000	600
1983	500	400	3,900	780
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
GRAHAM				
1978	1,100	1,000	3,900	1,950
1979	1,500	1,400	3,960	2,770
1980	5,000	4,600	4,500	10,350
1981	3,000	2,800	5,400	7,560
1982	3,800	3,700	5,600	10,360
1983	4,800	4,500	5,850	13,160
1984	4,400	4,300	5,640	12,130
1985	*			
1986	1,000	900	5,970	2,690
1987	600	500	3,360	840
1988	*			
1989	500	400	3,840	770

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
1978	1,900	1,800	3,720	3,350
1979	2,500	2,000	3,780	3,780
1980	2,000	1,800	4,710	4,240
1981	1,800	1,800	4,920	4,430
1982	1,500	1,500	4,650	3,490
1983	1,500	1,400	5,520	3,860
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
GILA				
1978	*			
1979	0			
1980	0			
1981	0			
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
1987	0			
1988	0			
1989	0			
GREENLEE				
1978	500	500	3,660	920
1979	500	300	3,000	450
1980	1,000	1,000	4,320	2,160
1981	800	800	4,860	1,940
1982	700	700	4,760	1,670
1983	800	800	5,160	2,060
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			

See footnotes at end of table

Continued--

OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
LA PAZ 2/					MARICOPA				
					1978	9,000	8,900	4,260	18,960
					1979	11,000	10,800	4,440	23,980
					1980	9,000	8,000	4,860	19,440
					1981	5,000	4,700	5,700	13,400
					1982	19,100	18,600	5,320	49,420
1983	8,500	7,900	6,090	24,060	1983	23,400	20,700	5,850	60,550
1984	7,600	7,600	5,730	21,770	1984	18,900	18,500	5,220	48,290
1985	7,200	7,100	5,100	18,110	1985	13,000	12,800	5,230	33,470
1986	8,000	8,000	4,960	19,820	1986	12,300	12,200	6,070	37,020
1987	5,100	5,100	5,680	14,490	1987	18,900	18,700	6,370	59,540
1988	8,900	8,800	5,730	25,220	1988	12,800	12,700	6,590	41,850
1989	8,000	7,900	5,380	21,240	1989	10,500	10,400	6,180	32,140
MOHAVE					NAVAJO				
1978	2,000	2,000	2,820	2,820	1978	600	500	3,000	750
1979	4,000	3,500	3,600	6,300	1979	700	500	3,000	750
1980	4,000	3,700	3,900	7,210	1980	1,000	800	3,120	1,250
1981	500	500	4,200	1,050	1981	900	700	2,280	800
1982	0				1982	1,000	1,000	2,130	1,070
1983	0				1983	1,100	1,000	2,760	1,380
1984	*				1984	900	900	2,580	1,160
1985	*				1985	*			
1986	*				1986	*			
1987	*				1987	*			
1988	*				1988	*			
1989	*				1989	*			
PIMA					PINAL				
1978	900	900	3,180	1,430	1978	9,000	7,700	4,320	16,630
1979	1,000	800	4,200	1,680	1979	12,000	11,700	4,640	27,130
1980	500	300	4,320	650	1980	16,000	15,000	4,560	34,200
1981	700	600	4,560	1,370	1981	8,000	7,500	5,220	19,570
1982	900	800	4,190	1,670	1982	4,500	4,500	4,520	10,160
1983	1,000	900	5,280	2,370	1983	4,800	4,200	5,250	11,020
1984	900	900	5,160	2,320	1984	4,300	4,100	5,250	10,770
1985	700	700	3,600	1,260	1985	4,000	3,900	4,670	9,120
1986	500	500	3,590	900	1986	2,200	2,100	4,840	5,080
1987	*				1987	1,300	1,200	4,750	2,850
1988	*				1988	1,500	1,400	5,320	3,720
1989	*				1989	1,000	1,000	5,400	2,700

See footnotes at end of table.

Continued--

OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
SANTA CRUZ				
1978	*			
1979	1,000	0		
1980	500	400	3,900	780
1981	300	300	4,080	610
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
1987	*			
1988	*			
1989	0			
YUMA 2/				
1978	24,000	23,000	4,400	51,060
1979	23,800	23,300	5,220	60,810
1980	23,000	22,000	5,440	59,850
1981	22,000	21,900	4,940	54,060
1982	31,500	31,400	5,170	81,140
1983	22,000	20,700	6,080	62,990
1984	22,000	21,800	5,790	63,120
1985	35,000	34,800	5,840	101,600
1986	22,300	22,100	5,970	65,970
1987	16,000	15,900	5,540	44,010
1988	9,000	8,900	5,830	25,950
1989	12,000	11,800	5,700	33,630

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
YAVAPAI				
1978	600	600	2,280	680
1979	1,000	700	3,000	1,050
1980	1,000	900	2,400	1,080
1981	800	600	2,400	720
1982	1,100	1,000	2,350	1,180
1983	1,200	1,100	2,700	1,490
1984	1,000	900	2,700	1,210
1985	600	500	3,000	750
1986	900	600	3,000	900
1987	800	500	1,990	500
1988	600	400	2,180	430
1989	*			

* 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.

2/ La Paz County created from Yuma County in 1983.

OTHER WHEAT: Acreage, yield, production, price, and value, Arizona, 1978-89

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.
1978	50,000	47,000	4,200	98,700	104.00	10,265
1979	60,000	55,000	4,680	128,700	115.00	14,801
1980	65,000	60,000	4,800	144,000	126.00	18,144
1981	45,000	43,000	4,980	107,070	128.70	13,776
1982	65,000	64,000	5,040	161,280	122.70	19,784
1983	70,000	64,000	5,760	184,320	132.00	24,330
1984	63,000	62,000	5,400	167,400	130.00	21,762
1985	67,000	66,000	5,400	178,200	117.30	20,909
1986	49,000	48,000	5,640	135,360	103.30	13,987
1987	45,000	44,000	5,700	125,400	96.30	12,080
1988	36,000	35,000	5,880	102,900	131.00	13,480
1989	35,000	34,000	5,580	94,860	140.00	13,280

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

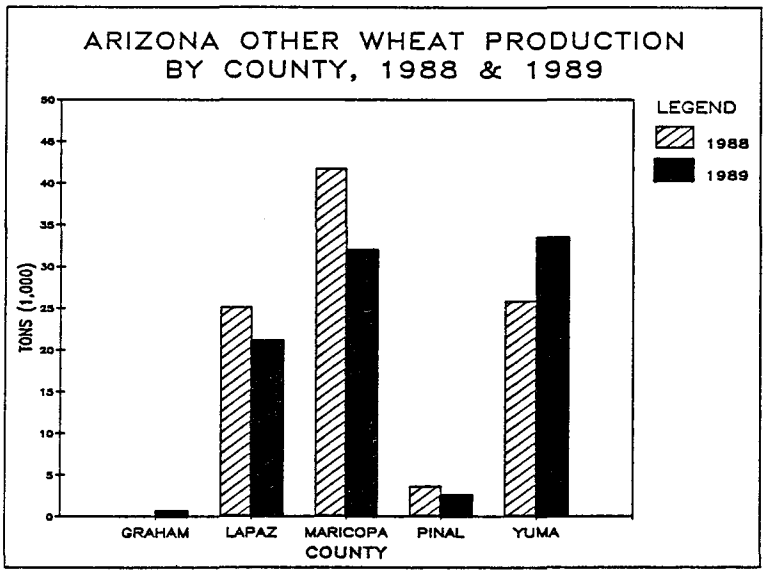
2/ Converted from 60 pound bushels and rounded.

OTHER WHEAT: Farm marketings, Arizona, 1977/78-1988/89

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
1977/78	48	34	6	3	0	3	0	0	3	2	1	0
1978/79	13	45	16	5	2	0	0	0	3	0	1	15
1979/80	38	45	9	2	2	1	0	0	2	0	0	1
1980/81	14	26	20	5	20	3	1	0	1	2	3	5
1981/82	35	25	16	4	1	0	1	2	1	2	2	11
1982/83	30	25	5	2	1	1	3	4	4	3	10	12
1983/84	18	40	24	3	3	3	2	2	2	1	1	1
1984/85	35	25	13	3	2	3	10	1	3	1	1	3
1985/86	20	30	15	2	5	2	3	2	1	1	10	9
1986/87	22	45	14	4	1	1	1	7	2	1	1	1
1987/88	27	37	23	4	1	2	1	1	1	1	1	1
1988/89	25	35	18	3	3	2	3	3	2	1	1	1

OTHER WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1977/78-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
1977/78	87.70	89.30	84.30	65.00	--	--	--	--	85.30	88.00	--	--	85.70
1978/79	96.30	100.30	105.30	104.00	104.00	--	108.00	--	107.00	--	107.00	120.70	104.00
1979/80	113.00	116.00	131.30	125.70	130.00	135.70	--	120.00	133.00	121.00	113.70	112.00	115.00
1980/81	120.30	120.70	111.30	131.30	140.00	142.00	146.30	134.30	143.70	148.30	143.00	140.30	126.00
1981/82	131.00	122.70	127.00	133.30	138.30	132.00	140.70	140.70	139.30	142.70	104.30	127.30	128.70
1982/83	116.30	118.70	114.30	122.00	136.70	119.70	132.70	130.30	128.70	135.70	125.00	131.00	122.70
1983/84	129.00	134.00	135.00	127.00	133.00	138.00	130.30	126.70	131.00	125.00	131.00	135.30	132.00
1984/85	132.70	131.70	125.30	127.00	123.70	133.30	130.00	--	142.70	126.70	--	123.00	130.00
1985/86	116.00	115.30	123.00	118.00	112.30	120.00	112.70	123.70	120.00	118.00	124.30	106.70	117.30
1986/87	105.70	101.00	98.00	103.30	--	--	90.00	99.00	94.00	95.00	--	--	103.30
1987/88	95.70	95.70	89.70	95.00	--	95.00	--	--	--	--	--	--	96.30
1988/89	--	--	--	130.00	--	--	--	--	--	--	--	--	131.00
1989/90	--	142.00	122.00	--	--	--	--	--	--	--	--	--	140.00



ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE					COCHISE				
1978	*				1978	3,900	3,800	3,850	7,310
1979	200	*			1979	4,500	4,000	3,990	7,980
1980	300	0			1980	3,500	3,200	4,620	7,390
1981	200	0			1981	2,800	2,800	5,140	7,190
1982	200	200	2,130	210	1982	1,500	1,500	4,650	3,490
1983	200	200	2,550	260	1983	1,500	1,400	5,520	3,860
1984	*				1984	1,500	1,500	4,890	3,670
1985	*				1985	1,100	1,100	5,000	2,750
1986	*				1986	900	700	4,340	1,520
1987	*				1987	900	700	3,670	1,280
1988	*				1988	1,300	1,200	5,120	3,070
1989	700	700	2,670	930	1989	1,200	1,000	4,730	2,360
COCONINO					GILA				
1978	*				1978	*			
1979	800	*			1979	*			
1980	1,700	1,500	3,720	2,790	1980	0			
1981	1,000	800	3,900	1,560	1981	300	300	3,960	590
1982	500	400	3,000	600	1982	*			
1983	500	400	3,900	780	1983	*			
1984	*				1984	*			
1985	600	400	3,680	740	1985	*			
1986	*				1986	0			
1987	*				1987	0			
1988	*				1988	*			
1989	*				1989	*			
GRAHAM					GREENLEE				
1978	2,100	2,000	3,870	3,870	1978	1,000	1,000	3,600	1,800
1979	2,500	2,400	3,960	4,750	1979	500	300	3,000	450
1980	6,500	6,000	4,460	13,370	1980	1,000	1,000	4,320	2,160
1981	4,500	4,200	5,340	11,220	1981	1,000	1,000	4,920	2,460
1982	4,300	4,100	5,690	11,650	1982	900	900	5,040	2,270
1983	5,200	4,900	5,900	14,470	1983	1,000	1,000	5,330	2,660
1984	4,900	4,800	5,650	13,550	1984	1,000	1,000	5,060	2,530
1985	2,500	2,400	5,790	6,950	1985	*			
1986	2,100	2,000	6,220	6,220	1986	600	600	5,180	1,550
1987	1,400	1,300	4,430	2,880	1987	800	800	4,640	1,850
1988	900	700	4,120	1,440	1988	700	700	4,460	1,560
1989	1,000	800	4,020	1,610	1989	900	900	4,450	2,000

See footnotes at end of table.

Continued--

ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
LA PAZ 2/				
1983	10,500	9,800	6,010	29,470
1984	10,400	10,400	5,750	29,920
1985	12,700	12,600	5,170	32,570
1986	12,000	12,000	5,000	30,020
1987	9,600	9,600	5,240	25,140
1988	12,300	12,100	5,630	34,070
1989	14,000	13,900	5,530	38,430
MOHAVE				
1978	2,000	2,000	2,820	2,820
1979	5,000	4,500	3,470	7,800
1980	5,000	4,700	3,830	9,010
1981	5,500	5,500	4,750	13,050
1982	3,500	3,500	5,180	9,070
1983	3,000	3,000	5,280	7,920
1984	3,700	3,700	5,030	9,310
1985	1,400	1,400	4,080	2,860
1986	*			
1987	*			
1988	1,100	1,100	3,630	2,000
1989	1,400	1,400	3,990	2,790
PIMA				
1978	3,400	3,400	4,150	7,060
1979	3,000	2,600	4,280	5,570
1980	4,000	3,700	4,270	7,890
1981	5,700	5,600	4,820	13,490
1982	5,600	5,500	4,910	13,510
1983	5,000	4,700	5,160	12,120
1984	5,900	5,800	4,660	13,490
1985	1,700	1,600	4,430	3,550
1986	2,000	1,700	4,660	3,960
1987	1,700	1,400	4,370	3,060
1988	1,700	1,500	4,800	3,600
1989	2,000	1,900	5,070	4,820

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
MARICOPA				
1978	43,000	40,900	4,260	87,120
1979	35,000	33,500	4,440	74,370
1980	96,500	92,500	4,880	225,890
1981	122,000	121,300	5,390	326,780
1982	47,700	46,900	5,540	129,950
1983	47,500	38,900	5,820	113,240
1984	50,200	49,300	5,740	141,610
1985	28,200	27,900	5,380	74,960
1986	28,300	28,000	5,790	81,070
1987	30,900	30,500	6,050	92,270
1988	29,300	28,900	6,020	87,060
1989	38,500	37,900	5,920	112,160
NAVAJO				
1978	600	500	3,000	750
1979	700	500	3,000	750
1980	1,000	800	3,120	1,250
1981	900	700	2,280	800
1982	1,000	1,000	2,130	1,070
1983	1,100	1,000	2,760	1,380
1984	900	900	2,580	1,160
1985	900	700	1,920	670
1986	600	600	2,200	660
1987	500	500	2,260	560
1988	500	300	1,800	270
1989	*			
PINAL				
1978	49,000	46,700	4,170	97,360
1979	43,000	40,200	4,420	88,740
1980	66,000	63,500	4,590	145,770
1981	79,000	78,200	4,720	184,570
1982	39,800	39,300	4,980	97,860
1983	30,900	26,600	5,080	67,470
1984	34,800	33,400	4,780	79,800
1985	22,500	22,200	4,520	50,190
1986	18,600	18,000	4,750	42,750
1987	16,600	16,000	4,640	37,110
1988	15,600	15,400	4,380	33,720
1989	23,000	22,800	4,480	51,100

See footnotes at end of table.

Continued--

ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
SANTA CRUZ				
1978	*			
1979	1,000	*		
1980	500	400	3,900	780
1981	300	300	4,080	610
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
1987	*			
1988	*			
1989	*			
YUMA 2/				
1978	39,000	37,000	4,370	80,880
1979	37,800	36,300	5,220	94,740
1980	38,000	36,800	5,360	98,620
1981	37,000	36,700	5,030	92,280
1982	38,500	38,300	5,250	100,540
1983	27,000	25,600	6,010	76,850
1984	29,600	29,200	5,830	85,100
1985	40,800	40,500	5,770	116,840
1986	31,200	31,000	5,840	90,580
1987	26,800	26,700	5,540	74,010
1988	22,200	22,000	5,770	63,450
1989	36,000	35,700	5,820	103,900

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
YAVAPAI				
1978	600	600	2,280	680
1979	1,000	700	3,000	1,050
1980	1,000	900	2,400	1,080
1981	800	600	2,400	720
1982	1,100	1,000	2,350	1,180
1983	1,200	1,100	2,700	1,490
1984	1,000	900	2,700	1,210
1985	600	500	3,000	750
1986	900	600	3,000	900
1987	800	500	1,990	500
1988	600	400	2,180	430
1989	500	300	1,980	300

* 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.

2/ La Paz County created from Yuma County in 1983.

ALL WHEAT: Acreage, yield, production, price, and value, Arizona, 1978-89

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.
1978	145,000	138,000	4,200	289,800	98.00	28,356
1979	135,000	125,000	4,580	286,200	122.00	34,961
1980	225,000	215,000	4,800	516,000	135.30	69,852
1981	261,000	258,000	5,080	655,320	153.70	100,765
1982	145,000	143,000	5,210	372,210	120.00	44,674
1983	135,000	119,000	5,590	332,820	133.70	44,477
1984	145,000	142,000	5,400	383,400	136.00	52,146
1985	114,000	112,000	5,250	294,120	117.30	34,472
1986	98,000	96,000	5,430	260,640	112.70	29,355
1987	91,000	89,000	5,390	240,150	101.70	24,397
1988	87,000	85,000	5,450	231,900	131.30	30,465
1989	120,000	118,000	5,450	321,660	138.70	44,654

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

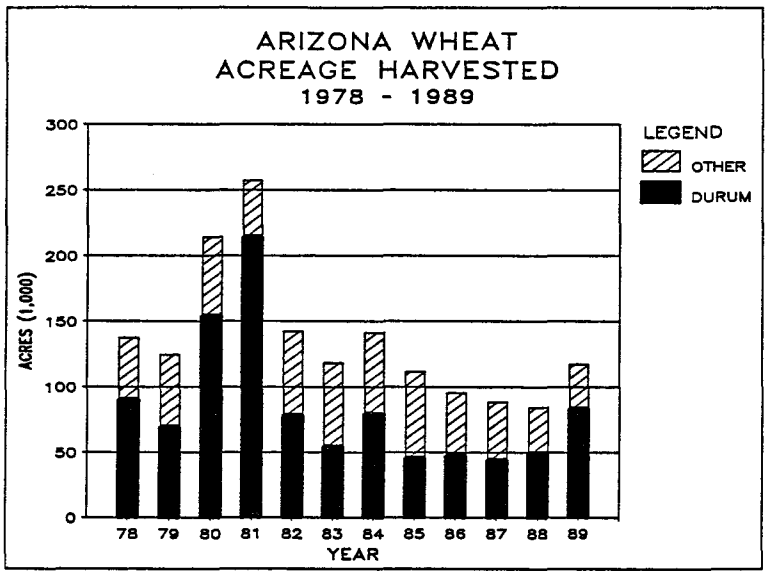
2/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Farm marketings, Arizona, 1977/78-1988/89

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
1977/78	34	22	11	3	1	3	1	3	3	1	13	5
1978/79	28	21	26	5	6	1	2	1	2	1	2	5
1979/80	24	50	9	4	4	3	1	1	1	1	1	1
1980/81	14	53	11	7	8	1	1	1	1	1	1	1
1981/82	20	60	8	1	1	1	1	1	1	2	1	3
1982/83	20	43	7	2	2	3	2	3	5	2	5	6
1983/84	19	37	24	4	4	3	2	2	2	1	1	1
1984/85	30	33	10	1	1	4	10	1	5	1	1	3
1985/86	25	38	10	2	3	2	2	2	1	1	8	6
1986/87	41	40	7	2	1	1	1	3	1	1	1	1
1987/88	63	15	9	2	1	3	1	1	2	1	1	1
1988/89	50	13	13	16	1	1	1	1	1	1	1	1

ALL WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1977/78-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
1977/78	87.30	89.00	88.00	65.00	--	--	--	82.00	90.30	91.70	100.00	100.00	89.00
1978/79	87.00	99.30	101.00	102.30	104.00	--	108.00	104.00	106.00	--	100.30	120.00	98.00
1979/80	112.70	121.00	133.00	140.00	130.00	143.30	--	120.00	133.00	121.70	113.70	122.00	122.00
1980/81	129.70	137.70	122.70	131.30	140.70	142.00	146.30	134.30	151.30	165.30	145.00	141.30	135.30
1981/82	160.00	157.70	148.00	135.00	138.00	123.00	122.70	133.70	128.30	131.30	108.00	122.00	153.70
1982/83	116.30	118.00	109.00	119.70	136.70	131.00	130.70	130.70	125.00	121.70	125.00	130.00	120.00
1983/84	134.30	132.70	135.00	129.70	133.00	139.00	132.30	131.70	130.70	126.70	131.00	138.70	133.70
1984/85	141.00	134.30	128.70	127.00	123.70	140.70	136.00	129.70	144.00	126.70	120.00	124.30	136.00
1985/86	115.30	116.30	121.00	117.70	112.30	120.00	112.70	123.70	122.70	136.00	124.30	111.00	117.30
1986/87	117.70	112.00	101.00	103.30	110.00	120.00	90.00	99.00	94.00	112.70	--	--	112.70
1987/88	102.00	96.30	90.30	95.00	--	119.30	--	127.00	128.30	134.70	--	--	101.70
1988/89	120.00	142.70	159.30	134.30	--	--	--	--	--	--	--	--	131.30
1989/90	134.70	140.30	133.30	130.30	--	--	--	114.00	120.00	--	--	120.00	138.70



BARLEY: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1978	*			
1979	0			
1980	0			
1981	0			
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
COCONINO				
1978	*			
1979	500	0		
1980	700	0		
1981	0			
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
1987	0			
1988	0			
1989	0			
GRAHAM				
1978	1,300	1,100	3,460	1,900
1979	1,800	1,800	3,600	3,240
1980	2,500	2,000	4,080	4,080
1981	2,000	2,000	4,800	4,800
1982	3,000	2,900	4,970	7,210
1983	3,200	2,900	5,230	7,580
1984	3,400	3,400	5,510	9,370
1985	3,000	3,000	5,040	7,570
1986	2,000	1,700	5,280	4,490
1987	1,600	1,200	5,060	3,040
1988	900	700	5,690	1,990
1989	800	600	5,500	1,650

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
1978	1,000	1,000	3,020	1,510
1979	1,500	1,000	3,120	1,560
1980	1,200	900	3,550	1,600
1981	900	800	4,080	1,630
1982	1,000	900	4,130	1,860
1983	1,500	1,400	4,130	2,890
1984	2,100	2,100	4,030	4,230
1985	900	900	4,670	2,100
1986	500	500	4,030	1,010
1987	500	500	4,610	1,150
1988	*			
1989	500	400	5,290	1,060
GILA				
1978	*			
1979	0			
1980	300	0		
1981	500	500	2,160	540
1982	500	500	2,510	620
1983	*			
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
GREENLEE				
1978	*			
1979	0			
1980	300	0		
1981	200	200	3,360	330
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			

See footnotes at end of table.

Continued--

BARLEY: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
LA PAZ 2/				
1983	500	400	5,050	1,010
1984	1,500	1,400	5,400	3,780
1985	1,000	1,000	5,040	2,520
1986	600	600	5,280	1,580
1987	*			
1988	*			
1989	*			
MOHAVE				
1978	*			
1979	1,000	1,000	3,500	1,750
1980	1,000	800	3,360	1,340
1981	500	500	4,080	1,020
1982	300	300	3,840	580
1983	700	500	4,610	1,150
1984	700	600	4,570	1,370
1985	1,400	1,400	3,600	2,520
1986	1,000	1,000	4,320	2,160
1987	700	700	4,730	1,660
1988	*			
1989	*			
PIMA				
1978	1,700	1,300	3,840	2,500
1979	2,000	2,000	3,840	3,840
1980	2,000	2,000	3,840	3,840
1981	1,000	1,000	4,320	2,160
1982	900	700	4,320	1,510
1983	900	700	4,520	1,580
1984	1,200	1,200	4,000	2,400
1985	1,400	1,000	3,800	1,900
1986	1,600	1,000	4,660	2,330
1987	1,300	700	3,770	1,320
1988	500	300	3,920	590
1989	*			

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
MARICOPA				
1978	17,000	14,000	3,550	24,860
1979	18,000	16,000	3,700	29,570
1980	18,000	16,000	4,320	34,510
1981	14,000	13,500	4,580	30,950
1982	14,100	12,500	5,400	33,720
1983	10,100	8,700	5,000	21,760
1984	19,100	18,300	5,470	50,030
1985	33,000	29,100	5,030	73,100
1986	15,000	13,700	4,900	33,540
1987	9,200	8,200	4,750	19,480
1988	4,800	3,900	5,230	10,200
1989	5,100	3,900	5,120	9,990
NAVAJO				
1978	300	*		
1979	300	300	2,880	430
1980	300	300	2,880	430
1981	300	300	3,120	470
1982	600	300	3,120	470
1983	*			
1984	500	400	3,360	670
1985	*			
1986	*			
1987	*			
1988	*			
1989	*			
PINAL				
1978	14,000	12,000	3,170	19,010
1979	15,000	13,500	3,640	24,580
1980	25,000	22,000	4,270	46,940
1981	17,000	14,000	4,490	31,420
1982	16,000	14,800	4,610	34,130
1983	12,200	10,100	5,250	26,520
1984	21,100	20,600	4,340	44,690
1985	22,000	21,800	4,280	46,610
1986	9,000	8,700	4,800	20,880
1987	8,000	7,400	4,830	17,890
1988	5,000	4,400	5,130	11,280
1989	5,000	4,100	4,980	10,210

See footnotes at end of table.

Continued--

BARLEY: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
SANTA CRUZ					YAVAPAI				
1978	500	300	2,830	430	1978	*			
1979	1,900	0			1979	0			
1980	500	0			1980	200	0		
1981	400	200	4,080	410	1981	200	0		
1982	*				1982	*			
1983	500	300	4,160	620	1983	0			
1984	700	500	4,050	1,010	1984	0			
1985	500	300	3,650	550	1985	500	400	4,320	860
1986	*				1986	700	400	3,460	690
1987	*				1987	*			
1988	*				1988	*			
1989	*				1989	*			
YUMA 2/									
1978	6,000	5,000	3,600	9,000					
1979	8,000	7,400	3,360	12,430					
1980	8,000	6,800	3,890	11,660					
1981	3,000	3,000	3,840	5,760					
1982	4,000	4,000	4,410	8,810					
1983	1,100	1,000	5,050	2,520					
1984	3,500	3,500	5,400	9,460					
1985	1,500	1,500	4,580	3,440					
1986	800	800	4,650	1,860					
1987	2,100	2,100	5,110	5,360					
1988	2,100	2,000	4,680	4,680					
1989	1,900	1,700	4,880	4,150					

* 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/ La Paz County created from Yuma County in 1983.

BARLEY: Acreage, yield, production, price, and value, Arizona, 1978-89

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.
1978	42,000	35,000	3,410	59,640	99.60	5,939
1979	50,000	43,000	3,600	77,400	108.80	8,417
1980	60,000	50,000	4,180	104,400	111.30	11,615
1981	40,000	36,000	4,420	79,490	142.50	13,927
1982	42,000	38,000	4,800	91,200	113.80	10,374
1983	32,000	27,000	4,990	67,390	125.80	8,480
1984	55,000	53,000	4,850	128,470	125.00	16,059
1985	67,000	62,000	4,660	144,340	117.50	16,959
1986	32,000	29,000	4,800	69,600	102.90	7,163
1987	25,000	22,000	4,750	52,270	91.30	4,770
1988	15,000	13,000	4,990	32,450	97.90	3,177
1989	15,000	12,000	4,940	29,660	131.30	3,893

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.

BARLEY: Farm marketings, Arizona, 1977/78-1988/89

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
1977/78	32	26	2	1	6	1	1	1	7	18	2	3
1978/79	38	45	5	3	2	1	1	1	1	1	1	1
1979/80	33	50	5	3	2	1	1	1	1	1	1	1
1980/81	18	55	16	2	1	1	1	2	1	1	1	1
1981/82	40	45	3	1	1	1	1	2	1	2	1	2
1982/83	28	50	10	3	1	1	1	1	2	1	1	1
1983/84	30	49	9	1	1	2	2	1	2	1	1	1
1984/85	40	44	4	1	1	3	1	1	2	1	1	1
1985/86	40	27	20	3	3	1	1	1	1	1	1	1
1986/87	62	24	1	1	1	1	1	1	2	1	1	1
1987/88	78	4	7	1	1	3	1	1	1	1	1	1
1988/89	56	32	1	1	1	1	1	1	1	1	1	3

BARLEY: Monthly and marketing year average prices received by growers, Arizona, 1977/78-1989/90

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
1977/78	89.20	92.90	82.90	65.00	69.20	--	--	--	87.50	84.20	91.30	103.80	87.90
1978/79	95.00	102.10	100.00	110.00	103.80	--	--	--	104.60	--	100.00	--	99.60
1979/80	106.70	109.20	109.60	116.30	--	125.80	115.40	--	--	127.10	--	102.90	108.80
1980/81	111.70	108.80	106.70	130.00	127.10	--	155.80	142.90	--	--	--	137.50	111.30
1981/82	145.80	143.30	139.60	110.00	--	--	--	132.50	125.00	122.50	--	110.00	142.50
1982/83	114.20	114.60	110.80	121.30	--	102.50	91.30	--	106.30	112.10	--	--	113.80
1983/84	125.40	123.80	130.00	--	--	135.00	145.00	--	134.60	--	--	132.50	125.80
1984/85	125.80	124.60	120.80	--	129.60	127.90	--	120.00	124.60	124.20	129.20	120.40	125.00
1985/86	118.30	118.80	116.30	117.10	115.80	--	--	--	104.20	--	--	106.70	117.50
1986/87	110.40	100.00	90.40	97.90	--	95.00	95.00	95.00	97.90	--	100.00	--	102.90
1987/88	92.50	95.40	75.00	--	--	95.00	--	--	--	--	--	--	91.30
1988/89	95.00	102.90	--	--	--	--	--	--	--	--	--	--	97.90
1989/90 1/													131.30

1/ Monthly prices discontinued at the beginning of 1989/90 crop year.

CORN: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/		Acres		Lbs. 1/	Tons 1/
APACHE 2/					COCHISE				
1978	3,000	2,000	1,510	1,510	1978	41,000	37,000	7,220	133,640
1979	2,400	2,000	1,680	1,680	1979	31,000	30,000	7,340	110,040
1980	2,000	1,500	1,980	1,480	1980	27,000	25,000	6,280	78,490
1981	2,000	200	3,640	360	1981	23,600	20,000	7,830	78,350
1982	2,600	500	4,790	1,200	1982	7,700	7,600	8,240	31,310
1983	0				1983	7,800	6,900	8,460	29,170
1984	0				1984	8,500	8,000	7,840	31,360
1985	0				1985	8,100	6,700	7,000	23,450
1986	0				1986	9,300	6,500	8,120	26,390
1987	0				1987	8,600	6,900	8,340	28,790
1988	0				1988	7,600	6,400	9,460	30,280
1989	0				1989	9,000	7,100	8,570	30,440
COCONINO					GILA				
1978	2,000	1,500	1,570	1,180	1978	*			
1979	1,000	500	1,740	430	1979	0			
1980	1,500	1,000	2,240	1,120	1980	200	0		
1981	1,800	700	3,920	1,370	1981	0			
1982	500	200	3,360	340	1982	*			
1983	500	200	4,760	480	1983	*			
1984	1,000	700	4,030	1,410	1984	*			
1985	500	400	3,920	780	1985	*			
1986	500	400	3,920	780	1986	*			
1987	*				1987	*			
1988	*				1988	0			
1989	*				1989	0			
GRAHAM					GREENLEE				
1978	4,000	3,000	8,400	12,600	1978	1,000	700	7,000	2,450
1979	4,200	4,000	8,230	16,460	1979	400	300	8,010	1,200
1980	4,000	2,500	5,490	6,860	1980	500	400	5,600	1,120
1981	4,500	4,000	8,400	16,800	1981	400	300	5,940	890
1982	4,800	4,500	8,400	18,900	1982	*			
1983	4,000	3,700	8,400	15,540	1983	*			
1984	4,500	4,300	9,240	19,870	1984	*			
1985	3,900	3,600	9,130	16,430	1985	*			
1986	4,000	3,800	10,360	19,680	1986	500	300	5,990	900
1987	3,900	3,500	9,800	17,150	1987	*			
1988	3,200	2,500	10,980	13,720	1988	500	300	7,900	1,180
1989	3,400	2,400	9,760	11,700	1989	800	400	7,000	1,400

See footnotes at end of table.

Continued--

CORN: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
LA PAZ 3/				
1983	0			
1984	*			
1985	500	500	6,720	1,680
1986	1,000	1,000	4,760	2,380
1987	1,600	1,600	6,270	5,020
1988	1,200	1,200	5,990	3,600
1989	1,500	1,500	6,500	4,870
MOHAVE				
1978	*			
1979	0			
1980	0			
1981	0			
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
1987	0			
1988	0			
1989	0			
PIMA				
1978	500	*		
1979	0			
1980	0			
1981	0			
1982	*			
1983	*			
1984	*			
1985	*			
1986	1,000	0		
1987	*			
1988	*			
1989	*			

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
MARICOPA				
1978	10,000	500	3,080	770
1979	11,200	500	4,590	1,150
1980	7,000	0		
1981	4,500	500	7,560	1,890
1982	5,900	700	8,120	2,840
1983	5,000	900	7,390	3,330
1984	5,200	2,100	6,100	6,400
1985	5,300	1,000	6,160	3,080
1986	6,000	1,000	5,320	2,660
1987	5,700	1,000	4,760	2,380
1988	3,600	800	5,600	2,240
1989	3,500	700	5,360	1,880
NAVAJO 2/				
1978	6,000	4,000	2,910	5,820
1979	6,300	5,500	2,910	8,010
1980	5,000	4,000	3,640	7,280
1981	4,500	3,300	4,200	6,930
1982	4,300	3,100	4,480	6,940
1983	200	0		
1984	400	0		
1985	500	0		
1986	300	0		
1987	300	0		
1988	400	0		
1989	*			
PINAL				
1978	500	*		
1979	800	*		
1980	1,000	100	5,040	250
1981	1,200	0		
1982	1,300	500	8,120	2,030
1983	700	400	7,280	1,460
1984	700	500	6,360	1,590
1985	*			
1986	*			
1987	500	300	4,760	710
1988	900	300	5,430	810
1989	500	100	5,040	250

See footnotes at end of table.

Continued--

CORN: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
SANTA CRUZ				
1978	500	400	4,200	840
1979	700	200	4,140	410
1980	800	0		
1981	1,700	500	4,840	1,210
1982	800	300	6,480	970
1983	*			
1984	*			
1985	*			
1986	*			
1987	*			
1988	0			
1989	*			
YUMA 3/				
1978	500	*		
1979	*			
1980	0			
1981	0			
1982	*			
1983	*			
1984	600	600	7,000	2,100
1985	500	500	7,560	1,890
1986	800	800	6,160	2,460
1987	500	500	5,490	1,370
1988	600	600	5,990	1,800
1989	*			

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
YAVAPAI				
1978	1,000	800	5,040	2,020
1979	2,000	1,800	5,600	5,040
1980	1,000	500	5,600	1,400
1981	800	500	5,600	1,400
1982	1,100	400	6,720	1,340
1983	800	500	5,600	1,400
1984	900	900	4,960	2,230
1985	700	700	4,760	1,670
1986	1,000	1,000	5,880	2,940
1987	700	700	6,440	2,250
1988	500	500	5,710	1,430
1989	*			

* 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.

2/ Navajo/Hopi Indian corn not included as conventional corn beginning with 1983.

3/ La Paz County created from Yuma County in 1983.

CORN: Acreage, yield, production, price, and value, Arizona, 1978-89

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.
1978	70,000	50,000	6,440	161,000	89.30	14,375
1979	60,000	45,000	6,440	144,900	112.50	16,301
1980	50,000	35,000	5,600	98,000	139.60	13,685
1981	45,000	30,000	7,280	109,200	111.10	12,129
1982	30,000	18,000	7,390	66,530	116.10	7,722
1983	20,000	13,000	8,120	52,780	135.70	7,163
1984	23,000	18,000	7,560	68,040	112.10	7,630
1985	21,000	14,000	7,280	50,960	101.10	5,151
1986	25,000	15,000	7,840	58,800	83.90	4,935
1987	23,000	15,000	7,840	58,800	81.80	4,809
1988	19,000	13,000	8,680	56,420	112.50	6,347
1989	20,000	13,000	8,120	52,780	121.40	6,409

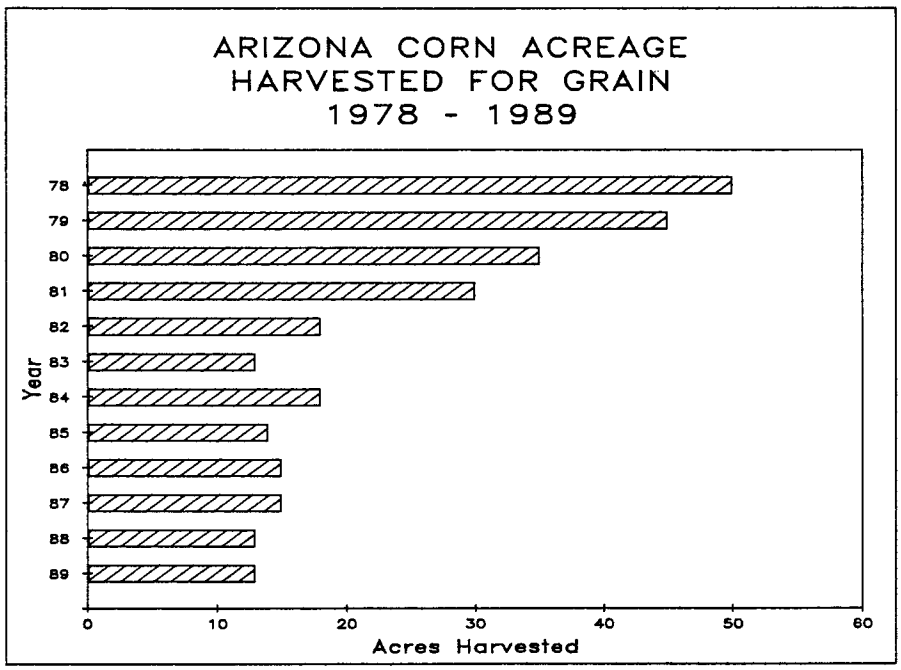
1/ Average price for the September through August marketing season. Prices do not include an allowance for loans outstanding and government purchases.

2/ Converted from 56 pound bushels and rounded.

CORN FOR SILAGE: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1978	18,000	20.0	360,000	1/	
1979	12,000	22.0	264,000	1/	
1980	14,000	21.0	294,000	1/	
1981	14,000	21.0	294,000	1/	
1982	12,000	23.0	276,000	1/	
1983	7,000	24.0	168,000	1/	
1984	5,000	25.0	125,000	1/	
1985	7,000	23.0	161,000	1/	
1986	10,000	25.0	250,000	18.00	5,850
1987	8,000	23.0	184,000	20.00	4,140
1988	6,000	27.0	162,000	20.00	3,780
1989	7,000	27.0	189,000	20.00	3,780

1/ Not available.



SORGHUM: Acreage, yield, and production, Arizona, by counties, 1978-87 1/

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 2/	Tons 2/		Acres		Lbs. 2/	Tons 2/
APACHE					COCHISE				
1978	500	500	4,200	1,050	1978	10,000	7,000	5,120	17,920
1979	400	400	3,640	730	1979	8,500	6,500	4,650	15,120
1980	500	400	3,920	780	1980	8,000	6,200	5,150	15,970
1981	1,200	900	4,480	2,020	1981	5,000	4,800	4,760	11,420
1982	800	700	4,590	1,610	1982	2,500	2,200	5,240	5,760
1983	900	700	4,760	1,670	1983	2,200	1,500	5,280	3,960
1984	700	700	4,930	1,730	1984	2,000	1,600	6,160	4,930
1985	800	800	4,930	1,970	1985	1,500	1,000	5,940	2,970
1986	500	300	4,910	740	1986	1,200	700	5,320	1,860
1987	700	700	4,080	1,430	1987	1,500	700	5,680	1,990
COCONINO					GILA				
1978	200	*			1978	*			
1979	0				1979	0			
1980	0				1980	0			
1981	200	200	3,980	400	1981	0			
1982	0				1982	*			
1983	0				1983	*			
1984	0				1984	*			
1985	0				1985	*			
1986	0				1986	0			
1987	0				1987	0			
GRAHAM					GREENLEE				
1978	4,000	3,500	4,560	7,980	1978	400	400	3,360	670
1979	3,000	2,600	4,400	5,770	1979	400	400	3,430	690
1980	4,000	3,000	5,040	7,560	1980	600	500	4,460	1,110
1981	3,000	2,900	4,980	7,230	1981	800	700	4,480	1,570
1982	2,500	2,300	5,180	5,960	1982	*			
1983	2,400	2,000	4,790	4,790	1983	*			
1984	2,400	2,200	5,710	6,280	1984	*			
1985	2,500	2,300	5,150	5,930	1985	*			
1986	1,800	1,500	5,710	4,280	1986	*			
1987	1,400	1,200	5,600	3,360	1987	*			
LA PAZ 3/					MARICOPA				
					1978	6,000	4,600	3,980	9,160
					1979	5,000	4,000	3,640	7,280
					1980	6,000	3,400	4,200	7,140
					1981	4,000	3,000	4,290	6,430
					1982	5,000	2,700	3,850	5,200
1983	*				1983	5,500	2,700	4,190	5,650
1984	*				1984	5,300	4,500	4,480	10,080
1985	*				1985	5,300	4,600	4,310	9,920
1986	1,000	1,000	4,540	2,270	1986	4,500	3,400	4,670	7,940
1987	1,300	1,300	4,610	3,000	1987	5,000	3,800	5,250	9,970

See footnotes at end of table.

Continued--

SORGHUM: Acreage, yield, and production, Arizona, by counties, 1978-87 1/-continued

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 2/	Tons 2/
MOHAVE				
1978	500	500	2,800	700
1979	700	700	3,120	1,090
1980	900	900	4,030	1,810
1981	1,500	1,500	4,820	3,610
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
1987	*			
PIMA				
1978	1,000	800	3,920	1,570
1979	1,200	800	3,640	1,460
1980	2,000	1,800	4,980	4,490
1981	2,500	2,400	4,420	5,310
1982	2,000	1,800	4,480	4,030
1983	1,300	800	4,230	1,690
1984	1,100	900	4,140	1,870
1985	1,000	800	4,480	1,790
1986	*			
1987	*			
SANTA CRUZ				
1978	200	0		
1979	0			
1980	200	0		
1981	500	0		
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
1987	0			
YUMA 3/				
1978	3,000	3,000	3,990	5,990
1979	3,500	2,800	3,660	5,120
1980	4,000	3,000	4,180	6,280
1981	3,000	2,800	4,030	5,640
1982	2,000	1,700	4,700	4,000
1983	1,800	1,400	3,980	2,780
1984	1,800	1,600	5,180	4,140
1985	2,600	2,400	5,380	6,450
1986	2,600	2,100	5,490	5,760
1987	1,200	1,000	5,320	2,660

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 2/	Tons 2/
NAVAJO				
1978	1,200	400	2,170	430
1979	1,000	600	1,820	550
1980	1,000	700	2,300	800
1981	1,100	800	2,170	870
1982	800	600	2,180	650
1983	800	600	2,630	790
1984	500	500	2,860	710
1985	500	500	2,800	700
1986	*			
1987	*			
PINAL				
1978	5,000	4,200	4,270	8,960
1979	7,000	6,000	3,850	11,560
1980	7,500	5,900	4,030	11,900
1981	7,000	6,000	4,090	12,280
1982	3,500	2,500	3,920	4,900
1983	4,000	2,500	3,850	4,810
1984	3,300	3,100	4,200	6,510
1985	2,700	2,500	3,530	4,410
1986	2,200	1,800	4,400	3,960
1987	1,900	1,700	4,410	3,750
YAVAPAI				
1978	*			
1979	200	200	3,360	330
1980	300	200	3,980	400
1981	200	0		
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
1987	0			

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

1/ County level estimates discontinued in 1988.

2/ Converted from 56 pound bushels and rounded.

3/ La Paz County created from Yuma County in 1983.

SORGHUM: Acreage, yield, and production, by districts, 1988-89

District 1/	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	District 1/	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 2/	Tons 2/		Acres		Lbs. 2/	Tons 2/
1988									
20	500	300	4,380	660	50	2,500	2,000	5,520	5,520
70	1,000	900	5,440	2,450	90	1,000	800	6,440	2,570
1989									
20	400	*			50	3,000	1,800	4,450	4,000
70	600	400	3,920	780	90	2,000	700	5,040	1,760

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

1/ District 20 includes Apache, Coconino, Mohave, Navajo, and Yavapai counties; district 50 includes Maricopa and Pinal counties; district 70 includes La Paz and Yuma counties, and district 90 includes Cochise, Gila, Graham, Greenlee, Pima and Santa Cruz counties.

2/ Converted from 56 pound bushels and rounded.

SORGHUM: Acreage, yield, production, price, and value, Arizona, 1978-89

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.
1978	32,000	25,000	4,370	54,600	92.10	5,031
1979	31,000	25,000	3,980	49,700	114.30	5,680
1980	35,000	26,000	4,480	58,240	133.60	7,779
1981	30,000	26,000	4,370	56,780	113.90	6,469
1982	20,000	15,000	4,420	33,180	104.60	3,472
1983	20,000	13,000	4,260	27,660	130.00	3,596
1984	18,000	16,000	4,760	38,080	117.10	4,461
1985	18,000	16,000	4,540	36,290	102.90	3,732
1986	15,000	12,000	4,870	29,230	82.10	2,401
1987	14,000	11,000	5,040	27,720	83.60	2,317
1988	5,000	4,000	5,600	11,200	110.00	1,232
1989	6,000	3,000	4,480	6,720	100.00	672

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

2/ Converted from 56 pound bushels and rounded.

SORGHUM FOR SILAGE: Acreage, yield, production, price and value, Arizona, 1978-89

Year	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1978	5,000	17.0	85,000	1/	
1979	4,000	17.0	68,000	1/	
1980	6,000	18.5	111,000	1/	
1981	3,000	22.0	66,000	1/	
1982	4,000	19.5	78,000	1/	
1983	5,000	16.0	80,000	1/	
1984	2,000	20.0	40,000	1/	
1985	2,000	24.0	48,000	1/	
1986	3,000	19.0	57,000	16.00	912
1987	3,000	18.0	54,000	20.00	1,080
1988	1,000	17.0	17,000	18.00	306
1989	3,000	20.0	60,000	18.00	1,080

1/ Not available.

ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 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			
1978	1,600	3.1	5,000	1978	9,000	6.4	58,000
1979	1,500	3.0	4,500	1979	8,000	6.4	51,000
1980	1,600	2.7	4,300	1980	10,000	6.0	60,000
1981	2,400	3.2	7,700	1981	10,500	6.5	68,200
1982	2,900	3.4	10,000	1982	11,100	6.4	71,000
1983	2,800	3.5	9,800	1983	8,200	6.5	53,000
1984	3,000	4.0	12,100	1984	7,500	5.9	44,200
1985	3,700	3.8	14,100	1985	7,500	5.9	44,000
1986	3,000	4.0	12,000	1986	7,000	5.5	38,500
1987	3,100	3.7	11,400	1987	7,300	4.9	35,500
1988	3,600	4.3	15,500	1988	6,900	5.7	39,100
1989	3,000	3.4	10,200	1989	6,500	5.4	35,000
COCONINO				GILA			
1978	400	5.0	2,000	1978	500	2.0	1,000
1979	300	5.0	1,500	1979	400	3.0	1,200
1980	500	4.6	2,300	1980	400	3.0	1,200
1981	500	4.8	2,400	1981	100	4.0	400
1982	400	4.8	1,900	1982	100	4.0	400
1983	400	4.8	1,900	1983	100	4.0	400
1984	500	4.6	2,300	1984	200	4.0	800
1985	500	4.0	2,000	1985	0		
1986	500	3.6	1,800	1986	0		
1987	500	3.4	1,700	1987	0		
1988	*			1988	*		
1989	*			1989	*		
GRAHAM				GREENLEE			
1978	6,500	6.5	42,000	1978	1,500	6.0	9,000
1979	6,600	5.8	38,500	1979	1,000	5.0	5,000
1980	7,500	6.3	47,000	1980	1,000	5.5	5,500
1981	6,000	6.1	36,800	1981	900	5.9	5,300
1982	5,000	5.8	29,100	1982	1,000	6.0	6,000
1983	4,700	6.6	31,000	1983	900	6.0	5,400
1984	5,800	6.2	36,200	1984	500	6.2	3,100
1985	4,500	6.0	27,000	1985	*		
1986	5,000	6.2	31,000	1986	500	5.0	2,500
1987	5,200	5.9	30,600	1987	500	5.8	2,900
1988	4,400	5.8	25,700	1988	500	6.6	3,300
1989	3,500	5.7	20,000	1989	*		

See footnotes at end of table.

Continued--

ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 1/--continued

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
LA PAZ 2/				MARICOPA			
				1978	60,000	6.3	378,000
				1979	57,000	6.4	365,000
				1980	55,000	7.4	406,000
				1981	51,000	7.5	382,500
				1982	51,400	7.9	403,500
1983	25,700	7.3	187,600	1983	46,000	8.0	368,000
1984	24,500	7.8	190,500	1984	40,000	7.7	308,000
1985	26,000	7.6	197,000	1985	40,300	7.8	315,000
1986	31,000	8.2	254,200	1986	47,000	7.8	365,900
1987	40,000	8.1	324,000	1987	48,500	8.1	394,800
1988	36,400	8.3	300,500	1988	46,400	8.1	376,000
1989	35,200	8.0	280,000	1989	45,800	7.6	350,000
MOHAVE				NAVAJO			
1978	3,500	6.6	23,000	1978	5,000	3.0	15,000
1979	3,000	7.0	21,000	1979	4,900	3.0	14,700
1980	3,200	6.8	21,800	1980	5,000	3.5	17,500
1981	4,300	6.4	27,600	1981	4,800	3.2	15,500
1982	5,500	7.0	38,500	1982	4,800	3.2	15,400
1983	5,600	6.9	38,600	1983	4,300	3.3	14,300
1984	5,800	6.5	37,500	1984	4,200	3.6	15,300
1985	5,300	5.7	30,000	1985	3,200	3.1	10,000
1986	3,000	5.5	16,500	1986	3,000	3.7	11,000
1987	3,100	4.6	14,400	1987	3,100	3.7	11,600
1988	4,000	6.5	26,000	1988	3,100	3.8	11,900
1989	6,000	8.8	53,000	1989	2,500	3.2	8,000
PIMA				PINAL			
1978	2,000	5.5	11,000	1978	15,000	5.3	80,000
1979	1,900	6.0	11,400	1979	14,000	6.2	87,000
1980	2,000	5.5	11,000	1980	15,000	6.4	95,500
1981	1,800	5.9	10,600	1981	13,500	6.4	86,900
1982	2,000	6.0	12,000	1982	13,000	6.8	88,400
1983	2,000	6.4	12,800	1983	11,700	6.3	74,000
1984	2,100	7.1	14,900	1984	11,000	6.3	69,000
1985	3,000	6.0	18,000	1985	11,500	6.8	78,000
1986	1,000	5.7	5,700	1986	11,000	7.5	82,500
1987	1,000	5.8	5,800	1987	11,400	8.0	91,600
1988	1,500	6.7	10,000	1988	11,600	7.9	91,500
1989	1,200	7.1	8,500	1989	11,100	8.1	90,000

See footnotes at end of table.

Continued--

ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 1/--continued

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
SANTA CRUZ				YAVAPAI			
1978	1,000	5.0	5,000	1978	2,000	4.0	8,000
1979	1,200	6.0	7,200	1979	2,200	5.0	11,000
1980	1,300	4.9	6,400	1980	2,500	4.2	10,500
1981	1,400	4.9	6,900	1981	2,500	4.4	10,900
1982	1,200	5.8	7,000	1982	2,300	4.5	10,400
1983	1,100	5.8	6,400	1983	2,000	4.3	8,500
1984	500	6.0	3,000	1984	2,800	4.2	11,700
1985	*			1985	4,000	4.0	16,000
1986	500	5.4	2,700	1986	4,000	3.9	15,600
1987	500	5.8	2,900	1987	4,100	4.4	17,900
1988	600	6.2	3,700	1988	2,900	3.8	11,000
1989	700	5.6	3,900	1989	2,500	4.2	10,500
YUMA 2/							
1978	62,000	7.0	434,000				
1979	58,000	7.0	405,000				
1980	60,000	7.8	466,000				
1981	60,300	7.6	458,300				
1982	59,300	8.0	474,400				
1983	29,500	8.4	247,300				
1984	31,600	8.2	259,400				
1985	35,000	7.9	276,000				
1986	38,500	8.8	338,100				
1987	31,700	9.6	302,900				
1988	32,600	9.5	309,000				
1989	31,100	8.6	267,000				

* 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.

2/ La Paz County created from Yuma County in 1983.

ALFALFA HAY: Acreage, yield, and production, Arizona 1978-89 1/

Year	Harvested	Yield per acre	Production
	Acres	Tons	Tons
1978	170,000	6.3	1,071,000
1979	160,000	6.4	1,024,000
1980	165,000	7.0	1,155,000
1981	160,000	7.0	1,120,000
1982	160,000	7.3	1,168,000
1983	145,000	7.3	1,059,000
1984	140,000	7.2	1,008,000
1985	145,000	7.1	1,030,000
1986	155,000	7.6	1,178,000
1987	160,000	7.8	1,248,000
1988	155,000	7.9	1,225,000
1989	150,000	7.6	1,140,000

1/ Does not include green chop or grazed.

OTHER HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 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			
1978	3,500	1.8	6,200	1978	1,500	1.6	2,400
1979	3,200	1.5	4,800	1979	1,400	1.8	2,500
1980	3,000	2.3	6,800	1980	800	5.4	4,300
1981	2,400	2.3	5,500	1981	1,000	3.7	3,700
1982	2,500	3.2	8,000	1982	700	3.6	2,500
1983	2,500	3.0	7,500	1983	800	4.8	3,800
1984	2,500	3.0	7,500	1984	900	4.4	4,000
1985	1,800	3.0	5,400	1985	1,100	4.3	4,700
1986	1,000	2.6	2,600	1986	900	3.4	3,100
1987	1,200	3.0	3,600	1987	1,000	3.4	3,400
1988	1,100	3.6	4,000	1988	800	2.4	1,900
1989	1,200	2.2	2,600	1989	800	3.9	3,100
COCONINO				GILA			
1978	500	1.8	900	1978	500	1.6	800
1979	600	2.2	1,300	1979	400	1.5	600
1980	800	2.9	2,300	1980	300	1.7	500
1981	600	2.8	1,700	1981	500	2.2	1,100
1982	500	2.6	1,300	1982	400	2.0	800
1983	500	3.0	1,500	1983	400	2.5	1,000
1984	500	3.6	1,800	1984	*		
1985	500	4.0	2,000	1985	*		
1986	500	3.8	1,900	1986	*		
1987	500	3.8	1,900	1987	*		
1988	*			1988	*		
1989	500	3.0	1,500	1989	*		
GRAHAM				GREENLEE			
1978	1,000	1.8	1,800	1978	600	1.8	1,100
1979	900	1.8	1,600	1979	500	2.0	1,000
1980	1,000	3.3	3,300	1980	0		
1981	900	3.7	3,300	1981	200	2.0	400
1982	900	3.6	3,200	1982	200	3.0	600
1983	800	3.8	3,000	1983	200	3.0	600
1984	700	3.4	2,400	1984	*		
1985	*			1985	*		
1986	900	3.8	3,400	1986	*		
1987	1,000	4.1	4,100	1987	*		
1988	800	2.3	1,800	1988	*		
1989	800	3.0	2,400	1989	*		

See footnotes at end of table.

Continued--

OTHER HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 1/--continued

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
LA PAZ 2/				MARICOPA			
				1978	9,000	2.4	21,300
				1979	9,200	2.7	24,600
				1980	9,000	4.4	40,000
				1981	8,400	3.5	29,800
				1982	8,100	3.1	24,800
1983	2,300	4.9	11,300	1983	7,500	4.5	34,000
1984	2,500	5.0	12,400	1984	7,000	4.9	34,000
1985	2,700	4.0	10,800	1985	6,200	3.8	23,300
1986	2,000	4.6	9,200	1986	6,000	4.4	26,600
1987	6,000	5.7	34,000	1987	5,800	4.6	26,400
1988	5,000	4.0	20,000	1988	5,000	4.1	20,500
1989	6,500	3.8	25,000	1989	6,800	4.3	29,000
MOHAVE				NAVAJO			
1978	300	1.7	500	1978	1,200	1.5	1,800
1979	500	2.0	1,000	1979	1,500	1.5	2,300
1980	500	2.4	1,200	1980	1,500	2.3	3,400
1981	700	2.3	1,600	1981	1,600	2.1	3,300
1982	500	2.0	1,000	1982	1,500	2.2	3,300
1983	900	3.0	2,700	1983	1,500	2.3	3,400
1984	800	3.5	2,800	1984	1,400	2.3	3,200
1985	800	3.0	2,400	1985	900	2.0	1,800
1986	800	3.0	2,400	1986	*		
1987	800	3.0	2,400	1987	500	2.6	1,300
1988	700	3.0	2,100	1988	*		
1989	1,300	3.0	3,900	1989	*		
PIMA				PINAL			
1978	400	2.5	1,000	1978	2,000	2.0	4,000
1979	500	2.4	1,200	1979	2,500	2.3	5,700
1980	500	4.0	2,000	1980	3,000	3.7	11,000
1981	500	3.4	1,700	1981	2,500	3.4	8,600
1982	400	3.0	1,200	1982	1,900	2.9	5,500
1983	500	3.6	1,800	1983	2,000	3.8	7,600
1984	*			1984	1,800	3.6	6,500
1985	*			1985	1,000	4.0	4,000
1986	*			1986	1,000	3.5	3,500
1987	*			1987	1,000	3.6	3,600
1988	*			1988	700	3.0	2,100
1989	*			1989	1,000	3.0	3,000

See footnotes at end of table.

Continued--

OTHER HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 1/--continued

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
SANTA CRUZ				YAVAPAI			
1978	500	1.6	800	1978	2,500	1.8	4,400
1979	400	2.0	800	1979	2,300	2.0	4,600
1980	600	2.3	1,400	1980	2,000	2.9	5,800
1981	600	2.2	1,300	1981	2,200	2.2	4,800
1982	400	2.0	800	1982	2,000	2.0	4,000
1983	400	2.3	900	1983	2,200	3.0	6,600
1984	*			1984	2,500	3.0	7,500
1985	*			1985	2,500	2.0	5,000
1986	500	2.6	1,300	1986	3,000	2.1	6,200
1987	500	2.6	1,300	1987	2,600	2.5	6,500
1988	*			1988	2,200	2.3	5,000
1989	*			1989	2,200	2.5	5,500
YUMA 2/							
1978	6,500	2.9	19,000				
1979	6,100	2.8	17,000				
1980	7,000	3.3	23,000				
1981	7,900	3.7	29,200				
1982	5,000	3.2	16,000				
1983	2,500	4.9	12,300				
1984	3,200	4.5	14,400				
1985	3,400	4.7	16,000				
1986	4,500	4.8	21,800				
1987	8,600	5.3	45,300				
1988	7,000	5.3	37,100				
1989	12,500	4.9	61,000				

* 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.
2/ La Paz County created from Yuma County in 1983.

OTHER HAY: Acreage, yield, and production, Arizona 1978-89 1/

Year	Harvested	Yield per acre	Production
	Acres	Tons	Tons
1978	30,000	2.2	66,000
1979	30,000	2.3	69,000
1980	30,000	3.5	105,000
1981	30,000	3.2	96,000
1982	25,000	2.9	73,000
1983	25,000	3.9	98,000
1984	25,000	4.0	100,000
1985	22,000	3.6	79,000
1986	22,000	3.8	84,000
1987	30,000	4.5	135,000
1988	25,000	4.0	100,000
1989	35,000	4.0	140,000

1/ Does not include green chop or grazed.

ALFALFA HAY: Monthly prices received by growers, Arizona, 1977/78-1988/89 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Dollars per ton						
1977/78	74.50	71.50	71.50	70.00	64.00	55.00	50.00	60.50	65.50	63.00	63.00	65.00
1978/79	67.00	61.00	60.50	61.50	59.00	59.00	55.00	58.00	57.50	61.00	66.00	68.00
1979/80	75.00	80.00	81.00	80.00	76.00	82.50	80.00	89.00	90.00	93.00	100.00	95.00
1980/81	90.00	84.00	77.00	66.50	72.50	77.50	84.50	89.50	94.00	96.00	98.00	94.00
1981/82	88.00	79.00	71.00	71.00	62.00	63.00	69.00	75.00	75.00	79.00	78.00	76.00
1982/83	82.00	85.00	70.00	64.00	62.00	66.00	74.00	76.00	81.00	81.00	83.00	94.00
1983/84	98.00	101.00	91.00	82.00	77.00	80.00	95.00	92.00	99.00	102.00	102.00	97.00
1984/85	95.00	91.00	84.00	77.00	71.00	79.00	82.00	91.00	94.00	90.00	92.00	90.00
1985/86	90.00	80.00	79.00	72.00	73.00	69.00	79.00	78.00	76.00	80.00	83.00	78.00
1986/87	76.00	76.00	67.00	53.00	54.00	55.00	60.00	72.00	73.00	76.00	82.00	90.00
1987/88	87.00	83.00	85.00	68.00	63.00	72.00	72.00	78.00	88.00	95.00	87.00	97.00
1988/89	95.00	86.00	81.00	81.00	81.00	94.00	94.00	100.00	100.00	106.00	108.00	120.00

1/ Does not include green chop or grazed.

OTHER HAY: Monthly prices received by growers, Arizona, 1977/78-1988/89 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Dollars per ton						
1977/78	55.00	60.00	60.00	60.00	54.00	45.00	40.00	50.00	55.00	53.00	53.00	55.00
1978/79	57.00	54.00	53.50	54.50	52.00	52.00	48.00	51.00	50.50	54.00	59.00	61.00
1979/80	62.00	65.00	68.00	66.00	64.00	67.00	68.00	76.00	85.00	88.00	81.00	75.00
1980/81	64.00	66.00	55.00	52.50	58.00	62.50	65.50	57.50	47.00	78.00	80.00	56.00
1981/82	--	61.00	60.00	59.00	61.00	58.00	60.00	56.00	66.00	60.00	55.00	40.00
1982/83	61.00	--	--	51.00	52.00	53.00	55.00	48.00	49.00	58.00	61.00	61.00
1983/84	63.00	65.00	55.00	57.00	58.00	65.00	66.00	63.00	71.00	70.00	65.00	61.00
1984/85	75.00	75.00	62.00	63.00	63.00	59.00	68.00	64.00	59.00	56.00	57.00	50.00
1985/86	65.00	63.00	--	55.00	55.00	55.00	--	65.00	--	65.00	70.00	--
1986/87	--	--	--	--	--	45.00	--	43.00	56.00	50.00	60.00	--
1987/88	54.00	--	51.00	56.00	57.00	54.00	54.00	40.00	52.00	66.00	57.00	--
1988/89	--	--	66.00	70.00	70.00	82.00	80.00	80.00	80.00	75.00	80.00	103.00

1/ Does not include green chop or grazed.

ALL HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 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			
1978	5,100	2.2	11,200	1978	10,500	5.8	60,400
1979	4,700	2.0	9,300	1979	9,400	5.7	53,500
1980	4,600	2.4	11,100	1980	10,800	6.0	64,300
1981	4,800	2.8	13,200	1981	11,500	6.3	71,900
1982	5,400	3.3	18,000	1982	11,800	6.2	73,500
1983	5,300	3.3	17,300	1983	9,000	6.3	56,800
1984	5,500	3.6	19,600	1984	8,400	5.7	48,200
1985	5,500	3.5	19,500	1985	8,600	5.7	48,700
1986	4,000	3.7	14,600	1986	7,900	5.3	41,600
1987	4,300	3.5	15,000	1987	8,300	4.7	38,900
1988	4,700	4.1	19,500	1988	7,700	5.3	41,000
1989	4,200	3.0	12,800	1989	7,300	5.2	38,100
COCONINO				GILA			
1978	900	3.2	2,900	1978	1,000	1.8	1,800
1979	900	3.1	2,800	1979	800	2.3	1,800
1980	1,300	3.5	4,600	1980	700	2.4	1,700
1981	1,100	3.7	4,100	1981	600	2.5	1,500
1982	900	3.6	3,200	1982	500	2.4	1,200
1983	900	3.8	3,400	1983	500	2.8	1,400
1984	1,000	4.1	4,100	1984	*		
1985	1,000	4.0	4,000	1985	*		
1986	1,000	3.7	3,700	1986	*		
1987	1,000	3.6	3,600	1987	*		
1988	800	3.4	2,700	1988	*		
1989	*			1989	*		
GRAHAM				GREENLEE			
1978	7,500	5.8	43,800	1978	2,100	4.8	10,100
1979	7,500	5.3	40,100	1979	1,500	4.0	6,000
1980	8,500	5.9	50,300	1980	1,000	5.5	5,500
1981	6,900	5.8	40,100	1981	1,100	5.2	5,700
1982	5,900	5.5	32,300	1982	1,200	5.5	6,600
1983	5,500	6.2	34,000	1983	1,100	5.5	6,000
1984	6,500	5.9	38,600	1984	*		
1985	*			1985	*		
1986	5,900	5.8	34,400	1986	*		
1987	6,200	5.6	34,700	1987	*		
1988	5,200	5.3	27,500	1988	*		
1989	4,300	5.2	22,400	1989	700	3.9	2,700

See footnotes at end of table.

Continued--

ALL HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 1/--continued

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
LA PAZ 2/				MARICOPA			
				1978	69,000	5.8	399,300
				1979	66,200	5.9	389,600
				1980	64,000	7.0	446,000
				1981	59,400	6.9	412,300
				1982	59,500	7.2	428,300
1983	28,000	7.1	198,900	1983	53,500	7.5	402,000
1984	27,000	7.5	202,900	1984	47,000	7.3	342,000
1985	28,700	7.2	207,800	1985	46,500	7.3	338,300
1986	33,000	8.0	263,400	1986	53,000	7.4	392,500
1987	46,000	7.8	358,000	1987	54,300	7.8	421,200
1988	41,400	7.7	320,500	1988	51,400	7.7	396,500
1989	41,700	7.3	305,000	1989	52,600	7.2	379,000
MOHAVE				NAVAJO			
1978	3,800	6.2	23,500	1978	6,200	2.7	16,800
1979	3,500	6.3	22,000	1979	6,400	2.7	17,000
1980	3,700	6.2	23,000	1980	6,500	3.2	20,900
1981	5,000	5.8	29,200	1981	6,400	2.9	18,800
1982	6,000	6.6	39,500	1982	6,300	3.0	18,700
1983	6,500	6.4	41,300	1983	5,800	3.1	17,700
1984	6,600	6.1	40,300	1984	5,600	3.3	18,500
1985	6,100	5.3	32,400	1985	4,100	2.9	11,800
1986	3,800	5.0	18,900	1986	*		
1987	3,900	4.3	16,800	1987	3,600	3.6	12,900
1988	4,700	6.0	28,100	1988	*		
1989	7,300	7.8	56,900	1989	*		
PIMA				PINAL			
1978	2,400	5.0	12,000	1978	17,000	4.9	84,000
1979	2,400	5.3	12,600	1979	16,500	5.6	92,700
1980	2,500	5.2	13,000	1980	18,000	5.9	106,500
1981	2,300	5.3	12,300	1981	16,000	6.0	95,500
1982	2,400	5.5	13,200	1982	14,900	6.3	93,900
1983	2,500	5.8	14,600	1983	13,700	6.0	81,600
1984	*			1984	12,800	5.9	75,500
1985	*			1985	12,500	6.6	82,000
1986	*			1986	12,000	7.2	86,000
1987	*			1987	12,400	7.7	95,200
1988	*			1988	12,300	7.6	93,600
1989	*			1989	12,100	7.7	93,000

See footnotes at end of table.

Continued--

ALL HAY: Acreage, yield, and production, Arizona, by counties, 1978-89 1/--continued

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Tons	Tons		Acres	Tons	Tons
SANTA CRUZ				YAVAPAI			
1978	1,500	3.9	5,800	1978	4,500	2.8	12,400
1979	1,600	5.0	8,000	1979	4,500	3.5	15,600
1980	1,900	4.1	7,800	1980	4,500	3.6	16,300
1981	2,000	4.1	8,200	1981	4,700	3.3	15,700
1982	1,600	4.9	7,800	1982	4,300	3.3	14,400
1983	1,500	4.9	7,300	1983	4,200	3.6	15,100
1984	*			1984	5,300	3.6	19,200
1985	*			1985	6,500	3.2	21,000
1986	1,000	4.0	4,000	1986	7,000	3.1	21,800
1987	1,000	4.2	4,200	1987	6,700	3.6	24,400
1988	*			1988	5,100	3.1	16,000
1989	*			1989	4,700	3.4	16,000
YUMA 2/							
1978	68,500	6.6	453,000				
1979	64,100	6.6	422,000				
1980	67,000	7.3	489,000				
1981	68,200	7.1	487,500				
1982	64,300	7.6	490,400				
1983	32,000	8.1	259,600				
1984	34,800	7.9	273,800				
1985	38,400	7.6	292,000				
1986	43,000	8.4	359,900				
1987	40,300	8.6	348,200				
1988	39,600	8.7	346,100				
1989	43,600	7.5	328,000				

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations for alfalfa or other hay.
1/ Does not include green chop or grazed.
2/ La Paz County created from Yuma County in 1983.

ALL HAY: Acreage, yield, production, price, and value, Arizona, 1978-89 1/

Year	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	Acres	Tons	Tons	Dol. per ton	1,000 dol.
1978	200,000	5.69	1,137,000	60.50	68,789
1979	190,000	5.75	1,093,000	81.00	88,533
1980	195,000	6.46	1,260,000	82.50	103,950
1981	190,000	6.40	1,216,000	74.00	89,984
1982	185,000	6.71	1,241,000	73.50	91,214
1983	170,000	6.81	1,157,000	93.00	107,601
1984	165,000	6.72	1,108,000	84.50	93,626
1985	167,000	6.64	1,109,000	79.50	88,166
1986	177,000	7.13	1,262,000	70.50	88,971
1987	190,000	7.28	1,383,000	81.50	112,715
1988	180,000	7.36	1,325,000	89.50	118,588
1989	185,000	6.92	1,280,000	96.50	123,520

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

ALL HAY: Farm marketings, Arizona, 1977/78-1988/89

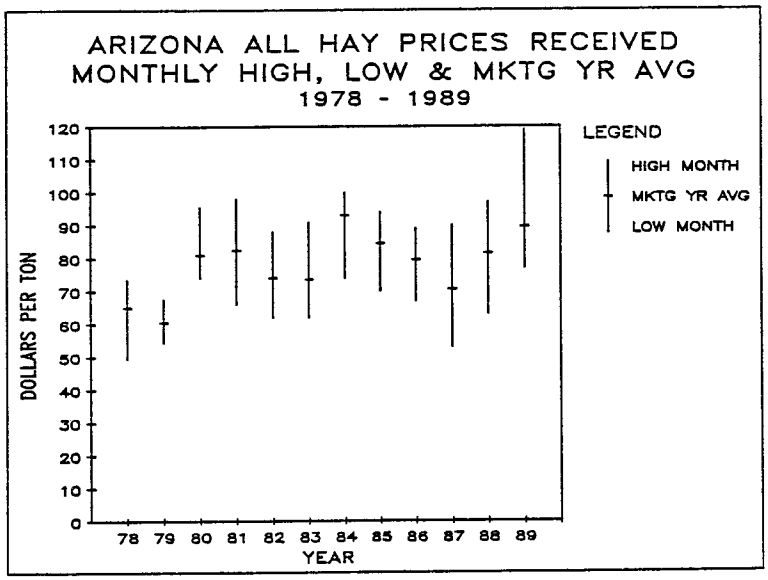
Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Percent						
1977/78 1/												
1978/79	10	14	14	13	12	8	8	8	3	3	3	4
1979/80	10	12	13	14	12	8	9	7	5	4	3	3
1980/81	5	8	9	12	12	10	11	8	6	5	7	7
1981/82	11	15	6	10	10	7	10	6	8	5	6	6
1982/83	8	12	16	13	10	10	6	6	4	5	5	5
1983/84	14	15	11	4	4	8	6	6	6	6	8	12
1984/85	13	18	7	6	8	10	10	5	6	5	6	6
1985/86	15	20	6	4	5	5	10	6	9	7	6	7
1986/87	12	18	6	9	5	6	8	10	5	5	8	8
1987/88	14	16	8	9	6	6	6	4	6	5	5	15
1988/89	15	15	10	13	10	7	6	7	3	2	3	9

1/ Not available.

ALL HAY: Monthly and marketing year average prices received by growers, Arizona, 1977/78-1988/89 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
						Dollars per ton							
1977/78	73.50	71.00	71.00	69.50	63.50	54.50	49.50	60.00	64.50	62.50	62.50	64.50	65.00
1978/79	66.50	60.50	60.00	61.00	58.50	58.50	54.50	57.50	57.00	60.50	65.50	67.50	60.50
1979/80	74.00	79.00	80.00	79.00	75.50	81.50	79.50	88.00	90.00	92.00	95.50	90.50	81.00
1980/81	88.00	83.00	76.50	66.00	72.00	77.50	84.50	88.50	92.00	95.00	98.00	93.00	82.50
1981/82	88.00	79.00	71.00	70.00	62.00	63.00	69.00	74.00	75.00	79.00	78.00	76.00	74.00
1982/83	80.00	85.00	70.00	64.00	62.00	66.00	73.00	74.00	77.00	78.00	82.00	91.00	73.50
1983/84	96.00	100.00	91.00	78.00	74.00	78.00	92.00	90.00	97.00	100.00	99.00	95.00	93.00
1984/85	94.00	90.00	81.00	74.00	70.00	77.00	81.00	85.00	87.00	89.00	90.00	89.00	84.50
1985/86	89.00	80.00	79.00	72.00	73.00	67.00	79.00	78.00	76.00	80.00	82.00	78.00	79.50
1986/87	76.00	76.00	67.00	53.00	54.00	55.00	62.00	69.00	72.00	74.00	81.00	90.00	70.50
1987/88	86.00	83.00	84.00	65.00	63.00	68.00	69.00	73.00	84.00	93.00	86.00	97.00	81.50
1988/89	95.00	86.00	78.00	77.00	78.00	89.00	90.00	89.00	96.00	103.00	106.00	119.00	89.50

1/ Does not include green chop or grazed.



OFF FARM GRAIN STOCKS: Arizona, 1978-1990 1/

Month	1978	1979	1980	1981	1982	1983	1984
				Tons 2/			
				Wheat			
January 1	66,120	37,200	21,450	48,840	68,310	45,270	50,490
March 1							
April 1	20,460	14,610	5,250	23,940	12,330	32,700	47,940
June 1 3/	8,550	7,920	2,460	6,180	8,370	13,620	*
September 1							
October 1	107,310	43,800	124,830	154,500	111,360	103,500	127,500
December 1							
				Corn			
January 1	49,450	53,480	45,440	59,610	54,210	96,040	46,200
March 1							
April 1	*	39,960	25,900	33,910	38,000	95,060	23,800
June 1	15,570	26,990	17,420	20,970	33,940	75,490	11,900
September 1 3/							
October 1	*	*	*	8,990	*	*	3,920
December 1							
				Barley			
January 1	52,010	15,170	15,000	18,020	24,550	23,540	34,420
March 1							
April 1	14,400	8,810	10,220	10,030	9,140	16,180	17,980
June 1 3/	1,920	3,700	3,260	4,680	5,280	4,940	*
September 1							
October 1	25,990	26,540	41,620	50,160	40,390	66,000	28,800
December 1							
				Sorghum			
January 1	69,240	136,640	100,490	73,250	98,810	50,120	86,410
March 1							
April 1	64,620	60,060	88,900	73,330	73,390	61,320	103,600
June 1	52,020	59,360	36,740	27,890	36,460	7,450	79,800
September 1 3/							
October 1	32,340	*	24,500	24,020	20,970	65,800	15,400
December 1							

See footnotes at end of table. Continued--

GRAIN STOCKS: Off farm storage facilities, Arizona, January 1978-1986, December 1986-1989

Item	Unit	January 1978	January 1979	January 1980	January 1981	January 1982	January 1983	January 1984
Facilities 1/	Number	76	74	74	31	32	34	37
Storage Capacity	Tons	858,250	875,250	875,250	765,500	618,750	706,500	749,500

See footnotes at end of table. Continued--

ON FARM HAY STOCKS: Arizona, 1978-90

Month	1978	1979	1980	1981	1982	1983	1984
				Tons			
May 1 1/	168,000	80,000	77,000	25,000	109,000	19,000	12,000
January 1	361,000	273,000	164,000	365,000	207,000	137,000	116,000

See footnotes at end of table. Continued--

OFF FARM GRAIN STOCKS: Arizona, 1978-1990 1/--continued

Month	1985	1986	1987	1988	1989	1990
			Tons 2/			
			Wheat			
January 1	95,490	76,770				
March 1			61,650	31,080	41,700	43,620
April 1	58,230	38,520				
June 1 3/	21,660	10,530	25,530	11,700	17,940	
September 1		125,070	61,920	83,430	50,730	
October 1	102,390					
December 1		93,180	40,080	56,220	50,250	
			Corn			
January 1	30,320	19,800				
March 1			43,510	36,710	20,720	21,420
April 1	12,150	10,250				
June 1	6,270	6,330	25,930	27,750	16,860	
September 1 3/		1,880	27,020	16,940	*	
October 1	1,150					
December 1		45,500	52,640	33,910	22,510	
			Barley			
January 1	19,490	19,580				
March 1					11,740	3,410
April 1	8,540					
June 1 3/	4,130	2,450	3,890	*	2,540	
September 1				10,200	8,040	
October 1	29,520					
December 1				14,230	5,040	
			Sorghum			
January 1	111,520	123,060				
March 1						105,500
April 1	82,940					
June 1	55,780	93,720	189,170	125,330	93,100	
September 1 3/		78,880	242,200	120,850	67,480	
October 1	17,560					
December 1						

* 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, Arizona, January 1978-1986, December 1986-1989--continued

Item	Unit	January 1985	January 1986	December 1986	December 1987	December 1988	December 1989
Facilities 1/	Number	37	38	37	34	36	39
Storage Capacity	Tons	824,000	780,000	782,750	787,500	752,250	757,250

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

ON FARM HAY STOCKS: Arizona, 1978-90--continued

Month	1985	1986	1987	1988	1989	1990
			Tons			
May 1 1/	66,000	55,000	25,000	41,000	27,000	26,000
January 1	111,000	177,000				
December 1		290,000	263,000	133,000	115,000	

1/ Includes old crop only.

OTHER FIELD CROPS: Acreage, production, and value, Arizona 1978-89

Crop	Year	Harvested	Unit	Production	Value of production
		Acres		1,000	1,000 dol.
DRY BEANS	1978	1,350	Lb.	1,044	262
	1979	2,225		1,775	444
	1980	1/			
	1981	9,510		5,231	2,877
	1982	8,182		4,500	2,025
	1983	900		750	151
	1984	1,800		1,450	305
	1985	900		620	99
	1986	1/			
	1987	1/			
	1988	1,500		3,750	1,316
	1989	1,750		4,375	1,553
JOJOBA	1981	8,100	Lb.	0	
	1982	2/			
	1983	1,000		30	425
	1984	2,250		126	675
	1985	250		11	17
	1986	8,500		1,000	1,250
	1987	9,000		900	1,260
	1988	13,000		2,300	5,175
	1989	9,000		1,503	3,006
OATS FOR GRAIN	1984	500	Lb.	3,000	205
	1985	425		1,900	102
	1986	650		2,600	137
	1987	750		3,180	215
	1988	1,060		4,650	464
	1989	2,500		8,750	525
PEANUTS	1981	450	Lb.	1,100	218
	1982	500		1,500	200
	1983	680		1,940	505
	1984	3,000		7,734	1,934
	1985	3,500		8,313	1,255
	1986	730		1,680	510
	1987	714		1,428	343
	1988	772		924	536
	1989	625		900	519
POPCORN	1984	1,000	Lb.	6,500	715
	1985	1,200		6,000	600
	1986	800		4,320	346
	1987	200		800	104
	1988	200		800	104
	1989	200		800	80

See footnotes at end of table.

Continued--

OTHER FIELD CROPS: Acreage, production, and value, Arizona 1978-89--continued

Crop	Year	Harvested	Unit	Production	Value of production
		Acres		1,000	1,000 dol.
SAFFLOWER	1978	6,000	Ton	7.5	1,725
	1979	11,200		10.7	2,622
	1980	3,700		3.7	986
	1981	1,500		1.7	518
	1982	4,600		5.7	1,568
	1983	3,600		3.6	850
	1984	6,100		11.0	1,647
	1985	0			
	1986	2,500		2.5	563
	1987	2,500		2.5	450
	1988	750		.9	176
	1989	700		.7	217
SESAME	1982	3,500	Lb.	1,750	875
	1983	5,500		3,575	1,072
	1984	5,000		6,250	1,813
	1985	8,000		9,200	2,392
	1986	8,000		9,600	2,016
	1987	2,000		2,400	480
	1988	0			
	1989	1,400		2,100	525
SUGARBEETS	1978	15,000	Ton	308	7,700
	1979	11,300		217	6,054
	1980	9,100		208	11,086
	1981	12,600		300	10,110
	1982	12,800		298	10,341
	1983	0			
	1984	0			
	1985	0			
	1986	0			
	1987	0			
	1988	0			
	1989	0			

1/ Not available.

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

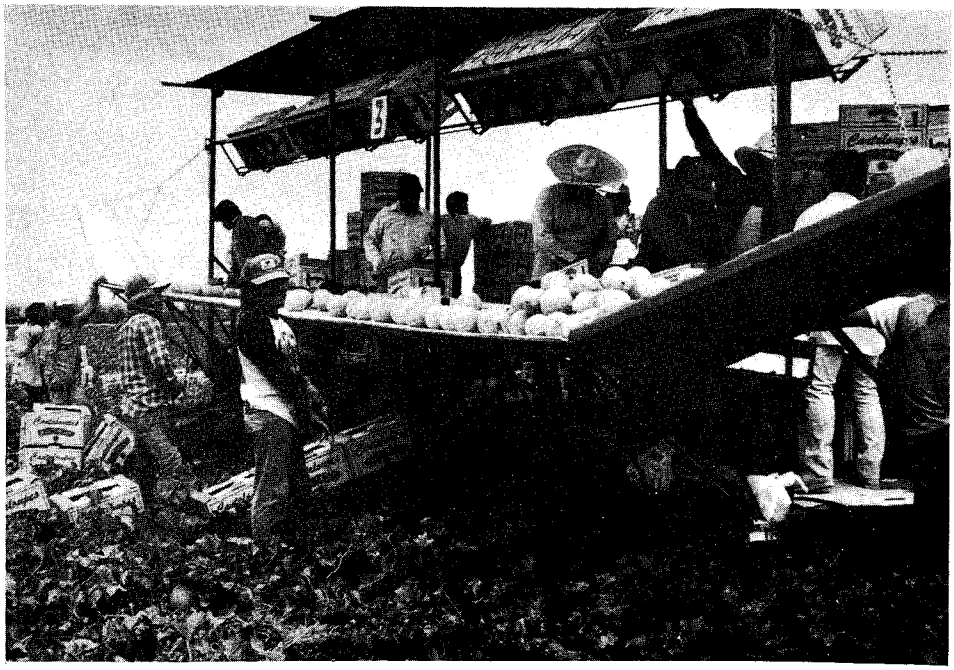
VEGETABLES, MELONS, AND POTATOES

The seasons for commercial vegetable crops in Arizona vary by crop. The summaries for western lettuce, carrots, broccoli, and cauliflower reflect the 1988/89 growing season while other vegetable crops included in this summary represent the 1989 season. Production for the principal vegetables, potato, and melon crops totaled 20,319,000 hundredweight, 3 percent above 1988. The production area of 86,700 harvested acres in 1989 includes lettuce, carrots, broccoli, potatoes, dry onions, watermelons, cantaloups, honeydews, and cauliflower. For the fresh market vegetables covered by the Agricultural Statistics Board, Arizona ranked third nationally in area harvested, total production, and total value of production. California and Florida ranked first and second, respectively.

Iceburg lettuce, the leader among the fresh market crops, accounted for over 59 percent of the total value of production for all vegetables in 1989. Head lettuce acreage has increased from 38,500 acres harvested in 1978 to the present estimate of 50,200 acres for the 1989 crop year. Melons, primarily cantaloups, watermelons, and honeydews, are second to lettuce in production and total value. In 1989, Arizona produced almost 3.7 million hundredweight of melons from nearly 16,100 acres with a value of $27.4 million. This compares to 2.4 million hundredweight of melons harvested in 1978 from 15,320 acres. In 1978, the melon crops were valued at $23.9 million. Acres of potatoes, both fresh and processing varieties, have remained fairly constant over the last several years. In 1989 Arizona grew 5,800 acres of potatoes compared to 6,000 acres grown in 1978. The 1989 crop yielded 31,500 pounds per harvested acre, the highest yield ever since Arizona started estimating potatoes nearly 100 years ago. Nationally, the state ranked second in lettuce, cauliflower, and broccoli production and third in honeydews.

The total value of vegetable production for Arizona in 1989 decreased 30 percent from previous year's level of over $455 million. This decreased value can be primarily attributed to the 59 percent decrease in value of production for western lettuce. The 1988 winter lettuce crops in the western areas of Arizona were affected significantly by whitefly infestations and poor planting conditions resulting in lower yields per acre and higher prices. Western lettuce prices peaked in November 1988 with an average price of $51.20 per hundredweight. This compares to $15.00 per hundredweight in November 1989.

Value of "miscellaneous" vegetables was estimated at over $46 million in 1989, nearly 15 percent of the value of all vegetables produced in Arizona. The most significant among these were Boston, romaine, and leaf lettuce, greens, field tomatoes, cabbage and asparagus.



WESTERN LETTUCE: Acreage, yield, and production, Arizona, by counties, 1977/78-1988/89

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.
LA PAZ 1/				YUMA 1/			
				1977/78	23,700	222	5,261
				1978/79	29,400	225	6,615
				1979/80	31,100	230	7,153
				1980/81	24,900	295	7,346
				1981/82	22,900	327	7,487
1982/83	2,900	345	1,000	1982/83	26,100	303	7,900
1983/84	4,200	268	1,124	1983/84	25,900	288	7,455
1984/85	4,800	241	1,157	1984/85	31,800	297	9,457
1985/86	800	250	200	1985/86	31,300	281	8,788
1986/87	1,000	240	240	1986/87	34,200	333	11,376
1987/88	700	271	190	1987/88	41,300	285	11,780
1988/89	2,500	193	483	1988/89	42,000	269	11,310

1/ La Paz County created from Yuma County in 1983.

WESTERN LETTUCE: Acreage, yield, production, price, and value, Arizona, 1977/78-1988/89

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1977/78	23,700	23,700	222	5,261	9.73	51,190
1978/79	29,400	29,400	225	6,615	12.40	82,026
1979/80	31,100	31,100	230	7,153	7.82	55,936
1980/81	24,900	24,900	295	7,346	9.29	68,244
1981/82	22,900	22,900	327	7,487	16.70	124,867
1982/83	29,000	29,000	307	8,900	9.23	82,114
1983/84	30,100	30,100	285	8,579	10.20	87,506
1984/85	36,600	36,600	290	10,614	8.72	92,554
1985/86	32,100	32,100	280	8,988	11.80	106,058
1986/87	35,200	35,200	330	11,616	11.50	133,584
1987/88	42,000	42,000	285	11,970	25.40	304,038
1988/89	44,500	44,500	265	11,793	15.20	179,254

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

WESTERN LETTUCE: Monthly and season average prices received by growers, Arizona, 1977/78-1988/89

Crop year	November	December	January	February	March	April	Season average
				Dollars per cwt.			
1977/78 1/							9.73
1978/79 1/							12.40
1979/80			6.14	7.11	9.65	17.10	7.82
1980/81	12.00	7.75	8.80	8.69	10.30	8.70	9.29
1981/82	13.60	20.80	28.10	10.80	12.70	23.60	16.70
1982/83	15.20	11.60	8.44	6.42	7.42	11.10	9.23
1983/84	15.20	14.10	7.61	8.93	8.37	5.96	10.20
1984/85	5.99	8.72	13.90	7.70	7.74	6.35	8.72
1985/86	14.00	27.10	8.63	7.20	8.23	--	11.80
1986/87	10.70	10.40	14.40	7.76	14.70	6.93	11.50
1987/88	51.20	36.60	37.20	10.20	13.10	6.00	25.40
1988/89	15.00	18.40	18.60	13.40	11.50	9.81	15.20

1/ Monthly prices not available prior to 1980.

OTHER LETTUCE, SPRING: Acreage, yield, and production, Arizona, by counties, 1978-89 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			
1978	650	231	150	1978	2,550	262	668
1979	2,000	106	211	1979	3,100	222	689
1980	820	222	182	1980	2,160	344	744
1981	720	322	232	1981	2,830	313	886
1982	1,050	369	387	1982	2,800	419	1,172
1983	1,120	339	380	1983	3,280	309	1,014
1984	820	216	177	1984	1,910	406	776
1985	1,200	135	162	1985	3,310	181	598
1986	1,050	210	221	1986	1,800	299	539
1987	940	183	172	1987	1,000	279	279
1988	1,000	240	240	1988	900	269	242
1989	630	211	133	1989	1,000	166	166
PIMA				PINAL			
1978	1,650	279	460	1978	2,450	281	688
1979	1,400	235	329	1979	2,000	239	477
1980	530	313	166	1980	790	305	241
1981	500	354	177	1981	750	353	265
1982	350	383	134	1982	500	422	211
1983	430	281	121	1983	870	286	249
1984	400	270	108	1984	570	281	160
1985	2/			1985	390	187	73
1986	450	220	99	1986	200	275	55
1987	560	239	134	1987	600	110	66
1988	500	176	88	1988	600	142	85
1989	450	216	97	1989	420	129	54

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Pima County acres and production included with Pinal County to avoid disclosure of individual operations.

OTHER LETTUCE, SPRING: Acreage, yield, production, price, and value, Arizona, 1978-89 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	7,300	7,300	269	1,966	15.50	30,470
1979	8,500	8,500	201	1,706	11.30	19,243
1980	4,300	4,300	310	1,333	14.40	19,195
1981	4,800	4,800	325	1,560	9.63	15,023
1982	4,700	4,700	405	1,904	14.30	27,227
1983	5,700	5,700	309	1,764	13.00	22,860
1984	7,300	3,700	330	1,221	6.30	7,698
1985	5,400	4,900	170	833	6.94	5,785
1986	3,500	3,500	261	914	13.80	12,657
1987	3,100	3,100	210	651	8.49	5,525
1988	3,000	3,000	218	655	7.49	4,905
1989	2,500	2,500	180	450	9.83	4,425

1/ "Other lettuce" 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.

OTHER LETTUCE, FALL: Acreage, yield, and production, Arizona, by counties, 1977/78-1989/90 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			
1977/78	1,200	229	275	1977/78	3,100	197	610
1978/79	1,550	261	404	1978/79	3,300	117	385
1979/80	1,450	248	360	1979/80	2,600	169	439
1980/81	1,160	219	254	1980/81	2,290	238	544
1981/82	890	210	187	1981/82	1,990	204	405
1982/83	1,000	260	260	1982/83	2,650	285	755
1983/84	1,340	209	280	1983/84	2,380	206	490
1984/85	1,170	168	197	1984/85	2,160	224	484
1985/86	1,500	241	362	1985/86	1,600	195	312
1986/87	1,000	235	235	1986/87	1,000	237	237
1987/88	1,030	330	340	1987/88	1,100	218	240
1988/89	1,300	219	285	1988/89	1,700	215	365
1989/90	1,400	173	242	1989/90	1,000	169	169
PIMA				PINAL			
1977/78	1,400	175	245	1977/78	2,150	172	370
1978/79	1,050	93	98	1978/79	1,600	94	151
1979/80	250	196	49	1979/80	400	208	83
1980/81	220	227	50	1980/81	330	218	72
1981/82	250	232	58	1981/82	370	230	85
1982/83	300	240	72	1982/83	750	212	159
1983/84	300	210	63	1983/84	580	229	133
1984/85	190	153	29	1984/85	680	181	123
1985/86	420	210	88	1985/86	280	207	58
1986/87	600	195	117	1986/87	200	205	41
1987/88	470	232	109	1987/88	2/		
1988/89	450	244	110	1988/89	550	291	160
1989/90	500	200	100	1989/90	300	217	65

1/ "Other lettuce" refers to lettuce produced in all areas of the State except Yuma and La Paz counties.
2/ Pinal County acres and production included with Maricopa County to avoid disclosure of individual operations.

OTHER LETTUCE, FALL: Acreage, yield, production, price, and value, Arizona, 1977/78-1989/90 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1977/78	7,850	7,850	191	1,500	3/	
1978/79	7,500	7,500	138	1,038	13.39	13,899
1979/80	4,700	4,700	198	931	8.97	8,351
1980/81	4,000	4,000	230	920	11.30	10,396
1981/82	3,500	3,500	210	735	12.60	9,261
1982/83	4,700	4,700	265	1,246	12.30	15,326
1983/84	4,600	4,600	210	966	14.80	14,268
1984/85	4,500	4,200	198	833	13.30	11,096
1985/86	3,800	3,800	216	820	14.10	11,572
1986/87	3,000	2,800	225	630	10.30	6,489
1987/88	2,600	2,600	265	689	30.10	20,739
1988/89	4,000	4,000	230	920	13.50	12,420
1989/90	3,200	3,200	180	576	11.20	6,451

1/ "Other lettuce" 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.
3/ Not available.

ALL OTHER LETTUCE: Acreage, yield, production, price, and value, Arizona, 1977/78-1989/90 1/

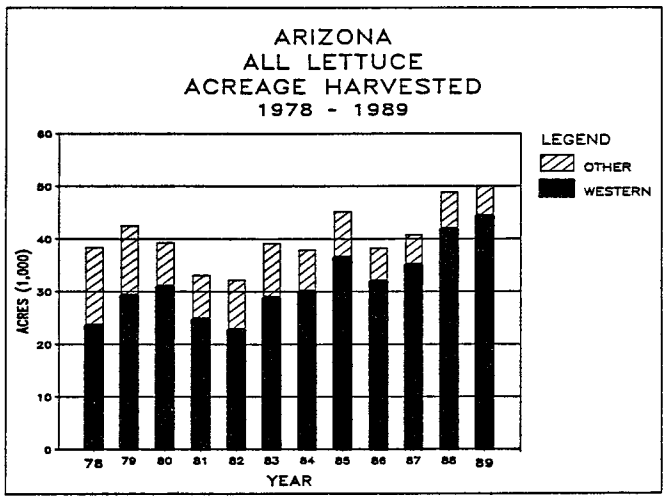
Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1977/78	16,000	16,000	217	3,465	8.22	28,482
1978/79	14,800	14,800	203	3,004	14.80	44,369
1979/80	13,200	13,200	200	2,637	10.50	27,594
1980/81	8,300	8,300	271	2,253	13.10	29,591
1981/82	8,300	8,300	277	2,295	10.60	24,284
1982/83	9,400	9,400	335	3,150	13.50	42,553
1983/84	10,300	10,300	265	2,730	13.60	37,128
1984/85	11,800	7,900	260	2,054	9.15	18,794
1985/86	9,200	8,700	190	1,653	10.50	17,357
1986/87	6,500	6,300	245	1,544	12.40	19,146
1987/88	5,700	5,700	235	1,340	19.60	26,264
1988/89	7,000	7,000	225	1,575	11.00	17,325
1989/90	5,700	5,700	180	1,026	10.60	10,876

1/ "Other lettuce" 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 September through January marketing seasons.

ALL OTHER LETTUCE: Monthly and season average prices received by growers, Arizona, 1977/78-1989/90

Crop year	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Season average
	Dollars per cwt.												
1977/78 1/													8.22
1978/79 1/													14.80
1979/80 1/													10.50
1980/81	17.60	14.70	11.90	7.40	--	--	--	9.62	13.20	8.01	--	--	13.10
1981/82	11.40	8.15	13.70	8.90	--	--	--	8.83	10.00	18.90	--	--	10.60
1982/83	20.20	14.40	10.90	10.10	--	--	--	9.48	14.60	11.80	--	--	13.50
1983/84	7.78	12.10	12.90	17.50	--	--	--	16.10	15.00	13.30	8.04	11.20	13.60
1984/85	6.57	5.96	6.36	7.45	--	--	--	22.60	7.50	8.08	15.30	--	9.15
1985/86	6.67	6.98	7.95	5.85	--	--	--	8.03	11.70	22.80	15.90	--	10.50
1986/87	14.80	15.50	11.30	8.00	--	--	11.00	7.68	12.30	10.80	13.20	--	12.40
1987/88	15.60	6.54	6.46	7.23	--	--	--	13.30	45.20	42.10	37.40	--	19.70
1988/89	6.49	7.06	6.20	9.54	--	--	--	10.50	13.00	20.10	--	--	11.00
1989/90	12.70	9.31	7.28	11.10	--	--	--	13.60	11.20	6.01	--	--	11.00

1/ Monthly prices not available prior to 1980.



CARROTS: Acreage, yield, and production, Arizona, by counties, 1977/78-1988/89

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			
1977/78	*			1977/78	1,800	129	232
1978/79	0			1978/79	2,000	121	241
1979/80	1/			1979/80	1,800	137	247
1980/81	0			1980/81	1,630	137	223
1981/82	200	160	32	1981/82	2,400	173	416
1982/83	420	155	65	1982/83	2,700	176	474
1983/84	*			1983/84	2,500	132	329
1984/85	0			1984/85	2,400	165	396
1985/86	0			1985/86	2,400	165	396
1986/87	0			1986/87	2,000	200	400
1987/88	0			1987/88	1,900	125	238
1988/89	0			1988/89	1,400	170	238
PINAL				YAVAPAI			
1977/78	*			1977/78	*		
1978/79	0			1978/79	0		
1979/80	100	130	13	1979/80	100	150	15
1980/81	270	130	35	1980/81	0		
1981/82	*			1981/82	*		
1982/83	*			1982/83	*		
1983/84	*			1983/84	0		
1984/85	0			1984/85	0		
1985/86	0			1985/86	0		
1986/87	0			1986/87	0		
1987/88	2/			1987/87	0		
1988/89	0			1988/89	0		

* Acres harvested not published to avoid disclosure of individual operations.
1/ Cochise County acres and production included with Maricopa County to avoid disclosure of individual operations.
2/ Pinal County acres and production included with Maricopa County to avoid disclosure of individual operations.

CARROTS: Acreage, yield, production, price, and value, Arizona, 1977/78-1988/89

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1977/78	2,000	2,000	128	255	9.24	2,355
1978/79	2,000	2,000	121	241	10.80	2,605
1979/80	2,000	2,000	138	275	8.13	2,235
1980/81	1,900	1,900	136	258	13.20	3,407
1981/82	2,650	2,650	169	449	12.80	5,743
1982/83	3,170	3,170	174	550	9.88	5,435
1983/84	3,000	2,900	130	377	14.80	5,580
1984/85	2,400	2,400	165	396	9.45	3,742
1985/86	2,400	2,400	165	396	10.90	4,316
1986/87	2,000	2,000	200	400	10.50	4,200
1987/88	1,900	1,900	125	238	10.20	2,428
1988/89	1,400	1,400	170	238	15.70	3,737

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

DRY ONIONS: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ 1/			
1978	0						
1979	0						
1980	0						
1981	0						
1982	*						
1983	200	230	46	1983	0		
1984	220	200	44	1984	280	179	50
1985	*			1985	*		
1986	2/			1986	0		
1987	2/			1987	0		
1988	2/			1988	0		
1989	2/			1989	0		
MARICOPA				PINAL			
1978	800	420	336	1978	150	413	62
1979	950	427	406	1979	0		
1980	900	470	423	1980	150	433	65
1981	1,000	489	489	1981	0		
1982	1,300	525	683	1982	*		
1983	1,350	435	587	1983	*		
1984	1,700	400	680	1984	*		
1985	1,100	480	528	1985	0		
1986	1,200	550	660	1986	0		
1987	1,300	450	585	1987	0		
1988	1,200	375	450	1988	0		
1989	1,000	440	440	1989	0		
YUMA 1/							
1978	850	400	340				
1979	650	200	130				
1980	350	386	135				
1981	100	230	23				
1982	200	490	98				
1983	*						
1984	*						
1985	0						
1986	0						
1987	0						
1988	0						
1989	0						

* Acres harvested not published to avoid disclosure of individual operations.
1/ La Paz County created from Yuma County in 1983.
2/ Cochise County acres and production included with Maricopa County to avoid disclosure of individual operations.

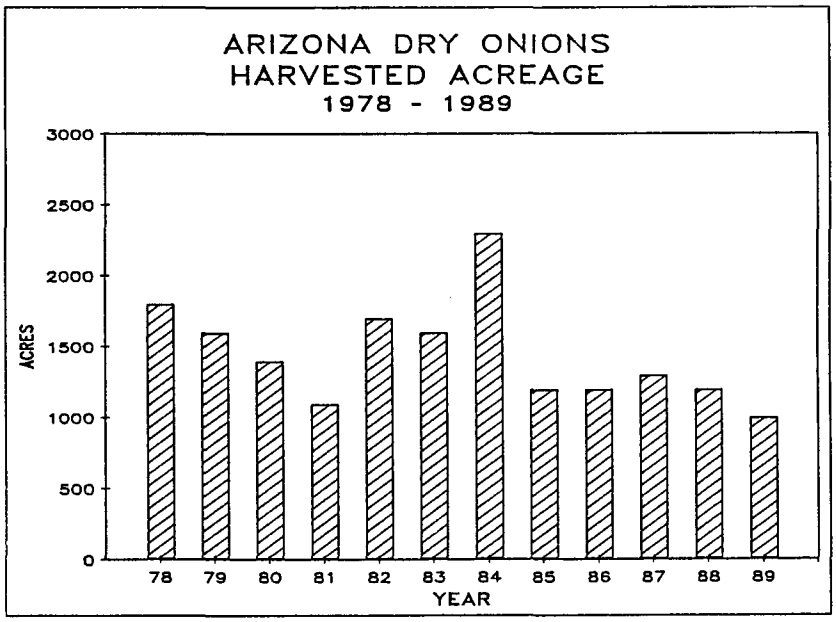
DRY ONIONS: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	2,100	1,800	410	738	5.11	3,772
1979	1,600	1,600	335	536	8.99	4,816
1980	1,400	1,400	445	623	9.43	5,874
1981	1,100	1,100	465	512	17.00	8,704
1982	1,700	1,700	515	876	7.88	6,899
1983	1,700	1,600	410	656	8.06	5,287
1984	2,400	2,300	350	805	9.15	7,366
1985	1,200	1,200	470	564	9.55	5,386
1986	1,200	1,200	550	660	8.78	5,795
1987	1,300	1,300	450	585	20.50	11,993
1988	1,200	1,200	375	450	7.55	3,398
1989	1,000	1,000	440	440	8.90	3,916

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

DRY ONIONS: Monthly and season average prices received by growers, Arizona, 1978-89

Year	April	May	June	July	Season average
			Dollars per cwt.		
1978	--	5.70	6.40	--	5.11
1979	--	7.30	12.40	--	8.99
1980	--	12.10	9.10	--	9.43
1981	--	17.30	15.60	--	17.00
1982	--	8.80	7.60	--	7.88
1983	--	8.02	7.71	10.20	8.06
1984	14.40	9.54	8.57	--	9.15
1985	--	8.91	8.90	21.80	9.55
1986	--	7.98	11.80	--	8.78
1987	--	21.70	18.00	20.80	20.50
1988	--	7.23	7.72	10.60	7.55
1989	--	8.50	8.97	19.20	8.90



BROCCOLI: Acreage, yield, and production, Arizona, by counties, 1977/78-1988/89

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.
LA PAZ 1/				MARICOPA			
				1977/78	750	57	43
				1978/79	900	54	49
				1979/80	650	68	44
				1980/81	700	71	50
				1981/82	850	76	65
1982/83	0			1982/83	950	73	69
1983/84	*			1983/84	850	68	58
1984/85	2/			1984/85	900	88	79
1985/86	0			1985/86	1,500	66	99
1986/87	0			1986/87	1,600	80	128
1987/88	0			1987/88	1,600	77	123
1988/89	1,100	100	110	1988/89	1,650	81	134
PINAL				YUMA 1/			
1977/78	0			1977/78	150	53	8
1978/79	0			1978/79	300	60	18
1979/80	0			1979/80	0		
1980/81	0			1980/81	0		
1981/82	0			1981/82	0		
1982/83	0			1982/83	0		
1983/84	0			1983/84	*		
1984/85	0			1984/85	1,000	98	98
1985/86	300	60	18	1985/86	1,100	110	121
1986/87	3/			1986/87	2,600	98	254
1987/88	3/			1987/88	2,700	99	268
1988/89	650	97	63	1988/89	2,000	117	233

* Acres harvested not published to avoid disclosure of individual operations.
1/ La Paz County acres created from Yuma County in 1983.
2/ La Paz County acres and production included with Yuma County to avoid disclosure of individual operations.
3/ Pinal County acres and production included with Maricopa County to avoid disclosure of individual operations.

BROCCOLI: Acreage, yield, production, price, and value, Arizona, 1977/78-1988/89

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1977/78	900	900	57	51	21.60	1,100
1978/79	1,200	1,200	56	67	27.60	1,847
1979/80	650	650	68	44	29.30	1,287
1980/81	700	700	71	50	28.00	1,402
1981/82	850	850	76	65	33.10	2,150
1982/83	950	950	73	69	27.40	1,889
1983/84	1,300	1,300	76	99	28.00	2,772
1984/85	1,900	1,900	93	177	26.10	4,620
1985/86	2,900	2,900	82	238	23.00	5,474
1986/87	4,200	4,200	91	382	21.80	8,328
1987/88	4,300	4,300	91	391	24.80	9,697
1988/89	5,400	5,400	100	540	20.60	11,124

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

CAULIFLOWER: Acreage, yield, and production, Arizona, by counties, 1977/78-1988/89

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.
MARICOPA				PINAL			
1977/78	500	56	28	1977/78	0		
1978/79	650	51	33	1978/79	0		
1979/80	550	82	45	1979/80	0		
1980/81	530	96	51	1980/81	0		
1981/82	400	115	46	1981/82	0		
1982/83	600	95	57	1982/83	0		
1983/84	500	82	41	1983/84	0		
1984/85	550	78	43	1984/85	0		
1985/86	700	77	54	1985/86	0		
1986/87	750	80	60	1986/87	0		
1987/88	750	68	51	1987/88	1/		
1988/89	650	95	62	1988/89	850	67	57
YUMA							
1977/78	800	73	58				
1978/79	1,350	104	140				
1979/80	1,400	114	160				
1980/81	1,870	117	219				
1981/82	1,600	148	237				
1982/83	3,000	124	372				
1983/84	3,500	120	419				
1984/85	4,350	120	521				
1985/86	5,400	120	648				
1986/87	5,650	131	740				
1987/88	5,350	110	590				
1988/89	5,300	125	663				

1/ Pinal County acres included with Maricopa County to avoid disclosure of individual operations.

CAULIFLOWER: Acreage, yield, production, price, and value, Arizona, 1977/78-1988/89

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1977/78	1,300	1,300	66	86	29.00	2,492
1978/79	2,000	2,000	87	173	29.90	5,175
1979/80	1,950	1,950	105	205	37.10	8,015
1980/81	2,400	2,400	113	270	34.80	9,408
1981/82	2,000	2,000	142	283	39.30	11,114
1982/83	3,600	3,600	119	429	35.50	15,223
1983/84	4,000	4,000	115	460	35.90	16,514
1984/85	5,000	4,900	115	564	34.30	19,345
1985/86	6,100	6,100	115	702	29.20	20,498
1986/87	6,400	6,400	125	800	27.40	21,920
1987/88	6,100	6,100	105	641	31.10	19,935
1988/89	6,800	6,800	115	782	28.10	21,974

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

WATERMELONS: Acreage, yield, and production, Arizona, by counties, 1978-89 1/

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ 2/			
1978	0						
1979	400	123	49				
1980	750	92	69				
1981	750	61	46				
1982	450	113	51				
1983	210	67	14	1983	*		
1984	100	110	11	1984	*		
1985	200	80	16	1985	400	230	92
1986	200	100	20	1986	450	200	90
1987	150	167	25	1987	400	265	106
1988	150	100	15	1988	300	217	65
1989	3/			1989	350	286	100
MARICOPA				MOHAVE			
1978	2,150	148	318	1978	0		
1979	4,100	137	563	1979	0		
1980	1,700	194	330	1980	0		
1981	1,690	240	405	1981	0		
1982	2,300	282	649	1982	100	220	22
1983	2,940	237	697	1983	*		
1984	2,370	286	677	1984	*		
1985	2,300	277	637	1985	0		
1986	2,500	292	730	1986	0		
1987	3,250	322	1,045	1987	0		
1988	2,600	323	840	1988	0		
1989	2,700	376	1,015	1989	0		
PINAL				YUMA 2/			
1978	550	147	81	1978	1,100	155	171
1979	700	127	89	1979	1,100	127	140
1980	500	192	96	1980	450	171	77
1981	400	223	89	1981	760	183	139
1982	950	273	259	1982	1,400	226	316
1983	490	204	100	1983	320	272	87
1984	1,280	264	338	1984	500	222	111
1985	1,200	215	258	1985	1,100	246	271
1986	1,100	223	245	1986	1,150	230	265
1987	450	282	127	1987	950	243	231
1988	900	289	260	1988	1,050	305	320
1989	950	379	360	1989	1,200	396	475

* Acres harvested not published to avoid disclosure of individual operations.
1/ Watermelons are planted as Spring and Fall crops. Estimates by season are not available.
2/ La Paz County created from Yuma County in 1983.
3/ Cochise County acres and production included with Pinal County to avoid disclosure of individual operations.

WATERMELONS: Acreage, yield, production, price, and value, Arizona, 1978-89 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	3,800	3,800	150	570	6.85	3,904
1979	6,300	6,300	134	841	4.24	3,568
1980	3,400	3,400	168	572	6.35	3,632
1981	3,600	3,600	189	679	7.98	5,418
1982	5,200	5,200	249	1,297	4.00	5,188
1983	4,300	4,200	277	952	5.85	5,569
1984	4,700	4,500	260	1,170	5.42	6,341
1985	5,300	5,200	245	1,274	5.27	6,714
1986	5,400	5,400	250	1,350	6.36	8,586
1987	5,200	5,200	295	1,534	5.13	7,869
1988	5,000	5,000	300	1,500	7.13	10,695
1989	5,200	5,200	375	1,950	4.55	8,873

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.

SPRING HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1978-89

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 1/				MARICOPA			
				1978	200	160	32
				1979	50	100	5
				1980	100	100	10
				1981	50	160	8
				1982	250	216	54
1983	1,450	98	142	1983	110	164	18
1984	1,100	186	205	1984	140	162	23
1985	990	181	179	1985	230	204	47
1986	850	178	151	1986	460	220	101
1987	780	168	131	1987	820	141	116
1988	490	234	119	1988	800	156	125
1989	680	163	111	1989	920	146	134
MOHAVE				PINAL			
1978	0			1978	0		
1979	0			1979	0		
1980	550	142	78	1980	0		
1981	1,400	179	250	1981	*		
1982	500	130	65	1982	0		
1983	530	100	53	1983	*		
1984	360	50	18	1984	*		
1985	170	182	31	1985	120	92	11
1986	0			1986	360	81	29
1987	0			1987	470	70	33
1988	0			1988	2/		
1989	0			1989	0		

See footnotes at end of table.

Continued--

SPRING HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.
YUMA 1/			
1978	1,200	160	192
1979	1,150	163	187
1980	550	156	86
1981	*		
1982	2,000	116	231
1983	*		
1984	*		
1985	90	200	18
1986	130	115	15
1987	330	133	44
1988	110	145	16
1989	3/		

* Acres harvested not published to avoid disclosure of individual operations.
1/ La Paz County created from Yuma County in 1983.
2/ Pinal County acres and production included with Maricopa County to avoid disclosure of individual operations.
3/ Yuma County acres and production included with La Paz County to avoid disclosure of individual operations.

SPRING HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	1,400	1,400	160	224	9.02	2,020
1979	1,200	1,200	160	192	8.30	1,594
1980	1,200	1,200	145	174	10.40	1,810
1981	1,500	1,500	177	265	12.90	3,422
1982	2,750	2,750	127	350	9.82	3,437
1983	2,100	2,100	102	214	16.10	3,450
1984	1,900	1,700	151	256	14.90	3,824
1985	1,700	1,600	179	286	9.81	2,807
1986	1,800	1,800	164	296	11.00	3,258
1987	2,400	2,400	135	324	12.10	3,920
1988	1,400	1,400	186	260	17.70	4,594
1989	1,600	1,600	153	245	9.43	2,310

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

FALL HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ 1/			
1978	0						
1979	0						
1980	0						
1981	0						
1982	0						
1983	0			1983	160	94	15
1984	0			1984	*		
1985	0			1985	120	225	27
1986	0			1986	150	173	26
1987	0			1987	300	167	50
1988	50	160	8	1988	300	193	58
1989	2/			1989	170	141	24

See footnotes at end of table.

Continued--

FALL HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1978-89-continued

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
MARICOPA				MOHAVE			
1978	220	205	45	1978	0		
1979	250	192	48	1979	0		
1980	200	150	30	1980	0		
1981	300	90	27	1981	100	110	11
1982	400	133	53	1982	0		
1983	290	100	29	1983	250	88	22
1984	160	194	31	1984	0		
1985	360	131	47	1985	0		
1986	600	145	87	1986	0		
1987	630	121	76	1987	0		
1988	450	140	63	1988	0		
1989	330	139	46	1989	0		
PINAL				YUMA 1/			
1978	0			1978	0		
1979	0			1979	150	160	24
1980	0			1980	200	180	36
1981	0			1981	400	105	42
1982	0			1982	350	100	35
1983	0			1983	0		
1984	*			1984	0		
1985	120	208	25	1985	0		
1986	200	160	32	1986	50	140	7
1987	70	129	9	1987	3/		
1988	200	155	31	1988	0		
1989	0			1989	3/		

* Acres harvested not published to avoid disclosure of individual operations.
1/ La Paz County created from Yuma County in 1983.
2/ Cochise County acres and production included with Maricopa County to avoid disclosure of individual operations.
3/ Yuma County acres and production included with La Paz County to avoid disclosure of individual operations.

FALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	220	220	205	45	7.04	317
1979	400	400	180	72	9.41	698
1980	400	400	165	66	7.41	489
1981	800	800	100	80	14.60	1,167
1982	750	750	117	88	13.70	1,206
1983	700	700	94	66	12.60	834
1984	300	300	180	54	38.30	2,066
1985	600	600	165	99	14.40	1,428
1986	1,100	1,000	152	152	15.10	2,297
1987	1,000	1,000	135	135	11.40	1,542
1988	1,000	1,000	160	160	16.70	2,672
1989	500	500	140	70	21.00	1,470

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

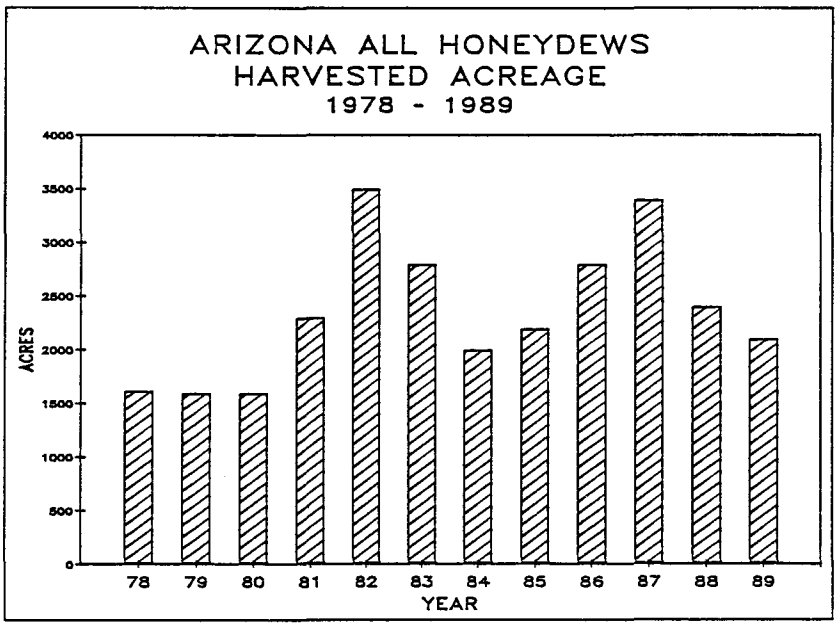
ALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	1,620	1,620	166	269	8.69	2,337
1979	1,600	1,600	165	264	8.61	2,272
1980	1,600	1,600	150	240	9.58	2,299
1981	2,300	2,300	150	345	13.30	4,589
1982	3,500	3,500	125	438	10.60	4,643
1983	2,800	2,800	100	280	15.30	4,284
1984	2,200	2,000	155	310	19.00	5,890
1985	2,300	2,200	175	385	11.00	4,235
1986	2,900	2,800	160	448	12.40	5,555
1987	3,400	3,400	135	459	11.90	5,462
1988	2,400	2,400	175	420	17.30	7,266
1989	2,100	2,100	150	315	12.00	3,780

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

ALL HONEYDEWS: Monthly and season average prices received by growers, Arizona, 1978-89

Year	June	July	August	September	October	November	Season average
				Dollars per cwt.			
1978	8.70	9.20	--	--	6.30	7.40	8.69
1979	11.10	7.60	--	--	9.70	8.80	8.61
1980	12.50	10.10	--	--	7.06	7.83	9.58
1981	12.40	13.20	--	--	15.50	17.30	13.30
1982	10.80	9.82	--	--	10.90	15.10	10.60
1983	17.50	15.00	--	--	12.60	11.70	15.30
1984	16.10	13.60	--	--	39.60	24.30	19.00
1985	10.80	8.92	--	--	14.40	17.60	11.00
1986	11.50	10.90	--	14.60	15.00	17.60	12.40
1987	14.40	7.38	--	--	10.80	14.30	11.90
1988	18.30	16.50	--	--	16.80	15.50	17.30
1989	9.41	10.30	--	--	23.00	19.50	12.00



SUMMER CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1978-89

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 1/				MARICOPA			
				1978	3,500	190	666
				1979	1,950	115	224
				1980	2,900	155	448
				1981	2,050	153	314
				1982	3,050	156	477
1983	1,570	276	434	1983	2,750	135	371
1984	3,890	133	519	1984	2,730	165	451
1985	3,340	167	559	1985	3,600	176	623
1986	2,100	200	420	1986	4,700	183	862
1987	2,430	130	316	1987	4,220	174	734
1988	*			1988	4,100	169	692
1989	*			1989	5,100	163	830
PINAL				YUMA 1/			
1978	60	183	11	1978	5,540	135	748
1979	50	100	5	1979	5,100	158	806
1980	0			1980	1,700	163	277
1981	50	140	7	1981	2,200	193	424
1982	250	140	35	1982	2,250	197	443
1983	150	133	20	1983	880	278	245
1984	130	162	21	1984	2/		
1985	0			1985	110	155	17
1986	0			1986	500	190	95
1987	3/			1987	950	151	143
1988	*			1988	*		
1989	*			1989	*		

* Acres harvested not published to avoid disclosure of individual operations.

1/ La Paz County created from Yuma County in 1983.

2/ Yuma and Mohave County acres and production included with La Paz County to avoid disclosure of individual operations; no production in Mohave County for other crop years.

3/ Pinal County acres and production included with Maricopa County to avoid disclosure of individual operations.

SUMMER CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	9,100	9,100	157	1,425	11.80	16,840
1979	7,100	7,100	146	1,035	13.60	14,062
1980	4,600	4,600	158	725	17.00	12,332
1981	4,300	4,300	173	745	17.80	13,226
1982	5,550	5,550	172	955	13.60	12,988
1983	5,350	5,350	200	1,070	17.50	18,725
1984	6,750	6,750	147	991	14.50	14,406
1985	7,050	7,050	170	1,199	9.10	10,914
1986	7,300	7,300	189	1,377	13.50	18,590
1987	7,600	7,600	157	1,193	9.89	11,799
1988	5,100	5,100	175	890	18.30	16,287
1989	6,300	6,300	150	945	7.70	7,277

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

FALL CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1978-89

County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				LA PAZ 1/			
1978	0						
1979	100	50	5				
1980	0						
1981	0						
1982	50	60	3				
1983	0			1983	180	61	11
1984	0			1984	0		
1985	0			1985	1,050	64	67
1986	2/			1986	790	70	55
1987	2/			1987	450	80	36
1988	*			1988	0		
1989	2/			1989	3/		
MARICOPA				PINAL			
1978	750	120	90	1978	50	120	6
1979	1,900	108	205	1979	0		
1980	1,900	96	182	1980	0		
1981	900	126	113	1981	0		
1982	700	97	68	1982	50	100	5
1983	1,000	86	86	1983	120	83	10
1984	1,450	112	162	1984	100	90	9
1985	1,900	97	184	1985	0		
1986	2,700	150	405	1986	110	145	16
1987	2,700	167	450	1987	350	114	40
1988	2,300	157	361	1988	*		
1989	2,100	190	400	1989	0		
YUMA 1/							
1978	0						
1979	0						
1980	0						
1981	0						
1982	150	80	12				
1983	0						
1984	0						
1985	0						
1986	0						
1987	100	120	12				
1988	0						
1989	400	158	63				

* Acres harvested not published to avoid disclosure of individual operations.
1/ La Paz County created from Yuma County in 1983.
2/ Cochise County acres and production included with Maricopa County to avoid disclosure of individual operations.
3/ La Paz County acres and production included with Yuma County to avoid disclosure of individual operations.

FALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	800	800	120	96	8.98	862
1979	2,000	2,000	105	210	17.10	3,599
1980	1,900	1,900	96	182	10.50	1,912
1981	900	900	126	113	11.90	1,345
1982	950	950	93	88	11.80	1,038
1983	1,450	1,300	82	107	17.90	1,915
1984	1,550	1,550	110	171	23.80	4,070
1985	2,950	2,950	85	251	10.40	2,600
1986	3,600	3,600	132	476	13.10	6,240
1987	3,600	3,600	151	543	9.71	5,273
1988	2,500	2,500	176	440	12.30	5,412
1989	2,500	2,500	185	463	16.10	7,454

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

ALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1978-89

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	9,900	9,900	154	1,521	11.60	17,702
1979	9,100	9,100	137	1,245	14.20	17,661
1980	6,500	6,500	140	907	15.70	14,244
1981	5,200	5,200	165	858	17.00	14,571
1982	6,500	6,500	160	1,043	13.40	14,026
1983	6,800	6,650	177	1,177	17.50	20,640
1984	8,300	8,300	140	1,162	15.90	18,476
1985	10,000	10,000	145	1,450	9.32	13,514
1986	10,900	10,900	170	1,853	13.40	24,830
1987	11,200	11,200	155	1,736	9.83	17,072
1988	7,600	7,600	175	1,330	16.30	21,699
1989	8,800	8,800	160	1,408	10.45	14,731

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

POTATOES: Acreage, yield, and production, Arizona, by counties, 1978-89

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			
1978	0			1978	6,000	265	1,590
1979	0			1979	6,200	210	1,302
1980	0			1980	4,400	290	1,276
1981	0			1981	5,200	280	1,456
1982	0			1982	4,700	305	1,434
1983	0			1983	4,900	260	1,274
1984	*			1984	4,960	308	1,527
1985	380	132	50	1985	5,420	258	1,400
1986	400	128	51	1986	5,100	236	1,202
1987	1/			1987	4,900	275	1,348
1988	0			1988	5,300	235	1,246
1989	0			1989	5,800	315	1,827
NAVAJO				YUMA			
1978	0			1978	0		
1979	0			1979	0		
1980	0			1980	0		
1981	0			1981	0		
1982	0			1982	0		
1983	0			1983	0		
1984	*			1984	0		
1985	0			1985	2/		
1986	3/			1986	400	113	45
1987	0			1987	2/		
1988	0			1988	2/		
1989	0			1989	2/		

* Acres harvested not published to avoid disclosure of individual operations.
1/ Cochise County acres and production included with Maricopa County to avoid disclosure of individual operations.
2/ Yuma County acres and production included with Maricopa County to avoid disclosure of individual operations.
3/ Navajo County acres and production included with Cochise County to avoid disclosure of individual operations.

POTATOES: Acreage, yield, production, price, and value, Arizona, 1978-89

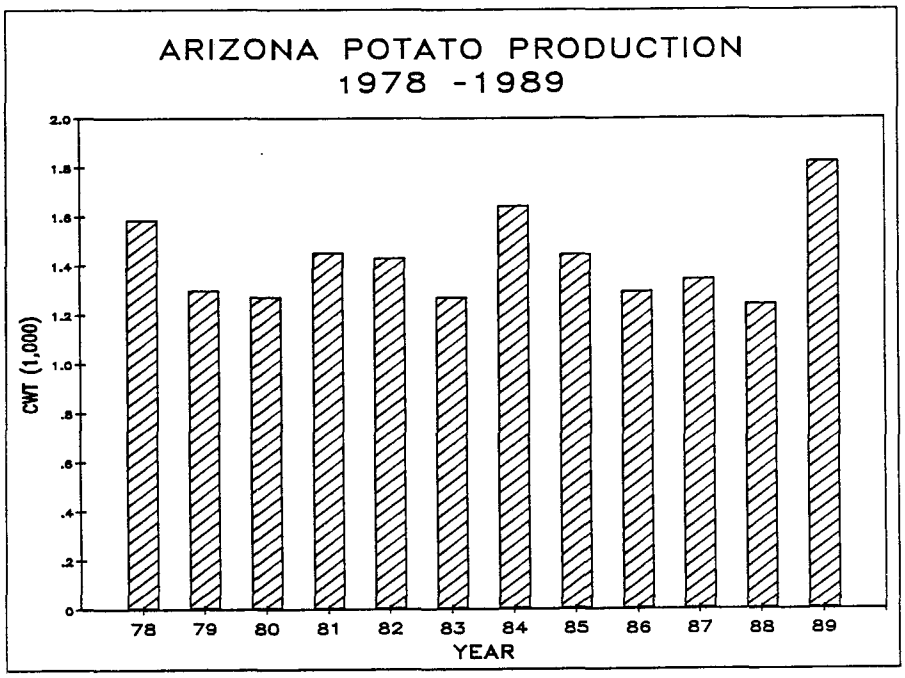
Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol. per cwt.	1,000 dol.
1978	6,000	6,000	265	1,590	8.15	12,959
1979	6,200	6,200	210	1,302	4.40	5,729
1980	4,400	4,400	290	1,276	5.25	6,699
1981	5,200	5,200	280	1,456	7.55	10,993
1982	4,700	4,700	305	1,434	6.55	9,393
1983	4,900	4,900	260	1,274	6.75	8,600
1984	5,400	5,400	305	1,647	9.20	15,152
1985	5,800	5,800	250	1,450	8.45	12,253
1986	6,100	5,900	220	1,298	7.30	9,475
1987	4,900	4,900	275	1,348	10.50	14,154
1988	5,300	5,300	235	1,246	9.35	11,650
1989	5,800	5,800	315	1,827	8.30	15,164

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

POTATOES: Monthly and season average prices received by growers, Arizona, 1978-89 1/

Year	April	May	June	July	August	Season average price 2/
			Dollars per cwt.			
1978	--	7.70	8.30	--	--	8.15
1979	--	5.50	4.15	3.95	--	4.40
1980	--	5.70	4.90	--	--	5.25
1981	12.40	9.15	6.20	5.90	--	7.55
1982	8.10	8.20	5.60	4.85	--	6.55
1983	--	7.80	6.10	--	--	6.75
1984	12.30	11.00	7.75	5.00	5.00	9.20
1985	16.50	9.95	5.85	5.50	--	8.45
1986	14.10	7.00	6.10	5.50	--	7.30
1987	17.00	13.00	7.60	5.50	--	10.50
1988	21.00	10.80	9.05	6.00	--	9.35
1989	23.00	9.15	6.25	5.25	--	8.30

1/ Includes fresh market and processed potato prices.
2/ Average price for the April through July marketing season.



OTHER VEGETABLES: Acres, production, and value, Arizona, 1981-89

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
ASPARAGUS	1985	382	30 lb. carton	27,545	413
	1986	486		46,129	996
	1987	1,723		115,103	2,265
	1988	1,986		165,069	8,253
	1989	3,135		220,545	7,476
BEETS	1981	64	35 lb. carton	37,321	187
	1982	72		13,959	70
	1983	90		33,307	165
	1984	72		35,756	215
	1985	72		44,535	256
	1986	66		32,205	161
	1987	42		22,675	170
	1988	75		19,699	148
	1989	69		26,089	196
BOK CHOY	1981	34	35 lb. carton	13,007	81
	1982	49		14,828	77
	1983	43		36,243	270
	1984	71		47,632	381
	1985	93		52,399	561
	1986	136		78,846	552
	1987	162		82,320	594
	1988	131		81,810	538
	1989	215		106,345	527
CABBAGE	1981	1,054	50 lb. carton	244,303	1,065
	1982	768		400,995	1,311
	1983	957		385,519	1,181
	1984	1,222		423,364	1,482
	1985	798		354,075	2,036
	1986	902		351,223	1,054
	1987	723		399,522	1,307
	1988	968		295,521	1,806
	1989	1,468		614,150	3,194
CHILI PEPPERS	1986	642	30 lb. carton	601,624	5,956
	1987	680		30,285	522
	1988	1,094		17,151	214
	1989	492		25,160	313
ENDIVE	1981	93	25 lb. carton	31,302	125
	1982	87		35,619	104
	1983	67		36,813	148
	1984	79		25,215	202
	1985	84		20,148	135
	1986	72		56,510	283
	1987	134		39,811	141
	1988	76		17,469	135
	1989	12		3,641	20

See footnotes at end of table.

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1981-89-continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
ESCAROLE	1981	46	50 lb. carton	9,684	39
	1982	48		6,651	20
	1983	38		5,787	24
	1984	47		3,537	28
	1985	61		2,065	14
	1986	46		36,294	182
	1987	53		3,639	33
	1988	36		1,538	24
	1989	6		2,229	25
GARLIC	1981	20	50 lb. sack	68	7
	1982	543		3,893	280
	1983	4		3/	3/
	1984	2		3/	3/
	1985	370		7,944	99
	1986	0			
	1987	350		133,000	4,844
	1988	180		1,250	45
	1989	109		1,000	36
GREENS	1981	1,798	25 lb. carton	1,713,067	6,852
	1982	1,629		1,794,713	3,630
	1983	1,896		1,551,874	6,456
	1984	1,982		1,793,815	6,278
	1985	1,857		1,627,376	8,381
	1986	1,942		2,021,656	7,136
	1987	1,847		1,698,535	6,285
	1988	1,448		1,261,303	5,600
	1989	1,526		1,244,324	5,263
KALE	1986	152	22 lb. carton	171,608	982
	1987	170		23,144	136
	1988	177		29,709	175
	1989	163		144,006	690
LETTUCE, BOSTON	1981	105	35 lb. carton	18,700	70
	1982	91		13,671	52
	1983	131		4,382	20
	1984	172		19,539	117
	1985	255		2,193	10
	1986	281		57,556	383
	1987	422		8,253	49
	1988	485		64,846	267
	1989	490		282,990	1,599
LETTUCE, LEAF	1981	600	35 lb. carton	292,034	1,022
	1982	550		360,227	1,324
	1983	681		463,661	2,320
	1984	824		450,198	3,078
	1985	1,028		746,343	4,254
	1986	1,678		1,674,847	12,310
	1987	2,287		1,511,139	6,573
	1988	2,808		1,685,797	11,514
	1989	3,535		1,875,394	10,408

See footnotes at end of table

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1981-89--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
LETTUCE, ROMAINE	1981	279	35 lb. carton	171,329	687
	1982	259		234,847	1,180
	1983	490		404,251	2,828
	1984	755		444,415	1,555
	1985	794		618,232	3,462
	1986	1,083		743,289	3,902
	1987	1,625		907,826	9,351
	1988	1,491		882,510	5,869
	1989	1,672		1,042,001	5,220
NAPA	1985	152	20 lb. carton	79,499	851
	1986	120		102,786	720
	1987	176		96,817	698
	1988	137		87,206	629
	1989	181		115,278	344
ONIONS, GREEN	1981	2,362	18 lb. carton	2,887,085	12,992
	1982	2,151		3,092,408	11,040
	1983	2,500		2,919,314	11,355
	1984	1,815		2,342,963	7,029
	1985	1,671		1,955,022	8,504
	1986	1,462		1,618,641	6,475
	1987	549		897,716	4,578
	1988	460		438,562	3,381
	1989	448		334,091	1,493
PARSLEY	1981	158	21 lb. carton	98,235	393
	1982	146		95,149	208
	1983	144		119,981	540
	1984	135		88,846	444
	1985	131		94,717	540
	1986	114		80,961	350
	1987	142		98,091	465
	1988	118		75,202	702
	1989	76		76,795	313
PUMPKINS	1981	344	Ton	369	24
	1982	342		483	36
	1983	378		359	32
	1984	211		823	165
	1985	200		1,271	102
	1986	265		400	12
	1987	248		1,395	145
	1988	258		564	59
	1989	228		1,271	132
RADISHES	1981	93	40 lb. carton	96,367	313
	1982	186		86,243	288
	1983	241		144,142	540
	1984	173		132,528	464
	1985	282		112,460	641
	1986	214		43,814	153
	1987	132		131,271	851
	1988	89		40,764	430
	1989	30		26,003	275

See footnotes at end of table.

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1981-89--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
RAPINI	1981	719	25 lb. carton	282,437	1,977
	1982	525		221,918	1,841
	1983	683		240,195	1,680
	1984	567		212,264	698
	1985	761		222,968	1,784
	1986	708		182,113	1,002
	1987	601		241,057	1,367
	1988	700		167,376	949
	1989	318		66,490	377
SPINACH	1981	322	25 lb. carton	127,962	488
	1982	243		130,506	264
	1983	142		78,623	296
	1984	307		115,939	406
	1985	302		195,273	918
	1986	533		225,761	903
	1987	274		119,518	639
	1988	521		153,970	1,186
	1989	463		190,344	1,466
SQUASH	1981	70	24 lb. carton	11,840	63
	1982	212		27,285	37
	1983	176		22,415	36
	1984	94		18,591	102
	1985	133		32,201	277
	1986	450		151,950	1,368
	1987	374		98,161	1,005
	1988	553		35,201	326
	1989	723		24,828	230
SWEET CORN	1985	112	50 lb. carton	20,443	164
	1986	526		26,364	219
	1987	692		106,047	711
	1988	567		64,322	495
	1989	478		90,070	721
TOMATOES, FIELD	1985	140	Ton	4,650	298
	1986	144		2,880	179
	1987	140		5,775	2,460
	1988	641		19,386	1,142
	1989	1,225		25,236	1,673
TURNIPS	1981	560	25 lb. sack	239,710	899
	1982	374		172,729	606
	1983	274		138,985	521
	1984	309		148,086	666
	1985	268		126,002	630
	1986	244		105,531	422
	1987	247		78,610	193
	1988	178		80,702	626
	1989	232		60,902	473

See footnotes at end of table.

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1981-89--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
MISCELLANEOUS VEGETABLES 4/	1981	515		5/	4,291
	1982	956		5/	3,694
	1983	1,023		5/	3,339
	1984	1,204		5/	3,715
	1985	829		5/	4,356
	1986	276		5/	1,631
	1987	883		5/	3,375
	1988	1,757		5/	2,722
	1989	1,793		5/	4,497

1/ Acreage and production figures from the Arizona Fruit and Vegetable Standardization Service 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 Fruit and Vegetable Standardization Service, the Arizona Arizona Cooperative Extension Service, Market News Service, and local growers.

3/ Not available.

4/ For a particular year may include anise, arrugula, artichokes, asparagus, bell peppers, celery, chili peppers, chinese cabbage, cilantro, cucumbers, Fava beans, green beans, leeks, Maża corn, Mexican corn, sweet corn, napa, okra, rutabagas, and miscellaneous melons.

5/ Not available due to the difference of production for these vegetables.

FRUITS AND NUTS

During the 1988-89 growing season, Arizona's fruit and nut producers realized a total value of production of $104.7 million. This was down considerably from the $110.0 million value of crops produced during the 1987-88 season. Citrus, grapes and pecans accounted for the largest percentage of the total.

Total citrus production for the 1988-89 season was 16.2 million cartons, up from the 16.0 million cartons packed in the 1987-88 season. Value of production for all citrus in 1988-89 was $69.2 million, an increase of $4.9 million from the previous season.

Production of lemons during the 1988-89 season increased to 7.6 million cartons. With this increase, came an increase in the value of production; nearly $34.0 million compared to $31.4 million last season.

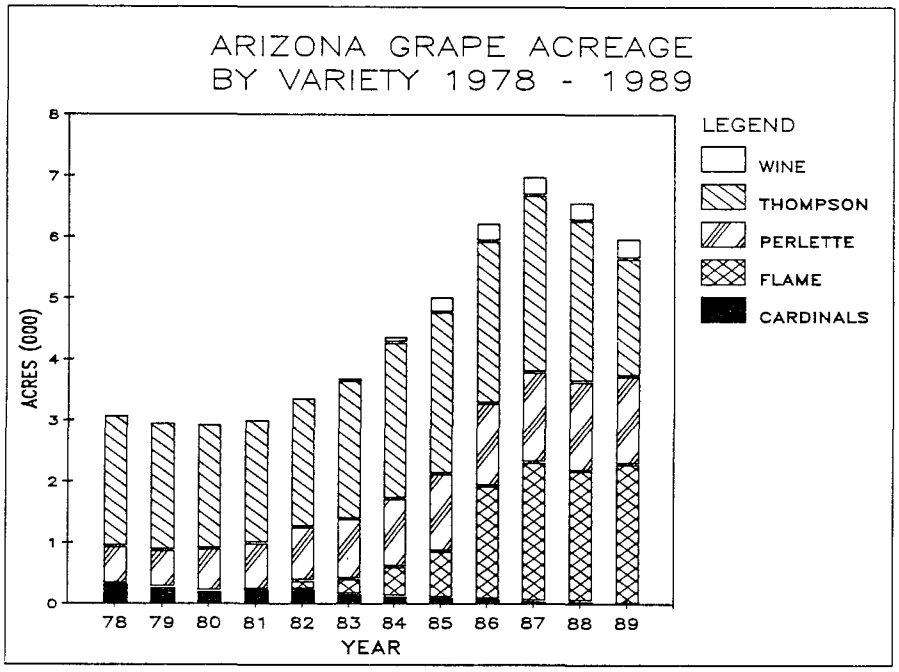
Production of all varieties of oranges in Arizona declined from 3.6 million cartons to 3.4 million cartons for the 1988-89 season. Production of Valencia oranges totaled 2.3 million cartons with a value of $8.8 million. Navel, sweet and miscellaneous orange production totaled 1.1 million cartons valued at $6.6 million.

Grapefruit production equaled last season's production of 3.9 million cartons; however, the value of production increased to $9.7 million, up from the $8.8 million value of the previous season. Tangerine production increased to 1.3 million cartons resulting in a value of production of $10.1 million.

Grape utilized production totaled 26,500 tons for 1989, up 2,500 tons from 1988. A season average price of only $674 per ton made the crop worth $17.9 million, a decrease of $12.1 million from 1988. The majority of Arizona grapes are for the fresh market; however an increasing amount were utilized for raisin production in 1989. Wine varieties are planted on nearly 300 acres.

Weather conditions were favorable for apples during the 1989 growing season. A late, but mild frost did hold production below potential for the young orchards; however, production was much better than in the 1988 season. Total apple output in 1989 was 24.8 million pounds, with a value of production of $2.3 million.

There were 15,859 acres of tree nuts in production during 1989 compared with 15,697 acres producing in 1988. Pecans accounted for most of the tree nut acreage with 14,135 producing acres followed by 1,724 acres of pistachios.



GRAPES: Acreage and variety, Arizona, by counties, 1978-89 1/

County and year	Table Varieties					Wine Varieties	Total
	Cardinals	Flame Seedless	Perlette	Thompson Seedless	Other 2/		
				Acres			
MARICOPA							
1978							
1979							
1980							
1981							
1982							
1983	90	235	780	1,550	100	0	2,755
1984	75	320	920	1,720	85	0	3,120
1985	55	380	945	1,750	50	0	3,180
1986	30	655	825	1,205	45	0	2,760
1987	30	655	825	1,245	75	0	2,830
1988	30	845	790	1,115	75	0	2,855
1989	0	815	750	820	75	0	2,460
PINAL							
1978							
1979							
1980							
1981							
1982							
1983	20	10	115	265	10	0	420
1984	0	115	115	380	10	0	620
1985	0	200	140	340	0	0	680
1986	0	950	265	840	0	0	2,055
1987	0	1,095	280	880	10	0	2,265
1988	0	770	170	780	10	0	1,730
1989	0	975	275	695	30	0	1,975
YUMA 3/							
1978	112	0	220	718	36	0	1,086
1979	112	0	219	718	50	0	1,099
1980	55	0	85	450	25	0	615
1981	55	0	85	450	25	0	615
1982	55	0	85	450	25	0	615
1983	55	5	85	450	25	0	620
1984	55	45	85	450	25	0	660
1985	55	175	185	550	25	0	990
1986	55	250	260	605	25	0	1,195
1987	20	525	370	765	25	0	1,705
1988	20	515	500	745	40	0	1,820
1989	0	505	415	410	15	0	1,345

See footnotes at end of table.

Continued--

GRAPES: Acreage and variety, Arizona, by counties, 1978-89 1/--continued

County and year	Table Varieties					Wine Varieties	Total
	Cardinals	Flame Seedless	Perlette	Thompson Seedless	Other 2/		
				Acres			
OTHER COUNTIES 4/							
1978	218	0	394	1,421	171	0	2,204
1979	160	0	391	1,362	107	0	2,021
1980	155	0	607	1,586	137	0	2,485
1981	177	3	677	1,566	121	0	2,544
1982	190	140	790	1,660	105	0	2,885
1983	0	0	0	0	0	5	5
1984	0	0	0	0	0	100	100
1985	0	0	0	0	0	250	250
1986	0	0	0	0	0	290	290
1987	0	0	0	0	0	300	300
1988	0	0	0	0	0	295	295
1989	0	0	0	0	0	320	320
ARIZONA							
1978	330	0	614	2,139	207	0	3,290
1979	272	0	610	2,080	157	0	3,119
1980	210	0	692	2,036	162	0	3,100
1981	232	3	762	2,016	146	0	3,159
1982	245	140	875	2,110	130	0	3,500
1983	165	250	980	2,265	135	5	3,800
1984	130	480	1,120	2,550	120	100	4,500
1985	110	755	1,270	2,640	75	250	5,100
1986	85	1,855	1,350	2,650	70	290	6,300
1987	50	2,275	1,475	2,890	110	300	7,100
1988	50	2,130	1,460	2,640	125	295	6,700
1989	0	2,295	1,440	1,925	120	320	6,200

1/ Area acreage estimates developed with the assistance of Arizona Fruit and Vegetable Standardization Service, Arizona Cooperative Extension Service, Arizona Wine Growers Association, and local growers.
2/ Includes Robin, Black Beauty, and Exotic varieties.
3/ Includes some acreage in southwestern Maricopa County for 1978 and 1979; Yuma County only 1980-1989.
4/ Includes Maricopa, Pinal, and Cochise counties 1978-1982; Pima, Santa Cruz, and Yavapai counties 1983-1989.

GRAPES: Production, price, and value, Arizona, 1978-89

Year	Total production	Utilized production	Season average price 1/	Value of utilized production
	Tons		Dol. per ton	1,000 dol.
1978	14,300	14,300	943.00	13,485
1979	13,500	13,500	930.00	12,555
1980	12,400	12,400	1,170.00	14,508
1981	12,400	12,400	1,240.00	15,376
1982	15,100	15,100	991.00	14,964
1983	14,600	14,600	1,050.00	15,330
1984	14,000	14,000	1,310.00	18,340
1985	18,500	18,500	968.00	17,908
1986	23,000	23,000	1,090.00	25,070
1987	31,000	21,000	1,010.00	21,279
1988	25,500	24,000	1,250.00	29,913
1989	26,500	26,500	674.00	17,861

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

GRAPEFRUIT: Acreage and production, by varieties, Arizona, by counties, 1978/79-1988/89

County and crop year	Harvested 1/			Utilization of Production		
	White	Red Blush	All	Fresh 2/	Processed 2/	Total
		Acres			1,000 cartons 3/	
MARICOPA 4/						
1978/79	2,790	2,680	5,470	1,320	1,510	2,830
1979/80	2,760	2,320	5,080	1,580	2,130	3,710
1980/81	2,540	2,750	5,290	2,080	1,560	3,640
1981/82	2,700	2,750	5,450	1,620	1,890	3,510
1982/83	1,945	2,325	4,270	2,660	1,620	4,280
1983/84	2,305	2,305	4,610	2,180	1,120	3,300
1984/85	2,340	2,410	4,750	2,740	1,920	4,660
1985/86	1,860	1,990	3,850	1,560	1,530	3,090
1986/87	1,680	1,900	3,580	1,850	1,390	3,240
1987/88	1,630	1,870	3,500	1,350	960	2,310
1988/89	1,900	2,100	4,000	1,320	920	2,240
YUMA						
1978/79	710	2,710	3,420	780	890	1,670
1979/80	770	2,590	3,360	1,060	1,230	2,290
1980/81	570	2,250	2,820	1,120	840	1,960
1981/82	450	2,300	2,750	600	690	1,290
1982/83	310	2,220	2,530	1,300	1,020	2,320
1983/84	240	1,950	2,190	1,220	480	1,700
1984/85	280	2,070	2,350	1,620	420	2,040
1985/86	220	1,630	1,850	2,040	470	2,510
1986/87	290	2,030	2,320	1,630	630	2,260
1987/88	260	2,240	2,500	1,250	340	1,590
1988/89	250	2,250	2,500	1,350	310	1,660

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
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, 1978/79-1988/89

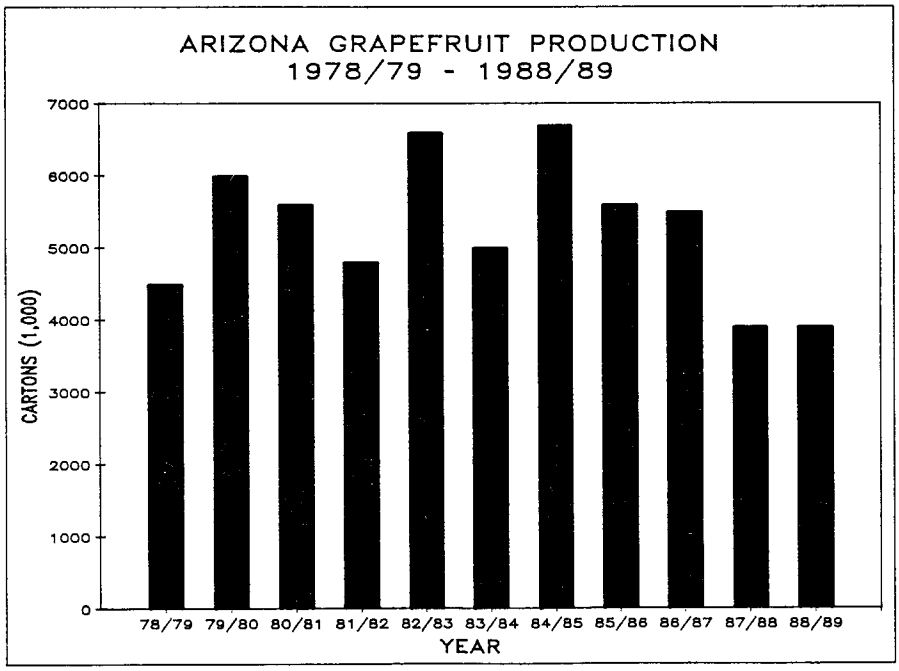
Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1978/79	8,890	2,100	2,400	4,500	1.45	6,513
1979/80	8,440	2,640	3,360	6,000	1.30	7,782
1980/81	8,110	3,200	2,400	5,600	1.96	10,976
1981/82	8,200	2,220	2,580	4,800	1.18	5,664
1982/83	6,800	3,960	2,640	6,600	1.29	8,494
1983/84	6,800	3,400	1,600	5,000	1.95	9,762
1984/85	7,100	4,360	2,340	6,700	2.83	18,933
1985/86	5,700	3,600	2,000	5,600	2.42	13,542
1986/87	5,900	3,480	2,020	5,500	2.53	13,924
1987/88	6,000	2,600	1,300	3,900	2.26	8,788
1988/89	6,500	2,670	1,230	3,900	2.48	9,650

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
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, 1978/79-1988/89 1/

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 2/					
1978/79	4.64	1.45	2.77	.29	.85	2.17	-.31
1979/80	4.22	1.30	2.52	.34	.75	1.97	-.21
1980/81	4.87	1.96	3.06	.50	1.36	2.46	-.10
1981/82	4.62	1.18	2.51	.04	.51	1.83	-.64
1982/83	4.39	1.29	2.11	.06	.57	1.39	-.66
1983/84	5.15	1.95	2.89	-.04	1.23	2.17	-.76
1984/85	6.35	2.83	4.05	.55	2.10	3.32	-.19
1985/86	5.95	2.42	3.57	.35	1.68	2.83	-.40
1986/87	6.20	2.53	3.74	.45	1.77	2.98	-.32
1987/88	5.55	2.26	3.09	.58	1.46	2.29	-.22
1988/89	6.00	2.48	3.37	.53	1.68	2.57	-.27

1/ Monthly prices available upon request.
2/ Net weight per carton, 32 pounds.



LEMONS: Acreage and production, Arizona, by counties, 1978/79-1988/89

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1978/79	1,430	670	970	1,640
1979/80	2,150	410	600	1,010
1980/81	2,150	500	1,050	1,550
1981/82	2,200	670	970	1,640
1982/83	2,100	760	640	1,400
1983/84	2,110	740	560	1,300
1984/85	1,870	1,200	1,450	2,650
1985/86	2,000	620	480	1,100
1986/87	1,500	290	910	1,200
1987/88	1,500	300	290	590
1988/89	1,500	310	120	430
YUMA				
1978/79	17,180	4,930	4,430	9,360
1979/80	18,110	2,760	2,330	5,090
1980/81	17,030	3,980	8,470	12,450
1981/82	19,400	4,490	6,470	10,960
1982/83	17,400	3,670	4,330	8,000
1983/84	16,190	3,320	2,380	5,700
1984/85	15,130	3,300	5,350	8,650
1985/86	14,500	3,160	1,940	5,100
1986/87	14,000	4,400	8,600	13,000
1987/88	14,000	3,630	3,080	6,710
1988/89	14,000	3,650	3,520	7,170

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, 1978/79-1988/89

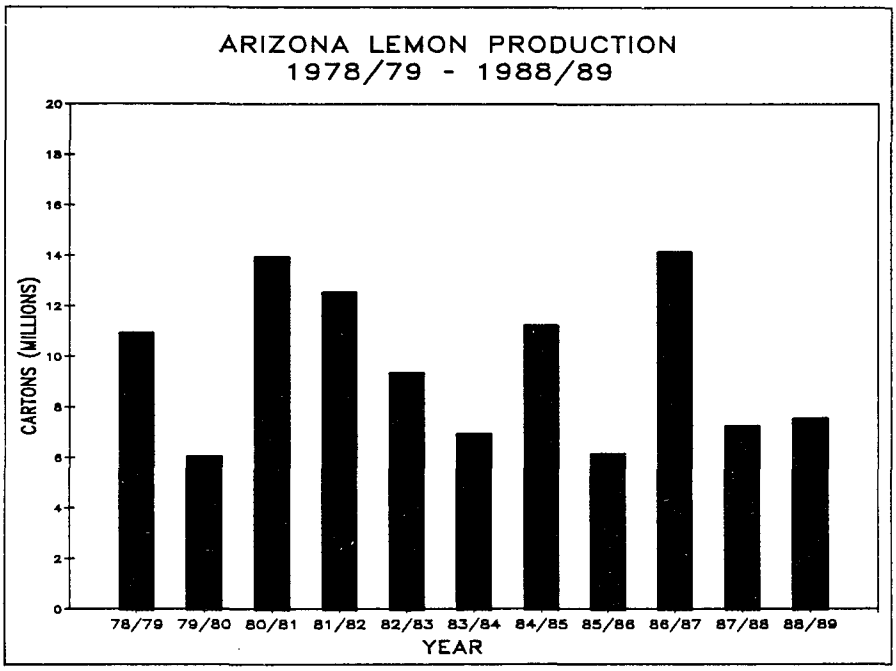
Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1978/79	18,610	5,600	5,400	11,000	2.01	22,074
1979/80	20,260	3,170	2,930	6,100	4.05	24,680
1980/81	19,180	4,480	9,520	14,000	2.06	28,790
1981/82	21,600	5,160	7,440	12,600	1.66	20,944
1982/83	19,500	4,430	4,970	9,400	2.16	20,287
1983/84	18,300	4,060	2,940	7,000	2.27	15,891
1984/85	17,000	4,500	6,800	11,300	2.46	27,762
1985/86	16,500	3,780	2,420	6,200	7.52	46,639
1986/87	15,500	4,690	9,510	14,200	2.06	29,281
1987/88	15,500	3,930	3,370	7,300	4.31	31,418
1988/89	15,500	3,960	3,640	7,600	4.47	33,972

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.

LEMONS: Season average price and equivalent returns by utilization, Arizona, 1978/79-1988/89 1/

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 2/					
1978/79	6.15	2.01	3.45	.51	.87	2.17	-.49
1979/80	9.70	4.05	6.45	1.45	2.57	4.95	-.02
1980/81	6.80	2.06	3.60	1.33	.61	2.15	-.12
1981/82	7.40	1.66	4.03	.02	.20	2.57	-1.45
1982/83	8.15	2.16	4.45	.12	.58	2.87	-1.46
1983/84	7.85	2.27	3.89	.04	.67	2.29	-1.56
1984/85	8.75	2.46	4.90	.84	.93	3.37	-.69
1985/86	15.60	7.52	11.86	.76	6.15	10.48	-.62
1986/87	8.25	2.06	4.54	.84	.68	3.16	-.54
1987/88	11.35	4.31	7.60	.46	2.83	6.12	-1.02
1988/89	11.50	4.47	7.71	.95	2.92	6.16	-.61

1/ Monthly prices available upon request.
2/ Net weight per carton, 38 pounds.



VALENCIA ORANGES: Acreage and production, Arizona, by counties, 1978/79-1988/89

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1978/79	2,990	700	790	1,490
1979/80	3,460	1,510	960	2,470
1980/81	3,030	770	520	1,290
1981/82	3,500	1,180	630	1,810
1982/83	2,900	1,530	910	2,440
1983/84	2,960	990	120	1,110
1984/85	2,670	1,090	600	1,690
1985/86	2,430	780	300	1,080
1986/87	2,300	890	610	1,500
1987/88	2,200	640	370	1,010
1988/89	2,500	590	410	1,000
YUMA				
1978/79	6,460	1,380	1,530	2,910
1979/80	6,570	1,590	1,240	2,830
1980/81	4,760	1,250	860	2,110
1981/82	4,500	1,620	870	2,490
1982/83	4,600	1,730	1,330	3,060
1983/84	4,540	1,070	320	1,390
1984/85	4,030	1,180	230	1,410
1985/86	4,370	1,540	340	1,880
1986/87	4,300	1,310	590	1,900
1987/88	4,200	1,070	340	1,410
1988/89	4,000	840	460	1,300

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
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, 1978/79-1988/89

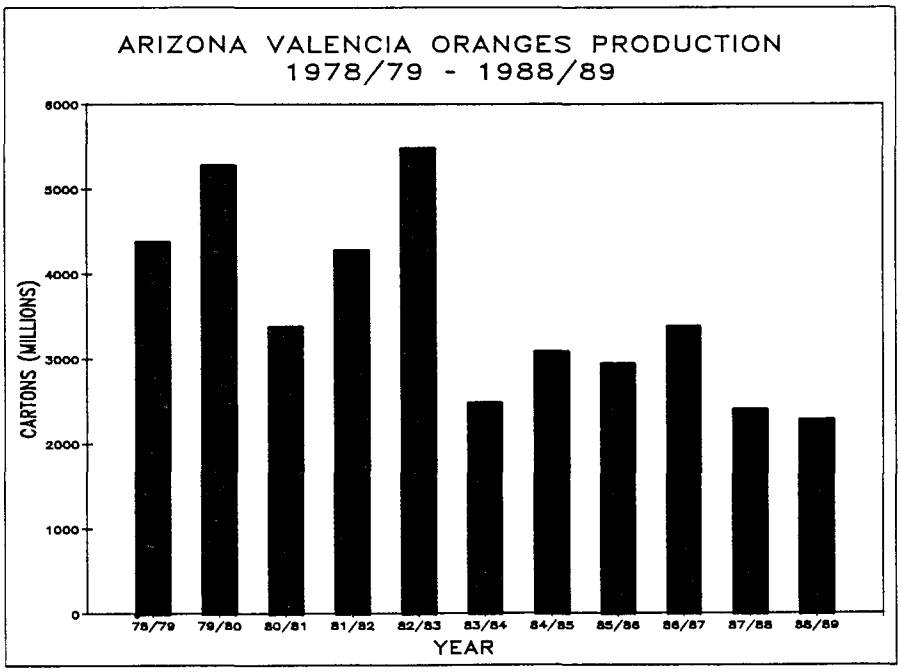
Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1978/79	9,450	2,080	2,320	4,400	2.54	11,186
1979/80	10,030	3,100	2,200	5,300	1.23	6,523
1980/81	7,790	2,020	1,380	3,400	1.46	4,965
1981/82	8,000	2,800	1,500	4,300	3.02	12,968
1982/83	7,500	3,260	2,240	5,500	1.71	9,392
1983/84	7,500	2,060	440	2,500	3.98	9,939
1984/85	6,700	2,270	830	3,100	4.27	13,236
1985/86	6,800	2,320	640	2,960	3.02	8,931
1986/87	6,600	2,200	1,200	3,400	2.65	9,012
1987/88	6,400	1,710	710	2,420	3.54	8,565
1988/89	6,500	1,430	870	2,300	3.84	8,815

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

VALENCIA ORANGES: Season average price and equivalent returns by utilization, Arizona, 1978/79-1988/89 1/

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 2/					
1978/79	6.10	2.54	3.95	1.28	1.65	2.90	.53
1979/80	3.87	1.23	1.52	.83	.53	.82	.13
1980/81	4.61	1.46	2.14	.47	.72	1.40	-.29
1981/82	6.35	3.02	4.13	.95	2.17	3.28	.10
1982/83	4.71	1.71	2.24	.94	.79	1.32	.02
1983/84	7.20	3.98	4.62	.96	3.11	3.75	.09
1984/85	7.85	4.27	5.28	1.52	3.41	4.41	.66
1985/86	6.40	3.02	3.80	.18	2.12	2.90	-.72
1986/87	6.25	2.65	3.72	.69	1.80	2.87	-.16
1987/88	7.20	3.54	4.54	1.13	2.66	3.66	.25
1988/89	7.60	3.84	4.92	2.05	2.94	4.02	1.15

1/ Monthly prices available upon request.
2/ Net weight per carton, 37.5 pounds.



NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage and production, Arizona, by counties, 1978/79-1988/89

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres	1,000 cartons 2/		
MARICOPA 3/				
1978/79	5,070	1,100	180	1,280
1979/80	5,350	1,220	370	1,590
1980/81	5,200	1,270	430	1,700
1981/82	5,370	1,400	350	1,750
1982/83	4,900	1,780	260	2,040
1983/84	5,050	820	110	930
1984/85	3,990	910	50	960
1985/86	3,910	930	120	1,050
1986/87	4,010	1,670	270	1,940
1987/88	3,970	1,090	70	1,160
1988/89	3,570	950	90	1,040
YUMA				
1978/79	250	100	20	120
1979/80	280	80	30	110
1980/81	220	70	30	100
1981/82	230	40	10	50
1982/83	200	50	10	60
1983/84	50	20	10	30
1984/85	210	30	10	40
1985/86	290	40	10	50
1986/87	290	50	10	60
1987/88	230	50	10	60
1988/89	330	50	10	60

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
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, 1978/79-1988/89

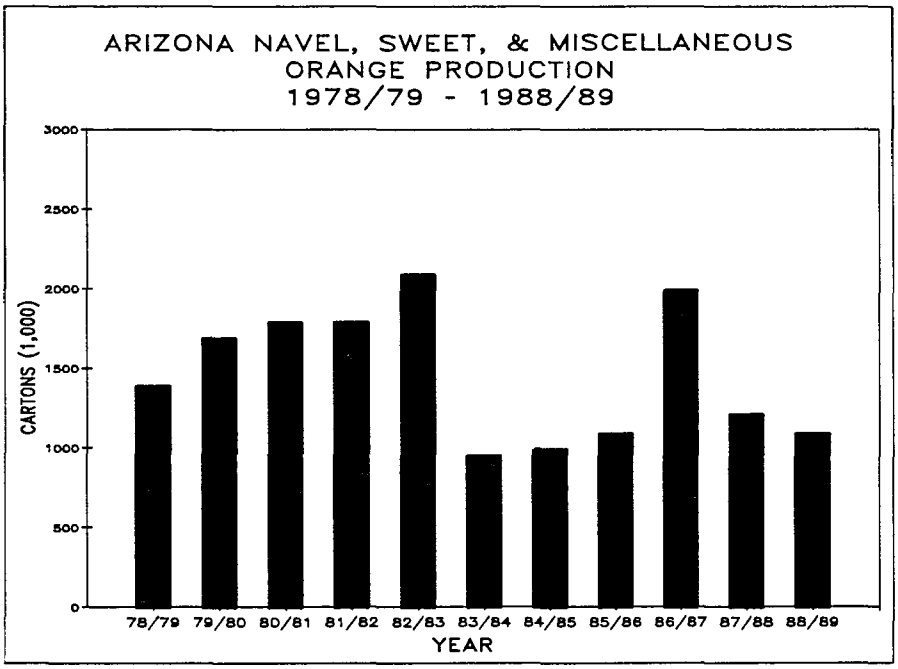
Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres	1,000 cartons 3/			Dol. per ctn.	1,000 dol.
1978/79	5,320	1,200	200	1,400	4.45	6,230
1979/80	5,630	1,300	400	1,700	2.58	4,376
1980/81	5,420	1,340	460	1,800	2.83	5,085
1981/82	5,600	1,440	360	1,800	2.95	5,312
1982/83	5,100	1,830	270	2,100	4.37	9,166
1983/84	5,100	840	120	960	3.93	3,769
1984/85	4,200	940	60	1,000	6.07	6,065
1985/86	4,200	970	130	1,100	4.58	5,037
1986/87	4,300	1,720	280	2,000	3.86	7,723
1987/88	4,200	1,140	80	1,220	5.22	6,364
1988/89	3,900	1,000	100	1,100	6.04	6,643

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
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, 1978/79-1988/89 1/

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 2/					
1978/79	7.20	4.45	5.10	.55	3.50	4.10	-.15
1979/80	5.50	2.58	3.20	.54	1.88	2.50	-.16
1980/81	5.85	2.83	3.75	.13	2.13	3.05	-.57
1981/82	5.80	2.95	3.62	.30	2.13	2.79	-.53
1982/83	7.30	4.37	4.92	.60	3.54	4.09	-.23
1983/84	7.00	3.93	4.46	.19	3.12	3.65	-.62
1984/85	9.05	6.07	6.37	1.28	5.27	5.57	.48
1985/86	8.00	4.58	5.20	-.05	3.75	4.37	-.88
1986/87	7.15	3.86	4.50	-.06	3.04	3.68	-.88
1987/88	8.55	5.22	5.54	.60	4.35	4.67	-.22
1988/89	9.30	6.04	6.52	1.23	5.19	5.67	.38

1/ Monthly prices available upon request.
2/ Net weight per carton, 37.5 pounds.



ALL ORANGES: Acreage and production, Arizona, by counties, 1978/79-1988/89

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1978/79	8,060	1,800	970	2,770
1979/80	8,810	2,730	1,330	4,060
1980/81	8,230	2,040	950	2,990
1981/82	8,870	2,580	980	3,560
1982/83	7,800	3,310	1,170	4,480
1983/84	8,010	1,810	230	2,040
1984/85	6,660	2,000	650	2,650
1985/86	6,340	1,710	420	2,130
1986/87	6,310	2,560	880	3,440
1987/88	6,170	1,730	440	2,170
1988/89	6,070	1,540	500	2,040
YUMA				
1978/79	6,710	1,480	1,550	3,030
1979/80	6,850	1,670	1,270	2,940
1980/81	4,980	1,320	890	2,210
1981/82	4,730	1,660	880	2,540
1982/83	4,800	1,780	1,340	3,120
1983/84	4,590	1,090	330	1,420
1984/85	4,240	1,210	240	1,450
1985/86	4,660	1,580	350	1,930
1986/87	4,590	1,360	600	1,960
1987/88	4,430	1,120	350	1,470
1988/89	4,330	890	470	1,360

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
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, 1978/79-1988/89

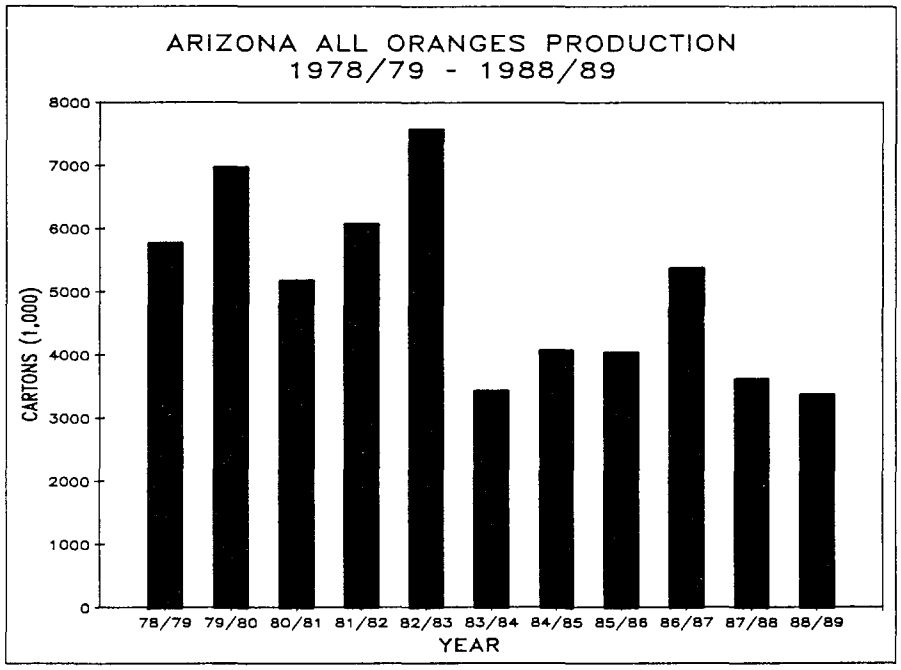
Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1978/79	14,770	3,280	2,520	5,800	3.01	17,416
1979/80	15,660	4,400	2,600	7,000	1.56	10,899
1980/81	13,210	3,360	1,840	5,200	1.94	10,050
1981/82	13,600	4,240	1,860	6,100	3.00	18,280
1982/83	12,600	5,090	2,510	7,600	2.44	18,558
1983/84	12,600	2,900	560	3,460	3.96	13,708
1984/85	10,900	3,210	890	4,100	4.71	19,301
1985/86	11,000	3,290	770	4,060	3.44	13,968
1986/87	10,900	3,920	1,480	5,400	3.10	16,735
1987/88	10,600	2,850	790	3,640	4.10	14,929
1988/89	10,400	2,430	970	3,400	4.55	15,458

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

ALL ORANGES: Season average price and equivalent returns by utilization, Arizona, 1978/79-1988/89 1/

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 2/					
1978/79	6.50	3.01	4.37	1.22	2.10	3.34	.48
1979/80	4.35	1.56	2.02	.79	.86	1.32	.09
1980/81	5.10	1.94	2.78	.38	1.21	2.06	-.36
1981/82	6.15	3.00	3.95	.82	2.16	3.11	-.05
1982/83	5.65	2.44	3.20	.91	1.55	2.32	-.01
1983/84	7.15	3.96	4.58	.80	3.11	3.72	-.06
1984/85	8.25	4.71	5.60	1.51	3.86	4.75	.65
1985/86	6.85	3.44	4.22	.14	2.56	3.34	-.75
1986/87	6.65	3.10	4.06	.55	2.26	3.23	-.30
1987/88	7.75	4.10	4.94	1.08	3.23	4.07	.21
1988/89	8.30	4.55	5.58	1.96	3.67	4.70	1.07

1/ Monthly prices available upon request.
2/ Net weight per carton, 37.5 pounds.



TANGERINES: Acreage and production, Arizona, by counties, 1978/79-1988/89

County and crop year	Harvested 1/	Utilization of Production		
		Fresh	Processed	Total
	Acres		1,000 cartons 2/	
MARICOPA 3/				
1978/79	1,890	270	220	490
1979/80	1,820	480	370	850
1980/81	1,710	430	330	760
1981/82	2,100	730	490	1,220
1982/83	2,000	1,240	600	1,840
1983/84	1,970	1,430	270	1,700
1984/85	2,000	1,460	330	1,790
1985/86	1,790	610	310	920
1986/87	1,610	920	240	1,160
1987/88	2,030	620	140	760
1988/89	1,900	680	170	850
YUMA				
1978/79	1,640	230	180	410
1979/80	1,460	400	250	650
1980/81	1,440	370	270	640
1981/82	1,300	170	110	280
1982/83	1,500	532	228	760
1983/84	1,530	680	320	1,000
1984/85	1,400	340	70	410
1985/86	1,510	830	150	980
1986/87	1,590	530	110	640
1987/88	1,470	380	60	440
1988/89	1,700	360	90	450

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

TANGERINES: Acreage, production, price, and value, Arizona, 1978/79-1988/89

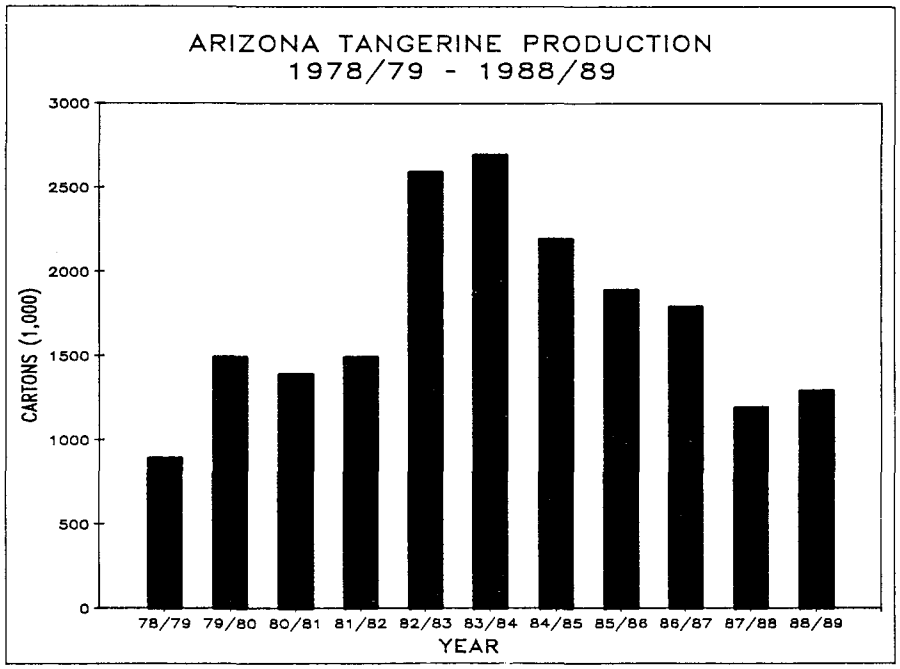
Crop year	Harvested 1/	Utilization of Production			Season average price 2/	Value of production
		Fresh	Processed	Total		
	Acres		1,000 cartons 3/		Dol. per ctn.	1,000 dol.
1978/79	3,530	500	400	900	3.87	3,483
1979/80	3,280	880	620	1,500	2.17	3,244
1980/81	3,150	800	600	1,400	3.02	4,226
1981/82	3,400	900	600	1,500	3.34	5,010
1982/83	3,500	1,772	828	2,600	3.14	8,157
1983/84	3,500	2,110	590	2,700	3.56	9,613
1984/85	3,400	1,800	400	2,200	6.28	13,802
1985/86	3,300	1,440	460	1,900	5.93	11,266
1986/87	3,200	1,450	350	1,800	6.11	11,001
1987/88	3,500	1,000	200	1,200	7.60	9,116
1988/89	3,600	1,040	260	1,300	7.76	10,086

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service.
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, 1978/79-1988/89 1/

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 2/					
1978/79	8.65	3.87	6.55	.53	2.96	5.50	-.23
1979/80	6.65	2.17	3.20	.69	.67	1.70	-.81
1980/81	8.30	3.02	5.05	.31	1.52	3.55	-1.19
1981/82	8.65	3.34	5.20	.55	1.82	3.68	-.98
1982/83	8.00	3.14	4.36	.52	1.61	2.84	-1.01
1983/84	8.00	3.56	4.36	.70	2.04	2.84	-.83
1984/85	9.95	6.28	7.33	1.52	5.41	6.46	.65
1985/86	10.35	5.93	7.75	.23	5.03	6.85	-.67
1986/87	9.95	6.11	7.42	.69	5.26	6.57	-.16
1987/88	11.55	7.60	8.89	1.13	6.72	8.01	.25
1988/89	12.10	7.76	9.42	1.11	6.86	8.52	.21

1/ Monthly prices available upon request.
2/ Net weight per carton, 37.5 pounds.



DECIDUOUS FRUITS AND NUTS: Acreage in production, Arizona, by area, 1981-89 1/

Crop and area	1981	1982	1983	1984	1985
			Acres		
FRUIT					
APPLES					
Central	81	99	18	18	18
Eastern	465	459	873	951	1,832
Total	546	558	891	969	1,850
APRICOTS					
Central	191	39	52	93	98
Western	58	58	0	0	3
Total	249	97	52	93	101
FIGS					
Central	0	0	0	50	50
Total	0	0	0	50	50
NECTARINES					
Central	101	91	62	56	46
Total	101	91	62	56	46
PEACHES					
Central	256	224	167	179	130
Eastern	285	405	334	309	422
Western	0	0	0	0	9
Total	541	629	501	488	561
PLUMS					
Central	489	403	390	400	338
Eastern	50	20	0	0	0
Total	539	423	390	400	338
NUTS					
PECANS					
Central	9,927	9,927	10,665	10,392	10,392
Eastern	630	630	670	2,756	2,823
Western	948	1,058	1,253	1,123	1,261
Total	11,505	11,615	12,588	14,271	14,476
PISTACHIOS					
Central	219	219	411	457	541
Eastern	110	110	837	186	270
Western	0	0	10	150	250
Total	329	329	1,258	793	1,061
ALMONDS					
Central	0	0	0	0	2,800
Total	0	0	0	0	2,800

See footnotes at end of table.

Continued--

DECIDUOUS FRUITS AND NUTS: Acreage in production, Arizona, by area, 1981-89 1/--continued

Crop and area	1986	1987	1988	1989
		Acres		
FRUIT				
APPLES				
Central	18	18	15	25
Eastern	2,951	3,701	4,232	4,375
Total	2,969	3,719	4,247	4,400
APRICOTS				
Central	166	173	190	202
Western	27	27	9	4
Total	193	200	199	206
FIGS				
Central	90	90	90	90
Total	90	90	90	90
NECTARINES				
Central	26	46	30	36
Total	26	46	30	36
PEACHES				
Central	90	123	78	136
Eastern	447	448	249	264
Western	56	57	60	92
Total	593	628	387	492
PLUMS				
Central	162	92	13	10
Total	162	92	13	10
NUTS				
PECANS				
Central	9,345	9,317	8,793	8,843
Eastern	3,344	3,359	3,840	3,873
Western	1,419	1,442	1,419	1,419
Total	14,108	14,118	14,052	14,135
PISTACHIOS				
Central	521	484	459	459
Eastern	590	670	1,029	1,108
Western	152	152	157	157
Total	1,263	1,306	1,645	1,724
ALMONDS				
Central	2,800	2,800	0	0
Total	2,800	2,800	0	0

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

Source: Arizona Fruit and Vegetable Standardization Service.

DECIDUOUS FRUITS: Acres, production, and value, Arizona, 1981-89 1/

Crop	Year	Acres in production	Unit	Utilized production	Value of production
		Acres		1,000 units	1,000 dollars
APPLES	1981	546	40 lb. carton	18	180
	1982	558		57	540
	1983	891		7	42
	1984	969		78	585
	1985	1,850		110	770
	1986	2,969		400	4,400
	1987	3,719		605	3,328
	1988	4,247		150	675
	1989	4,400		620	2,304
APRICOTS	1981	249	22 lb. lug	2	11
	1982	97		2	18
	1983	52		10	70
	1984	93		2	20
	1985	101		6	57
	1986	193		13	167
	1987	200		14	110
	1988	199		90	333
	1989	206		11	74
NECTARINES	1981	101	22 lb. lug	6	55
	1982	91		21	318
	1983	62		13	139
	1984	56		10	98
	1985	46		13	127
	1986	26		7	79
	1987	46		8	44
	1988	30		23	85
	1989	36		5	21
PEACHES	1981	541	22 lb. lug	70	704
	1982	629		93	1,109
	1983	501		68	543
	1984	488		73	654
	1985	561		31	250
	1986	593		33	198
	1987	628		113	465
	1988	387		97	286
	1989	492		68	224
PLUMS	1981	539	22 lb. lug	8	27
	1982	423		91	819
	1983	340		81	678
	1984	400		16	95
	1985	338		34	206
	1986	162		16	165
	1987	92		38	153
	1988	13		7	25
	1989	10		1	28

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

CATTLE AND CALVES

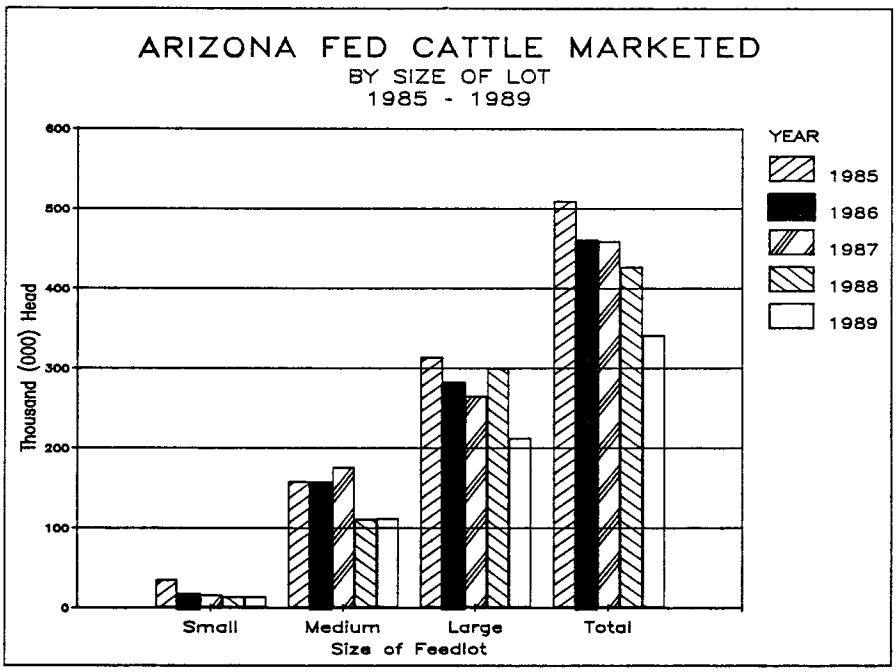
Arizona's cattle and calf inventory totaled 830,000 head as of January 1, 1990, 6 percent below 1989 and 14 percent below 1988. This represents the lowest inventory since 1950 when the number of head totaled 818,000. Several factors have contributed to the decline in cattle numbers over the last ten years, the drop in cattle on feed inventories being the most significant. During 1989, drought like conditions across Arizona forced many of our ranchers to sell parts or all of their herds. Conception rates were also affected by the dry conditions resulting in a lower calf crop. A total of 253,000 head of cattle were on feed January 1, 1990, 22,000 head fewer than a year earlier.

Gross income totaled $453.9 million during 1989, a 13 percent decrease from 1988. During 1989, all cattle prices increased an average of 1 percent to $66.30 per hundredweight with calves decreasing 1 percent to $86.70 per hundredweight. Marketings totaled 672 million pounds, down 14 percent from 1988. In 1989, the prices received for beef were not high enough to offset a decrease in marketings which in turn forced the cattle industry to absorb a loss in cash receipts and gross income.

During 1989, there were 15 feedlots in operation, down from 18 the previous year. The average number of cattle on feed for the year was 213,000 head, down 19 percent from 1988. During 1989, the number of cattle on feed hit their lowest level since 1958. Placements totaled 369,000 head, down 17 percent from the previous year. Marketings of fed cattle totaled 342,000 head during 1989, down 20 percent from 1988. Fed cattle marketings accounted for 51 percent of the cattle marketed in Arizona during 1989.

Of the 275,000 head on feed January 1, 1990, there were 241,000 steers on feed for slaughter and 12,000 heifers. Heifers on feed in Arizona feedlots historically have made up less than 5 percent of the total number on feed. Steers and heifers under 500 pounds totaled 54,000 head, 500-699 pounds numbered 74,000, 700-899 pounds totaled 67,000, and 900 pounds and over tallied 58,000 head.

Inshipments during 1989 totaled 410,000 head which was down 16 percent from the 490,000 head brought into the state during 1988. Cattle shipped into Arizona are usually destined for feedlots and are typically shipped in from Texas, Mexico, New Mexico, Florida, Mississippi, and California.



ALL CATTLE AND MILK COWS: Number of operations and inventory, Arizona and United States, January 1, 1979-90 1/

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
1979	4,500	1,200	850	70	1,638,510	110,864	349,470	10,790
1980	4,600	1,050	800	72	1,619,750	111,242	334,180	10,758
1981	5,000	1,075	800	75	1,620,790	114,351	320,160	10,849
1982	5,200	1,000	770	80	1,612,090	115,444	307,920	10,986
1983	5,000	1,000	800	82	1,583,400	115,001	279,740	11,047
1984	5,200	980	750	82	1,538,390	113,360	282,430	11,059
1985	5,500	1,050	650	83	1,487,780	109,582	269,050	10,777
1986	5,200	1,050	600	88	1,438,620	105,378	249,190	11,116
1987	5,000	1,000	600	87	1,396,460	102,118	227,880	10,466
1988	4,800	960	550	90	1,355,720	99,622	217,440	10,311
1989	4,600	880	500	92	1,326,800	99,180	204,910	10,212
1990	2/	830	2/	91	2/	99,337	2/	10,149

1/ An operation is any place having one or more head of the species on hand at any time during the year.
2/ Not available until January, 1991.

ALL CATTLE AND CALVES: Number on farms and value, Arizona, January 1, 1979-90

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
	1,000 head									Dollars	1,000 Dol.
1979	1,200	287	70	60	15	17	504	25	222	385	462,000
1980	1,050	258	72	45	13	27	420	24	191	465	488,250
1981	1,075	285	75	49	17	32	361	26	230	460	494,500
1982	1,000	275	80	49	19	25	334	26	192	410	410,000
1983	1,000	278	82	37	21	17	306	29	230	400	400,000
1984	980	268	82	32	15	14	305	24	240	385	377,300
1985	1,050	272	83	37	18	10	350	30	250	395	414,750
1986	1,050	293	88	47	21	10	306	31	254	375	393,750
1987	1,000	268	87	54	20	18	285	30	238	385	385,000
1988	960	260	90	51	19	14	299	27	200	500	480,000
1989	880	263	92	49	20	12	262	26	156	565	497,200
1990	830	259	91	48	20	11	215	24	162	585	485,550

ALL CATTLE AND CALVES: Inventory, supply, and disposition, Arizona, 1979-90

Year	Inventory January 1	Calf crop	Inshipments	Marketings 1/		Farm slaughter 2/	Deaths	
				Cattle	Calves		Cattle	Calves
	1,000 head							
1979	1,200	265	690	955	89	2	32	27
1980	1,050	300	714	872	66	3	24	24
1981	1,075	280	567	773	85	2	24	38
1982	1,000	285	564	721	67	3	26	32
1983	1,000	275	617	810	44	3	25	30
1984	980	305	686	785	68	3	30	35
1985	1,050	325	545	736	70	3	25	36
1986	1,050	310	530	760	72	3	25	30
1987	1,000	295	540	743	71	5	26	30
1988	960	300	490	720	92	3	25	30
1989	880	290	410	605	92	3	25	25
1990	830							

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.

ALL CATTLE AND CALVES: Production and income, Arizona, 1979-89

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.			
1979	545,315	1,021,040	65.70	87.50	364,856	679,563	3,481	683,044
1980	621,015	920,945	65.10	74.60	408,539	602,298	6,541	608,839
1981	553,165	844,975	61.80	63.70	342,331	522,914	3,878	526,792
1982	504,865	767,855	60.10	61.70	304,132	461,956	4,310	466,266
1983	556,815	850,115	58.20	63.20	325,170	495,648	2,632	498,280
1984	603,925	836,840	60.30	59.40	363,898	504,388	4,594	508,982
1985	578,675	789,600	54.70	63.20	318,477	433,662	3,624	437,286
1986	552,270	812,910	51.90	58.60	287,311	423,085	2,774	425,859
1987	580,735	787,945	61.00	74.90	355,762	483,269	4,875	488,144
1988	531,780	779,560	65.80	87.30	352,027	518,411	3,050	521,461
1989	454,680	671,800	66.30	86.70	307,755	450,771	3,108	453,879

1/ Includes total live weight of livestock marketed, farm slaughter, and custom slaughter consumed on farms where produced, minus live weight of inshipments, and any increase or decrease in the live weight of inventory.
2/ Includes animals for slaughter market, as well as younger animals shipped to other States for feeding or breeding purposes. Excludes interfarm sales within the State and farm slaughter.
3/ Receipts from marketings and sale of farm slaughter.

ALL CATTLE AND CALVES: Number on farms, Arizona, by counties, January 1, 1979-90 1/

County and year	All cattle and calves	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		1,000 head
APACHE		COCHISE		COCONINO		GILA	
1979	53	1979	86	1979	50	1979	35
1980	50	1980	70	1980	44	1980	33
1981	55	1981	68	1981	47	1981	36
1982	60	1982	63	1982	48	1982	35
1983	55	1983	64	1983	50	1983	25
1984	56	1984	62	1984	43	1984	24
1985	65	1985	59	1985	46	1985	26
1986	73	1986	58	1986	52	1986	30
1987	57	1987	60	1987	48	1987	40
1988	54	1988	60	1988	47	1988	34
1989	54	1989	57	1989	49	1989	32
1990	52	1990	60	1990	46	1990	29
GRAHAM		GREENLEE		LA PAZ 2/		MARICOPA 3/	
1979	42	1979	15			1979	241
1980	40	1980	15			1980	235
1981	45	1981	18			1981	249
1982	32	1982	18			1982	246
1983	34	1983	18			1983	247
1984	30	1984	18	1984	3	1984	246
1985	41	1985	19	1985	3	1985	220
1986	44	1986	18	1986	2	1986	245
1987	44	1987	10	1987	5	1987	213
1988	39	1988	10	1988	4	1988	187
1989	38	1989	12	1989	4	1989	182
1990	34	1990	9	1990	2	1990	181
MOHAVE		NAVAJO		PIMA		PINAL 3/	
1979	45	1979	48	1979	60	1979	290
1980	40	1980	42	1980	50	1980	215
1981	45	1981	47	1981	48	1981	209
1982	39	1982	45	1982	49	1982	163
1983	41	1983	47	1983	51	1983	166
1984	40	1984	45	1984	45	1984	164
1985	38	1985	47	1985	43	1985	210
1986	35	1986	53	1986	49	1986	197
1987	25	1987	60	1987	50	1987	192
1988	23	1988	50	1988	45	1988	220
1989	23	1989	50	1989	48	1989	148
1990	18	1990	45	1990	42	1990	139

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

Continued--

2/ La Paz County created from Yuma County in 1983.

3/ 1985 through 1990 county data revised October 1991.

ALL CATTLE AND CALVES: Number on farms, Arizona, by counties, January 1, 1979-90 1/--continued

County and year	All cattle and calves	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		1,000 head
SANTA CRUZ		YAVAPAI		YUMA 2/		ARIZONA	
1979	20	1979	65	1979	150	1979	1,200
1980	16	1980	60	1980	140	1980	1,050
1981	16	1981	67	1981	125	1981	1,075
1982	14	1982	64	1982	124	1982	1,000
1983	15	1983	64	1983	123	1983	1,000
1984	13	1984	65	1984	126	1984	980
1985	22	1985	73	1985	138	1985	1,050
1986	20	1986	72	1986	102	1986	1,050
1987	22	1987	65	1987	109	1987	1,000
1988	20	1988	53	1988	114	1988	960
1989	18	1989	60	1989	105	1989	880
1990	16	1990	57	1990	100	1990	830

1/ Includes range cattle and calves, milk cows, and cattle on feed.
2/ La Paz County created from Yuma County in 1983.

MILK COWS: Number on farms, Arizona, by counties, January 1, 1979-90

County and year	Milk cows	County and year	Milk cows	County and year	Milk cows	County and year	Milk cows
	1,000 head		1,000 head		1,000 head		1,000 head
MARICOPA		PIMA		PINAL		OTHER COUNTIES	
1979	58	1979	5	1979	2	1979	5
1980	57	1980	6	1980	2	1980	7
1981	62	1981	6	1981	2	1981	5
1982	68	1982	6	1982	2	1982	4
1983	69	1983	6	1983	2	1983	5
1984	70	1984	6	1984	2	1984	4
1985	71	1985	4	1985	2	1985	6
1986	79	1986	4	1986	2	1986	3
1987	78	1987	4	1987	3	1987	2
1988	77	1988	5	1988	5	1988	3
1989	77	1989	5	1989	7	1989	3
1990	76	1990	3	1990	7	1990	5
ARIZONA							
1979	70						
1980	72						
1981	75						
1982	80						
1983	82						
1984	82						
1985	83						
1986	88						
1987	87						
1988	90						
1989	92						
1990	91						

CATTLE AND CALVES: Number on feed, placements, marketings, and other disappearance, Arizona, 1979-89

MONTH	1979	1980	1981	1982	1983	1984
			1,000 head			
JANUARY						
Number on feed January 1	490	420	401	330	385	407
Placed on feed during January	53	42	38	33	45	54
Marketed during January	56	56	30	31	36	46
Other disappearance during January	34	17	9	7	15	8
FEBRUARY						
Number on feed February 1	453	389	400	325	379	407
Placed on feed during February	39	45	40	38	32	52
Marketed during February	50	46	32	33	38	51
Other disappearance during February	14	28	26	8	13	4
MARCH						
Number on feed March 1	428	360	382	322	360	404
Placed on feed during March	35	27	32	35	31	48
Marketed during March	72	45	52	37	41	49
Other disappearance during March	11	18	16	12	2	13
APRIL						
Number on feed April 1	380	324	346	308	348	390
Placed on feed during April	40	24	46	40	38	64
Marketed during April	53	50	46	50	47	53
Other disappearance during April	6	8	13	9	2	25
MAY						
Number on feed May 1	361	290	333	289	337	376
Placed on feed during May	91	42	44	72	79	53
Marketed during May	72	41	59	61	57	52
Other disappearance during May	10	4	7	15	2	17
JUNE						
Number on feed June 1	370	287	311	285	357	360
Placed on feed during June	68	59	31	64	57	56
Marketed during June	70	58	63	64	54	64
Other disappearance during June	5	4	3	5	4	11
JULY						
Number on feed July 1	363	284	276	280	356	341
Placed on feed during July	49	69	27	38	48	61
Marketed during July	73	54	60	42	47	46
Other disappearance during July	2	2	2	2	8	2
AUGUST						
Number on feed August 1	337	297	241	274	349	354
Placed on feed during August	43	65	59	55	66	67
Marketed during August	61	52	55	40	45	46
Other disappearance during August	3	3	2	2	4	6
SEPTEMBER						
Number on feed September 1	316	307	243	287	366	369
Placed on feed during September	69	62	64	64	48	68
Marketed during September	40	46	37	37	44	46
Other disappearance during September	5	6	3	3	7	6
OCTOBER						
Number on feed October 1	340	317	267	311	363	385
Placed on feed during October	82	88	69	80	77	69
Marketed during October	37	40	31	37	39	46
Other disappearance during October	18	5	2	3	7	10
NOVEMBER						
Number on feed November 1	367	360	303	351	394	398
Placed on feed during November	62	71	47	69	59	60
Marketed during November	38	39	26	37	39	35
Other disappearance during November	6	10	4	8	7	3
DECEMBER						
Number on feed December 1	385	382	320	375	407	420
Placed on feed during December	100	53	44	46	65	45
Marketed during December	46	27	28	27	46	36
Other disappearance during December	19	7	6	9	19	10

Continued--

CATTLE AND CALVES: Number on feed, placements, marketings, and other disappearance, Arizona, 1979-89--continued

MONTH	1985	1986	1987	1988	1989
			1,000 head		
JANUARY					
Number on feed January 1	419	344	343	351	275
Placed on feed during January	33	23	31	28	16
Marketed during January	44	28	33	29	22
Other disappearance during January	18	5	12	11	9
FEBRUARY					
Number on feed February 1	390	334	329	339	260
Placed on feed during February	30	14	32	29	15
Marketed during February	35	32	33	35	24
Other disappearance during February	9	4	10	21	5
MARCH					
Number on feed March 1	376	312	318	312	246
Placed on feed during March	26	20	29	28	30
Marketed during March	45	40	41	43	34
Other disappearance during March	14	1	9	6	5
APRIL					
Number on feed April 1	343	291	297	291	237
Placed on feed during April	27	31	36	41	24
Marketed during April	52	36	46	54	45
Other disappearance during April	3	1	9	9	9
MAY					
Number on feed May 1	315	285	278	269	207
Placed on feed during May	39	46	44	35	14
Marketed during May	52	45	54	59	42
Other disappearance during May	14	10	13	16	9
JUNE					
Number on feed June 1	288	276	255	229	170
Placed on feed during June	39	21	52	37	23
Marketed during June	68	58	62	52	36
Other disappearance during June	6	1	2	3	2
JULY					
Number on feed July 1	253	238	243	211	155
Placed on feed during July	31	34	45	26	31
Marketed during July	55	50	43	35	30
Other disappearance during July	2	1	7	2	3
AUGUST					
Number on feed August 1	227	221	238	200	153
Placed on feed during August	56	74	67	35	43
Marketed during August	42	39	34	35	24
Other disappearance during August	2	2	3	1	1
SEPTEMBER					
Number on feed September 1	239	254	268	199	171
Placed on feed during September	50	52	64	44	43
Marketed during September	33	34	26	27	19
Other disappearance during September	8	1	6	2	2
OCTOBER					
Number on feed October 1	248	271	300	214	193
Placed on feed during October	95	74	69	70	62
Marketed during October	27	41	28	21	18
Other disappearance during October	6	1	2	4	1
NOVEMBER					
Number on feed November 1	310	303	339	259	236
Placed on feed during November	69	59	39	40	41
Marketed during November	31	32	33	22	25
Other disappearance during November	6	2	3	7	1
DECEMBER					
Number on feed December 1	342	328	342	270	251
Placed on feed during December	37	49	40	31	27
Marketed during December	26	27	27	16	23
Other disappearance during December	9	7	4	10	2

CATTLE ON FEED: Inventory by class and weight group, Arizona, quarterly, January 1, 1979 - April 1, 1990

Date	Total	Steers and steer calves	Heifers and heifer calves	Cows and others	Weight group: Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 lbs. and over
	1,000 head								
1979									
Jan. 1	490	466	22	2	117	119	136	98	18
Apr. 1	380	369	10	1	85	85	120	85	4
July 1	363	347	15	1	55	106	83	112	6
Oct. 1	340	329	9	2	81	103	92	60	2
1980									
Jan. 1	420	410	9	1	118	114	110	75	2
Apr. 1	324	315	8	1	43	75	104	95	6
July 1	284	275	8	1	59	68	79	76	1
Oct. 1	317	310	6	1	76	80	98	61	1
1981									
Jan. 1	401	380	18	3	101	124	89	76	8
Apr. 1	346	335	10	1	45	79	116	100	5
July 1	276	266	9	1	48	66	69	90	2
Oct. 1	267	258	8	1	60	68	75	61	2
1982									
Jan. 1	330	314	15	1	46	73	105	98	7
Apr. 1	308	294	13	1	55	76	93	79	4
July 1	280	265	14	1	81	71	59	64	4
Oct. 1	311	302	8	1	80	84	76	52	18
1983									
Jan. 1	385	374	10	1	105	127	99	51	2
Apr. 1	348	340	7	1	49	106	118	71	3
July 1	356	345	11	0	66	79	118	89	4
Oct. 1	363	344	19	0	77	91	97	88	10
1984									
Jan. 1	407	399	8	0	113	121	108	57	8
Apr. 1	390	383	7	0	49	103	114	113	11
July 1	341	332	9	0	81	85	106	68	1
Oct. 1	385	378	7	0	111	110	92	59	13
1985									
Jan. 1	419	414	5	0	70	123	128	93	5
Apr. 1	343	336	7	0	40	56	124	116	7
July 1	253	247	6	0	47	60	88	50	8
Oct. 1	248	244	4	0	59	82	59	44	4
1986									
Jan. 1	344	337	7	0	57	124	116	42	5
Apr. 1	291	283	8	0	43	82	102	58	6
July 1	238	230	8	0	27	49	73	85	4
Oct. 1	271	267	4	0	60	86	71	50	4

Continued--

CATTLE ON FEED: Inventory by class and weight group, Arizona, quarterly, January 1, 1979 - April 1, 1990--continued

Date	Total	Steers and steer calves	Heifers and heifer calves	Cows and others	Weight group: Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 lbs. and over
	1,000 head								
1987									
Jan. 1	343	334	9	0	86	124	92	38	3
Apr. 1	297	291	6	0	35	78	118	65	1
July 1	243	239	4	0	36	66	84	55	2
Oct. 1	300	296	4	0	90	95	70	43	2
1988									
Jan. 1	351	343	8	0	63	124	90	73	1
Apr. 1	291	284	7	0	37	59	86	100	9
July 1	211	207	4	0	39	43	71	55	3
Oct. 1	214	209	5	0	67	54	57	30	6
1989									
Jan. 1	275	265	10	0	43	88	81	58	5
Apr. 1	237	232	5	0	36	40	77	80	4
July 1	155	151	4	0	22	35	47	47	4
Oct. 1	193	186	7	0	40	76	47	28	2
1990									
Jan. 1	253	241	12	0	54	74	67	55	3
Apr. 1	213	202	11	0	40	48	69	54	2

CATTLE ON FEED: Number of feedlots and marketings by capacity, Arizona, 1979-89

Year	Feedlot capacity in number of head: Under 15,999		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
1979	13	60	5	101	10	507	28	668
1980	18	53	5	93	10	408	33	554
1981	10	26	8	117	9	376	27	519
1982	15	54	7	215	6	227	28	496
1983	10	28	11	259	5	246	26	533
1984	13	51	8	238	5	281	26	570
1985	13	36	6	159	6	315	25	510
1986	10	19	6	159	6	284	22	462
1987	9	17	6	177	5	266	20	460
1988	8	15	5	112	5	301	18	428
1989	7	15	5	113	3	214	15	342

CATTLE ON FEED: Arizona, by counties, monthly, 1979-90 1/

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
						1,000 head						
						1979						
Maricopa	113	95	93	72	67	77	85	84	79	79	90	91
Pinal	247	232	219	208	203	205	194	166	153	165	180	185
Yuma	123	120	110	94	85	79	77	82	79	90	91	103
Other	7	6	6	6	6	9	7	5	5	6	6	6
ARIZONA	490	453	428	380	361	370	363	337	316	340	367	385
						1980						
Maricopa	115	110	100	83	73	83	92	93	94	97	110	114
Pinal	183	163	151	140	123	111	106	123	131	134	151	164
Yuma	115	110	103	95	88	87	81	76	78	81	95	99
Other	7	6	6	6	6	6	5	5	4	5	4	5
ARIZONA	420	389	360	324	290	287	284	297	307	317	360	382
						1981						
Maricopa	119	121	113	101	102	99	95	85	88	96	108	111
Pinal	177	177	171	151	137	127	108	95	88	98	106	111
Yuma	99	97	93	90	90	81	70	58	64	70	86	95
Other	6	5	5	4	4	4	3	3	3	3	3	3
ARIZONA	401	400	382	346	333	311	276	241	243	267	303	320
						1982						
Maricopa	114	110	112	103	97	99	98	98	98	97	108	108
Pinal	113	112	111	105	99	98	101	101	105	116	128	139
Yuma	99	100	96	96	89	85	78	72	81	94	111	123
Other	4	3	3	4	4	3	3	3	3	4	4	5
ARIZONA	330	325	322	308	289	285	280	274	287	311	351	375
						1983						
Maricopa	105	104	100	95	90	97	93	90	93	89	95	92
Pinal	145	141	127	121	122	134	144	145	159	170	186	192
Yuma	130	129	128	127	121	122	115	110	110	100	109	119
Other	5	5	5	5	4	4	4	4	4	4	4	4
ARIZONA	385	379	360	348	337	357	356	349	366	363	394	407
						1984						
Maricopa	93	88	83	81	80	80	80	84	79	80	91	102
Pinal	187	185	189	177	164	149	135	142	162	172	173	185
Yuma	122	130	129	129	129	127	123	125	125	130	131	131
Other	5	4	3	3	3	4	3	3	3	3	3	2
ARIZONA	407	407	404	390	376	360	341	354	369	385	398	420
						1985						
Maricopa	98	91	87	74	74	72	64	60	61	64	81	89
Pinal	184	170	161	146	131	114	96	83	97	104	138	158
Yuma	133	126	125	119	107	98	91	83	80	80	91	95
Other	4	3	3	4	3	4	2	1	1	0	0	0
ARIZONA	419	390	376	343	315	288	253	227	239	248	310	342
						1986						
Maricopa	83	81	71	67	72	70	63	64	73	72	76	82
Pinal	162	154	145	135	126	116	95	81	101	111	138	150
Yuma	99	99	96	89	87	90	80	76	80	88	89	96
Other	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	344	334	312	291	285	276	238	221	254	271	303	328

See footnotes at end of table. Continued--

CATTLE ON FEED: Arizona, by counties, monthly, 1979-90-1/--continued

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
						1,000 head						
						1987						
Maricopa	68	56	48	41	37	33	30	26	29	30	35	36
Pinal	170	175	170	160	140	128	124	125	140	161	189	194
Yuma	105	98	100	96	101	94	89	87	99	109	115	112
Other	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	343	329	318	297	278	255	243	238	268	300	339	342
						1988						
Maricopa	37	36	34	29	29	25	25	26	29	34	39	40
Pinal	200	193	173	161	137	113	93	85	87	92	121	129
Yuma	113	110	105	101	104	91	92	88	83	88	98	101
Other	1	0	0	0	0	0	1	1	0	0	1	0
ARIZONA	351	339	312	291	269	229	211	200	199	214	259	270
						1989						
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
Other	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	275	260	246	237	207	170	155	153	171	193	236	251
						1990						
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
Other	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	253	246	234	213	196	172	160	158	165	180	204	224

1/ 1984 through 1990 county data revised October 1991

FED CATTLE MARKETED FOR SLAUGHTER: Arizona, by counties, 1979-89 1/

Year	Maricopa	Pinal	Yuma	Other	Total
			1,000 head		
1979	212	310	138	8	668
1980	184	235	127	8	554
1981	190	205	117	7	519
1982	193	174	122	7	496
1983	173	203	149	8	533
1984	160	246	155	9	570
1985	137	216	153	4	510
1986	138	209	115	0	462
1987	91	233	136	0	460
1988	49	229	149	1	428
1989	47	172	123	0	342

1/ 1983 through 1989 county data revised October 1991.

ALL CATTLE: Monthly and marketing year average prices received by producers, Arizona, 1979-89

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
							Dollars per cwt.						
							ALL BEEF CATTLE 1/						
1979	58.90	64.80	70.10	72.80	71.70	65.70	66.20	61.40	64.20	62.60	66.70	66.30	65.70
1980	62.60	67.60	67.70	65.30	65.60	66.50	67.20	68.10	64.20	63.60	62.40	60.80	65.10
1981	59.90	59.00	59.10	65.00	63.20	63.80	64.10	65.00	64.40	58.70	56.30	55.80	61.80
1982	59.30	60.00	62.70	64.90	65.80	61.80	62.10	61.50	57.00	54.90	55.70	52.10	60.10
1983	55.20	59.80	62.70	62.00	60.60	59.60	59.10	57.20	55.40	53.80	55.20	59.10	58.20
1984	62.10	61.60	62.20	63.00	59.60	59.70	61.20	60.00	58.00	57.80	60.10	57.10	60.30
1985	59.40	60.50	59.70	56.60	55.40	54.50	51.50	49.50	49.10	52.50	53.30	53.40	54.70
1986	52.50	51.40	52.80	49.80	51.40	50.60	54.00	54.00	52.40	52.90	50.20	51.10	51.90
1987	55.30	58.70	60.60	63.10	64.20	63.50	60.80	61.10	61.60	57.60	57.60	59.90	61.00
1988	59.50	65.10	68.00	66.80	69.40	65.50	64.50	67.50	65.70	65.50	64.00	61.90	65.80
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
							STEERS AND HEIFERS						
1979	61.20	66.90	72.70	75.60	74.80	68.90	69.80	64.50	67.30	65.30	70.30	69.40	68.70
1980	66.50	70.40	68.40	65.90	66.40	67.10	70.00	71.50	69.20	68.70	68.50	68.90	68.30
1981	66.60	64.60	62.40	67.10	65.90	67.10	65.50	66.60	67.40	63.40	62.00	60.80	65.30
1982	61.80	62.70	65.20	67.50	69.40	66.30	64.80	64.30	60.50	58.90	59.70	58.20	63.60
1983	60.00	62.10	65.30	67.90	64.70	63.00	61.40	60.60	57.50	57.90	58.10	63.20	61.50
1984	66.30	64.70	66.40	65.50	62.70	62.00	63.00	61.80	60.70	61.60	64.00	63.70	63.40
1985	63.30	63.70	61.90	58.70	57.80	56.20	52.40	52.80	52.40	57.60	60.40	60.60	57.90
1986	58.60	55.80	55.50	52.90	53.70	52.40	55.10	56.60	55.40	57.60	56.70	57.90	55.20
1987	58.50	62.40	62.80	66.70	67.50	65.80	63.30	65.50	66.80	64.60	64.40	64.00	64.60
1988	65.90	68.00	69.60	70.70	72.50	68.20	66.40	69.60	69.20	71.80	72.80	71.40	69.80
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
							CALVES						
1979	78.90	85.90	89.50	102.00	93.00	85.50	86.70	82.80	85.50	84.60	88.30	83.50	87.50
1980	82.50	84.50	81.90	73.30	70.10	72.70	72.00	72.50	75.50	74.20	71.20	69.20	74.60
1981	68.30	68.70	66.50	68.60	62.20	62.70	62.60	63.90	62.20	60.90	59.70	59.50	63.70
1982	59.40	62.50	64.70	65.40	63.80	61.40	59.20	62.40	61.50	59.90	59.20	61.10	61.70
1983	62.70	64.70	72.30	66.40	64.00	62.70	58.90	62.00	58.00	59.10	60.80	63.00	63.20
1984	60.40	60.50	60.70	59.20	56.90	54.60	57.50	62.20	57.90	59.70	57.00	60.50	59.40
1985	66.60	68.90	66.50	66.70	64.70	57.30	51.00	56.20	58.30	63.60	60.50	60.70	63.20
1986	59.50	60.70	55.80	54.50	52.50	51.20	54.30	59.70	63.10	60.70	62.60	60.60	58.60
1987	65.10	68.80	69.40	72.20	72.70	72.50	73.60	81.70	87.40	79.90	81.60	78.70	74.90
1988	87.00	90.60	86.90	86.10	87.20	78.20	80.00	88.10	86.90	86.90	89.40	88.40	87.30
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
							COWS 2/						
1979	45.50	52.80	55.20	56.90	54.00	47.60	45.60	44.00	46.50	47.50	46.10	48.60	48.90
1980	47.40	51.40	49.20	45.40	41.70	43.80	43.40	46.40	46.00	45.20	42.10	42.40	45.50
1981	43.20	43.60	43.90	43.40	40.40	42.50	42.30	42.70	41.10	38.80	35.30	35.00	41.20
1982	36.70	38.40	39.50	38.90	39.50	39.00	39.60	39.60	39.30	36.20	34.30	35.30	37.60
1983	35.30	40.50	42.60	40.50	40.10	39.50	38.20	38.60	37.60	36.00	34.90	34.70	38.00
1984	35.90	39.50	42.40	43.70	36.70	38.40	36.50	39.20	37.60	38.40	33.70	34.90	38.30
1985	39.10	41.60	41.30	40.00	36.50	35.10	34.00	34.30	33.20	33.10	32.50	32.80	35.70
1986	34.10	35.90	36.80	34.00	33.70	33.30	33.40	36.70	37.90	34.90	34.00	35.00	35.00
1987	40.00	41.80	43.00	42.20	41.40	41.70	42.50	44.00	45.70	43.00	42.10	43.30	42.60
1988	46.90	48.10	48.70	46.90	45.40	42.60	43.40	46.00	44.40	43.80	43.40	44.90	45.20
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

1/ Includes steers and heifers, and cows.

2/ Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter.

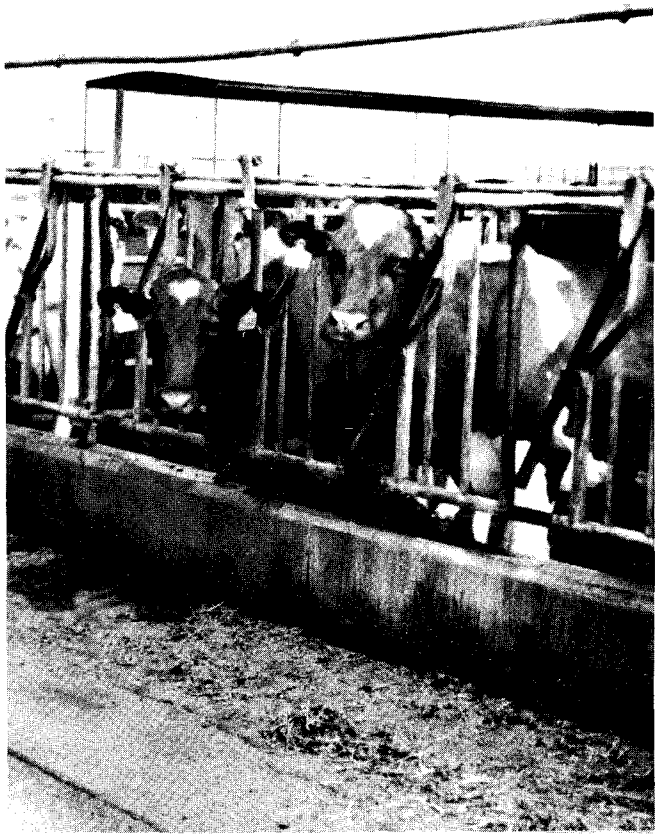
DAIRY

The Arizona dairy industry has experienced steady growth over the last 10 years. In 1980, the average number of milk cows totaled 72,000 head and by 1989, the average reached 91,000 head. Dairy operations in Arizona are among the most modern and efficient in the country, with producers concentrating on state-of-the-art milking and herd management practices. Arizona's average commercial herd size is nearly 700 head.

The average number of cows milked increased 2 percent in 1989 to a record level of 91,000 head in Arizona dairies. This is up from last year's average of 89,000 head. Milk production per cow decreased a slight 1 percent with an average of 16,736 pounds of milk. This was a decrease of 118 pounds from 1988, and moved Arizona from fourth to fifth in the National State rankings of milk production per cow behind New Mexico (18,552 lbs./cow), Washington (18,209 lbs./cow), California (17,530 lbs./cow), and Colorado (16,803 lbs./cow).

Arizona's total milk production also hit a record high in 1989 with 1.52 million pounds being produced. Total U.S. milk production declined 1 percent in 1989 to 144 billion pounds. The annual average number of cows was 10.1 million head, down 1 percent from the average in 1988.

Producer's cash receipts from milk were up 1 percent in 1989 to 205.9 million dollars. This increase occurred partly due to a $1.20 increase in price per hundredweight of milk marketed by producers in 1988.



DAIRY: Milk cows and milk production, Arizona, quarterly, 1979-89

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.				
1979	72	72	71	72	72	225	243	232	241	941
1980	74	76	75	75	75	257	271	245	258	1,031
1981	76	77	77	79	77	280	295	263	295	1,133
1982	81	81	81	82	81	310	312	274	306	1,202
1983	83	83	83	82	83	319	331	282	305	1,237
1984	83	83	82	82	83	329	330	263	300	1,222
1985	84	86	87	88	86	335	360	315	338	1,348
1986	89	87	83	84	86	368	363	303	334	1,368
1987	89	91	91	90	90	366	371	331	364	1,432
1988	90	89	88	90	89	401	398	334	367	1,500
1989	88	89	93	94	91	396	392	338	397	1,523

DAIRY: Milk cows, production of milk and milkfat, and value, Arizona, 1979-89

Year	Milk cows 1/	Production per milk cow		Milkfat percent	Total production		Value
		Milk	Milkfat		Milk	Milkfat	Total milk produced 2/
	1,000 head	Lbs.			Million lbs.		1,000 dol.
1979	72	13,069	469	3.59	941	33.8	120,247
1980	75	13,747	496	3.61	1,031	37.2	138,439
1981	77	14,714	530	3.60	1,133	40.8	160,050
1982	81	14,840	542	3.65	1,202	43.9	167,361
1983	83	14,904	540	3.62	1,237	44.8	172,226
1984	83	14,723	532	3.61	1,222	44.1	169,135
1985	86	15,674	580	3.70	1,348	49.9	184,753
1986	86	15,907	587	3.69	1,368	50.5	173,736
1987	90	15,911	592	3.72	1,432	53.3	183,296
1988	89	16,854	632	3.75	1,500	56.3	186,000
1989	91	16,736	616	3.68	1,523	56.0	207,128

1/ Average number on farms during year, excluding heifers not yet fresh.
2/ Includes sales of milk, cream and butter, value of milk used for home consumption and value of milk fed to calves.

MILK USED AND MARKETED BY PRODUCERS: Arizona, 1979-89

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.					
1979	9	1	10	885	46	931
1980	5	1	6	1,020	5	1,025
1981	7	1	8	1,120	5	1,125
1982	6	1	7	1,190	5	1,195
1983	6	1	7	1,225	5	1,230
1984	6	1	7	1,210	5	1,215
1985	6	1	7	1,340	1	1,341
1986	6	1	7	1,361	1/	1,361
1987	5	1	6	1,426	1/	1,426
1988	8	2	10	1,490	1/	1,490
1989	7	2	9	1,514	1/	1,514

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

MILK PRODUCTION: Marketings and income, Arizona, 1979-89

Year	Combined marketings of milk and cream				Used for milk, cream and butter where produced		Gross producer income
	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.	
1979	931	12.78	3.56	118,969	1	128	119,097
1980	1,025	13.43	3.72	137,633	1	134	137,768
1981	1,125	14.13	3.93	158,920	1	141	159,061
1982	1,195	13.92	3.81	166,387	1	139	166,526
1983	1,230	13.92	3.85	171,252	1	139	171,391
1984	1,215	13.84	3.83	168,166	1	138	168,304
1985	1,341	13.71	3.70	183,794	1	137	183,931
1986	1,361	12.70	3.44	172,847	1	127	172,974
1987	1,426	12.80	3.44	182,528	1	128	182,656
1988	1,490	12.40	3.31	184,760	2	248	185,008
1989	1,514	13.60	3.70	205,904	2	272	206,176

GRAIN AND OTHER CONCENTRATES: Quantity fed to milk cows and value, Arizona, 1979-89 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
1979	268	7,450	57	6.94	3.96
1980	248	6,600	48	7.78	3.73
1981	261	6,770	46	8.40	3.86
1982	272	6,688	45	7.35	3.32
1983	291	7,000	47	7.78	3.66
1984	287	6,920	47	8.00	3.76
1985	310	7,210	46	7.14	3.28
1986	322	7,480	47	6.72	3.16
1987	351	7,800	49	6.22	3.05
1988	360	8,090	48	6.88	3.30
1989	366	8,030	48	7.30	3.49

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

DAIRY PLANTS: Arizona, 1979-89 1/

1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
					Number					
13	13	12	12	10	8	8	7	7	7	8

1/ Plants manufacturing one or more dairy products.

ICE CREAM: Production, Arizona, monthly and annual, 1979-89

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							1,000 gallons						
1979	461	515	562	564	549	630	590	583	508	515	431	300	6,208
1980	520	466	470	639	585	614	580	594	561	494	375	463	6,361
1981	436	533	513	558	564	615	607	534	532	469	399	413	6,173
1982 1/	449	462	532			1,788			1,748			1,217	6,196
1983	496	509	584	555	600	674	623	572	550	523	326	429	6,441
1984	534	587	555	551	645	586	596	620	521	559	418	393	6,565
1985	458	550	518	605	635	618	612	591	546	572	397	435	6,537
1986	639	468	672	615	619	547	627	639	520	570	352	443	6,711
1987	450	594	595	688	642	707	679	619	540	592	460	340	6,906
1988	430	674	726	584	611	506	605	700	707	628	423	418	7,012
1989	613	671	763	617	601	687	712	668	585	608	508	409	7,442

1/ Monthly estimates discontinued April through December.

ICE MILK: Production, Arizona, monthly and annual, 1979-89

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							1,000 gallons						
1979	281	318	400	393	382	320	318	431	327	323	274	239	4,006
1980	310	341	412	410	428	437	428	396	427	408	315	318	4,630
1981	326	369	383	419	406	451	435	394	382	358	295	302	4,520
1982 1/													
1983 1/													
1984	284	305	360	364	434	400	402	434	319	354	286	256	4,198
1985	331	310	388	416	472	435	431	439	412	443	326	320	4,723
1986	399	377	426	472	460	454	475	458	434	436	366	377	5,134
1987	351	441	490	517	515	576	611	494	518	488	394	361	5,756
1988	362	459	512	503	512	518	451	553	514	482	439	438	5,743
1989	394	441	580	532	590	542	540	588	558	434	383	337	5,919

1/ Not published to avoid disclosure of individual operations.

MILK SHERBET: Production, Arizona, monthly and annual, 1979-89

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							1,000 gallons						
1979	26	28	28	33	36	39	39	52	25	31	24	19	380
1980	25	29	31	29	37	56	47	26	43	22	24	23	392
1981	29	25	31	47	33	37	38	39	41	29	22	27	398
1982 1/	27	24	40			116			99			73	379
1983	21	43	37	39	44	66	58	53	64	42	24	39	530
1984	45	55	45	56	55	64	53	80	48	54	32	39	626
1985	48	40	49	68	80	63	54	72	48	45	32	33	632
1986	79	33	58	44	53	86	70	51	39	51	29	45	638
1987	34	51	67	72	59	68	84	62	71	38	41	28	675
1988	39	56	60	52	63	65	79	56	50	55	34	32	641
1989	42	29	57	56	59	42	59	50	46	42	32	51	565

1/ Monthly estimates discontinued April through December, estimated on quarterly basis.

SHEEP, LAMBS, AND WOOL

The inventory of sheep and lambs on Arizona farms and ranches has declined 32 percent over the last 10 years, from a high of 385,000 head on January 1, 1980, to 262,000 head on January 1, 1990. This continues the declining trend in total sheep and lambs which began almost 75 years ago. In 1917, 1.42 million sheep and lambs were reported in Arizona.

The number of sheep and lambs on Arizona farms and ranches on January 1, 1990 totaled 262,000 head, down 8 percent from the same date a year earlier. Stock sheep accounted for 84 percent of the inventory coming in at 220,000 head; the remainder were sheep and lambs on feed. The number of sheep and lambs on feed as of January 1, 1990 totaled 42,000 head, slightly below the 45,000 on feed as of January 1, 1989. The 1989 lamb crop of 130,000 was up 4 percent from 1988.

Sheep and lamb marketings during 1989 totaled 189,000 head, an increase of 3 percent from a year earlier. There were 20.4 million pounds marketed during 1989. Cash receipts showed a decline of 3 percent to 10.7 million, down 8 percent from the 11.6 million received during 1988.

Wool production decreased 7 percent in 1989 to 1.63 million pounds. The number of head shorn was estimated at 240,000 and the average fleece weight was up to 6.8 pounds per head. The price per pound of wool increased to $1.10, up 2 percent from the $1.08 per pound received in 1989. This resulted in a value of production for wool shorn of $1.79 million, down 5 percent from the same date a year earlier.

SHEEP: Number of operations and inventory January 1, Arizona and United States, 1979-90 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1979	390	425	116,170	12,365.3
1980	450	385	120,110	12,699.0
1981	500	372	125,900	12,947.2
1982	450	377	128,170	12,996.8
1983	450	343	138,190	12,139.7
1984	500	306	120,850	11,558.6
1985	550	266	117,220	10,715.5
1986	600	278	112,580	10,144.7
1987	550	283	113,640	10,572.2
1988	500	284	113,440	10,945.4
1989	450	284	111,040	10,857.5
1990	2/	262	2/	11,368.4

1/ An operation is any place having one or more sheep on hand during the year.
2/ Not available until January, 1991.

SHEEP: By class, farm value and lamb crop, Arizona, January 1, 1979-90

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	
1979	313	27	85	425	57.50	24,447	270	215
1980	295	30	60	385	68.50	26,373	246	200
1981	296	29	47	372	54.50	20,274	240	210
1982	289	31	57	377	68.00	25,636	235	180
1983	252	41	50	343	64.50	22,124	201	150
1984	226	35	45	306	69.50	21,267	178	125
1985	196	36	34	266	62.00	16,492	148	112
1986	205	41	32	278	66.50	18,487	161	112
1987	185	34	64	283	68.00	19,244	144	120
1988	208	29	47	284	89.50	25,418	180	125
1989	211	28	45	284	90.00	25,560	185	130
1990	197	23	42	262	89.00	23,318	170	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, 1991.

SHEEP AND LAMBS: Inventory, supply, and disposition, Arizona, 1979-January 1, 1990

Year	Inventory January 1	Lamb crop	Inshipments	Marketings 1/		Farm slaughter 2/	Deaths	
				Sheep	Lambs		Sheep	Lambs
	1,000 head							
1979	425	215	70	53	178	52	24	18
1980	385	200	55	61	136	41	15	15
1981	372	210	56	49	133	45	17	17
1982	377	180	99	94	129	45	25	20
1983	343	150	97	93	115	41	20	15
1984	306	125	99	131	88	20	15	10
1985	266	112	135	118	75	20	10	12
1986	278	112	138	157	52	15	10	11
1987	283	120	95	63	117	14	9	11
1988	284	125	93	67	117	13	9	12
1989	284	130	71	75	114	13	9	12
1990	262							

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, 1979-89

Year	Production 1/	Marketings 2/	Average price per 100 pounds		Value of production	Cash receipts 3/	Value of home consumption	Gross income
			Sheep	Lambs				
	1,000 lbs.		Dollars		1,000 dol.			
1979	20,145	24,556	20.50	65.90	11,587	13,472	2,261	15,733
1980	19,560	21,285	18.80	64.50	9,822	10,525	1,822	12,347
1981	20,550	19,590	18.70	54.60	8,865	8,675	1,708	10,383
1982	17,170	24,350	19.20	56.00	7,394	9,660	1,752	11,412
1983	12,850	21,040	15.70	55.70	4,789	7,443	1,421	8,864
1984	11,640	23,000	17.90	60.70	4,288	7,511	626	8,137
1985	10,910	18,795	19.70	69.50	3,917	6,885	931	7,816
1986	9,790	21,190	15.30	64.60	3,445	5,554	507	6,061
1987	12,540	19,260	21.40	74.80	6,029	10,369	605	10,974
1988	12,885	19,740	26.70	80.70	8,128	11,589	660	12,249
1989	12,795	20,400	27.90	71.50	7,354	10,662	625	11,287

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, 1979-90

County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs	County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs
	1,000 head					1,000 head			
APACHE					COCONINO				
1979	116	0	116	5	1979	60	0	60	4
1980	105	0	105	5	1980	58	0	58	4
1981	105	0	105	5	1981	60	0	60	4
1982	105	0	105	5	1982	58	0	58	4
1983	91	0	91	4	1983	51	0	51	3
1984	82	0	82	6	1984	47	0	47	4
1985	91	0	91	10	1985	28	0	28	2
1986	95	0	95	13	1986	29	0	29	3
1987	85	0	85	8	1987	27	0	27	2
1988	92	0	92	7	1988	31	0	31	2
1989	94	0	94	15	1989	33	0	33	6
1990	90	0	90	13	1990	30	3/	30	6
MARICOPA					NAVAJO				
1979	70	51	121	32	1979	52	0	52	3
1980	72	36	108	30	1980	50	0	50	3
1981	68	27	95	35	1981	52	0	52	3
1982	64	31	95	32	1982	50	0	50	3
1983	68	12	80	25	1983	44	0	44	2
1984	57	12	69	29	1984	49	0	49	3
1985	35	9	44	19	1985	59	0	59	6
1986	38	6	44	22	1986	62	0	62	7
1987	26	15	41	14	1987	55	0	55	5
1988	24	17	41	13	1988	59	0	59	4
1989	18	13	31	10	1989	62	0	62	9
1990	18	10	28	10	1990	60	0	60	9
PINAL					YUMA				
1979	19	21	40	7	1979	23	13	36	5
1980	19	15	34	7	1980	21	9	30	5
1981	19	13	32	8	1981	21	7	28	5
1982	19	10	29	8	1982	20	16	36	8
1983	21	16	37	7	1983	15	22	37	5
1984	14	13	27	8	1984	7	10	17	4
1985	9	8	17	5	1985	2	14	16	1
1986	11	12	23	6	1986	2	11	13	1
1987	9	18	27	3	1987	5	29	34	1
1988	13	14	27	4	1988	8	15	23	3
1989	17	19	36	9	1989	7	12	19	4
1990	11	15	26	7	1990	7	12	19	4

See footnotes at end of table.

Continued--

SHEEP AND LAMBS: Number on farms, Arizona, by counties, January 1, 1979-90--continued

County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs	County and year	Stock sheep and lambs 1/	Sheep and lambs on feed 2/	All sheep and lambs 1/	New crop lambs
	1,000 head					1,000 head			
OTHER COUNTIES					ARIZONA				
1979	0	0	0	0	1979	340	85	425	56
1980	0	0	0	0	1980	325	60	385	54
1981	0	0	0	0	1981	325	47	372	60
1982	4	0	4	0	1982	320	57	377	60
1983	3	0	3	0	1983	293	50	343	46
1984	5	10	15	1	1984	261	45	306	55
1985	8	3	11	2	1985	232	34	266	45
1986	9	3	12	5	1986	246	32	278	57
1987	12	2	14	4	1987	219	64	283	37
1988	10	1	11	3	1988	237	47	284	36
1989	8	1	9	3	1989	239	45	284	56
1990	4	5	9	4	1990	220	42	262	53

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.
3/ Included in other counties.

WOOL PRODUCTION AND VALUE: Arizona, 1979-89

Year	All sheep shorn 1/	Weight per fleece	Shorn wool production	Average price per pound	Value of production 2/
	1,000 head	Lbs.	1,000 lbs.	Cents	1,000 dol.
1979	350	7.2	2,511	69	1,733
1980	326	7.1	2,329	77	1,793
1981	325	7.4	2,417	78	1,885
1982	320	7.4	2,368	56	1,326
1983	300	7.1	2,121	43	912
1984	281	7.2	2,017	51	1,029
1985	276	7.0	1,925	51	982
1986	305	6.7	2,055	53	1,089
1987	269	7.2	1,950	69	1,346
1988	267	6.6	1,750	108	1,890
1989	240	6.8	1,630	110	1,793

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

SHEEP, LAMBS, AND WOOL: Monthly and annual average prices received by producers, Arizona, 1979-89

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
							Dollars per cwt.						
							SHEEP						
1979	21.00	23.00	26.00	26.00	23.00	18.00	18.00	19.00	20.00	20.00	18.00	19.00	20.50
1980	21.00	25.00	24.00	19.00	18.00	20.00	15.00	19.00	16.00	17.00	16.00	16.00	18.80
1981	19.00	20.00	20.00	19.00	20.00	19.00	20.00	19.00	15.50	16.50	18.00	18.00	18.70
1982	19.50	21.50	23.00	21.50	19.30	20.00	21.00	21.00	18.00	16.00	15.00	14.00	19.20
1983	18.00	18.00	17.00	18.00	16.00	14.00	14.00	14.00	13.00	13.00	15.00	18.00	15.70
1984	18.00	21.00	18.00	18.00	16.00	16.50	17.00	19.00	19.70	19.60	21.00	26.20	17.90
1985	25.00	31.30	25.80	22.90	20.00	19.20	16.40	22.90	21.30	17.80	16.50	27.80	19.70
1986	29.00	24.80	15.00	15.20	24.30	26.50	32.20	22.90	24.20	20.30	20.80	21.40	15.30
1987	32.50	25.60	28.70	34.90	19.20	26.10	30.80	27.20	27.60	30.80	27.50	29.30	21.40
1988	29.30	27.50	26.50	28.80	28.60	26.80	26.10	27.40	24.60	21.90	22.10	26.60	26.70
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
							LAMBS						
1979	67.00	70.00	66.00	70.00	70.00	66.00	63.00	59.00	62.00	62.00	68.00	68.30	65.90
1980	68.50	65.50	68.00	58.00	55.00	66.00	66.50	68.00	68.00	64.00	63.50	63.50	64.50
1981	57.00	57.00	58.00	56.00	60.00	65.00	58.00	53.00	48.50	47.50	47.00	48.00	54.60
1982	48.50	52.00	58.00	60.00	63.00	60.00	58.00	54.00	53.00	50.00	48.50	52.00	56.00
1983	54.00	59.00	60.00	58.00	57.00	53.00	49.00	48.00	48.00	51.00	55.00	58.00	55.70
1984	59.00	58.50	58.00	60.00	60.00	60.50	60.50	62.00	64.50	64.00	64.00	64.00	60.70
1985	66.50	69.90	70.00	68.40	70.00	70.00	70.00	65.10	63.90	62.10	59.90	60.30	69.50
1986	56.30	65.00	65.50	69.00	68.20	61.90	55.50	66.50	69.40	65.90	56.80	60.50	64.60
1987	74.00	74.00	74.50	1/	79.00	79.20	73.40	73.10	69.60	66.50	63.50	70.30	74.80
1988	80.50	81.30	76.60	69.10	73.30	58.10	59.60	64.10	67.00	65.20	61.30	64.70	80.70
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
							WOOL						
1979	74.00	75.00	79.00	63.00	62.00	63.00	59.00	61.00	68.00	1/	87.00	83.00	69.00
1980	1/	92.00	87.00	73.00	63.00	64.00	71.00	78.00	77.00	80.00	87.00	102.00	77.00
1981	95.00	90.00	62.00	67.00	73.00	78.00	73.00	60.00	56.00	56.00	85.00	96.00	78.00
1982	93.00	92.00	94.00	39.00	40.00	39.00	36.00	32.00	34.00	90.00	41.00	45.00	56.00
1983	57.00	58.00	28.00	34.00	39.00	42.00	40.00	42.00	66.00	1/	72.00	73.00	43.00
1984	76.00	58.00	39.00	46.00	49.00	49.00	47.00	41.00	53.00	43.00	77.00	73.00	51.00
1985	75.00	75.00	61.00	36.00	40.00	41.00	63.00	45.00	48.00	66.00	67.00	64.00	51.00
1986	71.00	67.00	65.00	41.00	44.00	48.00	37.00	61.00	56.00	46.00	70.00	68.00	53.00
1987	82.00	85.00	77.00	54.00	59.00	53.00	50.00	90.00	84.00	85.00	77.00	94.00	69.00
1988	135.00	158.00	129.00	74.00	90.00	101.00	71.00	101.00	75.00	79.00	115.00	103.00	108.00
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

1/ Insufficient sales.

HOGS AND PIGS

The Arizona pork industry has experienced a considerable decline in numbers in the last 10 years. In 1980, hogs and pigs totaled 180,000 head and by 1989, inventories had fallen to 100,000 head. The years of 1986 through 1989 included the most marked decline with a decrease of 55,000 head.

The inventory of all hogs and pigs in Arizona on December 1, 1989 totaled 100,000 head, 23 percent below a year earlier. Breeding hogs were down 3,000 head from the previous year to 12,000 head as market hogs also decreased 27,000 head to 88,000. Market hog inventory by weight group was as follows: under 60 pounds totaled 29,000 head, down 34 percent; 60-119 pounds were at 24,000 head, down 11 percent; 120-179 pounds totaled 20,000 head, down 13 percent; 180 pounds and over came in at 15,000 head, down 29 percent. Inshipments totaled 6,000 head during 1989, a decrease of 9,000 head from a year earlier. The majority of hogs and pigs shipped into the state are feeder pigs although farrow to finish operations are predominant.

A total of 24,000 sows farrowed during 1989 producing a pig crop of 197,000 head, a decrease of 8 percent from the pig crop in 1988. During the first half of the year (December-May), 14,000 sows farrowed with an average litter rate of 8.2 pigs, up slightly from 8.1 during the same period a year earlier. During the other half of the year (June to November), a total of 10,000 sows farrowed with an average litter rate of 8.3 pigs. Average litter sizes (pigs per litter) have increased nearly 14 percent since 1980.

The gross income generated by Arizona's pork industry for 1989 dropped to 20.1 million, a decline of almost $4 million from the $23.8 million received during 1988. The average price received for market hogs during 1989 was $44.50 per hundredweight, a decrease of 5 percent from the $46.90 received during 1988. Marketings totaled 222,000 head during 1989, an increase of 3 percent from 1988. The total liveweight of hogs marketed during 1989 came to 44.6 million pounds. Commercial hog slaughter totaled 15,900 head in 1989, down from 18,000 head slaughtered during 1988. The majority of hogs raised in Arizona are shipped out of state for slaughter.

HOGS: Number of operations and inventory December 1, Arizona and United States, 1979-89 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	Thousand	Number	Thousand
1979	480	149	653,240	67,318
1980	630	180	666,550	64,462
1981	660	170	579,310	58,698
1982	660	170	481,040	54,534
1983	590	150	462,110	56,694
1984	550	170	428,530	54,073
1985	520	175	388,570	52,314
1986	500	155	346,090	51,001
1987	450	130	328,640	54,384
1988	450	130	326,600	55,469
1989	440	100	309,700	53,852

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, 1979-89

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.
1979	19	130	52	27	26	25	149	59.50	8,866
1980	23	157	52	36	35	34	180	66.00	11,880
1981	21	149	57	33	33	26	170	74.50	12,665
1982	21	149	58	34	29	28	170	102.50	17,425
1983	18	132	51	30	27	24	150	78.00	11,700
1984	20	150	51	40	31	28	170	92.00	15,640
1985	20	155	55	45	34	21	175	79.50	13,913
1986	18	137	39	37	37	24	155	112.00	17,360
1987	14	116	34	30	29	23	130	93.50	12,155
1988	15	115	44	27	23	21	130	75.00	9,750
1989	12	88	29	24	20	15	100	88.00	8,800

HOGS AND PIGS: Inventory, supply, and disposition, Arizona, 1979-90

Year	Inventory Dec. 1 1/	Pig crop		Inshipments	Marketings 2/	Farm slaughter 3/	Deaths
		Dec.-May	June-Nov.				
				1,000 head			
1979	144	125	117	24	241	1	19
1980	149	137	144	13	241	1	21
1981	180	148	137	7	281	1	20
1982	170	139	144	4	273	1	13
1983	170	149	126	6	288	1	12
1984	150	144	137	10	258	1	12
1985	170	141	146	6	272	1	15
1986	175	125	138	3	274	1	11
1987	155	123	119	9	260	1	15
1988	130	113	101	15	215	1	13
1989	130	114	83	6	222	1	10
1990	100						

1/ December 1 of previous year.
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/ Excludes custom slaughter for farmers at commercial establishments.

PIG CROP: Sows farrowed, pigs per litter, and pigs saved, Arizona, semi-annually, 1979-87

Year 1/	Total pig crop		December - May			June - November		
	Sows farrowed	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved
	Thousand	Thousand	Thousand	Number	Thousand	Thousand	Number	Thousand
1979	31	242	16	7.8	125	15	7.8	117
1980	39	281	19	7.2	137	20	7.2	144
1981	37	285	19	7.8	148	18	7.6	137
1982	36	283	18	7.7	139	18	8.0	144
1983	34	275	18	8.3	149	16	7.9	126
1984	37	281	19	7.6	144	18	7.6	137
1985	38	287	19	7.4	141	19	7.7	146
1986	33	263	16	7.8	125	17	8.1	138
1987	30	242	15	8.2	123	15	7.9	119

1/ December 1 previous year through November current year.

PIG CROP: Sows farrowed, pigs per litter, and pig crop ,Arizona, quarterly 1988 and 1989

Year 1/	Total		December - February			March - May			June - August			September - November		
	Sows farrowed	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop	Sows farrowed	Pigs per litter	Pig crop
	Thousand		Thousand	Number	Thousand	Thousand	Number	Thousand	Thousand	Number	Thousand	Thousand	Number	Thousand
1988	27	214	6.0	8.3	50	8.0	7.9	63	7.0	8.1	57	6.0	7.3	44
1989	24	197	7.0	7.9	55	7.0	8.4	59	6.0	8.7	52	4.0	7.8	31

1/ December 1 previous year through November current year.

HOGS AND PIGS: Production and income, Arizona, 1979-89

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.			
1979	53,441	54,580	44.10	23,102	24,070	194	24,264
1980	59,735	54,485	41.20	24,401	22,448	272	22,720
1981	59,222	61,812	46.50	27,425	28,743	340	29,083
1982	61,668	61,315	57.10	35,124	35,011	410	35,421
1983	62,339	64,966	49.20	30,622	31,963	397	32,360
1984	59,762	57,447	49.70	29,531	28,551	362	28,913
1985	59,335	59,699	46.00	27,197	27,462	304	27,766
1986	59,942	60,565	54.70	32,728	33,129	298	33,427
1987	54,480	58,200	57.10	30,967	33,232	328	33,560
1988	48,923	50,345	46.90	22,534	23,612	225	23,837
1989	40,870	44,640	44.50	17,849	19,865	214	20,079

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.

HOGS AND PIGS: Number on farms, Arizona, by counties, December 1, 1979-89

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	
1979	19	1979	23	1979	12
1980	20	1980	31	1980	12
1981	18	1981	30	1981	10
1982	20	1982	29	1982	10
1983	19	1983	24	1983	10
1984	25	1984	26	1984	13
1985	29	1985	29	1985	17
1986	20	1986	24	1986	11
1987	19	1987	17	1987	12
1988	20	1988	18	1988	11
1989	10	1989	10	1989	11
NAVAJO		PINAL		YUMA	
1979	56	1979	10	1979	16
1980	70	1980	11	1980	21
1981	66	1981	13	1981	16
1982	64	1982	20	1982	15
1983	69	1983	13	1983	8
1984	81	1984	10	1984	5
1985	80	1985	10	1985	5
1986	85	1986	10	1986	1/
1987	71	1987	8	1987	1/
1988	71	1988	9	1988	1/
1989	62	1989	6	1989	1/
OTHER COUNTIES		ARIZONA			
1979	13	1979	149		
1980	15	1980	180		
1981	17	1981	170		
1982	12	1982	170		
1983	7	1983	150		
1984	10	1984	170		
1985	5	1985	175		
1986	5	1986	155		
1987	3	1987	130		
1988	1	1988	130		
1989	1	1989	100		

1/ Included in other counties.

RED MEAT PRODUCTION: Arizona, 1979-89 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 2/
							1,000 Pounds						
1979	18,626	15,636	15,891	15,170	16,813	16,621	16,499	18,044	14,585	17,767	17,025	16,597	199,280
1980	19,747	18,043	16,214	17,372	17,297	20,243	27,538	25,445	27,917	29,872	22,720	25,411	267,819
1981	25,260	22,582	27,588	26,405	27,855	29,838	29,588	25,347	21,154	18,421	9,197	9,111	272,347
1982 3/			35,726			66,906			57,334			62,284	222,250
1983	18,501	17,135	21,159	19,660	23,800	25,820	20,774	21,498	20,377	20,645	23,327	23,828	256,525
1984	25,813	27,187	29,285	28,400	32,236	30,544	25,669	25,720	22,978	27,036	24,671	23,553	323,093
1985	26,434	24,277	25,997	28,704	31,115	26,743	26,591	23,598	22,131	23,449	22,437	22,925	304,401
1986	25,755	23,914	21,357	22,556	25,116	23,427	23,859	21,951	20,087	24,291	19,265	21,375	272,952
1987	21,652	18,238	21,233	23,598	21,294	24,495	23,643	19,731	20,143	20,870	19,722	23,597	258,215
1988	23,497	20,473	28,314	28,481	26,829	28,205	21,487	24,410	21,407	18,760	18,944	18,865	279,672
1989	21,080	16,853	20,051	19,115	22,628	21,746	19,498	19,267	17,490	19,999	20,989	20,575	239,311

1/ Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter.
2/ Numbers may not add due to rounding.
3/ Quarterly estimates only for 1982.

COMMERCIAL CATTLE SLAUGHTER: Arizona, 1979-89

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1979	25,900	21,600	21,800	20,400	22,600	22,400	22,200	23,600	18,700	23,000	21,900	20,500	264,700
1980	25,700	23,200	20,400	22,000	22,400	27,400	38,900	35,200	37,900	39,900	30,400	34,100	357,600
1981	33,800	30,400	37,100	35,800	38,500	42,100	41,300	35,500	32,600	28,000	14,900	14,800	384,800
1982 2/			52,300			96,100			81,800			94,300	324,500
1983	27,000	24,500	30,200	27,500	34,700	37,900	30,100	30,600	28,000	28,100	31,000	31,900	361,300
1984	35,000	37,900	40,200	39,300	44,900	42,400	35,500	33,900	30,600	36,000	32,600	31,500	439,800
1985	36,300	33,400	35,600	38,800	42,100	36,200	35,500	30,800	28,000	29,500	29,300	30,500	406,000
1986	35,200	31,900	30,800	34,600	38,600	35,700	36,700	34,000	30,900	37,400	31,000	34,800	411,700
1987	34,700	29,300	33,700	37,400	33,400	38,800	37,600	31,400	30,700	31,700	31,300	36,800	406,800
1988	36,800	31,900	43,700	43,400	41,500	43,500	33,100	37,500	33,000	28,900	29,800	28,900	432,000
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
							1,000 Lbs. Liveweight						
1979	26,411	21,899	22,441	21,289	23,488	23,229	23,249	24,318	18,989	23,512	22,740	21,597	273,151
1980	26,439	23,982	21,236	22,964	22,983	28,065	39,638	36,083	38,911	40,942	30,666	34,848	366,757
1981	35,040	30,809	38,797	37,239	39,977	43,773	43,211	37,112	33,663	29,315	15,099	15,008	399,042
1982 2/			54,052			98,583			83,699			97,218	333,553
1983	27,877	25,243	31,151	28,486	35,407	38,736	30,728	30,860	28,707	29,104	32,856	33,859	373,013
1984	36,966	39,709	41,971	40,999	46,944	44,014	36,499	35,270	31,929	37,336	34,224	32,757	458,619
1985	37,392	34,491	36,623	40,867	45,005	39,008	37,761	32,749	29,924	31,106	30,476	31,611	427,013
1986	36,776	33,644	32,477	36,531	40,819	37,745	38,445	35,562	32,646	39,212	31,421	34,965	430,241
1987	35,386	29,636	34,367	38,054	34,343	39,747	38,493	32,114	33,176	34,384	32,532	38,921	421,154
1988	38,299	33,525	45,832	45,958	43,389	45,905	34,805	39,646	34,559	30,270	31,021	30,540	453,747
1989	34,350	27,457	32,536	31,028	36,978	35,653	32,038	31,816	28,177	32,820	34,742	33,845	391,439

1/ Numbers may not add due to rounding.
2/ Quarterly estimates only for 1982.

COMMERCIAL CALF SLAUGHTER: Arizona, 1979-1983 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 2/
							Number						
1979	400	300	100	100	200	200	300	300	200	100	200	200	2,500
1980	200	200	200	100	100	100	200	200	100	100	200	200	1,900
1981	100	100	100	100	100	200	500	500	300	300	500	600	3,500
1982 3/			1,300			500			1,000			800	3,600
1983	200	200	200	200	100	100	200	400	300	200	300	200	2,700
							1,000 Lbs. Liveweight						
1979	60	52	37	34	44	37	44	42	17	16	33	42	458
1980	36	35	43	27	23	20	29	28	20	27	27	29	345
1981	14	28	10	5	7	17	34	36	24	26	49	78	328
1982 3/			200			100			137			110	548
1983	37	37	42	37	31	31	46	48	50	41	72	37	509

1/ Data beginning with 1984 not published to avoid disclosure of individual operations.
2/ Numbers may not add due to rounding.
3/ Quarterly estimates only for 1982.

COMMERCIAL HOG SLAUGHTER: Arizona, 1979-1989

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1979	16,800	14,800	16,300	16,500	18,600	18,400	17,800	21,100	20,000	23,200	20,900	21,400	225,900
1980	22,800	21,500	21,100	21,300	20,300	19,500	17,900	19,900	24,100	27,500	23,700	24,700	264,100
1981	21,900	21,400	22,200	20,900	18,400	16,600	16,200	13,900	1,900	2,100	2,000	2,200	159,500
1982 2/			22,000			42,300			41,900			26,900	133,000
1983	10,400	12,000	14,700	15,700	14,900	14,600	13,900	17,600	19,200	19,500	22,000	21,900	196,300
1984	21,200	19,900	24,100	22,000	22,600	22,000	18,400	22,400	20,000	25,300	22,400	21,300	261,600
1985	22,800	19,900	22,400	22,700	21,800	17,900	21,500	21,600	23,700	28,100	24,700	23,300	270,500
1986	20,500	21,000	10,000	2,900	2,400	2,400	2,400	1,600	1,500	1,600	1,600	1,600	69,300
1987	1,100	1,000	1,300	1,400	1,100	1,200	1,100	1,000	1,200	1,200	1,200	1,100	13,900
1988	1,200	1,100	1,500	1,500	1,500	1,400	1,000	1,500	2,000	1,900	1,700	1,800	18,000
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
							1,000 Lbs. Liveweight						
1979	3,832	3,343	3,692	3,773	4,229	4,182	3,963	4,680	4,452	5,177	4,748	4,858	50,929
1980	5,164	4,835	4,724	4,784	4,521	4,277	3,919	4,393	5,412	6,246	5,323	5,545	59,141
1981	4,889	4,789	4,925	4,637	4,070	3,669	3,586	3,008	457	509	506	532	35,577
1982 2/			5,008			9,503			9,573			6,425	30,510
1983	2,416	2,784	3,368	3,552	3,381	3,304	3,147	3,986	4,375	4,463	4,991	4,867	44,636
1984	4,724	4,413	5,414	4,954	5,054	4,921	4,041	4,958	4,652	5,711	5,063	4,789	58,696
1985	5,101	4,422	5,022	5,044	4,804	3,958	4,630	4,635	5,149	6,250	5,515	5,134	59,663
1986	4,489	4,672	2,208	653	530	515	535	355	340	357	356	374	15,384
1987	255	211	289	306	257	258	226	223	274	264	273	270	3,105
1988	297	269	336	493	340	310	219	344	462	444	356	424	4,293
1989	406	269	392	425	396	251	216	227	261	282	263	260	3,647

1/ Numbers may not add due to rounding.
2/ Quarterly estimates only for 1982.

COMMERCIAL SHEEP SLAUGHTER: Arizona, 1979-1989

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
1979	100	100	200	300	100	100	100	200	200	100	100	100	1,700
1980	100	100	200	400	200	100	100	100	300	200	100	100	2,000
1981	100	100	300	400	200	100	100	100	200	300	100	100	2,200
1982 2/			700			700			500			400	2,200
1983	200	100	300	400	200	100	100	100	200	100	100	100	2,000
1984	200	100	300	400	200	100	100	100	200	100	100	100	2,100
1985	100	100	200	400	100	100	100	100	200	100	100	100	1,700
1986	100	100	300	300	100	100	100	100	300	200	100	100	1,800
1987	100	200	200	300	100	100	200	100	200	100	100	100	1,800
1988	100	100	200	300	100	100	100	100	100	100	0	100	1,400
1989	100	0	200	200	0	0	0	100	100	100	100	100	1,100
							1,000 lbs. liveweight						
1979	12	8	15	35	10	11	8	17	16	12	11	7	161
1980	11	9	22	39	20	10	9	11	30	23	9	6	199
1981	15	12	32	45	18	12	13	12	23	27	10	13	233
1982 2/			78			73			49			40	242
1983	20	16	36	44	21	13	11	10	18	14	10	11	224
1984	19	12	36	45	25	15	10	15	27	13	12	10	241
1985	15	11	23	44	11	12	5	9	21	14	6	6	178
1986	9	12	28	38	10	7	16	14	25	19	8	8	195
1987	10	18	25	35	13	9	14	10	19	13	7	8	183
1988	14	11	28	34	13	9	9	9	16	10		8	164
1989	11		18	27				8	16	8	10	8	126

1/ Numbers may not add due to rounding.
2/ Quarterly estimates only for 1982.

LIVESTOCK SLAUGHTERING ESTABLISHMENTS: Arizona, January 1, 1979-90

Year	Under Federal Inspection	Other 1/	Total
		Number	
1979	6	29	35
1980	6	32	38
1981	7	36	43
1982	4	33	37
1983	7	29	36
1984	8	27	35
1985	9	26	35
1986	10	24	34
1987	5	24	29
1988	5	23	28
1989	6	23	29
1990	5	20	25

1/ Includes State inspected and custom-exempt plants.

POULTRY

CHICKENS ON FARMS: Inventory by class, Arizona, December 1, 1979-89 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.
1979	580	308	180	488	67	16	19	1.50	704
1980	550	285	175	460	65	15	10	1.50	825
1981	530	245	235	480	35	7	8	2.15	1,140
1982	500	340	130	470	15	5	10	1.50	750
1983	400	280	100	380	12	4	4	1.95	780
1984	490	173	289	462	9	4	15	2.00	980
1985	460	298	82	380	56	9	15	1.55	713
1986	528	315	165	480	21	11	16	2.25	1,188
1987	385	221	149	370	6	4	5	1.60	616
1988	310	200	100	300	3	1	6	1.60	496
1989	320	215	100	315	2	0	3	2.40	768

1/ Does not include commercial broilers.

CHICKENS: Lost, sold, and value of sales, Arizona 1979-89 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.
1979	130	406	1,624	10.1	139
1980	68	302	1,208	6.8	77
1981	80	208	832	6.5	54
1982	68	229	916	4.2	36
1983	39	263	1,052	7.3	50
1984	61	296	1,184	5.2	62
1985	45	202	808	5.5	44
1986	66	189	756	9.0	68
1987	54	403	1,612	10.0	161
1988	61	245	980	7.0	69
1989	19	149	596	8.0	48

1/ December 1 previous year through November; excludes broilers.
2/ Includes death and other losses.

LAYERS: Quarterly average inventory, Arizona 1979-89 1/

Year	Layers				
	December - February	March - May	June August	September - November	Average during year
			1,000 birds		
1979	582	653	587	452	557
1980	457	440	448	450	449
1981	435	380	360	425	400
1982	470	440	450	475	459
1983	458	413	377	377	406
1984	395	368	387	456	401
1985	460	455	421	385	430
1986	409	475	502	485	468
1987	425	385	380	365	389
1988	358	328	308	303	324
1989	303	305	305	310	306

1/ December 1 previous year through November current year.

EGGS: Production and value, Arizona, 1979-89 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.
1979	37	38	33	31	139	48.0	5,560
1980	33	29	25	26	113	43.5	4,096
1981	27	22	21	28	98	55.7	4,549
1982	32	29	26	27	114	50.5	4,797
1983	27	25	24	26	102	55.2	4,692
1984	27	23	24	31	105	61.0	5,338
1985	32	26	20	21	99	53.0	4,373
1986	27	32	32	30	121	53.0	5,344
1987	26	25	25	22	98	41.0	3,348
1988	22	23	22	19	86	43.0	3,082
1989	18	19	21	21	79	63.0	4,147

1/ December 1 previous year through November current year.

GOATS

The Arizona angora goat inventory as of January 1, 1990 totaled 98,000 head, 2 percent less than last year's total of 100,000. The majority of the angora goats in Arizona are located in the northeastern part of the state on the Navajo Indian Reservation. Arizona is one of the five major producing states in the country with an estimated average value per head of $50.00. The value of the inventory on January 1, 1990 for angora goats totaled 4.9 million dollars, down 11 percent from a year ago.

ANGORA GOATS: Number on farms and value, Arizona, January 1, 1989-90

Year	Goats	Farm Value	
		Per head	Total
	1,000 head	Dollars	1,000 dollars
1989	100	55.00	5,500
1990	98	50.00	4,900

HONEY

Honey production in 1989 from producers with 5 or more hives totaled 3.2 million pounds, down 11 percent from 1988. The decline in production was a combination of fewer colonies producing honey and a lower yield per colony. There were 71,000 colonies producing honey, down 3 percent from 1988. Yield per colony averaged 45 pounds, down from 49 pounds in 1988. Dry weather conditions across the state contributed to the lower honey yield.

Prices for the 1989 crop averaged 61 cents per pound, up from the 49 cents received in 1988. The value of production for the 1989 crop totaled $1.9 million, up 11 percent from 1988.

HONEY: Number of colonies, yield, production, and value, Arizona, 1979-1981, 1986-1989 1/

Year	Number of colonies	Yield per colony	Production	Average price per pound	Value of production
	1,000	Pounds	1,000 lbs.	Cents	1,000 dol.
1979	65	58	3,770	50	1,874
1980	67	67	3,819	54	2,074
1981	64	53	3,392	56	1,900
1986	77	50	3,850	52	2,002
1987	73	47	3,431	52	1,784
1988	73	49	3,577	49	1,753
1989	71	45	3,195	61	1,949

1/ For producers with five or more hives.
2/ Estimates discontinued 1982 through 1985.

GRAZING FEES: Arizona, 1986-90

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). This 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				
			1986	1987	1988	1989	1990
Grazing Rates on Private Land 1/	Dollars	3.65	8.40	8.10	8.54	8.75	8.87
Forage Value Index (FVI) 2/		100	230	222	234	240	243
Average Price Received for Beef Cattle per Cwt. 3/	Dollars	22.04	53.70	51.80	59.96	65.46	67.47
Beef Cattle Price Index (BCPI) 4/		100	244	235	272	297	306
Prices Paid Index (PPI) 5/		100	397	388	381	386	402
Federal Grazing Fee 6/	Dollars	(1.23)	7/ 1.35	7/ 1.35	1.54	1.86	1.81
State Grazing Fee 6/	Dollars	(.95)	.73	.66	1.19	1.43	1.40

1/ Privately-owned, non-irrigated land in eleven western states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming. Rates for 1986 and 1987 are per AUM. Rate for 1988 through 1990 is per head month.

2/ Private 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. 1989, for example = $1.23 (243 + 306 - 402) ÷ 100 = $1.81 (federal); $.95 (243 + 306 - 402) ÷ 100 = $1.40 (state).

7/ Minimum fee established by Executive Order.

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 WAGE RATES: Mountain III Region, by survey week, January 1985-April 1990 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								
MOUNTAIN III									
1985									
January 6-12	4.70	4.68	4.26	4.48	6.52	4.79	4.19	5.94	5.31
April 7-13	4.41	4.15	4.15	4.15	6.14	4.75	4.25	2/	4.54
July 7-13	4.30	3.76	4.14	3.89	6.64	2/	3.92	2/	4.89
October 6-12	4.78	4.90	4.44	4.69	6.53	4.57	4.59	2/	5.09
1986									
January 12-18	4.94	4.41	4.64	4.51	7.19	5.21	4.55	5.22	5.68
April 6-12	4.93	4.73	4.29	4.59	6.89	5.10	4.52	6.15	5.72
July 6-12	4.51	3.99	4.01	3.99	6.81	5.04	4.28	2/	5.19
October 12-18	5.10	5.00	4.08	4.68	6.81	5.33	4.79	2/	5.92
1987									
January 11-17	4.86	4.30	4.51	4.40	7.37	5.05	4.46	2/	5.97
April 12-18	4.86	4.50	4.29	4.45	7.37	7.88	4.36	2/	5.53
July 12-18	4.34	4.07	4.09	4.07	6.56	2/	4.13	2/	4.90
October 11-17	4.85	4.51	4.11	4.36	7.52	2/	4.51	6.32	5.20
1988									
January 10-16	5.12	4.54	4.53	4.54	7.53	7.10	5.25	6.50	4.53
April 10-16	5.13	4.92	4.59	4.79	7.97	2/	5.02	5.85	4.97
July 10-16	4.78	4.18	4.63	4.33	7.07	6.33	4.48	2/	5.31
October 9-15	5.10	4.76	4.78	4.77	7.39	2/	4.90	2/	5.62
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

1/ Mountain III region includes Arizona and New Mexico. Excludes agricultural service workers.
2/ Insufficient data for this category.

FARM LABOR: Mountain III Region, by survey week, January 1985 - April 1990 1/

Survey week and year	Number of workers							Hours worked per worker		
	Hired			Other			Total all			
	150 days or more	149 days or less	Total	Self-employed	Unpaid	Total		Self-employed	Unpaid	Hired
	Thousands							Hours		
MOUNTAIN III										
1985										
January 6-12	16	3	19	7	18	25	44	35.4	27.0	43.2
April 7-13	16	4	20	8	19	27	47	45.1	34.8	47.1
July 7-13	13	5	18	11	20	31	49	46.8	41.1	44.0
October 6-12	14	4	18	12	17	29	47	37.7	30.0	40.3
1986										
January 12-18	16	2	18	11	18	29	47	38.5	32.3	45.6
April 6-12	14	4	18	10	16	26	44	36.4	34.5	46.5
July 6-12	12	5	17	10	22	32	49	40.7	29.5	48.5
October 12-18	11	3	14	10	22	32	46	38.3	40.4	48.2
1987										
January 11-17	15	2	17	10	21	31	48	39.6	36.2	44.6
April 12-18	19	4	23	10	22	32	55	44.6	40.2	46.8
July 12-18	17	5	22	10	23	33	55	48.4	43.8	54.3
October 11-17	14	2	16	10	24	34	50	43.8	34.7	44.0
1988										
January 10-16	15	2	17	12	22	34	51	38.0	37.3	47.0
April 10-16	15	5	20	12	22	34	54	39.0	34.7	46.7
July 10-16	14	3	17	13	23	36	53	37.7	37.0	51.0
October 9-15	15	3	18	12	25	37	55	33.5	32.9	43.3
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

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

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 for the years 1984-85 through 1988-89. The ratio of Arizona production to U.S. production for each commodity listed was multipled 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 1984/85-1988/89 1/

COMMODITY GROUP	1984/85	1985/86	1986/87	1987/88	1988/89
			Million dollars		
Wheat and products	26.4	15.8	19.7	21.6	22.0
Cotton, including linters	179.6	53.4	121.0	152.6	147.8
Cottonseed and products	13.7	8.4	4.6	7.8	7.6
Fruits and preparations	39.2	45.6	39.3	38.0	41.7
Vegetables and preparations	13.6	15.0	15.2	21.9	23.7
Live animals and meat (excludes poultry)	11.0	11.6	14.0	19.2	26.2
Hides and skins	13.7	14.3	15.8	18.6	19.4
Fats, oils, and greases	7.1	5.2	4.4	5.9	6.2
Dairy products	3.2	3.4	4.2	4.9	4.4
Other	10.4	7.9	11.4	13.2	18.3
ARIZONA	317.8	180.5	249.6	303.8	317.3
UNITED STATES	31,200.8	26,312.0	27,876.2	35,378.7	39,651.0

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, 1984/85-1988/89 1/

Year	Agricultural	Nonagricultural	Total	Agricultural percent of total
		Million dollars		Percent
U.S. EXPORTS 2/				
1984/85	31,201	179,236	210,437	15
1985/86	26,307	176,631	202,938	13
1986/87	27,876	202,911	230,787	12
1987/88	35,379	258,593	293,972	12
1988/89	39,651	302,507	342,158	12
U.S. IMPORTS 3/				
1984/85	19,740	313,722	333,462	6
1985/86	20,875	342,855	363,730	6
1986/87	20,650	367,374	388,024	5
1987/88	21,014	409,138	430,152	5
1988/89	21,479	441,072	462,551	5
TRADE BALANCE				
1984/85	11,461	-134,486	-123,025	
1985/86	5,432	-166,224	-160,792	
1986/87	7,226	-164,463	-157,237	
1987/88	14,365	-150,545	-136,180	
1988/89	18,172	-138,565	-120,393	

1/ Fiscal years October 1-September 30.
2/ Domestic exports, including Defense Department Grant-Aid.
3/ Imports for consumption, customs value basis.
Source: U.S. Foreign Agricultural Trade, Statistical Report, Economic Research Service.

COTTON SUPPLY AND USE: World, United States, major exporters and importers; marketing years 1987/88 and 1988/89 1/

Region	Supply			Use		Ending stocks
	Beginning stocks	Production	Imports	Mill use	Exports	
			Million 480 pound bales			
			1987-88			
World	34.92	81.10	23.68	84.07	23.15	32.21
United States	5.03	14.76	2/	7.62	6.58	5.77
Total foreign	29.89	66.34	23.67	76.45	16.56	26.44
Major exporters 3/	15.01	45.18	1.03	38.03	11.01	11.97
China	9.80	19.50	0.09	20.50	2.32	6.56
Pakistan	1.10	6.74	2/	3.62	2.36	1.67
USSR	1.97	11.49	0.38	9.00	3.46	1.39
Major importers 4/	5.66	1.24	17.85	18.32	0.75	5.59
Japan	0.76	--	3.43	3.48	--	0.71
			1988-89 (Estimated)			
World	32.21	84.28	25.55	84.70	25.70	30.93
United States	5.77	15.41	3/	7.79	6.15	7.09
Total foreign	26.44	68.87	25.54	76.91	19.55	23.84
Major exporters 3/	11.97	46.43	2.29	37.98	12.75	9.65
China	6.56	19.10	1.50	20.00	1.66	5.50
Pakistan	1.67	6.55	3/	3.90	3.78	0.33
USSR	1.39	12.63	.30	9.10	3.50	1.71
Major importers 4/	5.59	1.63	17.23	17.90	1.19	5.29
Japan	0.71	--	3.49	3.41	--	0.79

1/ Marketing year beginning August 1. Totals may not add and trade and stocks may not balance due to rounding, a small quantity destroyed, and other factors.
2/ Less than 5,000 bales.
3/ Australia, China, Central America, Egypt, Mexico, Pakistan, Sudan, Turkey, and the USSR.
4/ Eastern Europe, Western Europe, Japan, Hong Kong, Republic of Korea, and Taiwan.
Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division, Market News Branch; Weekly Cotton Market Review.

WEATHER

Rainfall amounts during 1989 averaged well below normal in Arizona. Of the eighteen weather stations that reported both an annual and average amount, seventeen stations reported below average rainfall. The Yuma station reported 4.1 inches above normal rainfall, which was primarily due to two severe storms that flooded the area in late July and early August. For all months except July and August, rainfall in Yuma was only slightly below or well below normal. The station with the largest rainfall deficit was McNary with only 13.52 inches of rainfall for the year, 13.72 inches below normal.

Rainfall statistics vary considerably within Arizona due to the diverse geographic regions and elevations. Yuma, with a long-term average of 2.65 inches, typically receives the lowest annual rainfall; while McNary, with an average of 27.24 inches, will usually receive the most precipitation of any reporting station. In 1989 however, the lowest rainfall was reported by the Parker weather station, only 2.26 inches and the largest amount, 15.99 inches, was recorded in Payson.

The annual average temperature was above normal at all reporting stations for 1989. Phoenix again showed the largest departure from normal with an average temperature of 77.0 degrees, 5.8 degrees above normal. Yuma has the highest long-term average temperature at 73.9 degrees. The reporting station with the lowest average temperature in 1989 was Flagstaff with 47.8 degrees. Flagstaff also has the lowest long-term average temperature of 45.4 degrees.

Temperatures during January averaged below normal while precipitation averaged above normal. Cold temperatures made it necessary for fruit and vegetable growers in western and central areas to provide frost protection to their crops several times during the month. February began cool and rainy with snow showers on the 5th as low as 3,000 feet. Conditions changed as the month continued and by the 23rd, record high temperatures were recorded in Phoenix, Tucson and Yuma. February ended with above average temperatures and below normal rainfall.

Temperatures continued to rise during March, April and May, as records were set almost daily around the state. The week of Easter provided some relief from the heat as rain, snow and gusty winds cooled the air. Another break in the weather didn't come until mid-May when another low pressure system moved across the state. Soil and air temperatures were favorable for cotton planting which continued ahead of schedule through May.

June was a continuation of the unusually high temperatures and below normal rainfall. Many areas again experienced record breaking high temperatures. As the heat continued with no relief from rainfall, range quality decreased and ranchers were forced to increase their supplemental feeding and haul in water. Typical monsoons moved into the state in July and August but rain activity was isolated at best. Most weather stations averaged below normal precipitation even in these months. Temperatures continued to soar throughout July and August. On July 27th, 2.55 inches of rail fell in Yuma, only .10 inch short of the normal annual rainfall. Again on August 9th a severe storm hit Yuma dumping 3.44 inches of rain in the area. Severe flooding and high winds caused cut hay to be scattered in the Yuma and Parker areas. Thunderstorms continued across the state through August 19th, providing some relief from the dry, hot weather.

By the 9th of September, the monsoons had ended. Temperatures remained above normal throughout the end of the year. Typical fall weather did not arrive in Arizona until November 26th, when a strong storm system moved across the state lowering temperatures significantly. December was mostly mild with little precipitation.

FREEZE DATES: Last 32° temperature in spring and first in fall, Arizona, 1985-89

Year	Last in spring	First in fall	Last in spring	First in fall	Last in spring	First in fall
	AGUILA		BUCKEYE		CASA GRANDE	
1985	Mar. 30	Nov. 13	Feb. 8	Nov. 20	Mar. 4	Nov. 14
1986	Feb. 21	M	Feb. 11	Dec. 11	Feb. 11	Dec. 11
1987	M	Nov. 27	Feb. 21	Dec. 14	Jan. 22	Dec. 14
1988	Mar. 15	Nov. 16	Mar. 13	Nov. 20	Mar. 12	Nov. 30
1989	Mar. 5	Nov. 30	Feb. 6	Nov. 28	Feb. 7	Dec. 12
	CHANDLER HEIGHTS		DOUGLAS		FLAGSTAFF	
1985	Mar. 30	Nov. 20	Apr. 2	Nov. 14	June 4	Sept. 12
1986	Feb. 11	Dec. 11	Mar. 20	Nov. 9	May 19	Sept. 11
1987	Jan. 24	Nov. 26	Apr. 5	Nov. 11	May 30	Sept. 14
1988	Mar. 15	Nov. 19	May 2	Nov. 15	June 11	Sept. 13
1989	Feb. 7	Dec. 12	Mar. 4	Oct. 29	May 12	Sept. 21
	GILA BEND		GRAND CANYON		KINGMAN	
1985	Feb. 7	1/	June 4	Sept. 12	Mar. 30	Nov. 13
1986	1/	1/	May 18	Sept. 24	Mar. 18	Nov. 7
1987	Jan. 22	Dec. 27	May 29	Sept. 14	Apr. 5	Nov. 16
1988	Jan. 23	Nov. 21	June 1	Sept. 13	Mar. 29	Nov. 15
1989	Feb. 7	Nov. 28	May 13	Sept. 20	Mar. 4	Nov. 27
	MCNARY		PARKER		PAYSON	
1985	June 2	Sept. 12	Feb. 7	Nov. 20	May 14	Nov. 2
1986	June 10	Sept. 11	Feb. 10	Dec. 11	May 9	Oct. 13
1987	June 18	Sept. 14	Jan. 17	Dec. 26	May 27	Nov. 11
1988	May 31	Sept. 23	Jan. 21	Dec. 28	May 31	Nov. 10
1989	May 13	Sept. 22	Feb. 6	Dec. 12	May 12	Oct. 26
	PHOENIX		PRESCOTT		SAFFORD	
1985	Feb. 5	1/	Apr. 20	Oct. 15	Mar. 31	Nov. 14
1986	1/	1/	May 7	Oct. 12	Feb. 23	Nov. 8
1987	Jan. 19	Dec. 25	Apr. 20	Nov. 10	Mar. 30	Nov. 13
1988	1/	Dec. 27	May 7	Nov. 15	Apr. 3	Nov. 16
1989	1/	1/	Apr. 27	Oct. 26	Mar. 5	Oct. 28
	TUCSON		WILLCOX		WINDOW ROCK	
1985	Mar. 4	Nov. 15	Apr. 2	Nov. 7	May 14	Sept. 12
1986	Feb. 11	Dec. 1	May 9	Nov. 6	May 19	Oct. 4
1987	Feb. 28	Nov. 26	Apr. 14	Nov. 7	May 27	Oct. 16
1988	Mar. 13	Nov. 19	May 7	Nov. 13	May 31	Oct. 31
1989	Mar. 5	Nov. 28	Apr. 27	Oct. 27	May 12	Oct. 18
	WINSLOW		YUMA			
1985	Apr. 27	Nov. 2	1/	1/		
1986	Apr. 27	Oct. 13	1/	1/		
1987	Apr. 20	Nov. 9	Jan. 18	Dec. 26		
1988	May 2	Nov. 12	1/	Dec. 28		
1989	Apr. 27	Oct. 18	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.

MEAN MONTHLY TEMPERATURE: Arizona, 1989 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
							Degrees fahrenheit						
Aguila 2/	45.9	51.7	59.4	68.5	71.0	80.3	88.1	83.7	78.5	68.0	57.5	48.3	66.7
Buckeye	52.5	58.0	66.8	76.5	80.0	86.9	93.6	88.3	83.0	71.6	60.6	52.0	72.5
	51.2	55.6	60.2	67.2	75.8	85.0	92.0	89.6	83.5	72.0	59.2	51.9	70.3
Casa Grande	50.8	57.8	66.0	75.2	78.5	86.4	92.7	89.0	84.7	72.1	60.6	51.5	72.1
	51.1	55.1	59.9	67.1	75.9	85.4	91.4	88.8	83.2	72.2	59.3	51.8	70.1
Chandler Heights 2/	50.9	57.0	66.0	75.0	77.8	86.3	91.6	88.1	85.2	72.3	60.9	51.7	71.9
Douglas	44.8	52.7	58.6	66.3	70.6	78.7	81.5	77.6	75.1	63.4	54.5	46.2	64.2
	44.9	47.6	52.5	59.7	67.5	76.9	79.1	76.9	73.1	63.3	51.9	45.3	61.6
Flagstaff	26.2	32.3	41.8	50.4	54.2	60.8	68.1	63.6	58.7	47.5	38.4	31.6	47.8
	28.2	30.7	34.5	41.6	49.9	59.2	66.1	63.8	57.5	47.2	36.3	29.8	45.4
Gila Bend	52.3	58.6	67.6	77.1	80.4	88.0	95.5	91.1	87.1	75.0	63.1	54.3	74.2
	53.0	57.1	61.8	69.2	78.2	87.3	94.0	91.8	86.4	74.8	61.8	53.9	72.4
Grand Canyon 2/	25.1	30.1	40.7	49.3	53.7	61.5	68.5	63.8	58.5	M	M	31.1	3/ 48.2
Kingman	40.8	46.2	56.5	66.9	69.0	77.5	84.5	80.5	75.2	63.0	53.9	44.7	63.2
	43.2	47.0	50.5	57.6	66.5	76.2	82.9	80.8	74.8	64.2	51.8	44.3	61.7
McNary	27.5	34.5	41.5	50.5	54.6	61.6	66.5	61.9	58.9	47.8	39.5	32.4	48.1
	30.7	32.7	36.6	43.9	51.6	60.5	65.2	63.1	58.5	49.7	39.0	32.7	47.0
Parker	52.2	57.6	67.7	77.3	79.9	87.7	93.6	90.4	85.3	74.8	63.1	54.2	73.7
	52.7	57.7	62.7	70.0	78.7	87.8	94.4	92.6	86.5	74.8	61.3	53.2	72.7
Payson	36.8	41.1	48.9	57.2	61.5	70.2	76.4	72.8	68.8	56.8	47.6	40.1	56.5
	38.6	41.5	45.0	51.6	59.7	69.1	75.5	72.8	67.1	57.3	46.1	39.4	55.3
Phoenix	54.4	61.9	70.1	80.1	83.1	92.1	97.4	93.7	89.9	77.3	66.4	57.0	77.0
	52.3	56.1	60.6	68.0	77.0	86.5	92.3	89.9	84.6	73.4	60.6	53.3	71.2
Prescott	34.3	41.0	48.9	57.9	61.3	69.7	76.0	71.6	66.2	55.7	46.1	38.3	55.6
	36.2	39.2	42.8	49.4	57.2	66.8	73.1	70.4	65.1	55.0	44.0	37.2	53.0
Safford	43.9	51.4	59.4	67.7	71.9	79.1	84.0	81.0	75.9	64.1	53.4	42.7	64.5
	43.7	47.5	52.9	60.5	68.8	78.5	82.9	80.4	74.9	64.3	51.8	44.2	62.5
Tucson	49.9	58.2	65.0	73.8	77.4	85.4	90.0	86.6	84.5	71.1	61.7	53.0	71.4
	51.1	53.8	57.8	65.0	73.2	82.9	86.2	84.0	80.4	70.4	58.7	52.0	68.0
Willcox	42.8	50.1	56.8	63.9	68.3	75.6	81.1	77.6	72.6	61.3	51.2	42.6	62.0
	42.1	45.0	49.8	56.6	64.5	74.1	79.3	76.7	71.3	60.5	48.9	42.3	59.3
Window Rock	27.3	35.4	47.4	55.3	59.0	67.0	71.7	68.3	63.0	50.8	42.0	33.8	51.8
	27.4	31.6	36.8	44.5	53.4	63.7	69.8	67.1	60.0	49.6	37.3	29.1	47.5
Winslow	32.3	40.0	51.6	60.6	66.0	72.5	79.0	74.5	68.9	55.4	44.2	33.7	56.6
	32.0	38.4	44.9	53.0	62.2	72.3	78.8	76.1	69.0	56.6	42.9	32.7	54.9
Yuma	56.0	60.9	70.8	79.0	81.4	89.8	96.3	92.1	88.9	77.4	66.9	58.4	76.5
	55.9	60.0	64.2	70.7	78.3	87.2	93.6	92.4	87.3	76.4	63.8	56.5	73.9

1/ Top row 1989, bottom row long-term average.
2/ Long-term average not available.
3/ Average temperature for 10 months.
M- Missing.
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

TOTAL PRECIPITATION: Arizona, 1989 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							Inches						
Aguila 2/	2.46	.00	.92	.00	.19	.00	.77	.18	.00	4.50	.00	.45	9.47
Buckeye	1.27	T	.83	.00	T	.00	.22	.04	.01	.46	.00	.08	2.91
	.80	.68	.74	.23	.08	.07	.62	1.23	.70	.60	.47	.73	6.95
Casa Grande	1.34	T	1.16	.00	T	.21	1.05	.27	.02	.37	.03	.43	4.88
	.81	.66	.85	.29	.11	.20	.90	1.80	.61	.78	.66	.91	8.58
Chandler Heights	1.18	T	1.41	.00	.05	.00	1.16	.05	.25	.28	.08	.65	5.11
	.92	.76	1.02	.28	.14	.06	.83	1.22	.67	.80	.70	.95	8.35
Douglas	.99	.09	.51	.03	.27	T	4.15	3.42	.03	.72	T	.33	10.54
	.74	.47	.48	.16	.16	.41	3.51	3.03	1.15	.84	.45	.76	12.16
Flagstaff	1.84	1.35	2.08	.01	.62	.23	2.28	3.40	.30	1.28	T	1.07	14.46
	2.10	1.95	2.13	1.35	.75	.57	2.47	2.62	1.47	1.54	1.65	2.26	20.86
Gila Bend	.98	.00	.15	.00	.00	.00	.20	1.69	T	.26	.00	T	3.28
	.67	.49	.61	.22	.10	.06	.69	1.01	.46	.48	.40	.63	5.82
Grand Canyon 2/	1.65	.67	.98	.00	.47	.00	.34	4.37	.10	M	M	.08	3/ 8.66
Kingman	1.85	.54	.65	.00	.16	.00	.04	.03	.02	.33	.00	.33	3.95
	1.11	.96	1.11	.63	.24	.24	.98	1.36	.75	.67	.71	.89	9.65
McNary	2.14	1.25	1.28	.05	.39	T	2.58	3.09	.63	1.55	.06	.50	13.52
	2.92	2.04	3.08	1.32	.74	.79	3.51	3.78	1.97	2.37	1.99	2.73	27.24
Parker	1.70	.00	T	.00	T	.00	.42	.00	.04	T	.00	.10	2.26
	.60	.43	.47	.17	.05	.02	.26	.49	.40	.38	.35	.46	4.08
Payson	2.98	1.08	2.19	.00	.54	.00	2.83	2.25	.75	2.28	.13	.96	15.99
	2.15	1.85	2.12	1.07	.52	.44	2.81	3.16	1.76	1.85	1.53	2.02	21.28
Phoenix	1.19	T	1.25	.00	T	.00	.13	1.11	.47	.46	.14	.19	4.94
	.73	.59	.81	.27	.14	.17	.74	1.02	.64	.63	.54	.83	7.11
Prescott	1.83	.75	1.51	.00	.68	.00	1.99	3.97	.33	.57	.00	.58	12.21
	1.72	1.51	1.53	.76	.50	.53	3.15	3.45	1.49	1.22	1.33	1.65	18.84
Safford	1.09	T	.08	T	.17	.00	.94	.27	.63	1.44	.00	.21	4.83
	.63	.55	.56	.18	.12	.24	1.76	1.55	.99	.86	.40	.76	8.60
Tucson	.96	.23	.62	.00	.13	.06	1.42	.90	.02	1.84	.12	.18	6.48
	.83	.63	.68	.32	.14	.22	2.42	2.13	1.33	.88	.62	.94	11.14
Willcox	1.21	.06	.29	.00	.33	.00	3.34	.58	.15	3.21	.04	.26	9.47
	.86	.62	.62	.24	.15	.39	2.74	2.60	1.12	.77	.44	.97	11.52
Window Rock	1.13	.77	.36	.00	.03	.27	1.60	.51	.43	.95	.25	.10	6.40
	.77	.67	.84	.54	.45	.42	1.66	2.17	1.14	1.26	.71	.88	11.51
Winslow	.59	.28	.43	.00	.11	T	1.69	1.73	.09	.26	T	.41	5.59
	.43	.46	.51	.32	.30	.35	1.14	1.41	.83	.90	.41	.58	7.64
Yuma	.60	.00	.13	.00	T	.00	2.55	3.44	T	T	.03	T	6.75
	.38	.26	.18	.13	.04	.01	.15	.42	.25	.29	.20	.34	2.65

1/ Top row 1989, bottom row long-term average.
2/ Long-term average not available.
3/ Total precipitation for 10 months.
M- Missing
T- Trace
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

RESERVOIR STORAGE: Arizona, April 1, 1986-90

Basin or stream	Reservoir	Usable capacity	Usable storage				
			1986	1987	1988	1989	1990
			Thousand acre feet				
GILA RIVER DRAINAGE							
Agua Fria	Lake Pleasant	157.0	88.8	65.2	74.2	65.9	49.4
Gila	San Carlos	935.0	905.4	782.3	526.9	390.9	55.7
Gila	Painted Rock Dam	2,492.0	0.0	0.0	0.0	0.0	0.0
Salt	Roosevelt, Apache, Canyon, and Saguaro	1,710.0	1,687.1	1,621.0	1,550.7	1,512.3	999.2
Verde	Bartlett and Horseshoe	310.0	278.6	293.6	261.8	134.0	15.6
COLORADO RIVER DRAINAGE							
Colorado	Lake Havasu	573.0	558.8	553.0	557.7	563.7	582.1
Colorado	Lake Mohave	1,810.0	1,665.2	1,764.5	1,687.3	1,649.5	1,678.3
Colorado	Lake Mead	26,159.0	23,273.0	24,181.0	24,509.0	22,957.0	21,436.0
Colorado	Lake Powell	25,002.0	22,016.0	21,831.0	22,165.0	21,129.0	17,921.0
Little Colorado	Lyman Lake	31.1	27.4	30.6	25.2	28.0	11.4
Show Low Creek	Show Low Lake	5.1	3.1	5.1	4.5	4.9	0.8

SUMMARY: The April 1 forecast was for surface water supplies in Arizona to be limited as streamflow and reservoir storage declined. The water from the Central Arizona Project was expected to relieve some shortages. Runoff within the state had been very low and forecasts did not call for any improvement. The snowpack had melted dramatically. March moisture was below average and reservoir storage was low except on the Colorado River.

SNOWPACK: March fluctuated between periods of cool weather and periods of above normal temperatures. The warm days rapidly melted the Arizona snowpack. The Salt River snowpack, which never got much above 50% of average, was reduced to 8% of average by April 1. The Verde River snowpack, which was above average in mid March, was 1% of average at month's end. The Gila basin snowpack was 41% of average and the southern portion of the Little Colorado basin, 22%. The Chuska Mountains snowpack was 32% of average. Snow at the Grand Canyon was 28% of normal with snow remaining on the North Rim. The San Francisco Peaks was down to 56% of average.

PRECIPITATION: The first two weeks of March were stormy but the next two weeks were dry except for the last two days. As a result, precipitation for March was below average in all parts of Arizona. March precipitation was 73% of average over the Salt River basin and 72% over the Verde basin. The Little Colorado River basin ran 76% of normal. The San Francisco - upper Gila River basin received 64% of average moisture. Northwestern Arizona moisture was 38% of average. The Santa Cruz basin had 61% of average precipitation and Sulphur Springs Valley was only 49% of average for the month. Most of Arizona had received 57% to 77% of average moisture since October 1.

RESERVOIRS: Overall, reservoir storage continued to decline. The total Salt River Project storage on April 1 was at 50% of capacity with 1,014,800 acre feet. The Salt River dams were 58% full but the Verde River dams were only 5% full. San Carlos was 6% full with 55,700 acre feet. Lake Pleasant held 49,400 acre feet at 31% of capacity. Lakes Havasu, Mohave, Mead, and Powell held a combined storage of 41,617,000 acre feet at 78% of capacity. Lyman lake reported 11,400 acre feet and Show Low Lake had dropped to about 800 acre feet.

STREAMFLOW: March runoff was much below the 25 year average. Streamflow was 25% of average on the Verde River, 19% on the Salt, and 16% on the San Francisco at Clifton and the Gila River at Head of Safford Valley. The Gila at Calva was 7% of average after diversions. Tonto Creek ran 9% of average. The Little Colorado River inflow to Lyman Lake was less than the gage could measure. The lack of runoff on Arizona streams was a result of several factors. As of April 1, February was the only month in the preceding six months to receive above average precipitation in the headwaters of major Arizona streams. Most storms in January through March were cold with snow falling at low elevations which produced very little immediate runoff. Soils were very dry so when snow melted, most of the water was held by the soil and did not contribute to runoff. The April-May forecasts called for 14% of average runoff on the Salt River, 31% on the Verde, and 13% on the Gila at Safford Valley. The San Francisco forecast at Clifton was 15% of average. Little Colorado River inflow to Lyman Lake was only 1% of normal. The April-July forecast for the Colorado River was 45% of average inflow to Lake Powell.

Source: United States Department of Agriculture, Soil Conservation Service; Arizona Water Supply Outlook, April 1, 1990.

U.S. AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1989

County	Parcels	Acres	Reported value 1/
	Number		1,000 Dol.
Cochise	2	5,929	148
Coconino	2	45,967	170
Gila	24	5,928	954
Graham	2	307	47
Maricopa	145	36,037	287,282
Navajo	1	640	3
Pima	14	102,231	28,258
Pinal	13	43,785	22,477
Santa Cruz	6	7,757	5,355
Yavapai	9	21,559	4,330
Yuma	12	1,057	1,764
Total	230	271,197	350,788

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, 1989: County Level Data.

AGRICULTURAL LANDHOLDINGS BY COUNTRY OF FOREIGN OWNER: Arizona, by county, December 31, 1989

County	Canada	Germany (West)	Netherlands	Netherlands Antilles	United Kingdom	All others
			Acres			
Cochise	5,612	0	0	0	0	317
Coconino	320	0	0	0	0	45,647
Gila	5,928	0	0	0	0	0
Graham	307	0	0	0	0	0
Maricopa	12,993	1,110	1,309	94	528	20,003
Navajo	640	0	0	0	0	0
Pima	300	0	90,178	5,314	0	6,439
Pinal	9,721	620	0	0	0	33,444
Santa Cruz	560	7,197	0	0	0	0
Yavapai	553	0	0	0	0	21,006
Yuma	5	0	200	0	0	852
Total	36,939	8,927	91,687	5,408	528	127,708

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1989: County Level Data.

USE OF AGRICULTURAL LANDHOLDINGS OF FOREIGN OWNERS: Arizona, by county, December 31, 1989

County	Cropland	Pasture	Forest	Other agriculture	Other non-agriculture	Total
			Acres			
Cochise	0	5,929	0	0	0	5,929
Coconino	0	320	0	45,647	0	45,967
Gila	0	5,915	13	0	0	5,928
Graham	40	47	0	0	220	307
Maricopa	13,685	8,568	0	4,897	8,887	36,037
Navajo	0	640	0	0	0	640
Pima	764	100,180	0	43	1,244	102,231
Pinal	3,973	31,608	441	5,616	3,147	43,785
Santa Cruz	0	7,757	0	0	0	7,757
Yavapai	720	20,399	0	0	440	21,559
Yuma	975	0	0	55	27	1,057
Total	20,157	181,363	454	56,258	13,965	271,197

Source: United States Department of Agriculture, Economic Research Service, Resources and Technology Division; Foreign Ownership of U.S. Agricultural Land through December 31, 1989: County Level Data.

USUAL PLANTING AND HARVESTING DATES: By crops and principal producing areas, Arizona

Crop	Usual planting dates	Usual harvesting dates			Principal producing counties
		Begins	Most active	Ends	
FIELD CROPS					
ALFALFA HAY		Feb. 10		Dec. 1	Maricopa, La Paz, Yuma, Pinal, Mohave
BARLEY	Nov. 5 - Feb. 10	May 5	June 1 - June 15	July 10	Pinal, Maricopa, Yuma, Graham
CORN FOR GRAIN	Apr. 1 - June 1	Sept. 15	Oct. 1 - Nov. 1	Dec. 1	Cochise
ALL COTTON	Mar. 1 - May 15	Sept. 15	Oct. 20 - Dec. 15	Feb. 1	Pinal, Maricopa, La Paz, Yuma, Graham, Cochise, Pima
ALL WHEAT	Nov. 5 - Feb. 10	May 15	June 1 - June 30	July 15	Maricopa, Yuma, La Paz, Pinal
VEGETABLES, MELONS, AND POTATOES					
BROCCOLI	Aug. 15 - Oct. 15	Oct. 20	Dec. 1 - Feb. 28	Apr. 1	Yuma, Maricopa, La Paz, Pinal
CANTALOUPS					
Summer	Feb. 15 - Apr. 1	May 25	June 10 - July 10	July 31	Maricopa
Fall	July 15 - Sept. 10	Sept. 20	Oct. 1 - Nov. 1	Nov. 20	Maricopa, Yuma
CARROTS	Aug. 20 - Mar. 1	Oct. 10	Jan. 1 - June 1	July 20	Maricopa
CAULIFLOWER	Aug. 15 - Nov. 1	Nov. 15	Jan. 1 - Mar. 1	Apr. 30	Yuma, Maricopa
HONEYDEWS					
Spring	Feb. 15 - April 15	June 1	July 1 - July 15	Aug. 1	Maricopa, La Paz
Fall	July 15 - Sept. 15	Sept. 25	Oct. 15 - Nov. 1	Nov. 25	Maricopa, La Paz
OTHER LETTUCE					
Spring	Nov. 1 - Feb. 15	Mar. 5	Apr. 1 - May 15	June 20	Maricopa, Cochise
Fall	Aug. 1 - Oct. 5	Sept. 25	Oct. 20 - Nov. 30	Dec. 15	Cochise, Maricopa, Pima, Pinal
WESTERN LETTUCE	Aug. 15 - Dec. 1	Nov. 5	Dec. 1 - Mar. 31	Apr. 25	Yuma, La Paz
DRY ONIONS	Oct. 10 - Dec. 5	May 5	May 25 - June 15	July 10	Maricopa
WATERMELONS	Feb. 1 - Apr. 10	June 1	July 1 - Oct. 1	Oct. 30	Maricopa, Yuma, Pinal
SPRING POTATOES	Jan. 1 - Mar. 1	Apr. 25	May 15 - June 15	July 20	Maricopa
CITRUS					
GRAPEFRUIT		Oct. 1	Nov. 15 - June 1	July 20	Maricopa, Yuma
LEMONS		Aug. 1	Sept. 20 - Mar. 1	Apr. 15	Yuma, Maricopa
NAVEL ORANGES		Nov. 1	Nov. 20 - Jan. 15	Feb. 15	Maricopa, Yuma
VALENCIA ORANGES		Jan. 1	Mar. 1 - May 1	June 30	Yuma, Maricopa
TANGERINES		Nov. 1	Jan. 1 - Mar. 1	Apr. 1	Yuma, Maricopa

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 spacing 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 sometimes 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, 1985-89

Year	Fields in survey	Acres receiving				Rate per acre receiving 1/			Acres fertilized 2/		
		Any fertilizer	N	P_2O_5	K_2O	N	P_2O_5	K_2O	At or before seeding only	After seeding only	At or before and after seeding
	Number	Percent				Pounds			Percent		
1985	96	95	95	51	9	157	55	6	11	57	32
1986	97	93	93	39	7	122	47	12	16	56	28
1987	84	95	95	39	5	159	70	21	16	56	28
1988	90	91	90	58	7	144	59	14	21	30	49
1989	91	95	95	51	3	178	64	3/	11	45	44

1/ To convert phosphoric oxide (P_2O_5) to elemental phosphorus (P), the quantity of P_2O_5 should be multiplied by 0.43642. To convert potassium oxide (K_2O) 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: Percentange distribution by row spacing, average row width, seeding rate, and plant population, Arizona, 1985-89

Year	Cotton samples	Row spacing (inches) 1/				Average row width	Seeding rate per acre 2/	Plants per acre
		36.5 and less	36.6 - 38.5	38.6 - 40.5	40.6 and greater			
	Number	Percent				Inches	Pounds	Number
1985	104	4	51	39	6	38.7	20.1	37,581
1986	99	6	48	42	4	38.5	19.2	44,074
1987	85	6	35	54	5	38.9	19.1	46,008
1988	95	12	43	37	8	38.3	20.8	42,802
1989	103	16	34	38	12	38.2	20.4	42,090

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

2/ Acid delinted basis.

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

UPLAND COTTON SAMPLE COUNTS: Bolls produced, weight, lint loss, and yield per acre, Arizona, 1985-89

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
1985	312	3.91	1.46	4	15.6	99	1,241
1986	312	4.09	1.57	7	32.4	90	1,301
1987	323	4.18	1.62	8	36.6	142	1,410
1988	294	3.94	1.54	2	10.3	98	1,190
1989	308	4.08	1.58	3	16.1	86	1,303

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.

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

UPLAND COTTON GINNING CHARGES, HARVESTING PRACTICES, AND SELECTED MARKETING COSTS: Arizona, 1984/85-1988/89

Item	Unit	1984/85	1985/86	1986/87	1987/88	1988/89 1/
BALES GINNED (running bales)	Thousands	1,036	863	632	796	808
ACTIVE GINS	Number	100	91	85	84	89
WRAPPING AND GINNING CHARGES:						
Total charge per 480-lb. net weight bale 2/	Dollars	40.16	40.70	40.33	40.31	41.04
METHOD OF HARVESTING:						
Machine-picked	Percent	95	97	93	96	96
Machine-stripped	Percent	3/	3/	3	0	0
Machine-scrapped	Percent	5	3	4	4	4
WEIGHT OF SEED COTTON PER 480-LB. NET WEIGHT BALE:						
Machine-picked	Pounds	1,491	1,515	1,480	1,460	1,492
Machine-scrapped	Pounds	1,883	1,823	1,829	1,952	1,824
COTTON GINNED FROM:						
Trailers	Percent	42	39	35	29	30
Modules	Percent	58	61	65	71	70
CHARGES FOR WAREHOUSING AND RELATED SERVICES 4/:						
Charge per bale per month for insured storage	Dollars	1.73	1.90	2.02	2.05	1.94
Charge per bale for compressing to universal density	Dollars	6.00	5.80	5.75	5.75	5.75
Charge per bale for outhandling	Dollars	4.39	4.20	4.46	4.35	4.82

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/ Less than 1 percent.

4/ 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: Domestic mill consumption, stocks, and exports, United States, 1984/85-1989/90

Season	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season totals 1/
						1,000 running bales							
						Mill consumption 2/							
1984/85	428	509*	428	390	423*	399	418	519*	419	439	525*	369	5,268
1985/86	458	562*	493	477	486*	595*	499	492	620*	503	489	522*	6,198
1986/87	534	523	683*	529	576*	546	562	734*	573	586	708*	540	7,096
1987/88	606	753*	621	606	610*	568	590	738*	556	551	662*	433	7,294
1988/89	563	676*	538	509	554*	554	570	734*	609	631	781*	545	7,444
1989/90 3/	663	829*	665	617	653*								
						Mill consumption per day							
1984/85	21.4	20.4	21.4	19.5	16.9	20.0	20.9	20.8	21.0	21.9	21.0	18.5	20.3
1985/86	22.9	22.5	24.6	23.9	19.5	23.8	24.9	24.6	24.8	25.2	24.4	20.9	23.4
1986/87	26.7	26.2	27.3	26.5	23.1	27.3	28.1	29.4	28.7	29.3	28.3	27.0	27.3
1987/88	30.3	30.1	31.0	30.3	24.4	28.4	29.5	29.5	27.8	27.6	26.5	21.7	28.1
1988/89	28.2	27.0	26.9	25.5	22.2	27.7	28.5	29.4	30.5	31.6	31.2	27.2	28.6
1989/90 3/	33.2	33.1	33.2	30.8	26.1								
						Stocks in consuming establishments 4/							
1984/85	715	645	542	560	683	812	875	815	796	804	734	733	--
1985/86	685	621	557	570	604	687	728	776	789	782	788	775	--
1986/87	664	582	563	578	620	640	705	702	723	709	674	680	--
1987/88	648	579	530	542	637	722	777	786	790	756	719	709	--
1988/89	651	581	568	555	571	588	631	612	627	645	603	606	--
1989/90 3/	600	590	552	544	584								
						Stocks in public storage 4/							
1984/85	1,491	1,432	3,386	6,321	7,551	7,529	6,541	5,648	4,806	4,008	3,570	2,930	--
1985/86	2,826	3,743	6,122	8,963	10,677	10,747	10,243	9,656	9,072	8,449	7,980	8,116	--
1986/87	7,625	7,996	9,543	10,148	10,204	10,015	9,058	7,878	6,871	5,870	4,821	3,817	--
1987/88	3,239	4,864	7,398	9,456	10,582	10,216	9,149	7,972	6,965	5,973	5,072	4,645	--
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 3/	4,975	4,458	7,378	10,558	10,762								
						Exports 4/							
1984/85	454	249	340	472	712	755	705	692	556	435	359	299	5,943
1985/86	166	218	180	198	236	189	202	206	125	69	68	19	1,875
1986/87	374	496	489	525	664	591	518	750	500	465	554	439	6,366
1987/88	355	304	316	612	536	698	879	649	565	537	486	359	6,297
1988/89	248	173	292	352	524	756	514	597	575	795	515	649	5,987
1989/90 3/	431	384	507	469	516								

* Five week month.

1/ Season totals are adjusted data as reported in Supply and Distribution of Domestic and Foreign Cotton in the United States by Bureau of the Census.

2/ Consumption figures relate to four-week months except as noted. Daily consumption rates calculated on the basis of 20 days for four-week months and 25 days for five-week months with no allowance for holidays.

3/ Preliminary.

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

Source: United States Department of Commerce, Bureau of the Census.

PESTICIDE SALES: By type, Arizona, 1984-88 1/

Pesticide type	1984	1985	1986	1987	1988
	1,000 lbs. technical material				
INSECTICIDES					
Acephate	40	36	26	35	7
Aldicarb	84	46	11	21	4
Azinphos-Methyl	35	21	33	49	2
Carbaryl	40	9	26	39	22
Chlordane	47	68	72	54	0
Chlordimeform	106	77	73	57	28
Chlorpyrifos	27	23	69	29	160
Diazinon	71	18	96	66	53
Dimethoate	198	84	93	60	64
Disulfoton	48	52	63	30	2
Endosulfan	105	16	36	136	4
Ethyl Parathion	78	58	88	30	0
Malathion	55	46	68	68	44
Methomyl	74	51	59	109	29
Methyl Parathion	532	238	213	148	0
Mevinphos	46	56	55	59	44
Monocrotophos	90	55	56	65	28
Permethrin	47	64	18	28	6
Sulfur	1,322	1,066	880	69	415
Other	413	272	252	181	98
TOTAL	3,458	2,356	2,287	1,333	1,010
HERBICIDES					
Benefin	29	27	45	38	1
DCPA	33	26	36	30	1
Dinoseb	112	77	91	0	0
EPTC	60	55	92	74	5
Glyphosate	157	93	130	137	85
MSMA	23	44	65	4	28
Pendimethalin	55	29	47	57	23
Prometryn	131	101	101	61	7
Simazine	22	14	20	18	6
Trifluralin	91	64	257	59	19
Other	208	138	223	193	71
TOTAL	921	668	1,107	671	246
FUNGICIDES AND BACTERICIDES					
Copper Sulfate	5	26	46	102	7
Mancozeb	24	111	27	5	7
Maneb	101	119	78	21	2/
PCNB	15	233	228	8	2/
Zinc Sulfate	2/	6	35	5	2/
Other	58	73	60	28	11
TOTAL	203	568	474	169	25
DEFOLIANTS, DESSICANTS, AND GROWTH REGULATORS					
Arsenic Acid	22	47	101	4	2
DEF	131	132	49	55	13
Ethephon	11	14	14	10	1
Magnesium Chlorate	0	0	55	0	0
Merphos	2	2/	0	7	0
Paraquat	9	36	9	6	2/
Sodium Chlorate	799	1,669	679	498	410
Other	26	27	44	25	60
TOTAL	1,000	1,925	951	625	485
FUMIGANTS					
D-D	214	0	0	0	0
Dichloropropene	244	27	113	60	0
Methyl Bromide	6	1	18	25	29
Other	5	0	2	11	10
TOTAL	469	28	133	96	39

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, 1985-89

Fertilizer and minerals	1985	1986	1987	1988	1989
			Tons		
DRY FERTILIZERS					
Ammonium phosphate, 11-52(53)-0	14,542	17,415	21,260	27,296	30,412
Ammonium phosphate, 11-48-0	1,202	119	0	847	137
Ammonium phosphate, 16-20-0	11,987	8,071	7,947	11,365	9,181
Ammonium phosphate, 18-46-0	13,672	6,855	7,482	8,057	4,959
Other dry mixed fertilizer	20,655	22,477	28,172	30,415	23,924
Ammonium nitrate	6,082	5,047	5,139	5,413	4,480
Ammonium sulfate	11,237	8,203	10,074	11,025	9,727
Calcium nitrate and sodium nitrate	1,725	1,344	1,154	506	825
Potassium sulfate and/or chloride	3,038	421	230	346	1,234
Superphosphate, treble	2,309	3,088	2,346	1,975	2,201
Urea	20,667	18,086	20,852	21,949	25,028
Miscellaneous, dry (unmixed)	826	247	577	1,048	1/
Total Dry Fertilizers	107,942	91,373	105,233	120,242	112,108
LIQUID FERTILIZERS					
Anhydrous ammonia	32,604	38,137	19,036	19,083	21,351
Ammonia solutions, 20-0-0	10,991	8,578	10,074	7,884	6,357
Ammonium nitrate solution, 20-0-0	10,981	13,146	15,119	21,203	21,757
Urea, amm nitrate solution, 32-0-0	88,254	75,070	100,496	114,710	115,531
Calcium amm nitrate solution, 17-0-0	8,674	7,171	12,037	14,044	15,676
Phosphoric acid	1,925	1,434	891	1,192	1,663
Miscellaneous liquids	44,170	39,491	36,051	43,202	40,854
Total Liquid Fertilizers	197,599	183,033	193,704	221,318	223,189
AGRICULTURAL MINERALS					
Gypsum	17,576	25,874	47,229	73,619	69,848
Iron products	3,473	2,065	1,957	2,043	2,703
Sulfur products	1,972	1,248	1,399	1,961	1,667
Lime sulfur solution	509	270	201	223	414
Sulfuric acid	3,580	4,351	5,441	3,898	6,748
Micro nutrients	807	1,618	2,117	1,931	4,553
Miscellaneous minerals	0	0	0	20	0
Total Agricultural Minerals	27,917	35,426	58,344	83,695	85,933
TOTAL TONNAGE ALL PRODUCTS	333,458	309,832	357,281	425,255	421,230
Tons of Actual Nitrogen 2/	89,597	84,552	80,850	88,601	
Tons of Actual Phosphorus 2/	28,506	25,196	25,430	31,305	
Tons of Actual Potassium 2/	2,308	1,487	1,677	1,418	

1/ Not available at publication date. Amounts included in "other dry mixed fertilizer".
2/ Amounts of available nitrogen, phosphorus, and potassium in the above commercial fertilizer totals.
Source: Arizona Office of State Chemist.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1979

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz 1/	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma 1/
Upland Cotton: Acres	575,000	0	30,100	0	0	14,000	1,300		241,000	5,800	0	21,000	158,800	0	0	103,000
Bales, 480 lb. net wt.	1,280,000															
American Pima Cotton: Acres	43,300	0	4,150	0	0	9,900	0		9,600	0	0	3,150	9,600	0	0	6,900
Bales, 480 lb. net wt.	67,000															
Alfalfa: Acres	160,000	1,500	8,000	300	400	6,600	1,000		57,000	3,000	4,900	1,900	14,000	1,200	2,200	58,000
Production, tons	1,024,000															
Other hay: Acres	30,000	3,200	1,400	600	400	900	500		9,200	500	1,500	500	2,500	400	2,300	6,100
Production, tons	69,000															
Durum wheat: Acres	70,000	0	2,000	0	0	1,000	0		22,700	1,000	0	1,800	28,500	0	0	13,000
Production, tons	157,500															
Other wheat: Acres	55,000	0	2,000	0	0	1,400	300		10,800	3,500	500	800	11,700	0	700	23,300
Production, tons	128,700															
Barley: Acres	43,000	0	1,000	0	0	1,800	0		16,000	1,000	300	2,000	13,500	0	0	7,400
Production, tons	77,400															
Corn for Grain: Acres	45,000	2,000	30,000	500	0	4,000	300		500	0	5,500	0	*	200	1,800	*
Production, tons	144,900															
Sorghum for Grain: Acres	25,000	400	6,500	0	0	2,600	400		4,000	700	600	800	6,000	0	200	2,800
Production, tons	49,700															
Potatoes: Acres	6,200	0	0	0	0	0	0		6,200	0	0	0	0	0	0	0
Production, cwt.	1,302,000															
Principal vegetables: Acres 2/	66,400	0	3,950	0	0	0	0		18,450	0	0	1,650	3,150	0	0	39,200
Production, cwt.	12,619,000															
Grapes: Acres	3,119	0	*	0	0	0	0		*	0	0	0	*	0	0	1,099
Production, tons	13,500															
Grapefruit: Acres	8,890	0	0	0	0	0	0		5,470	0	0	0	3/	0	0	3,420
Production, ctns.	4,500,000															
All oranges: Acres	14,770	0	0	0	0	0	0		8,060	0	0	0	3/	0	0	6,710
Production, ctns.	5,800,000															
Lemons: Acres	18,610	0	0	0	0	0	0		1,430	0	0	0	3/	0	0	17,180
Production, ctns.	11,000,000															
Tangerines: Acres	3,530	0	0	0	0	0	0		1,890	0	0	0	3/	0	0	1,640
Production, ctns.	900,000															
Other crops: Acres 4/	71,050															
Total acres harvested 5/	1,238,869															

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.
1/ Included with La Paz County to avoid disclosure of individual operations.
2/ 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 total State production, Arizona, 1980

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz 1/	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma 1/
Upland Cotton: Acres	549,000	0	26,800	0	0	11,700	750		227,800	5,950	0	17,900	150,100	0	0	108,000
Bales, 480 lb. net wt.	1,354,000															
American Pima Cotton: Acres	42,100	0	5,050	0	0	7,250	0		11,500	0	0	2,350	9,300	0	0	6,650
Bales, 480 lb. net wt.	72,300															
Alfalfa: Acres	165,000	1,600	10,000	500	400	7,500	1,000		55,000	3,200	5,000	2,000	15,000	1,300	2,500	60,000
Production, tons	1,155,000															
Other hay: Acres	30,000	3,000	800	800	300	1,000	0		9,000	500	1,500	500	3,000	600	2,000	7,000
Production, tons	105,000															
Durum wheat: Acres	155,000	0	1,400	0	0	1,400	0		84,500	1,000	0	3,400	48,500	0	0	14,800
Production, tons	372,000															
Other wheat: Acres	60,000	0	1,800	1,500	0	4,600	1,000		8,000	3,700	800	300	15,000	400	900	22,000
Production, tons	144,000															
Barley: Acres	50,000	0	900	0	0	2,000	0		16,000	800	300	2,000	22,000	0	0	6,800
Production, tons	104,400															
Corn for Grain: Acres	35,000	1,500	25,000	1,000	0	2,500	400		0	0	4,000	0	100	0	500	0
Production, tons	98,000															
Sorghum for Grain: Acres	26,000	400	6,200	0	0	3,000	500		3,400	900	700	1,800	5,900	0	200	3,000
Production, tons	58,240															
Potatoes: Acres	4,400	0	0	0	0	0	0		4,400	0	0	0	0	0	0	0
Production, cwt.	1,276,000															
Principal vegetables: Acres 2/	56,900	0	2,780	0	0	0	0		15,100	550	0	750	1,870	0	100	35,750
Production, cwt.	12,272,000															
Grapes: Acres	3,100	0	*	0	0	0	0		*	0	0	0	*	0	0	615
Production, tons	12,400															
Grapefruit: Acres	8,440	0	0	0	0	0	0		5,080	0	0	0	3/	0	0	3,360
Production, ctns.	6,000,000															
All oranges: Acres	15,600	0	0	0	0	0	0		8,810	0	0	0	3/	0	0	6,850
Production, ctns.	7,000,000															
Lemons: Acres	20,260	0	0	0	0	0	0		2,150	0	0	0	3/	0	0	18,110
Production, ctns.	6,100,000															
Tangerines: Acres	3,280	0	0	0	0	0	0		1,820	0	0	0	3/	0	0	1,460
Production, ctns.	1,500,000															
Other crops: Acres 4/	72,600															
Total acres harvested 5/	1,296,680															

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.
1/ Included with La Paz County to avoid disclosure of individual operations.
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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 total State production, Arizona, 1981

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz 1/	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma 1/
Upland Cotton: Acres	599,000	0	35,200	0	0	16,500	900		239,400	6,500	0	19,800	153,600	0	0	127,100
Bales, 480 lb. net wt.	1,556,000															
American Pima Cotton: Acres	33,600	0	900	0	0	6,550	0		11,600	0	0	2,150	6,150	0	0	6,250
Bales, 480 lb. net wt.	53,700															
Alfalfa: Acres	160,000	2,400	10,500	500	100	6,000	900		51,000	4,300	4,800	1,800	13,500	1,400	2,500	60,300
Production, tons	1,120,000															
Other hay: Acres	30,000	2,400	1,000	600	500	900	200		8,400	700	1,600	500	2,500	600	2,200	7,900
Production, tons	96,000															
Durum wheat: Acres	215,000	0	1,000	0	300	1,400	200		116,600	5,000	0	5,000	70,700	0	0	14,800
Production, tons	548,250															
Other wheat: Acres	43,000	0	1,800	800	0	2,800	800		4,700	500	700	600	7,500	300	600	21,900
Production, tons	107,070															
Barley: Acres	36,000	0	800	0	500	2,000	200		13,500	500	300	1,000	14,000	200	0	3,000
Production, tons	79,490															
Corn for Grain: Acres	30,000	200	20,000	700	0	4,000	300		500	0	3,300	0	0	500	500	0
Production, tons	109,200															
Sorghum for Grain: Acres	26,000	900	4,800	200	0	2,900	700		3,000	1,500	800	2,400	6,000	0	0	2,800
Production, tons	56,780															
Potatoes: Acres	5,200	0	0	0	0	0	0		5,200	0	0	0	0	0	0	0
Production, cwt.	1,456,000															
Principal vegetables: Acres 2/	50,400	0	2,360	0	0	0	0		13,670	1,500	0	750	1,865	0	0	30,255
Production, cwt.	12,613,000															
Grapes: Acre	3,159	0	*	0	0	0	0		*	0	0	0	*	0	0	615
Production, tons	12,400															
Grapefruit: Acres	8,110	0	0	0	0	0	0		5,290	0	0	0	3/	0	0	2,820
Production, ctns.	5,600,000															
All oranges: Acres	13,210	0	0	0	0	0	0		8,230	0	0	0	3/	0	0	4,980
Production, ctns.	5,200,000															
Lemons: Acres	19,180	0	0	0	0	0	0		2,150	0	0	0	3/	0	0	17,030
Production, ctns.	14,000,000															
Tangerines: Acres	3,150	0	0	0	0	0	0		1,710	0	0	0	3/	0	0	1,440
Production, ctns.	1,400,000															
Other crops: Acres 4/	70,535															
Total acres harvested 5/	1,345,544															

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.
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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 total State production, Arizona, 1982

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz 1/	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma 1/
Upland Cotton: Acres	470,000	0	28,100	0	0	12,000	1,100		186,000	5,500	0	15,700	134,200	0	0	87,400
Bales, 480 lb. net wt.	1,095,000															
American Pima Cotton: Acres	41,600	0	700	0	0	11,400	0		10,050	0	0	2,700	9,300	0	0	7,450
Bales, 480 lb. net wt.	65,900															
Alfalfa: Acres	160,000	2,900	11,100	400	100	5,000	1,000		51,400	5,500	4,800	2,000	13,000	1,200	2,300	59,300
Production, tons	1,168,000															
Other hay: Acres	25,000	2,500	700	500	400	900	200		8,100	500	1,500	400	1,900	400	2,000	5,000
Production, tons	73,000															
Durum wheat: Acres	79,000	0	0	0	*	400	200		28,300	3,500	0	4,700	34,800	*	0	6,900
Production, tons	210,930															
Other wheat: Acres	64,000	200	1,500	400	*	3,700	700		18,600	0	1,000	800	4,500	*	1,000	31,400
Production, tons	161,280															
Barley: Acres	38,000	*	900	*	500	2,900	*		12,500	300	300	700	14,800	*	*	4,000
Production, tons	91,200															
Corn for Grain: Acres	18,000	500	7,600	200	*	4,500	*		700	0	3,100	*	500	300	400	*
Production, tons	66,530															
Sorghum for Grain: Acres	15,000	700	2,200	0	*	2,300	*		2,700	*	600	1,800	2,500	*	*	1,700
Production, tons	33,180															
Potatoes: Acres	4,700	0	0	0	0	0	0		4,700	0	0	0	0	0	0	0
Production, cwt.	1,434,000															
Principal vegetables: Acres 2/	54,700	0	2,825	0	0	0	0		17,125	600	0	650	2,525	0	3/	30,975
Production, cwt.	15,088,000															
Grapes: Acres	3,500	0	*	0	0	0	0		*	0	0	0	*	0	0	615
Production, tons	15,100															
Grapefruit: Acres	8,200	0	0	0	0	0	0		5,450	0	0	0	3/	0	0	2,750
Production, ctns.	4,800,000															
All oranges: Acres	13,600	0	0	0	0	0	0		8,870	0	0	0	3/	0	0	4,730
Production, ctns.	6,100,000															
Lemons: Acres	21,600	0	0	0	0	0	0		2,200	0	0	0	3/	0	0	19,400
Production, ctns.	12,600,000															
Tangerines: Acres	3,400	0	0	0	0	0	0		2,100	0	0	0	3/	0	0	1,300
Production, ctns.	1,500,000															
Other crops: Acres 4/	67,201															
Total acres harvested 5/	1,087,501															

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.
1/ Included with La Paz County to avoid disclosure of individual operations.
2/ 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 total State production, Arizona, 1983

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	284,000	0	16,400	0	0	7,850	660	20,800	114,300	3,540	0	8,250	76,400	0	0	35,800
Bales, 480 lb. net wt.	725,000															
American Pima Cotton: Acres	29,300	0	860	0	0	7,900	0	3,830	6,850	0	0	1,450	8,300	0	0	110
Bales, 480 lb. net wt.	46,900															
Alfalfa: Acres	145,000	2,800	8,200	400	100	4,700	900	25,700	46,000	5,600	4,300	2,000	11,700	1,100	2,000	29,500
Production, tons	1,059,000															
Other hay: Acres	25,000	2,500	800	500	400	800	200	2,300	7,500	900	1,500	500	2,000	400	2,200	2,500
Production, tons	98,000															
Durum wheat: Acres	55,000	0	0	0	*	400	200	1,900	18,200	3,000	0	3,800	22,400	*	0	4,900
Production, tons	148,500															
Other wheat: Acres	64,000	200	1,400	400	*	4,500	800	7,900	20,700	0	1,000	900	4,200	*	1,100	20,700
Production, tons	184,320															
Barley: Acres	27,000	*	1,400	*	*	2,900	*	400	8,700	500	*	700	10,100	300	0	1,000
Production, tons	67,390															
Corn for Grain: Acres	13,000	0	6,900	200	*	3,700	*	0	900	0	0	*	400	*	500	*
Production, tons	52,780															
Sorghum for Grain: Acres	13,000	700	1,500	0	*	2,000	*	*	2,700	*	600	800	2,500	*	*	1,400
Production, tons	27,660															
Potatoes: Acres	4,900	0	0	0	0	0	0	0	4,900	0	0	0	0	0	0	0
Production, cwt.	1,274,000															
Principal vegetables: Acres 1/	62,270	0	3,290	0	0	0	0	6,450	18,375	830	0	730	2,265	0	2/	30,330
Production, cwt.	15,743,000															
Grapes: Acres	3,800	0	*	0	0	0	0	0	2,755	0	0	*	420	*	*	620
Production, tons	14,600															
Grapefruit: Acres	6,800	0	0	0	0	0	0	0	4,270	0	0	0	2/	0	0	2,530
Production, ctns.	6,600,000															
All oranges: Acres	12,600	0	0	0	0	0	0	0	7,800	0	0	0	2/	0	0	4,800
Production, ctns.	7,600,000															
Lemons: Acres	19,500	0	0	0	0	0	0	0	2,100	0	0	0	2/	0	0	17,400
Production, ctns.	9,400,000															
Tangerines: Acres	3,500	0	0	0	0	0	0	0	2,000	0	0	0	2/	0	0	1,500
Production, ctns.	2,600,000															
Other crops: Acres 3/	48,055															
Total acres harvested 4/	816,725															

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.
1/ Some counties may include acreage for other counties to avoid disclosure of individual operations.
2/ Included with Maricopa County to avoid disclosure of individual operations.
3/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.
4/ Includes double crop acreage.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1984

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	429,000	0	16,600	0	0	12,000	1,020	34,300	185,300	5,680	0	15,300	120,200	0	0	38,600
Bales, 480 lb. net wt.	1,097,000															
American Pima Cotton: Acres	50,300	0	1,190	0	0	9,400	0	7,650	13,800	0	0	1,180	16,950	0	0	130
Bales, 480 lb. net wt.	88,100															
Alfalfa: Acres	140,000	3,000	7,500	500	200	5,800	500	24,500	40,000	5,800	4,200	2,100	11,000	500	2,800	31,600
Production, tons	1,008,000															
Other hay: Acres	25,000	2,500	900	500	*	700	*	2,500	7,000	800	1,400	*	1,800	*	2,500	3,200
Production, tons	100,000															
Durum wheat: Acres	80,000	0	*	0	*	500	*	2,800	30,800	*	0	4,900	29,300	0	0	7,400
Production, tons	216,000															
Other wheat: Acres	62,000	*	*	*	*	4,300	*	7,600	18,500	*	900	900	4,100	*	900	21,800
Production, tons	167,400															
Barley: Acres	53,000	*	2,100	*	*	3,400	*	1,400	18,300	600	400	1,200	20,600	500	0	3,500
Production, tons	128,470															
Corn for Grain: Acres	18,000	0	8,000	700	*	4,300	*	*	2,100	0	0	*	500	*	900	600
Production, tons	68,040															
Sorghum for Grain: Acres	16,000	700	1,600	0	*	2,200	*	*	4,500	*	500	900	3,100	*	*	1,600
Production, tons	38,080															
Potatoes: Acres	5,400	0	*	0	0	0	0	0	4,960	0	*	0	0	0	0	0
Production, cwt.	1,647,000															
Principal vegetables: Acres 1/	63,300	0	2,510	0	0	0	0	9,730	16,470	450	0	590	3,070	0	0	30,480
Production, cwt.	15,016,000															
Grapes: Acres	4,500	0	*	0	0	0	0	0	3,120	0	0	*	620	*	*	660
Production, tons	14,000															
Grapefruit: Acres	6,800	0	0	0	0	0	0	0	4,610	0	0	0	2/	0	0	2,190
Production, ctns.	5,000,000															
All oranges: Acres	12,600	0	0	0	0	0	0	0	8,010	0	0	0	2/	0	0	4,590
Production, ctns.	3,460,000															
Lemons: Acres	18,300	0	0	0	0	0	0	0	2,110	0	0	0	2/	0	0	16,190
Production, ctns.	7,000,000															
Tangerines: Acres	3,500	0	0	0	0	0	0	0	1,970	0	0	0	2/	0	0	1,530
Production, ctns.	2,700,000															
Other crops: Acres 3/	52,534															
Total acres harvested 4/	1,040,234															

* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosure of individual operations.
1/ Some counties may include acreage for other counties to avoid disclosure of individual operations.
2/ Included with Maricopa County to avoid disclosure of individual operations.
3/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above. Not available by county.
4/ Includes double crop acreage.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1985

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	359,000	0	15,000	0	0	10,600	800	28,500	151,400	3,600	0	13,000	106,700	0	0	29,400
Bales, 480 lb. net wt.	928,000															
American Pima Cotton: Acres	56,300	0	2,200	0	0	11,140	*	3,600	13,050	0	0	1,370	24,750	0	0	*
Bales, 480 lb. net wt.	108,700															
Alfalfa: Acres	145,000	3,700	7,500	500	0	4,500	*	26,000	40,300	5,300	3,200	3,000	11,500	*	4,000	35,000
Production, tons	1,030,000															
Other hay: Acres	22,000	1,800	1,100	500	*	*	*	2,700	6,200	800	900	*	1,000	*	2,500	3,400
Production, tons	79,000															
Durum wheat: Acres	46,000	*	*	*	0	*	*	5,500	15,100	*	*	900	18,300	0	0	5,700
Production, tons	115,920															
Other wheat: Acres	66,000	*	*	*	*	*	*	7,100	12,800	*	*	700	3,900	*	500	34,800
Production, tons	178,200															
Barley: Acres	62,000	*	900	*	*	3,000	*	1,000	29,100	1,400	*	1,000	21,800	300	400	1,500
Production, tons	144,340															
Corn for Grain: Acres	14,000	0	6,700	400	*	3,600	*	500	1,000	0	0	*	*	*	700	500
Production, tons	50,960															
Sorghum for Grain: Acres	16,000	800	1,000	0	*	2,300	*	*	4,600	*	500	800	2,500	*	*	2,400
Production, tons	36,290															
Potatoes: Acres	5,800	0	380	0	0	0	0	0	5,420	0	0	0	0	0	0	1/
Production, cwt.	1,450,000															
Principal vegetables: Acres 2/	73,100	0	2,990	0	0	0	0	10,790	18,250	170	0	420	2,110	0	0	38,370
Production, cwt.	17,077,000															
Grapes: Acres	5,100	0	*	0	0	0	0	0	3,180	0	0	*	680	*	*	990
Production, tons	18,500															
Grapefruit: Acres	7,100	0	0	0	0	0	0	0	4,750	0	0	0	1/	0	0	2,350
Production, ctns.	6,700,000															
All oranges: Acres	10,900	0	0	0	0	0	0	0	6,660	0	0	0	1/	0	0	4,240
Production, ctns.	4,100,000															
Lemons: Acres	17,000	0	0	0	0	0	0	0	1,870	0	0	0	1/	0	0	15,130
Production, ctns.	11,300,000															
Tangerines: Acres	3,400	0	0	0	0	0	0	0	2,000	0	0	0	1/	0	0	1,400
Production, ctns.	2,200,000															
Other crops: Acres 3/	53,617															
Total acres harvested 4/	962,317															

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4/ Includes double crop acreage.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1986

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	249,000	0	11,000	0	0	8,800	800	16,800	102,400	4,100	0	7,600	78,400	0	0	19,100
Bales, 480 lb. net wt.	675,000															
American Pima Cotton: Acres	73,800	0	2,500	0	0	11,800	0	3,400	17,700	0	0	3,200	33,100	0	0	2,100
Bales, 480 lb. net wt.	148,300															
Alfalfa: Acres	155,000	3,000	7,000	500	0	5,000	500	31,000	47,000	3,000	3,000	1,000	11,000	500	4,000	38,500
Production, tons	1,178,000															
Other hay: Acres	22,000	1,000	900	500	*	900	*	2,000	6,000	800	*	*	1,000	500	3,000	4,500
Production, tons	84,000															
Durum wheat: Acres	48,000	*	*	*	0	1,100	*	4,000	15,800	0	*	1,200	15,900	0	0	8,900
Production, tons	125,280															
Other wheat: Acres	48,000	*	*	*	0	900	*	8,000	12,200	*	*	500	2,100	0	600	22,100
Production, tons	135,360															
Barley: Acres	29,000	*	500	0	*	1,700	*	600	13,700	1,000	*	1,000	8,700	*	400	800
Production, tons	69,600															
Corn for Grain: Acres	15,000	0	6,500	400	*	3,800	300	1,000	1,000	0	0	0	*	*	1,000	800
Production, tons	58,800															
Sorghum for Grain: Acres	12,000	300	700	0	0	1,500	*	1,000	3,400	*	*	*	1,800	0	0	2,100
Production, tons	29,230															
Potatoes: Acres	5,900	0	400	0	0	0	0	0	5,100	0	1/	0	0	0	0	400
Production, cwt.	1,298,000															
Principal vegetables: Acres 2/	70,100	0	2,310	0	0	0	0	5,140	19,500	0	0	1,030	2,090	0	0	40,030
Production, cwt.	16,179,000															
Grapes: Acres	6,300	0	*	0	0	0	0	0	2,760	0	0	*	2,055	*	*	1,195
Production, tons	23,000															
Grapefruit: Acres	5,700	0	0	0	0	0	0	0	3,850	0	0	0	1/	0	0	1,850
Production, ctns.	5,600,000															
All oranges: Acres	11,000	0	0	0	0	0	0	0	6,340	0	0	0	1/	0	0	4,660
Production, ctns.	4,060,000															
Lemons: Acres	16,500	0	0	0	0	0	0	0	2,000	0	0	0	1/	0	0	14,500
Production, ctns.	6,200,000															
Tangerines: Acres	3,300	0	0	0	0	0	0	0	1,790	0	0	0	1/	0	0	1,510
Production, ctns.	1,900,000															
Other crops: Acres 3/	66,321															
Total acres harvested 4/	836,921															

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4/ Includes double crop acreage.

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1987

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	289,000	0	12,800	0	0	8,900	900	23,600	119,600	4,500	0	8,500	83,200	0	0	27,000
Bales, 480 lb. net wt.	849,000															
American Pima Cotton: Acres	90,800	0	2,100	0	0	12,700	0	4,800	22,300	0	0	3,400	42,100	0	0	3,400
Bales, 480 lb. net wt.	213,000															
Alfalfa: Acres	160,000	3,100	7,300	500	0	5,200	500	40,000	48,500	3,100	3,100	1,000	11,400	500	4,100	31,700
Production, tons	1,248,000															
Other hay: Acres	30,000	1,200	1,000	500	*	1,000	*	6,000	5,800	800	500	*	1,000	500	2,600	8,600
Production, tons	135,000															
Durum wheat: Acres	45,000	*	*	*	0	800	*	4,500	11,800	0	*	*	14,800	0	0	10,800
Production, tons	114,750															
Other wheat: Acres	44,000	*	*	*	0	500	*	5,100	18,700	*	*	*	1,200	*	500	15,900
Production, tons	125,400															
Barley: Acres	22,000	*	500	0	*	1,200	*	*	8,200	700	*	700	7,400	*	*	2,100
Production, tons	52,270															
Corn for Grain: Acres	15,000	0	6,900	*	*	3,500	*	1,600	1,000	0	0	*	300	*	700	500
Production, tons	58,800															
Sorghum for Grain: Acres	11,000	700	700	0	0	1,200	*	1,300	3,800	*	*	*	1,700	0	0	1,000
Production, tons	27,720															
Potatoes: Acres	4,900	0	2/	0	0	0	0	0	4,900	0	0	0	0	0	0	2/
Production, cwt.	1,348,000															
Principal vegetables: Acres 1/	74,600	0	2,130	0	0	0	0	5,310	19,260	0	0	1,030	2,040	0	0	44,830
Production, cwt.	18,852,000															
Grapes: Acres	7,100	0	*	0	0	0	0	0	2,830	0	0	*	2,265	*	*	1,705
Production, tons	31,000															
Grapefruit: Acres	5,900	0	0	0	0	0	0	0	3,580	0	0	0	2/	0	0	2,320
Production, ctns.	5,500,000															
All oranges: Acres	10,900	0	0	0	0	0	0	0	6,310	0	0	0	2/	0	0	4,590
Production, ctns.	5,400,000															
Lemons: Acres	15,500	0	0	0	0	0	0	0	1,500	0	0	0	2/	0	0	14,000
Production, ctns.	14,200,000															
Tangerines: Acres	3,200	0	0	0	0	0	0	0	1,610	0	0	0	2/	0	0	1,590
Production, ctns.	1,800,000															
Other crops: Acres 3/	61,511															
Total acres harvested 4/	890,411															

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

PRINCIPAL CROPS: Acreage harvested by counties, and total State production, Arizona, 1988

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	349,000	0	17,400	0	0	9,900	1,100	30,200	148,200	5,200	0	9,400	98,200	1/	0	29,400
Bales, 480 lb. net wt.	865,000															
American Pima Cotton: Acres	128,000	0	1,200	0	0	14,300	0	6,400	33,400	0	0	5,300	60,800	0	0	6,600
Bales, 480 lb. net wt.	241,000															
Alfalfa: Acres	155,000	3,600	6,900	*	*	4,400	500	36,400	46,400	4,000	3,100	1,500	11,600	600	2,900	32,600
Production, tons	1,225,000															
Other hay: Acres	25,000	1,100	800	*	*	800	*	5,000	5,000	700	*	*	700	*	2,200	7,000
Production, tons	100,000															
Durum wheat: Acres	50,000	*	*	0	*	*	*	3,300	16,200	*	*	*	14,000	0	0	13,100
Production, tons	129,000															
Other wheat: Acres	35,000	*	*	*	0	*	*	8,800	12,700	*	*	*	1,400	*	400	8,900
Production, tons	102,900															
Barley: Acres	13,000	*	*	0	*	700	*	*	3,900	*	*	300	4,400	*	*	2,000
Production, tons	32,450															
Corn for Grain: Acres	13,000	0	6,400	*	0	2,500	300	1,200	800	0	0	*	300	0	500	600
Production, tons	56,420															
Potatoes: Acres	5,300	0	0	0	0	0	0	0	5,300	0	0	0	0	0	0	2/
Production, cwt.	1,246,000															
Principal vegetables: Acres 2/	77,500	0	2,705	0	0	0	0	2,420	17,770	0	0	950	2,995	0	0	50,660
Production, cwt.	18,515,000															
Grapes: Acres	6,700	0	*	0	0	0	0	0	2,855	0	0	*	1,730	*	*	1,820
Production, tons	25,500															
Grapefruit: Acres	6,000	0	0	0	0	0	0	0	3,500	0	0	0	3/	0	0	2,500
Production, ctns.	3,900,000															
All oranges: Acres	10,600	0	0	0	0	0	0	0	6,170	0	0	0	3/	0	0	4,430
Production, ctns.	3,640,000															
Lemons: Acres	15,500	0	0	0	0	0	0	0	1,500	0	0	0	3/	0	0	14,000
Production, ctns.	7,300,000															
Tangerines: Acres	3,500	0	0	0	0	0	0	0	2,030	0	0	0	3/	0	0	1,470
Production, ctns.	1,200,000															
Other crops: Acres 4/	62,719															
Total acres harvested 5/	955,819															

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1/ Includes acreage in Pima County to avoid disclosure of individual operations.
2/ Some counties may include acreage for other counties to avoid disclosure of individual operations.
3/ Includes acreage in 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 total State production, Arizona, 1989

Crop	State Total	Apache	Cochise	Coconino	Gila	Graham	Greenlee	La Paz	Maricopa	Mohave	Navajo	Pima	Pinal	Santa Cruz	Yavapai	Yuma
Upland Cotton: Acres	239,000	0	13,900	0	0	4,800	900	14,900	108,800	4,600	0	6,100	69,900	0	0	15,100
Bales, 480 lb. net wt.	649,000															
American Pima Cotton: Acres	244,500	0	6,000	0	0	20,000	*	17,700	63,200	700	0	8,400	114,000	*	0	14,100
Bales, 480 lb. net wt.	477,000															
Alfalfa: Acres	150,000	3,000	6,500	*	*	3,500	*	35,200	45,800	6,000	2,500	1,200	11,100	700	2,500	31,100
Production, tons	1,140,000															
Other hay: Acres	35,000	1,200	800	500	*	800	*	6,500	6,800	1,300	*	*	1,000	*	2,200	12,500
Production, tons	140,000															
Durum wheat: Acres	84,000	*	*	0	*	400	*	6,000	27,500	*	*	*	21,800	*	*	23,900
Production, tons	226,800															
Other wheat: Acres	34,000	*	*	*	0	400	*	7,900	10,400	*	*	*	1,000	0	*	11,800
Production, tons	94,860															
Barley: Acres	12,000	*	400	0	*	600	*	*	3,900	*	*	*	4,100	*	*	1,700
Production, tons	29,660															
Corn for Grain: Acres	13,000	0	7,100	*	0	2,400	400	1,500	700	0	*	*	100	*	*	*
Production, tons	52,780															
Potatoes: Acres	5,800	0	0	0	0	0	0	0	5,800	0	0	0	0	0	0	1/
Production, cwt.	1,827,000															
Principal vegetables: Acres 2/	80,900	0	2,165	0	0	0	0	5,195	17,700	0	0	950	3,410	0	0	51,480
Production, cwt.	18,492,000															
Grapes: Acres	6,200	0	*	0	0	0	0	0	2,460	0	0	*	1,975	*	*	1,345
Production, tons	26,500															
Grapefruit: Acres	6,500	0	0	0	0	0	0	0	4,000	0	0	0	1/	0	0	2,500
Production, ctns.	3,900,000															
All oranges: Acres	10,400	0	0	0	0	0	0	0	6,070	0	0	0	1/	0	0	4,330
Production, ctns.	3,400,000															
Lemons: Acres	15,500	0	0	0	0	0	0	0	1,500	0	0	0	1/	0	0	14,000
Production, ctns.	7,600,000															
Tangerines: Acres	3,600	0	0	0	0	0	0	0	1,900	0	0	0	1/	0	0	1,700
Production, ctns.	1,300,000															
Other crops: Acres 3/	65,916															
Total acres harvested 4/	1,006,316															

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