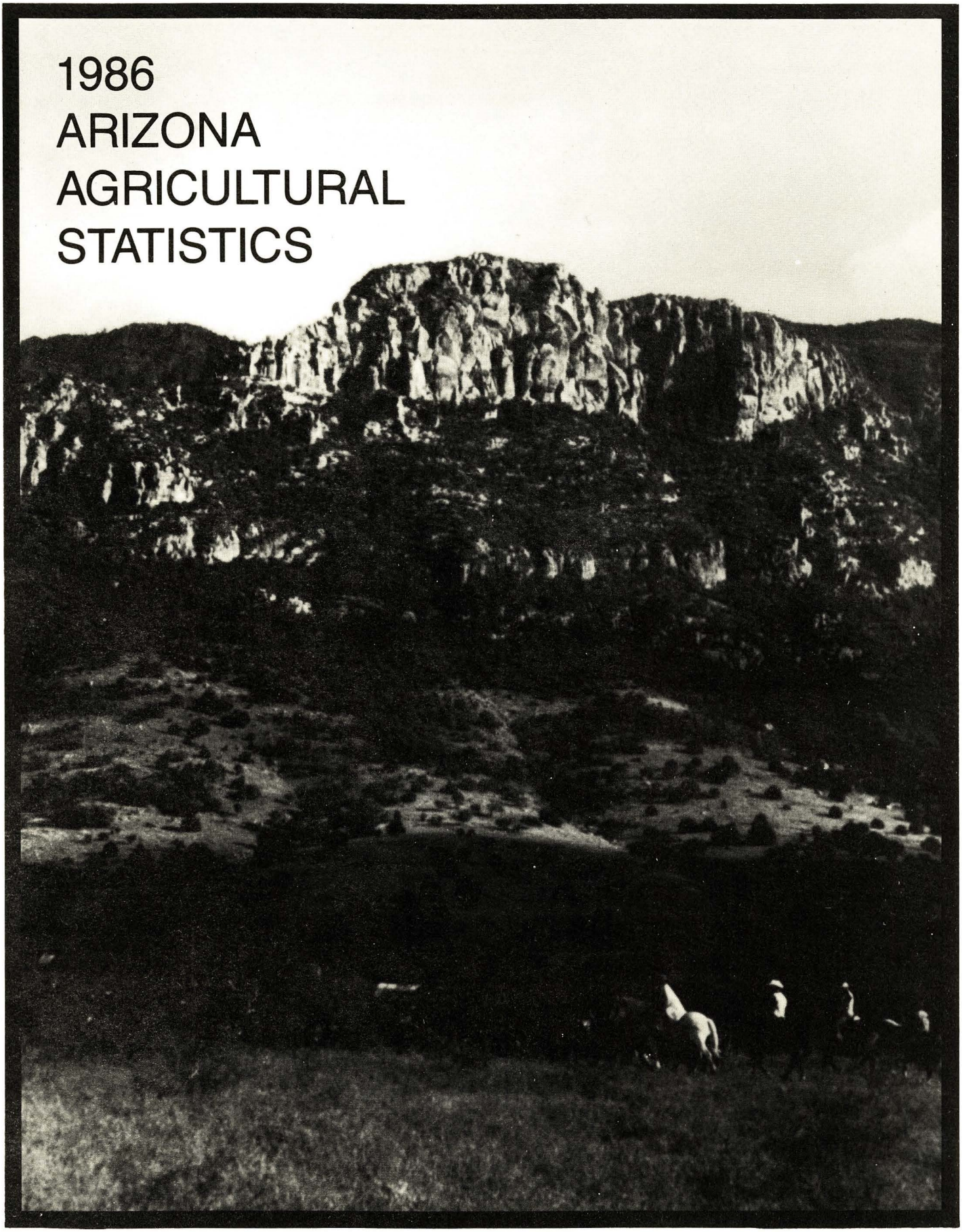
1986 ARIZONA AGRICULTURAL STATISTICS



ISSUED JULY 1987

We are pleased to present this twenty-second edition of Arizona Agricultural Statistics. This year's edition includes the following new features:

-- Corn and sorghum silage average price and value for 1986

-- Marketing year average prices for field crops 1979-1986

-- Small grain progress for the 1986 crop

-- Seeding rates for field crops

-- Citrus season average equivalent returns

-- Number of feedlots and marketings by size group

-- Range and pasture condition

-- Number of bee colonies and honey production

-- Ice milk production

-- Reformatted and more extensive economic data

I would like to extend a special thanks to the office staff, field and telephone enumerators of the Arizona Agricultural Statistics Service who collect, edit, summarize, type, verify, and publish the data that you find within the pages of this bulletin.

Barry L. Bloyd
State Statistician

ABOUT OUR COVER

The cover photograph is courtesy of the Arizona Cattle Growers Association. This photo was taken during Spring roundup at the Deer Creek Ranch near Bonita in Graham County.

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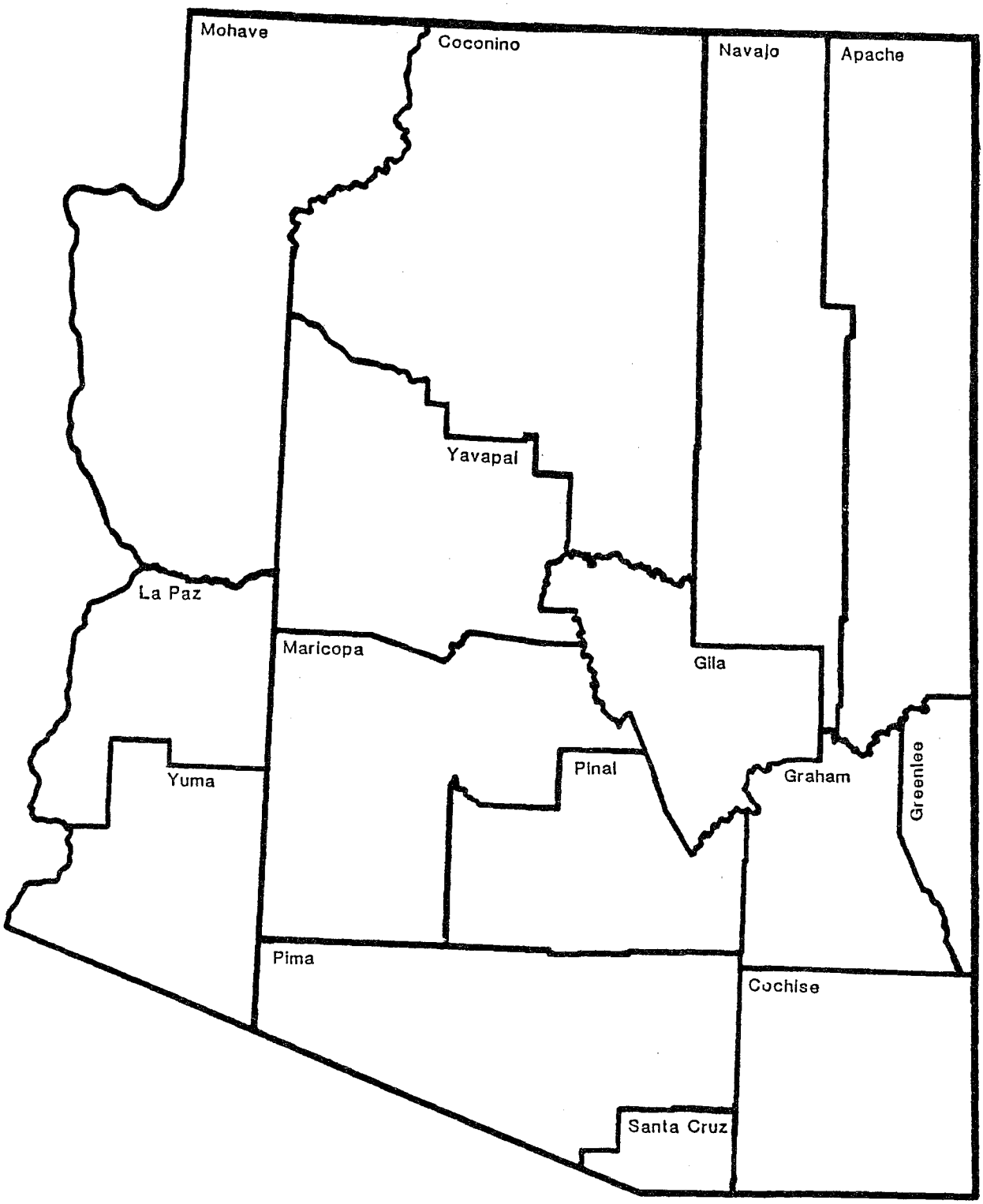
ARIZONA COUNTIES



INTRODUCTION

Arizona farm and ranch families have been very important in shaping the character and values of our state. We greatly appreciate those who have invested their effort and taken the risks to develop and maintain one of our state's largest industries.

This twenty-second edition of "Arizona Agricultural Statistics" officially documents the efforts of these families who produce the food and fiber for our state, nation, and the world. Included in this Bulletin are data for the most recent five years (1982-1986) which includes data at the county level for major crop and livestock items.

This publication is made possible through a joint effort of the College of Agriculture and the Arizona Agricultural Statistics Service of U.S.D.A. to supply current, detailed, and reliable information for decision-makers. We gratefully acknowledge the assistance and cooperation of the many farmers, ranchers, agri-business, other state and federal agencies, and other university departments who voluntarily furnish the basic information for this publication.

If you have any comments or suggestions regarding this publication, please feel free to contact me or the office of the Arizona Agricultural Statistics Service. We are here to serve you, the data user.

Jimmye S. Hillman
Department of Agricultural Economics

STATE SUMMARY

NUMBER OF FARMS AND RANCHES: Selected States, 1982-86 1/

State	1982	1983	1984	1985	1986
			Number		
Arizona	8,000	8,200	8,300	8,500	8,600
California	82,000	80,000	78,000	79,000	79,000
Colorado	27,500	27,000	27,000	26,700	26,600
Idaho	24,700	24,500	24,600	24,600	24,000
Montana	24,000	24,000	23,900	23,800	23,600
Nevada	2,900	2,700	2,600	2,500	2,400
New Mexico	14,000	14,000	14,000	13,800	13,600
Oregon	37,000	37,500	37,000	37,000	37,000
Texas	188,000	187,000	187,000	177,000	160,000
Utah	14,000	14,000	14,000	13,900	13,700
Washington	39,000	38,000	38,000	38,000	38,000
Wyoming	9,100	9,200	9,100	9,000	8,800
UNITED STATES	2,400,550	2,370,200	2,328,400	2,274,730	2,214,420

1/ A farm is a place as of June 1 that sells or could sell $1,000 of agricultural products during the year.

LAND IN FARMS AND RANCHES: Selected States, 1982-86 1/

State	1982	1983	1984	1985	1986	Average size of farms and ranches 1986
			1,000 acres			Acres
Arizona	37,500	37,500	37,500	37,500	37,500	4,360
California	33,400	33,200	33,000	32,900	32,800	415
Colorado	35,200	34,800	34,600	34,400	34,200	1,286
Idaho	14,900	14,900	14,700	14,500	14,000	583
Montana	61,500	61,300	61,100	61,000	61,000	2,585
Nevada	8,900	8,900	8,800	8,800	8,800	3,667
New Mexico	46,000	46,000	45,800	45,000	44,600	3,279
Oregon	18,000	18,000	18,000	18,000	17,900	484
Texas	137,200	137,000	136,800	135,500	134,000	838
Utah	12,100	12,000	11,800	11,600	11,400	832
Washington	16,400	16,300	16,100	16,100	16,000	421
Wyoming	35,000	35,000	34,800	34,800	34,800	3,955
UNITED STATES	1,027,795	1,024,195	1,019,378	1,014,383	1,007,363	455

1/ Land in farms, along with "average size" of farm can be misleading, especially in the western states, since it excludes all state and federal public grazing lands which are leased on a per-head basis rather than a per-acre basis. Conversely, Indian lands that cannot be accounted for in the usual individual operator manner are reported as one farm or ranch by a central tribe source. In Arizona, Indian lands contribute over 20 million acres to the State's land in farms. The Navajo nation, as one farm, accounts for almost half of the Indian land. Arizona irrigated farms which are larger than 100 acres average about 650 acres in size.

FARM BALANCE SHEET: Arizona, December 31, 1981-85 1/

Item	1981	1982	1983	1984	1985
			Million dollars		
TOTAL FARM ASSETS	12,859.6	12,357.9	12,490.7	11,428.1	10,143.2
Real estate	11,325.0	10,837.5	11,062.5	9,937.5	8,662.5
Livestock and poultry	449.4	440.3	411.0	447.9	426.9
Machinery and motor vehicles	505.7	503.0	505.9	498.7	488.5
Crops	204.6	180.7	81.9	82.1	108.3
Household equipment and furnishings	153.5	169.1	187.1	202.6	196.7
Deposits and currency	96.1	103.8	112.2	127.9	135.8
U.S. savings bonds	4.6	4.6	4.9	5.2	5.6
Investments in cooperatives	120.6	118.9	125.1	126.2	118.9
TOTAL FARM DEBT	1,806.8	1,851.7	1,881.2	1,925.3	1,816.0
Real estate debt	700.5	716.2	752.1	726.0	668.9
Nonreal estate debt	1,085.4	1,074.5	1,096.1	1,197.2	1,098.1
CCC loans	21.0	61.0	33.0	2.0	49.0
EQUITY	11,052.7	10,506.2	10,609.5	9,502.9	8,327.2
RATIOS			Percent		
Equity/assets	85.9	85.0	84.9	83.2	82.1
Debt/equity	16.3	17.6	17.7	20.3	21.8
Debt/assets, total	14.1	15.0	15.1	16.8	17.9
Debt/assets, real estate	6.2	6.6	6.8	7.3	7.7
Debt/assets, nonreal estate and CCC	72.1	74.7	79.1	80.5	77.5
Net farm income/debt	23.8	16.1	10.6	25.6	17.6

1/ Includes farm households.

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

FARM REAL ESTATE DEBT: Amount outstanding by lender, Arizona, December 31, 1981-85 1/

Year	Federal land banks	Farmers Home Administration	Life insurance companies	All operating banks	Individuals and others	Total 2/
			Million dollars			
1981	134	80	220	12	254	700
1982	146	82	220	12	256	716
1983	158	83	239	14	258	752
1984	166	80	224	18	239	726
1985	158	77	159	58	217	669

1/ Includes farm 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.

FARM NONREAL ESTATE DEBT: Amount outstanding by lender, Arizona, December 31, 1981-85 1/

Year	Debt owed to reporting institutions (excluding CCC)					Individuals and others	Commodity Credit Corporation	Total 2/
	All operating banks	Production credit associations	Federal intermediate credit banks	Farmers Home Administration	Total			
				Million dollars				
1981	443	181	14	210	848	238	21	1,106
1982	441	176	10	222	849	225	61	1,135
1983	462	188	7	221	878	218	33	1,129
1984	556	200	9	213	978	218	2	1,199
1985	512	184	7	207	910	188	49	1,147

1/ Includes farm 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.

VALUE OF HOME AGRICULTURAL COMMODITY CONSUMPTION: Arizona, 1982-85 1/

Year	Livestock and Products	Crops	Total
		1,000 Dollars	
1982	6,667	1,270	7,937
1983	4,637	834	5,471
1984	5,771	856	6,627
1985	4,996	889	5,885

1/ Value of farm products consumed directly in farm households where produced.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

COMMODITY CREDIT CORPORATION LOANS: Arizona, 1981-85

Year	Net loans 1/	Loans Liquidated 2/
	1,000 dollars	
1981	-3,704	107
1982	82,607	1,368
1983	-21,870	9,940
1984	-62,058	10,570
1985	89,682	2,149

1/ Loans made minus loans repaid.
2/ Loans acquired by Commodity Credit Corporation plus loans charged off.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

FARM INCOME INDICATORS: Arizona, 1978-85

Item	1978	1979	1980	1981
	Million dollars			
Gross farm income 1/	1,679.2	1,771.3	1,909.0	1,895.4
Cash income	1,567.8	1,751.6	1,711.7	1,746.8
Farm marketings	1,496.8	1,704.6	1,676.9	1,710.6
Crops	729.8	857.4	893.7	981.0
Livestock and products	767.0	847.2	783.3	729.6
Government payments	9.2	9.1	5.1	5.9
Other farm income	61.8	37.9	29.7	30.3
Machine hire/customwork	7.4	8.5	7.5	8.2
Other farm-related income 2/	54.5	29.4	22.2	22.1
Noncash income	64.3	62.1	86.0	86.2
Value of home consumption	4.0	6.8	9.9	6.9
Rental value of dwellings	60.3	55.2	76.1	79.3
Operators dwellings	56.7	51.8	72.6	75.9
Hired laborers dwellings	3.6	3.5	3.5	3.5
Value of inventory adjustment	47.1	-42.3	111.3	62.4
Total production expenses 1/	1,392.9	1,466.3	1,570.6	1,517.3
Intermediate product expenses	947.8	944.0	984.6	908.0
Farm origin	571.2	529.0	526.7	435.1
Feed	218.8	233.4	276.6	256.1
Livestock	340.2	282.4	235.7	164.0
Seed	12.1	13.2	14.4	15.1
Manufactured inputs	179.5	200.3	240.1	248.6
Fertilizer and lime	45.0	48.2	70.4	68.8
Pesticides	42.2	53.0	52.9	60.8
Fuel and oil	57.3	63.6	79.8	77.5
Electricity	34.9	35.6	36.9	41.4
Other	197.1	214.6	217.8	224.3
Repair and operation	28.9	36.8	42.7	40.9
Other miscellaneous 3/	168.3	177.9	175.1	183.4
Interest	84.6	117.5	145.9	181.8
Real estate	33.7	40.2	48.6	54.6
Nonreal estate	50.9	77.2	97.3	127.2
Contract and hired labor expenses	171.4	184.2	188.8	179.7
Cash labor expenses 4/	159.2	171.0	175.1	166.6
Perquisites	12.2	13.2	13.6	13.1
Net rent to nonoperator landlords 5/	16.1	32.6	40.9	33.4
Capital consumption	142.7	158.1	181.9	186.4
Business taxes	30.2	30.0	28.6	28.1
NET FARM INCOME	286.3	305.0	338.4	378.1
Cash income 6/	1,567.8	1,751.6	1,711.7	1,746.8
Cash expenses 6/	1,231.0	1,287.4	1,364.9	1,308.2
Intermediate product expenses	943.2	939.2	977.5	901.7
Interest	83.1	115.7	143.7	179.4
Cash labor expenses 4/	159.2	171.0	175.1	166.6
Net rent to nonoperator landlords 5/	16.1	32.6	40.9	33.4
Business taxes	29.3	28.9	27.6	27.2
NET CASH INCOME	336.8	464.2	346.8	438.6
Cash income	1,567.8	1,751.6	1,711.7	1,746.8
Cash expenses	1,231.0	1,287.4	1,364.9	1,308.2
Capital consumption	128.1	139.1	155.3	158.4
NET BUSINESS INCOME 7/	208.7	325.0	191.6	280.2
Gross receipts of farms 8/	1,622.5	1,719.5	1,836.4	1,819.5
Nonfactor payments 6/	1,100.6	1,107.3	1,160.4	1,087.3
Intermediate product expenses	943.2	939.2	977.5	901.7
Capital consumption	128.1	139.1	155.3	158.4
Business taxes	29.3	28.9	27.6	27.2
Factor payments 6/	521.9	612.3	676.0	732.3
Interest	83.1	115.7	143.7	179.4
Contract and hired labor expenses	171.4	184.2	188.8	179.7
Net rent to nonoperator landlords 5/	16.1	32.6	40.9	33.4
RETURNS TO OPERATORS 9/	251.2	279.8	302.6	339.8
Off-farm income 10/	165.2	199.6	204.6	211.1

See footnotes at end of table.

Continued--

FARM INCOME INDICATORS: Arizona, 1978-85--continued

Item	1982	1983	1984	1985
	Million dollars			
Gross farm income 1/	1,793.3	1,715.0	2,048.4	1,839.9
Cash income	1,809.0	1,784.7	1,844.5	1,751.0
Farm marketings	1,646.4	1,585.2	1,653.5	1,528.9
Crops	939.3	840.3	900.5	827.3
Livestock and products	707.1	744.9	753.1	701.6
Government payments	59.4	102.9	118.4	95.3
Other farm income	103.2	96.6	72.6	126.8
Machine hire/customwork	9.5	6.6	7.8	10.8
Other farm-related income 2/	93.7	90.0	64.8	116.0
Noncash income	91.8	87.6	89.8	87.1
Value of home consumption	7.5	5.5	6.6	5.9
Rental value of dwellings	84.3	82.2	83.2	81.2
Operators dwellings	80.2	78.1	79.3	77.6
Hired laborers dwellings	4.1	4.0	3.9	3.6
Value of inventory adjustment	-107.6	-157.4	114.1	1.8
Total production expenses 1/	1,528.2	1,548.3	1,594.1	1,552.9
Intermediate product expenses	881.4	938.2	953.3	915.5
Farm origin	411.6	485.7	479.1	440.0
Feed	237.8	294.0	287.1	274.3
Livestock	160.1	178.8	177.1	151.2
Seed	13.7	12.9	14.9	14.6
Manufactured inputs	230.3	215.0	222.1	214.3
Fertilizer and lime	60.1	47.3	48.2	44.2
Pesticides	60.0	58.3	66.8	69.6
Fuel and oil	62.8	59.6	56.8	52.4
Electricity	47.4	49.8	50.3	48.1
Other	239.6	237.5	252.1	261.1
Repair and operation	42.2	41.3	42.7	41.2
Other miscellaneous 3/	197.3	196.2	209.4	220.0
Interest	192.9	184.3	182.1	181.5
Real estate	58.3	62.5	63.4	65.0
Nonreal estate	134.6	121.8	118.7	116.6
Contract and hired labor expenses	203.4	191.6	198.0	211.1
Cash labor expenses 4/	188.4	177.1	182.6	197.2
Perquisites	15.0	14.5	15.4	13.9
Net rent to nonoperator landlords 5/	33.1	30.1	39.7	34.9
Capital consumption	192.2	176.8	191.7	178.0
Business taxes	25.2	27.4	29.4	32.0
NET FARM INCOME	265.0	166.7	454.3	286.9
Cash income 6/	1,809.0	1,784.7	1,844.5	1,751.0
Cash expenses 6/	1,303.5	1,339.2	1,368.0	1,343.8
Intermediate product expenses	872.5	929.5	943.3	906.3
Interest	186.7	177.6	175.5	175.7
Cash labor expenses 4/	188.4	177.1	182.6	197.2
Net rent to nonoperator landlords 5/	33.1	30.1	39.7	34.9
Business taxes	22.8	25.0	26.9	29.7
NET CASH INCOME	505.5	445.6	476.5	407.2
Cash income	1,809.0	1,784.7	1,844.5	1,751.0
Cash expenses	1,303.5	1,339.2	1,368.0	1,343.8
Capital consumption	163.1	147.7	162.3	152.1
NET BUSINESS INCOME 7/	342.5	297.9	314.2	255.1
Gross receipts of farms 8/	1,713.0	1,636.9	1,969.1	1,762.2
Nonfactor payments 6/	1,058.4	1,102.1	1,132.5	1,088.1
Intermediate product expenses	872.5	929.5	943.3	906.3
Capital consumption	163.1	147.7	162.3	152.1
Business taxes	22.8	25.0	26.9	29.7
Factor payments 6/	654.6	534.8	836.6	674.1
Interest	186.7	177.6	175.5	175.7
Contract and hired labor expenses	203.4	191.6	198.0	211.1
Net rent to nonoperator landlords 5/	33.1	30.1	39.7	34.9
RETURNS TO OPERATORS 9/	231.5	135.5	423.5	252.4
Off-farm income 10/	214.8	218.3	223.4	240.7

1/ Includes operator households.
2/ Includes forest product sales, recreational income, and other farm business-related income. Estimates for 1982 and later include income from custom feeding services.
3/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. Definitions and data sources for 1978 and later are not directly compatible with those of earlier years.
4/ Includes contract labor expenses, hired labor wages, and Social Security payments.
5/ Uses different data sources for periods before 1979, 1979-83, and 1984 and later. Estimates are not directly compatible among periods.
6/ Excludes operator households.
7/ Cash income less cash expenses and capital consumption.
8/ Gross farm income less rental value of operators' dwellings.
9/ Gross receipts of farms less nonfactor payments, interest, wages to contract and hired labor, and net rent to nonoperator landlords.
10/ Includes off-farm income for members of farm operators' households only.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

GOVERNMENT PAYMENTS: By program, Arizona, 1981-85

Year	Conservation 1/	Feed grain program	Wheat program	Cotton program	Wool act program	Miscellaneous programs 2/	Total
				1,000 dollars			
1981	2,706	339	1,748	83	597	387	5,860
1982	1,492	823	1,183	54,733	743	473	59,447
1983	1,520	638	1,113	42,188	1,183	56,282	102,924
1984	6,256	702	3,311	11,655	1,792	94,669	118,385
1985	2,124	1,406	2,861	81,953	1,587	5,361	95,292

1/ Includes amount paid under agriculture and conservation programs (Agriculture Conservation, Emergency Conservation, and Drought and Flood Conservation).
2/ Includes Dairy Indemnity Program, Payment-In-Kind Program, Rural Clean Water Program, Clean Lakes Program, Forest Incentive Program, Water Bank Program, Emergency Livestock Feed Program, Extended Storage Program, Milk Diversion Program, and Animal and Plant Health Inspection Service Indemnity Program.
Source: United States Department of Agriculture, Economic Research Service; Economic Indicators of the Farm Sector, State Financial Summary.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS AND GOVERNMENT PAYMENTS: Arizona, 1978-86

Commodity Group	1978	1979	1980	1981	1982	1983	1984	1985	1986 1/
Cotton lint	298,298	391,298	409,397	437,796	440,482	375,128	304,970	292,219	
Cottonseed	37,303	39,852	49,327	42,111	22,090	32,452	32,470	22,404	
Hay	59,282	71,619	80,847	73,740	78,689	80,742	92,026	77,103	
Wheat	30,029	34,466	64,838	92,169	38,886	47,841	46,993	34,581	
Barley	6,951	6,941	9,568	9,279	8,735	6,500	13,725	14,883	
Corn	11,490	13,681	9,521	9,939	6,721	6,099	7,232	5,681	
Sorghum grain	4,495	4,283	8,341	5,517	2,896	3,313	2,982	3,299	
Lettuce	101,180	91,207	88,563	106,640	143,575	84,682	106,300	109,911	
Cauliflower	2,582	5,674	9,008	9,953	14,424	12,250	16,514	19,345	
Potatoes	12,665	5,597	6,542	10,744	9,177	8,404	14,812	14,812	
Cantaloups	17,702	17,661	14,244	14,571	2/	2/	18,476	13,746	
Watermelons	3,904	3,568	3,632	5,418	2/	2/	6,341	6,182	
Onions	3,772	4,816	11,748	8,704	6,899	5,287	7,366	5,386	
Broccoli	1,258	1,847	1,330	1,542	1,866	1,458	2,772	4,620	
Honeydews	2,654	2,272	2,299	4,589	4,643	4,284	5,890	4,356	
Carrots	2,355	2,720	2,708	2,807	5,735	5,370	5,580	3,742	
Other miscellaneous vegetables	25,883	39,915	29,453	38,087	37,036	66,108	27,495	35,978	
Grapefruit	6,173	5,745	5,912	10,651	6,936	6,086	14,521	18,032	
Oranges	23,141	15,299	10,190	8,626	22,575	12,511	18,065	16,024	
Lemons	13,277	42,289	22,317	21,629	18,343	19,064	20,741	15,087	
Tangerines	5,514	828	1,771	2,068	5,465	1,832	9,011	6,508	
Grapes	13,428	12,499	14,438	15,302	14,905	15,267	22,443	17,851	
Other miscellaneous fruits and nuts	15,879	17,586	3,583	14,475	14,055	15,065	16,067	15,121	
All other crops 3/	30,604	25,745	34,084	34,663	35,147	30,550	87,685	70,383	
TOTAL ALL CROPS	729,819	857,408	893,661	981,020	939,280	840,293	900,477	827,254	838,000
Cattle and calves	629,087	679,563	602,298	522,914	461,956	495,648	504,388	433,662	
Hogs	18,520	24,070	22,448	28,743	35,011	31,963	28,551	27,462	
Sheep and lambs	9,253	13,472	10,524	8,675	9,660	7,443	7,510	6,884	
Dairy products	101,234	118,969	137,633	158,920	166,387	171,252	168,166	183,794	
Eggs	4,692	5,519	4,056	4,489	4,734	4,628	5,266	4,373	
Chickens	97	164	82	54	38	77	62	44	
Honey	602	1,799	2,436	1,917	2/	2/	2,240	3,650	
Wool	1,557	1,733	1,793	1,885	1,326	912	938	849	
Other livestock and products	1,921	1,915	1,996	1,986	28,002	32,979	35,935	40,904	
TOTAL ALL LIVESTOCK AND PRODUCTS	766,963	847,204	783,266	729,583	707,114	744,902	753,056	701,622	714,000
TOTAL ALL COMMODITIES	1,496,782	1,704,612	1,676,927	1,710,603	1,646,394	1,585,195	1,653,533	1,528,876	1,552,000
GOVERNMENT PAYMENTS	9,172	9,072	5,081	5,860	59,447	102,924	118,385	95,292	
TOTAL CASH RECEIPTS	1,505,954	1,713,684	1,682,008	1,716,463	1,705,841	1,688,119	1,771,918	1,624,168	

1/ Only crop and livestock totals available.
2/ Not available.
3/ Includes miscellaneous field crops, seed crops, and greenhouse/nursery.

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Total crops and livestock, Arizona, by counties, 1981-85

County	1981	1982	1983	1984	1985
			1,000 dollars		
Apache	19,314	21,153	22,871	23,566	18,691
Cochise	65,892	57,769	59,370	49,581	47,044
Coconino	16,178	15,835	18,452	24,941	22,711
Gila	10,502	10,317	9,234	7,973	5,959
Graham	40,249	41,334	41,782	35,712	32,357
Greenlee	7,852	6,804	8,432	7,695	4,983
La Paz 1/			70,097	74,831	63,404
Maricopa	700,677	672,259	649,269	691,364	636,290
Mohave	22,342	22,745	24,764	21,361	18,414
Navajo	28,438	30,398	32,684	31,338	27,329
Pima	53,176	48,465	46,170	56,160	44,909
Pinal	334,985	293,790	273,368	282,065	253,607
Santa Cruz	5,495	4,836	6,644	7,516	7,080
Yavapai	23,001	23,300	26,913	31,143	26,699
Yuma 1/	382,502	397,389	295,145	308,287	319,399
Arizona	1,710,603	1,646,394	1,585,195	1,653,533	1,528,876

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

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Crops, Arizona, by counties, 1981-85

County	1981	1982	1983	1984	1985
			1,000 dollars		
Apache	920	1,620	2,988	2,759	2,443
Cochise	42,087	35,479	33,981	26,980	26,407
Coconino	1,202	469	658	667	549
Gila	273	361	617	586	387
Graham	20,075	22,297	21,393	18,277	16,968
Greenlee	1,609	1,197	1,841	1,412	878
La Paz 1/			67,204	73,061	62,552
Maricopa	399,583	365,643	343,380	381,459	337,116
Mohave	7,685	9,631	9,814	8,547	5,864
Navajo	1,977	2,104	3,699	3,199	1,515
Pima	26,290	23,928	19,292	29,003	23,078
Pinal	185,713	169,380	141,957	139,164	131,359
Santa Cruz	868	722	901	522	265
Yavapai	1,333	2,259	3,006	2,306	2,063
Yuma 1/	291,405	304,190	189,562	212,535	215,810
Arizona	981,020	939,280	840,293	900,477	827,254

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

CASH RECEIPTS FROM AGRICULTURAL MARKETINGS: Livestock and livestock products, Arizona, by counties, 1981-1985

County	1981	1982	1983	1984	1985
			1,000 dollars		
Apache	18,394	19,533	19,883	20,807	16,248
Cochise	23,805	22,290	25,389	22,601	20,637
Coconino	14,976	15,366	17,794	24,274	22,162
Gila	10,229	9,956	8,617	7,387	5,572
Graham	20,174	19,037	20,389	17,435	15,389
Greenlee	6,243	5,607	6,591	6,283	4,105
La Paz 1/			2,893	1,770	852
Maricopa	301,094	306,616	305,889	309,905	299,174
Mohave	14,657	13,114	14,950	12,814	12,550
Navajo	26,461	28,294	28,985	28,139	25,814
Pima	26,886	24,537	26,878	27,157	21,831
Pinal	149,272	124,410	131,411	142,901	122,248
Santa Cruz	4,627	4,114	5,743	6,994	6,815
Yavapai	21,668	21,041	23,907	28,837	24,636
Yuma 1/	91,097	93,199	105,583	95,752	103,589
Arizona	729,583	707,114	744,902	753,056	701,622

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

CROP SUMMARY: Acreage harvested, production, and value, Arizona and United States, 1984-86

Crop	Acres harvested			Production				Value		
	1984	1985	1986	Unit	1984	1985	1986	1984	1985	1986
	1,000 acres				1,000			1,000 Dollars		
ARIZONA										
Barley	53	62	29	Ton	128	144	70	16,059	16,959	7,395
Corn for grain	26	21	24	Ton	91	62	74	10,205	6,240	6,072
Corn for silage	6	8	13	Ton	150	184	325	1/	1/	5,850
Corn for forage	0	0	2/	Ton						
Upland Cotton	429.0	359.0	249.0	Bale	1,097.0	928.0	675.0	316,463	259,246	185,328
American-Pima Cotton	50.3	56.3	73.8	Bale	88.1	108.7	148.3	39,116	46,019	63,496
All Cotton	479.3	415.3	322.8	Bale	1,185.1	1,036.7	823.3	355,579	305,265	248,824
Cottonseed				Ton	464.5	389.0	309.0	46,915	30,731	23,948
Alfalfa Hay	140	145	155	Ton	1,008	1,030	1,178			
Other Hay	25	22	22	Ton	100	79	84			
All hay	165	167	177	Ton	1,108	1,109	1,262	93,626	88,166	88,971
Sorghum for grain	16	16	12	Ton	38	36	29	4,461	3,732	2,401
Sorghum for silage	2	2	3	Ton	40	48	57	1/	1/	912
Sorghum for forage	0	0	2/							
Durum Wheat	80	46	48	Ton	216	116	125	30,384	13,563	15,034
Other Wheat	62	66	48	Ton	167	178	135	21,762	20,909	13,536
All wheat	142	112	96	Ton	383	294	261	52,146	34,472	28,570
Broccoli 3/	1.3	1.9	2.9	Cwt.	99	177	238	2,772	4,620	5,474
Carrots 3/	2.9	2.4	2.4	Cwt.	377	396	396	5,580	3,742	4,316
Cauliflower 3/	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 3/	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 3/	6.8	7.1	7.1	Ctn.	4,540	6,000	4,800	9,027	16,940	11,701
Lemons 3/	18.3	17.0	16.5	Ctn.	8,000	12,000	6,500	19,320	27,537	48,531
Oranges 3/	12.6	10.9	10.9	Ctn.	3,600	4,900	4,600	13,939	23,225	15,910
Tangerines 3/	3.5	3.4	3.4	Ctn.	2,300	1,400	1,400	8,108	8,691	8,339
Grapes	4.5	5.1	6.3	Ton	14.0	18.5	23.0	18,340	17,908	25,070
UNITED STATES										
Barley	11,231	11,603	12,007	Ton	14,381	14,193	14,652	1,356,316	1,168,621	945,804
Corn for grain	71,915	75,224	69,189	Ton	214,873	248,548	231,079	20,084,595	21,029,100	12,387,438
Corn for silage	7,541	7,160	6,244	Ton	104,590	102,753	88,510	1/	1/	1/
Corn for forage	330	306	2/	Ton	1/	1/		1/	1/	
Upland Cotton	10,299.5	10,145.4	8,357.3	Bale	12,851.4	13,277.1	9,525.2	3,545,913	3,577,714	2,353,109
American-Pima Cotton	79.6	83.6	111.1	Bale	130.4	155.1	205.9	57,521	67,696	87,411
All cotton	10,379.1	10,229.0	8,468.4	Bale	12,981.8	13,432.2	9,731.1	3,603,434	3,645,410	2,440,520
Cottonseed				Ton	5,148.9	5,279.2	3,800.9	511,953	348,342	298,365
Alfalfa Hay	26,799	25,608	26,748	Ton	90,105	85,048	91,424			
Other Hay	34,646	34,815	35,526	Ton	60,543	63,553	63,847			
All hay	61,445	60,423	62,274	Ton	150,648	148,601	155,271	10,203,921	9,437,282	8,643,727
Sorghum for grain	15,355	16,782	13,904	Ton	24,255	31,368	26,366	2,054,805	2,538,322	1,315,833
Sorghum for silage	609	534	495	Ton	6,472	6,566	5,850	1/	1/	1/
Sorghum for forage	679	796	2/		1/	1/		1/	1/	
Durum Wheat	3,219	3,094	2,877	Ton	3,103	3,375	2,862	389,420	368,017	240,174
Other Spring Wheat	12,196	13,687	14,641	Ton	12,932	14,549	14,167	1,503,713	1,612,599	1,137,752
Winter Wheat	51,513	47,953	43,170	Ton	61,808	54,828	45,574	6,861,900	5,667,185	3,483,438
All wheat	66,928	64,734	60,688	Ton	77,843	72,753	62,603	8,755,033	7,647,801	4,861,364
Broccoli	106.5	109.5	119.1	Cwt.	10,282	10,627	11,529	237,884	239,345	239,739
Carrots	93.6	90.1	86.1	Cwt.	23,734	22,916	23,434	247,920	206,426	235,942
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	221.9	225.7	216.0	Cwt.	64,309	61,804	58,622	706,271	675,270	701,341
Dry onions	129.4	122.8	115.3	Cwt.	43,657	45,059	43,301	422,538	347,247	427,669
Potatoes	1,301.0	1,361.1	1,215.3	Cwt.	362,612	407,109	354,468	2,045,697	1,570,600	1,739,704
Grapefruit 3/	191.5	162.8	152.9	Ctn.	107,220	111,600	115,540	219,652	308,537	335,056
Lemons 3/	69.7	66.6	65.2	Ctn.	42,500	51,600	36,700	125,483	168,051	218,125
Oranges 3/	688.7	617.6	546.4	Ctn.	339,020	317,500	352,820	1,304,269	1,459,334	1,074,078
Tangerines 3/	19.9	18.1	16.4	Ctn.	10,000	6,860	7,300	38,917	49,432	48,313
Grapes	770.4	782.1	791.9	Ton	5,193.9	5,651.7	5,595.9	980,696	968,920	1,179,426

1/ Not available.
2/ Estimates discontinued.
3/ Crop season.

LIVESTOCK SUMMARY: Inventory and value, Arizona and United States, 1983-87

Specie and class	Inventory 1/					Value 2/				
	1983	1984	1985	1986	1987	1983	1984	1985	1986	1987
	1,000 Head					1,000 Dollars				
ARIZONA										
ALL CATTLE AND CALVES 3/	1,000	980	1,050	1,050	1,000	400,000	377,300	414,750	393,750	385,000
Beef cows	278	268	272	293	268					
Milk cows	82	82	83	88	87					
Beef cow replacement heifers	37	32	37	47	54					
Milk cow replacement heifers	21	15	18	21	20					
Other heifers 500 pounds and over	17	14	10	10	18					
Steers 500 pounds and over	306	305	350	306	285					
Bulls 500 pounds and over	29	24	30	31	30					
Calves under 500 pounds	230	240	250	254	238					
Cattle on feed 4/	385	407	419	344	343					
ALL HOGS 5/	170	150	170	175	155	17,425	11,700	15,640	13,913	17,360
Breeding hogs	21	18	20	20	18					
Market hogs	149	132	150	155	137					
Under 60 pounds	58	51	51	55	39					
60-119 pounds	34	30	40	45	37					
120-179 pounds	29	27	31	34	37					
180 pounds and over	28	24	28	21	24					
ALL SHEEP AND LAMBS 3/	343	306	266	278	283	22,124	21,267	16,492	18,487	19,244
Stock sheep	293	261	232	246	219					
Ewes one year or older	201	178	148	161	144					
Rams & wethers one year or older	16	12	11	14	11					
Ewe lambs	51	48	48	44	41					
Wether and ram lambs	25	23	25	27	23					
Sheep and lambs on feed	50	45	34	32	64					
ALL CHICKENS 5/	500	400	490	460	528	750	780	980	713	1,188
Hens and pullets of laying age	470	380	462	380	480					
UNITED STATES										
ALL CATTLE AND CALVES 3/	115,001	113,700	109,749	105,468	102,031	46,708,350	44,975,575	44,138,618	41,279,749	41,491,650
Beef cows	37,940	37,494	35,370	33,633	33,910					
Milk cows	11,047	11,109	10,805	11,177	10,547					
Beef cow replacement heifers	6,336	6,183	5,542	5,149	5,154					
Milk cow replacement heifers	4,545	4,532	4,760	4,761	4,335					
Other heifers 500 pounds and over	7,965	7,851	8,056	8,090	7,548					
Steers 500 pounds and over	16,214	16,371	16,369	15,967	15,249					
Bulls 500 pounds and over	2,609	2,549	2,411	2,261	2,204					
Calves under 500 pounds	28,346	27,611	26,436	24,431	23,084					
Cattle on feed 4/	12,051	11,594	12,458	11,497	10,953					
ALL HOGS 5/	54,534	56,694	54,073	52,313	50,960	4,903,494	3,330,803	4,055,724	3,640,368	4,669,498
Breeding hogs	7,475	7,391	6,933	6,783	6,612					
Market hogs	47,059	49,303	47,140	45,530	44,349					
Under 60 pounds	18,830	19,028	18,071	17,301	16,956					
60-119 pounds	11,942	12,626	12,013	11,700	11,153					
120-179 pounds	9,375	9,985	9,610	9,320	9,071					
180 pounds and over	6,912	7,664	7,446	7,210	7,168					
ALL SHEEP AND LAMBS 3/	12,140	11,487	10,443	9,983	10,328	628,599	598,904	637,873	673,048	781,800
Stock sheep	10,479	9,769	8,847	8,491	8,824					
Ewes one year or older	8,343	7,874	7,233	6,817	6,841					
Rams & wethers one year or older	374	340	314	310	320					
Ewe lambs	1,420	1,237	1,016	1,048	1,296					
Wether and ram lambs	343	318	284	318	367					
Sheep and lambs on feed	1,661	1,718	1,596	1,492	1,504					
ALL CHICKENS 5/	379,219	364,880	374,008	368,548	368,681	702,556	716,700	754,312	700,150	690,165
Hens and pullets of laying age	289,637	278,517	285,848	279,769	280,140					

1/ Numbers may not add due to rounding.
2/ Annual average value published only for the total inventory numbers.
3/ Estimates are based on January of the current year.
4/ Total cattle on feed included in other classes.
5/ Estimates are based on December 1 of the previous year.

RANKING OF STATES PRODUCING MAJOR ARIZONA COMMODITIES: Based on production 1985-86

Commodity	First		Second		Third		Fourth		Fifth		Arizona		Number of states in estimating program
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	
All cotton	TX	TX	CA	CA	MS	MS	AZ	AZ	LA	LA	4	4	17
Upland cotton	TX	TX	CA	CA	MS	MS	AZ	AZ	LA	LA	4	4	17
American-Pima cotton	AZ	AZ	TX	TX	NM	NM					1	1	3
Cottonseed	TX	TX	CA	CA	MS	MS	AZ	AZ	LA	LA	4	4	17
All hay	WI	WI	TX	MN	MN	SD	CA	CA	IA	IA	34	31	48
Alfalfa hay	WI	WI	CA	MN	MN	CA	IA	SD	MI	IA	24	25	43
All other hay	TX	TX	MO	MO	SD	SD	1/	KS		OK	45	46	48
All wheat	KS	KS	ND	ND	TX	OK	OK	MT	MN	TX	28	27	42
Durum wheat	ND	ND	CA	CA	AZ	MT	SD	AZ	MN	SD	3	4	6
Winter wheat	KS	KS	TX	OK	OK	TX	CO	WA	WA	CO	35	35	42
Barley	ND	ND	ID	MT	MN	ID	WA	MN	SD	WA	14	21	28
Corn for grain	IA	IA	IL	IL	NE	NE	IN	MN	MN	IN	39	39	41
Sorghum for grain	KS	KS	TX	TX	NE	NE	MO	MO	AR	AR	20	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	NM	NY	NY	2	2	13
Dry onions	CA	CA	OR	OR	CO	TX	TX	CO	NY	ID	11	10	14
Broccoli	CA	CA	TX	TX	OR	OR	AZ	AZ			4	4	4
Carrots	CA	CA	WA	WA	TX	TX	MI	WI	WI	MI	10	11	13
Cauliflower	CA	CA	OR	AZ	AZ	OR	NY	NY	TX	TX	3	2	6
Honeydews	CA	CA	TX	TX	AZ	AZ					3	3	3
Potatoes	ID	ID	WA	WA	ME	OR	OR	ND	WI	ME	27	26	38
All oranges	FL	FL	CA	CA	AZ	AZ	2/	TX			3	3	4
Grapefruit	FL	FL	CA	CA	AZ	AZ	2/	TX			3	3	4
Lemons	CA	CA	AZ	AZ							2	2	2
Tangerines	CA	CA	FL	FL	AZ	AZ					3	3	3
All grapes	CA	CA	NY	NY	WA	WA	MI	PA	PA	MI	6	6	12
All cattle and calves 3/	TX	TX	4/	KS		NE	OK	OK	CA	CA	35	34	50
Cattle on feed 3/	TX	TX	NE	NE	KS	KS	CO	CO	IA	IA	9	8	13
Milk production	WI	WI	CA	CA	NY	NY	MN	MN	PA	PA	24	24	50
Sheep and lambs 3/	TX	TX	CA	CA	WY	WY	CO	CO	SD	SD	12	12	41
Hogs and pigs 5/	IA	IA	IL	IL	IN	MN	MN	IN	NE	NE	27	28	50
Chickens 5/ 6/	CA	CA	IN	IN	PA	PA	GA	GA	AR	AR	45	43	50

1/ Kansas and New York.
2/ Due to the severe freeze of December 1983, no commercial supplies were harvested for the 1984-85 Texas citrus crop season.
3/ January 1 following year inventory.
4/ Kansas and Nebraska.
5/ December 1 inventory.
6/ Average number of hens and pullets of laying age, excluding commercial broilers.

FIELD CROPS

GENERAL: While Arizona is not home to the lion's share of crop acreages, it does, however, set the mark that other states strive to reach in terms of crop yield per acre. Arizona leads the nation in yield per acre for virtually every field crop that is produced in the State. For the 1986 crop year, the nation was led by Arizona in yield per acre for all cotton, including upland and pima; all wheat, including winter wheat; all hay, including alfalfa and other; barley; and corn silage. Arizona shared top honors with California in yield per acre for durum wheat. In yield per acre of sorghum silage, Arizona ranked second, and in yield of sorghum for grain, ranked third. Corn for grain yield ranked twenty-second in the nation. Following is a synopsis of field crop activities for the 1986 crop year.

COTTON: By the end of January 1986, seedbed preparation had begun in Yuma County in anticipation of the 1986 cotton crop. By mid-February, some fields in Yuma County were planted. By the first of April, planting activity had spread to southeast Arizona. Planting activity in both western and central Arizona was active by early April. Late April, however, brought fear to cotton producers in southeast Arizona in the form of nighttime temperatures that dipped into the high 20's, slowing plant emergence. Milder temperatures prevailed over the rest of the State, allowing the cotton to make good progress. Planting was virtually complete by early May, and weed and insect problems were minimal. By mid-May, some cotton was squaring in Yuma County and weed infestations remained light. Spraying was necessary in the central valley during June because of locally heavy boll weevil infestations, while cotton planting following grain harvest was reaching final stages in Pinal and Maricopa counties. By the end of June, bolls were setting in western and central Arizona. Favorable weather conditions prevailed through the summer months, and by early July, virtually all the acreage was squaring. In Yuma County, some bolls had opened by late July. Fruit load appeared heavier than normal and, by early September, cotton harvest was underway in Yuma County, with one percent of the acreage being "first picked". By late October, harvest was underway in all areas of the State. Rains hampered harvesting activities in Graham County, and hail knocked a few open bolls to the ground in Greenlee County. During November, cotton harvest proceeded at a rapid pace, and was winding down by early December. Pima cotton harvest progressed at a good pace, and was over half complete by early December. Late December marked the return of rains that delayed harvest for about two weeks. Harvest progressed as weather permitted for the remainder of December. Less than one percent of the crop remained for harvest by early January, and by the latter part of the month, fields were being shredded and plowed in preparation for the next year's crop. Problems that were encountered during the growing season were Texas black root rot that caused significant damage to a few fields in Pima County, pink bollworms, spider mites, boll weevils, weed infestation, and rust. Despite these obstacles, a new state record was set in 1986 for cotton yield.

WHEAT: Because of the uncertainty of the 1986 Farm Program, many wheat producers across the State elected to delay plantings of the 1986 wheat crop until more specific information was available. This uncertainty delayed some plantings until early January. For wheat producers who opted to plant on schedule, planting began in mid-November 1985 in the southeast portion of the State. By mid-December, very good progress was being made over most of the State, and the crop was thriving under good weather conditions. By the end of 1985, fifty-five percent of the State's acreage had been seeded. Germination was slowed in Yuma County because of seasonal cooler soil temperatures. Excellent weather conditions continued through the beginning of 1986, and a cold snap in early February did not adversely affect the condition of the crop. By mid-March, most of the State's acreage had been planted and some wheat was heading. Wheat that was seeded after the first of the year was reported to be in better condition than wheat seeded in the fall of 1985. During May, high winds caused considerable lodging in Yuma County and also caused some damage in La Paz County. At the end of the month, some producers had started to harvest, while others waited for the moisture content to reach an acceptable level. Wheat harvest was complete by early July in western and central Arizona and was completed in the southeastern portion of the State by the end of July.

SORGHUM AND CORN: Seedbed preparation for sorghum got underway during early March, with planting activities starting during early April. Planting progressed well under mild weather conditions through following months, and was 90 percent complete by early June. By the end of June, planting activity was winding down with no interruptions by inclement weather. During the last few weeks of July, harvest of sorghum for silage was underway with very good yields reported. By early August, sorghum remaining for grain was heading, and harvest got underway during early October in Cochise County. Other areas of the State reported sorghum at various stages of development. Rains and hail in Greenlee County during the latter part of the month caused limited damage. The crop continued to mature, but less rapidly because of ensuing cooler temperatures. By the end of November, however, harvest was virtually complete for the State. Corn planting was active in La Paz County during early February, while in other areas of the State, seedbed preparation was just getting underway. Corn planting was complete in all areas of the State by early April with the exception of southeast Arizona. Planting continued there until late June. By the end of July, corn harvest was underway in La Paz County. Harvest started in other parts of the State by September, and was virtually complete by the end of November. Second crop corn harvest in La Paz County began in late November, and was complete by the end of the year.

ALFALFA: Intermittent rains fell during October 1985, which occasionally ceased alfalfa planting activities. The rains proved to be very beneficial and good stands were reported. During December, there was some frost damage reported in Yuma County. The alfalfa crop was rated in fair to good condition during most of the growing season, with livestock grazing active until early April in some areas of the State. Weeds were reported more prevalent than normal in Yuma and Pima counties and some spraying occurred in La Paz County in an effort to control blue aphids. From April to September, cuttings were very active, and good yields were reported. There was good demand for high quality hay, but prices were less than ideal. Because of low prices, some producers stacked hay and waited for improved prices. In September, there were some higher prices, but supply was still great. By October, producers were preparing their fields for the next year's crop.

UPLAND COTTON: Acreage, yield, and production, Arizona, by counties, 1982-86 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				
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
COCONINO					GILA				
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
GRAHAM					GREENLEE				
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	*			
1986	8,800	8,800	1,036	19,000	1986	800	800	960	1,600
LA PAZ 2/					MARICOPA				
					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
MOHAVE					NAVAJO				
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			
PIMA					PINAL				
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
SANTA CRUZ					YAVAPAI				
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
YUMA 2/					ARIZONA				
1982	87,500	87,400	1,200	218,500	1982	471,000	470,000	1,118	1,095,000
1983	35,900	35,800	1,262	94,100	1983	291,000	284,000	1,225	725,000
1984	38,600	38,600	1,205	96,900	1984	430,000	429,000	1,227	1,097,000
1985	*				1985	360,000	359,000	1,241	928,000
1986	19,400	19,100	1,342	53,400	1986	250,000	249,000	1,301	675,000

1/ Production estimates are for 480 pound net weight bales.
2/ La Paz County created from Yuma County in 1983.
* Not published to avoid disclosing individual operations for American Pima cotton. See all cotton, page 16.

UPLAND COTTON: Acreage, yield, production, and value, Arizona, 1979-86 1/

Year	Planted	Harvested	Yield per harvested acre	Lint Production	Lint Marketing year average price 2/	Lint Value of production
	1,000 acres		Lbs.	1,000 bales	Cents/lb.	1,000 Dol.
1979	580.0	575.0	1,069	1,280.0	68.5	420,864
1980	550.0	549.0	1,184	1,354.0	75.1	488,090
1981	600.0	599.0	1,247	1,556.0	57.0	425,722
1982	471.0	470.0	1,118	1,095.0	60.6	318,514
1983	291.0	284.0	1,225	725.0	68.3	237,684
1984	430.0	429.0	1,227	1,097.0	60.1	316,463
1985	360.0	359.0	1,241	928.0	58.2	259,246
1986	250.0	249.0	1,301	675.0	57.2	185,328

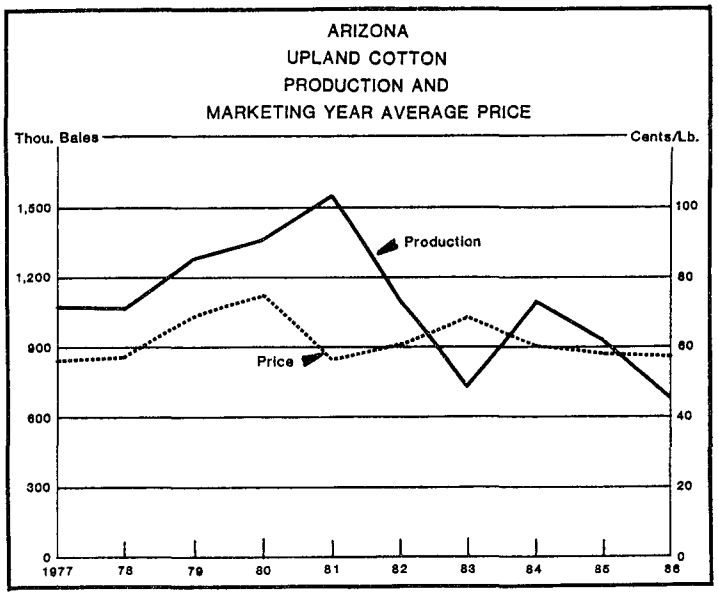
1/ Production estimates are for 480 pound net weight bales.
2/ Average price for the August through July marketing season. Prices do not include an allowance for loans outstanding and government purchases.

UPLAND COTTON: Farm marketings, Arizona, 1981/82-1985/86

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
						Percent						
1981/82	2	1	9	17	18	20	12	8	9	1	2	1
1982/83	1	4	10	20	15	15	16	4	3	2	4	6
1983/84	4	1	14	30	17	9	8	5	7	2	2	1
1984/85	0	3	19	30	20	15	5	3	2	1	1	1
1985/86	1	2	8	13	13	20	4	2	2	2	20	13

UPLAND COTTON: Monthly and marketing year average prices received by growers, Arizona, 1982/83-1986/87

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Marketing year average
							Cents per pound						
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	64.6	59.5	53.6	55.5	58.8	57.1	54.2	54.4	56.9				57.2



AMERICAN PIMA COTTON: Acreage, yield, and production, Arizona, by counties, 1982-86 1/

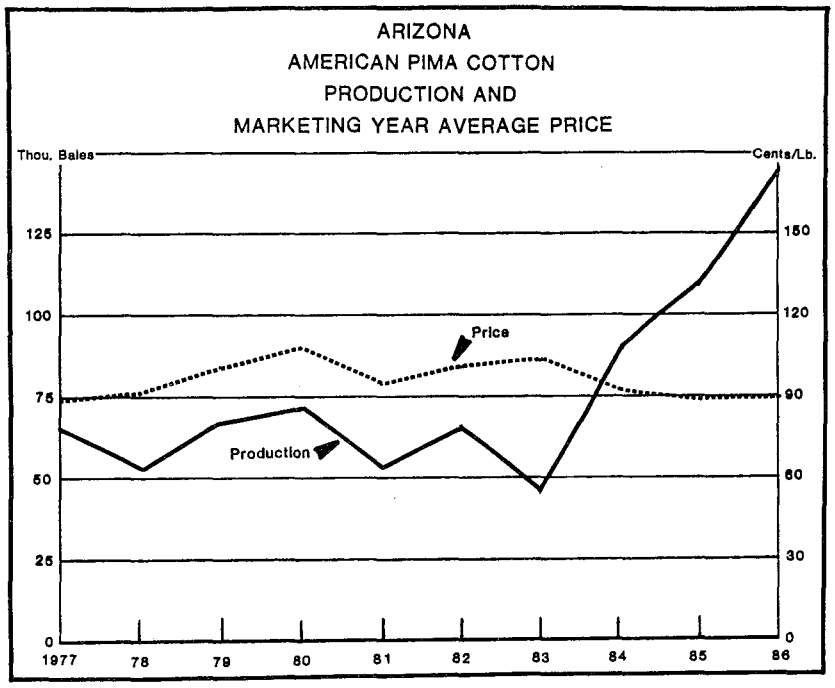
County and year	Planted	Harvested	Yield per harvested acre	Production	County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales		Acres		Lbs.	Bales
APACHE					COCHISE				
1982	0				1982	750	700	309	450
1983	0				1983	860	860	603	1,080
1984	0				1984	1,190	1,190	714	1,770
1985	0				1985	2,200	2,200	676	3,100
1986	0				1986	2,500	2,500	691	3,600
COCONINO					GILA				
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
GRAHAM					GREENLEE				
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			
LA PAZ 2/					MARICOPA				
					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
MOHAVE					NAVAJO				
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
PIMA					PINAL				
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
SANTA CRUZ					YAVAPAI				
1982	0				1982	0			
1983	0				1983	0			
1984	0				1984	0			
1985	0				1985	0			
1986	0				1986	0			
YUMA 2/					ARIZONA				
1982	7,450	7,450	767	11,900	1982	41,800	41,600	760	65,900
1983	110	110	785	180	1983	29,500	29,300	768	46,900
1984	130	130	738	200	1984	50,500	50,300	841	88,100
1985	*				1985	56,500	56,300	927	108,700
1986	2,100	2,100	823	3,600	1986	74,000	73,800	965	148,300

1/ Production estimates are for 480 pound net weight bales.
2/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

AMERICAN PIMA COTTON: Acreage, yield, production, and value, Arizona, 1979-86 1/

Year	Planted	Harvested	Yield per harvested acre	Lint Production	Lint Marketing year average price 2/	Lint Value of production
	1,000 acres		Lbs.	1,000 bales	Cents/lb.	1,000 dol.
1979	43.5	43.3	743	67.0	101.0	32,482
1980	42.3	42.1	824	72.3	108.0	37,480
1981	33.8	33.6	767	53.7	94.0	24,229
1982	41.8	41.6	760	65.9	100.0	31,632
1983	29.5	29.3	768	46.9	102.0	22,962
1984	50.5	50.3	841	88.1	92.5	39,116
1985	56.5	56.3	927	108.7	88.2	46,019
1986	74.0	73.8	965	148.3	89.2	63,496

1/ Production estimates are for 480 pound net weight bales.
2/ Average price for the August through July marketing season. Prices do not include an allowance for loans outstanding and government purchases.



ALL COTTON: Acreage, yield, and production, Arizona, by counties, 1982-86 1/

County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales
APACHE				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
COCONINO				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
GRAHAM				
1982	23,500	23,400	763	37,200
1983	16,700	15,750	719	23,600
1984	21,400	21,400	792	35,300
1985	21,740	21,740	799	36,200
1986	20,600	20,600	925	39,700
LA PAZ 2/				
1983	24,740	24,630	1,154	59,200
1984	41,950	41,950	1,056	92,300
1985	32,100	32,100	1,154	77,150
1986	20,200	20,200	1,293	54,400
MOHAVE				
1982	5,500	5,500	969	11,100
1983	3,540	3,540	968	7,140
1984	5,680	5,680	883	10,450
1985	3,600	3,600	1,000	7,500
1986	4,100	4,100	1,124	9,600
PIMA				
1982	18,500	18,400	862	33,050
1983	11,640	9,700	873	17,640
1984	16,730	16,480	1,060	36,380
1985	14,370	14,370	924	27,600
1986	11,000	10,800	1,049	23,600
SANTA CRUZ				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
YUMA 2/				
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

County and year	Planted	Harvested	Yield per harvested acre	Production
	Acres		Lbs.	Bales
COCHISE				
1982	29,350	28,800	524	31,450
1983	17,760	17,260	714	25,680
1984	17,890	17,790	674	24,970
1985	17,200	17,200	770	27,600
1986	13,600	13,500	843	23,700
GILA				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
GREENLEE				
1982	1,100	1,100	698	1,600
1983	660	660	989	1,360
1984	1,020	1,020	871	1,850
1985	840	840	857	1,500
1986	800	800	960	1,600
MARICOPA				
1982	196,300	196,050	1,200	488,600
1983	122,050	121,150	1,313	331,500
1984	199,900	199,100	1,266	525,300
1985	165,100	164,450	1,276	437,100
1986	120,400	120,100	1,274	318,700
NAVAJO				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
PINAL				
1982	143,600	143,500	1,095	327,500
1983	87,400	84,700	1,199	211,500
1984	137,200	137,150	1,265	361,450
1985	131,900	131,450	1,253	343,100
1986	111,800	111,500	1,270	295,000
YAVAPAI				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
ARIZONA				
1982	512,800	511,600	1,089	1,160,900
1983	320,500	313,300	1,183	771,900
1984	480,500	479,300	1,187	1,185,100
1985	416,500	415,300	1,198	1,036,700
1986	324,000	322,800	1,224	823,300

1/ Production estimates are for 480 pound net weight bales.
2/ La Paz County created from Yuma County in 1983.

ALL COTTON: Acreage, yield, production, and value, Arizona, 1979-86 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Value of production
	1,000 acres		Lbs.	1,000 bales	1,000 Dol.
1979	623.5	618.3	1,045	1,347.0	453,346
1980	592.3	591.1	1,158	1,426.3	525,570
1981	633.8	632.6	1,221	1,609.7	449,951
1982	512.8	511.6	1,089	1,160.9	350,146
1983	320.5	313.3	1,183	771.9	260,646
1984	480.5	479.3	1,187	1,185.1	355,579
1985	416.5	415.3	1,198	1,036.7	305,265
1986	324.0	322.8	1,224	823.3	248,824

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

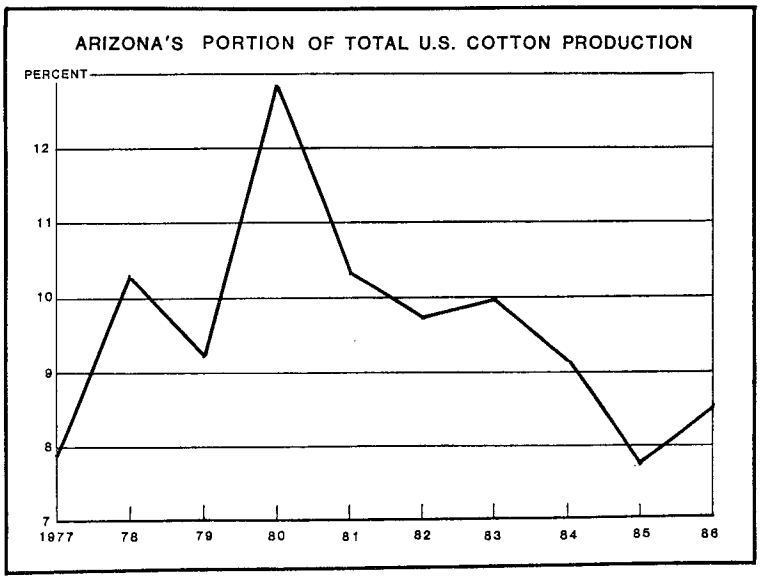
ALL COTTON: Farm marketings, Arizona, 1981/82-1985/86

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
						Percent						
1981/82	1.8	1.4	9.1	17.3	18.5	19.5	11.5	7.5	9.0	1.5	1.8	1.1
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

COTTONSEED: Production, disposition, price, and value, Arizona, 1982-86

Year	Production	Farm disposition: Sales to oil mills	Farm disposition: Other uses 1/	Used for planting 2/	Marketing year average price 3/	Value of production	Value of sales to oil mills
	1,000 tons				Dol./ton	1,000 dollars	
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	4.8	101.00	46,915	31,421
1985	389.0	268.0	121.0	4.2	79.00	30,731	21,172
1986	309.0	253.0	56.0	3.3	77.50	23,948	19,608

1/ Includes planting seed, exports, inter-farm sales, shrinkage, losses, and other uses.
2/ Included in "other" farm disposition.
3/ Average price for the August through July marketing season.



DURUM WHEAT: Acreage, yield, and production, Arizona, by counties, 1982-86

County and year	Planted for all purposes	FOR GRAIN Harvested	FOR GRAIN Yield per acre	FOR GRAIN Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1982	0			
1983	0			
1984	0			
1985	*			
1986	*			
COCONINO				
1982	0			
1983	0			
1984	0			
1985	*			
1986	*			
GRAHAM				
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
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
MOHAVE				
1982	3,500	3,500	5,180	9,070
1983	3,000	3,000	5,280	7,920
1984	*			
1985	*			
1986	0			
PIMA				
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
SANTA CRUZ				
1982	*			
1983	*			
1984	0			
1985	0			
1986	0			
YUMA 2/				
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

County and year	Planted for all purposes	FOR GRAIN Harvested	FOR GRAIN Yield per acre	FOR GRAIN Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
1982	0			
1983	0			
1984	*			
1985	*			
1986	*			
GILA				
1982	*			
1983	*			
1984	*			
1985	0			
1986	0			
GREENLEE				
1982	200	200	6,000	600
1983	200	200	6,000	600
1984	*			
1985	*			
1986	*			
MARICOPA				
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
NAVAJO				
1982	0			
1983	0			
1984	0			
1985	*			
1986	*			
PINAL				
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
YAVAPAI				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
ARIZONA				
1982	80,000	79,000	5,340	210,930
1983	65,000	55,000	5,400	148,500
1984	82,000	80,000	5,400	216,000
1985	47,000	46,000	5,040	115,920
1986	49,000	48,000	5,220	125,280

1/ Converted from 60 pound bushels and rounded.
2/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

DURUM WHEAT: Acreage, yield, production, price, and value, Arizona, 1979-86

Year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol./ton 2/	1,000 dol.
1979	75	70	4,500	157,500	128.00	20,160
1980	160	155	4,800	372,000	139.00	51,708
1981	216	215	5,100	548,250	158.70	86,989
1982	80	79	5,340	210,930	118.00	24,890
1983	65	55	5,400	148,500	135.70	20,147
1984	82	80	5,400	216,000	140.70	30,384
1985	47	46	5,040	115,920	117.00	13,563
1986	49	48	5,220	125,280	120.00	15,034

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, 1981/82-1985/86

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
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

DURUM WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
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	116.00	117.30	118.00	110.00	--	--	--	--	125.70	141.30	125.00	130.00	117.00
1986/87	120.30	121.30	122.70	--	110.00	120.00	--	--	--	120.00	--	100.00	120.00

OTHER WHEAT: Acreage, yield, and production, Arizona, by counties, 1982-86

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1982	200	200	2,130	210
1983	200	200	2,550	260
1984	*			
1985	*			
1986	*			
COCONINO				
1982	500	400	3,000	600
1983	500	400	3,900	780
1984	*			
1985	*			
1986	*			
GRAHAM				
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
LA PAZ 2/				
1983	8,500	7,900	6,090	24,060
1984	7,600	7,600	5,730	21,770
1985	7,200	7,100	5,100	18,110
1986	8,000	8,000	4,960	19,820
MOHAVE				
1982	0			
1983	0			
1984	*			
1985	*			
1986	*			
PIMA				
1982	900	800	4,190	1,670
1983	1,000	900	5,280	2,370
1984	900	900	5,160	2,320
1985	700	700	3,600	1,260
1986	500	500	3,590	900
SANTA CRUZ				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
YUMA 2/				
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

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
1982	1,500	1,500	4,650	3,490
1983	1,500	1,400	5,520	3,860
1984	*			
1985	*			
1986	*			
GILA				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
GREENLEE				
1982	700	700	4,760	1,670
1983	800	800	5,160	2,060
1984	*			
1985	*			
1986	*			
MARICOPA				
1982	19,100	18,600	5,320	49,420
1983	23,400	20,700	5,850	60,550
1984	18,900	18,500	5,220	48,290
1985	13,000	12,800	5,230	33,470
1986	12,300	12,200	6,070	37,020
NAVAJO				
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	*			
1986	*			
PINAL				
1982	4,500	4,500	4,520	10,160
1983	4,800	4,200	5,250	11,020
1984	4,300	4,100	5,250	10,770
1985	4,000	3,900	4,670	9,120
1986	2,200	2,100	4,840	5,080
YAVAPAI				
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
ARIZONA				
1982	65,000	64,000	5,040	161,280
1983	70,000	64,000	5,760	184,320
1984	63,000	62,000	5,400	167,400
1985	67,000	66,000	5,400	178,200
1986	49,000	48,000	5,640	135,360

1/ Converted from 60 pound bushels and rounded.
2/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

OTHER WHEAT: Acreage, yield, production, price, and value, Arizona, 1979-86

Year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol./ton 2/	1,000 dol.
1979	60	55	4,680	128,700	115.00	14,801
1980	65	60	4,800	144,000	126.00	18,144
1981	45	43	4,980	107,070	128.70	13,776
1982	65	64	5,040	161,280	122.70	19,784
1983	70	64	5,760	184,320	132.00	24,330
1984	63	62	5,400	167,400	130.00	21,762
1985	67	66	5,400	178,200	117.30	20,909
1986	49	48	5,640	135,360	100.00	13,536

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, 1981/82-1985/86

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
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

OTHER WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
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	--	99.00	100.00

ALL WHEAT: Acreage, yield, and production, Arizona, by counties, 1982-86

County and year	Planted for all purposes	FOR GRAIN Harvested	FOR GRAIN Yield per acre	FOR GRAIN Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1982	200	200	2,130	210
1983	200	200	2,550	260
1984	*			
1985	*			
1986	*			
COCONINO				
1982	500	400	3,000	600
1983	500	400	3,900	780
1984	*			
1985	600	400	3,680	740
1986	*			
GRAHAM				
1982	4,300	4,100	5,690	11,650
1983	5,200	4,900	5,900	14,470
1984	4,900	4,800	5,650	13,550
1985	2,500	2,400	5,790	6,950
1986	2,100	2,000	6,220	6,220
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
MOHAVE				
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	*			
PIMA				
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
SANTA CRUZ				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
YUMA 2/				
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
COCHISE				
1982	1,500	1,500	4,650	3,490
1983	1,500	1,400	5,520	3,860
1984	1,500	1,500	4,890	3,670
1985	1,100	1,100	5,000	2,750
1986	900	700	4,340	1,520
GILA				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
GREENLEE				
1982	900	900	5,040	2,270
1983	1,000	1,000	5,330	2,660
1984	1,000	1,000	5,060	2,530
1985	*			
1986	600	600	5,180	1,550
MARICOPA				
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
NAVAJO				
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
PINAL				
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
YAVAPAI				
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
ARIZONA				
1982	145,000	143,000	5,210	372,210
1983	135,000	119,000	5,590	332,820
1984	145,000	142,000	5,400	383,400
1985	114,000	112,000	5,250	294,120
1986	98,000	96,000	5,430	260,640

1/ Converted from 60 pound bushels and rounded.
2/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

ALL WHEAT: Acreage, yield, production, price, and value, Arizona, 1979-86

Year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol./ton 2/	1,000 dol.
1979	135	125	4,580	286,200	122.00	34,961
1980	225	215	4,800	516,000	135.30	69,852
1981	261	258	5,080	655,320	153.70	100,765
1982	145	143	5,210	372,210	120.00	44,674
1983	135	119	5,590	332,820	133.70	44,477
1984	145	142	5,400	383,400	136.00	52,146
1985	114	112	5,250	294,120	117.30	34,472
1986	98	96	5,430	260,640	109.70	28,570

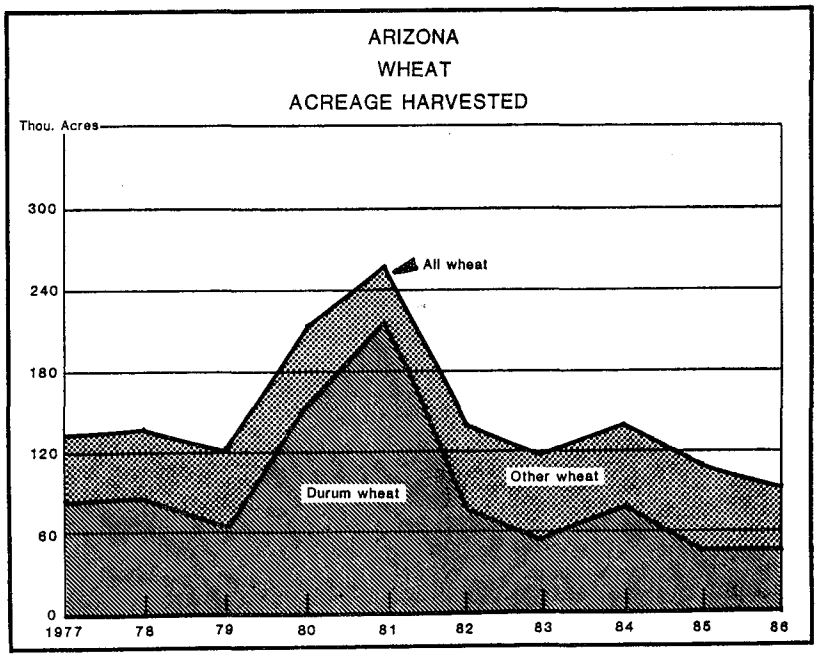
1/ Average price for the May through April marketing season. Prices do not include an allowance for loans outstanding and government purchases.
2/ Converted from 60 pound bushels and rounded.

ALL WHEAT: Farm marketings, Arizona, 1981/82-1985/86

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
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

ALL WHEAT: Monthly and marketing year average prices received by growers, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
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	--	99.30	109.70



BARLEY: Acreage, yield, and production, Arizona, by counties, 1982-86

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
COCONINO				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
GRAHAM				
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
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
MOHAVE				
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
PIMA				
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
SANTA CRUZ				
1982	*			
1983	500	300	4,160	620
1984	700	500	4,050	1,010
1985	500	300	3,650	550
1986	*			
YUMA 2/				
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

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
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
GILA				
1982	500	500	2,510	620
1983	*			
1984	*			
1985	*			
1986	*			
GREENLEE				
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
MARICOPA				
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
NAVAJO				
1982	600	300	3,120	470
1983	*			
1984	500	400	3,360	670
1985	*			
1986	*			
PINAL				
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
YAVAPAI				
1982	*			
1983	0			
1984	0			
1985	500	400	4,320	860
1986	700	400	3,460	690
ARIZONA				
1982	42,000	38,000	4,800	91,200
1983	32,000	27,000	4,990	67,390
1984	55,000	53,000	4,850	128,470
1985	67,000	62,000	4,660	144,340
1986	32,000	29,000	4,800	69,600

1/ Converted from 48 pound bushels and rounded.
2/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

BARLEY: Acreage, yield, production, price, and value, Arizona, 1979-86

Year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol./ton 2/	1,000 dol.
1979	50	43	3,600	77,400	108.80	8,417
1980	60	50	4,180	104,400	111.30	11,615
1981	40	36	4,420	79,490	142.50	13,927
1982	42	38	4,800	91,200	113.80	10,374
1983	32	27	4,990	67,390	125.80	8,480
1984	55	53	4,850	128,470	125.00	16,059
1985	67	62	4,660	144,340	117.50	16,959
1986	32	29	4,800	69,600	106.30	7,395

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, 1981/82-1985/86

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
						Percent						
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

BARLEY: Monthly and marketing year average prices received by growers, Arizona, 1982/83-1986/87

Crop year	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Marketing year average
						Dollars per ton							
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	90.00	106.30

SORGHUM: Acreage, yield, and production, Arizona, by counties, 1982-86

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1982	800	700	4,590	1,610
1983	900	700	4,760	1,670
1984	700	700	4,930	1,730
1985	800	800	4,930	1,970
1986	500	300	4,910	740
COCONINO				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
GRAHAM				
1982	2,500	2,300	5,180	5,960
1983	2,400	2,000	4,790	4,790
1984	2,400	2,200	5,710	6,280
1985	2,500	2,300	5,150	5,930
1986	1,800	1,500	5,710	4,280
LA PAZ 2/				
1983	*			
1984	*			
1985	*			
1986	1,000	1,000	4,540	2,270
MOHAVE				
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
PIMA				
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	*			
SANTA CRUZ				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
YUMA 2/				
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

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
1982	2,500	2,200	5,240	5,760
1983	2,200	1,500	5,280	3,960
1984	2,000	1,600	6,160	4,930
1985	1,500	1,000	5,940	2,970
1986	1,200	700	5,320	1,860
GILA				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
GREENLEE				
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
MARICOPA				
1982	5,000	2,700	3,850	5,200
1983	5,500	2,700	4,190	5,650
1984	5,300	4,500	4,480	10,080
1985	5,300	4,600	4,310	9,920
1986	4,500	3,400	4,670	7,940
NAVAJO				
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	*			
PINAL				
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
YAVAPAI				
1982	*			
1983	*			
1984	*			
1985	*			
1986	0			
ARIZONA				
1982	20,000	15,000	4,420	33,180
1983	20,000	13,000	4,260	27,660
1984	18,000	16,000	4,760	38,080
1985	18,000	16,000	4,540	36,290
1986	15,000	12,000	4,870	29,230

1/ Converted from 56 pound bushels and rounded.
2/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

SORGHUM: Acreage, yield, production, price, and value, Arizona, 1979-86

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol./ton 2/	1,000 dol.
1979	31	25	3,980	49,700	114.30	5,680
1980	35	26	4,480	58,240	133.60	7,779
1981	30	26	4,370	56,780	113.90	6,469
1982	20	15	4,420	33,180	104.60	3,472
1983	20	13	4,260	27,660	130.00	3,596
1984	18	16	4,760	38,080	117.10	4,461
1985	18	16	4,540	36,290	102.90	3,732
1986	15	12	4,870	29,230	82.10	2,401

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, 1982-86

Year	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres	Tons	Tons	Dol./ton	1,000 dol.
1982	4	19.5	78,000	1/	
1983	5	16.0	80,000	1/	
1984	2	20.0	40,000	1/	
1985	2	24.0	48,000	1/	
1986	3	19.0	57,000	16.00	912

1/ Not available.

CORN: Acreage, yield, and production, Arizona, by counties, 1982-86

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
APACHE				
1982	2,600	500	4,790	1,200
1983	1,200	900	4,200	1,890
1984	4,800	4,500	4,740	10,660
1985	4,600	4,400	3,920	8,620
1986	4,500	4,200	4,200	8,820
COCONINO				
1982	500	200	3,360	340
1983	500	200	3,920	390
1984	1,000	700	4,020	1,410
1985	500	400	3,920	780
1986	500	400	3,920	780
GRAHAM				
1982	4,800	4,500	8,400	18,900
1983	4,000	3,700	8,930	16,520
1984	4,700	4,500	9,780	22,000
1985	3,900	3,600	7,900	14,210
1986	5,000	4,400	8,400	18,480
LA PAZ 2/				
1983	0			
1984	*			
1985	500	500	6,720	1,680
1986	1,000	1,000	6,160	3,080
MOHAVE				
1982	0			
1983	0			
1984	0			
1985	0			
1986	0			
PIMA				
1982	*			
1983	*			
1984	*			
1985	*			
1986	1,000	0		
SANTA CRUZ				
1982	800	300	6,480	970
1983	*			
1984	*			
1985	*			
1986	*			
YUMA 2/				
1982	*			
1983	*			
1984	600	600	9,660	2,900
1985	500	500	10,580	2,650
1986	1,200	1,200	6,440	3,860

County and year	Planted for all purposes	FOR GRAIN Harvested	Yield per acre	Production
	Acres		Lbs. 1/	Tons 1/
COCHISE				
1982	7,700	7,600	8,240	31,310
1983	7,800	6,900	8,740	30,140
1984	8,500	8,000	7,980	31,920
1985	8,000	6,700	6,720	22,510
1986	10,500	7,500	6,960	26,090
GILA				
1982	*			
1983	*			
1984	*			
1985	*			
1986	*			
GREENLEE				
1982	*			
1983	*			
1984	*			
1985	*			
1986	500	300	5,990	900
MARICOPA				
1982	5,900	700	8,120	2,840
1983	5,000	1,000	7,950	3,980
1984	5,400	2,300	6,370	7,330
1985	5,300	1,200	6,160	3,700
1986	7,000	1,000	5,880	2,940
NAVAJO				
1982	4,300	3,100	4,480	6,940
1983	4,000	2,800	4,790	6,700
1984	4,100	3,000	5,010	7,520
1985	4,000	2,200	3,020	3,330
1986	4,200	2,800	3,980	5,570
PINAL				
1982	1,300	500	8,120	2,030
1983	700	400	7,840	1,570
1984	800	500	6,360	1,590
1985	*			
1986	*			
YAVAPAI				
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	5,600	2,800
ARIZONA				
1982	30,000	18,000	7,390	66,530
1983	25,000	17,000	7,620	64,740
1984	32,000	26,000	7,000	91,000
1985	29,000	21,000	5,880	61,740
1986	37,000	24,000	6,160	73,920

1/ Converted from 56 pound bushels and rounded.
2/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

CORN: Acreage, yield, production, price, and value, Arizona, 1979-86

Year	Planted for all purposes	FOR GRAIN				
		Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres		Lbs. 2/	Tons 2/	Dol./ton 2/	1,000 dol.
1979	60	45	6,440	144,900	112.50	16,301
1980	50	35	5,600	98,000	139.60	13,685
1981	45	30	7,280	109,200	111.10	12,129
1982	30	18	7,390	66,530	116.10	7,722
1983	25	17	7,620	64,740	135.70	8,786
1984	32	26	7,000	91,000	112.10	10,205
1985	29	21	5,880	61,740	101.10	6,240
1986	37	24	6,160	73,920	82.10	6,072

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, 1982-86

Year	Harvested	Yield per acre	Production	Marketing year average price 1/	Value of production
	1,000 acres	Tons	Tons	Dol./ton	1,000 dol.
1982	12	23.0	276,000	1/	
1983	8	24.0	192,000	1/	
1984	6	25.0	150,000	1/	
1985	8	23.0	184,000	1/	
1986	13	25.0	325,000	18.00	5,850

1/ Not available.

GRAIN STOCKS: By storage positions, Arizona, quarterly, storage year 1982-86, 1986/87--continued

Storage Year	On farms	Off farms 1/	Total	On farms	Off farms 1/	Total
			Tons 2/			
			Corn			
		January 1			April 1	
1982	32,760	54,210	86,970	3,280	38,000	41,270
1983	7,310	96,040	103,350	2,380	95,060	97,440
1984	2,580	46,200	48,780	1,290	23,800	25,090
1985	5,460	30,320	35,780	2,740	12,150	14,900
1986	7,420	19,800	27,220	*	10,250	*
		December 1			March 1	
1986/87	*	45,500	*	*	43,510	*
		June 1			October 1 3/	
1982	2,520	33,940	36,460	1,850	*	*
1983	1,990	75,490	77,480	340	*	*
1984	980	11,900	12,880	640	3,920	4,560
1985	1,820	6,270	8,090	450	1,150	1,600
1986	*	6,330	*			
					September 1 3/	
1986				*	1,880	*
			Sorghum			
		January 1			April 1	
1982	7,950	98,810	106,760	1,430	73,390	74,820
1983	3,980	50,120	54,100	1,480	61,320	62,800
1984	2,490	86,410	88,900	280	103,600	103,880
1985	4,960	111,520	116,480	3,810	82,940	86,740
1986	4,700	123,060	127,760	4/	4/	4/
		June 1			October 1 3/	
1982	670	36,460	37,130	340	20,970	21,310
1983	1,320	7,450	8,760	200	65,800	66,000
1984	140	79,800	79,940	140	15,400	15,540
1985	1,900	55,780	57,680	1,150	17,560	18,700
1986	*	93,720	*			
					September 1 3/	
1986				*	78,880	*

1/ Includes stocks at mills, elevators, warehouses, terminals, processors, and commercial feedlots.
2/ Converted from bushels and rounded.
3/ Includes only old crop grain.
4/ Discontinued.
* Off farm stocks not published to avoid disclosing individual operations; on farm stocks not published for Arizona beginning April 1, 1986.

GRAIN STOCKS: Off farm storage facilities, Arizona, 1983-1986

Month and year	Facilities 1/	Storage capacity
	Number	Tons
January 1983	34	706,500
January 1984	37	749,500
January 1985	37	824,000
January 1986	38	780,000
December 1986	37	782,750

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

ALFALFA HAY: Acreage, yield, and production, Arizona, by counties, 1982-86 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			
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
COCONINO				GILA			
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		
GRAHAM				GREENLEE			
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
LA PAZ 2/				MARICOPA			
				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
MOHAVE				NAVAJO			
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
PIMA				PINAL			
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
SANTA CRUZ				YAVAPAI			
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
YUMA 2/				ARIZONA			
1982	59,300	8.0	474,400	1982	160,000	7.3	1,168,000
1983	29,500	8.4	247,300	1983	145,000	7.3	1,059,000
1984	31,600	8.2	259,400	1984	140,000	7.2	1,008,000
1985	35,000	7.9	276,000	1985	145,000	7.1	1,030,000
1986	38,500	8.8	338,100	1986	155,000	7.6	1,178,000

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

OTHER HAY: Acreage, yield, and production, Arizona, by counties, 1982-86 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			
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
COCONINO				GILA			
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	*		
GRAHAM				GREENLEE			
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	*		
LA PAZ 2/				MARICOPA			
				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
MOHAVE				NAVAJO			
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	*		
PIMA				PINAL			
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
SANTA CRUZ				YAVAPAI			
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
YUMA 2/				ARIZONA			
1982	5,000	3.2	16,000	1982	25,000	2.9	73,000
1983	2,500	4.9	12,300	1983	25,000	3.9	98,000
1984	3,200	4.5	14,400	1984	25,000	4.0	100,000
1985	3,400	4.7	16,000	1985	22,000	3.6	79,000
1986	4,500	4.8	21,800	1986	22,000	3.8	84,000

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

ALL HAY: Acreage, yield, and production, Arizona, by counties, 1982-86 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			
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
COCONINO				GILA			
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	*		
GRAHAM				GREENLEE			
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	*		
LA PAZ 2/				MARICOPA			
				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
MOHAVE				NAVAJO			
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	*		
PIMA				PINAL			
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
SANTA CRUZ				YAVAPAI			
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
YUMA 2/				ARIZONA			
1982	64,300	7.6	490,400	1982	185,000	6.7	1,241,000
1983	32,000	8.1	259,600	1983	170,000	6.8	1,157,000
1984	34,800	7.9	273,800	1984	165,000	6.7	1,108,000
1985	38,400	7.6	292,000	1985	167,000	6.6	1,109,000
1986	43,000	8.4	359,900	1986	177,000	7.1	1,262,000

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

ALL HAY: Acreage, yield, production, price, and value, Arizona, 1982-86 1/

Year	Harvested	Yield per acre	Production	Marketing year average price 2/	Value of production
	1,000 acres	Tons	1,000 tons	Dol./ton	1,000 dol.
1982	185	6.7	1,241	73.50	91,214
1983	170	6.8	1,157	93.00	107,601
1984	165	6.7	1,108	84.50	93,626
1985	167	6.6	1,109	79.50	88,166
1986	177	7.1	1,262	70.50	88,971

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

ALL HAY: Farm marketings, Arizona, 1981/82-1985/86

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Percent						
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

ALL HAY: Monthly and season average prices received by growers, Arizona, 1982/83-1986/87 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Marketing year average
						Dollars per ton							
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

1/ Does not include green chop or grazed.

ALFALFA HAY: Monthly prices received by growers, Arizona, 1982/83-1986/87 1/

Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Dollars per ton						
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

1/ Does not include green chop or grazed.

OTHER HAY: Monthly prices received by growers, Arizona, 1982/83-1986/87 1/

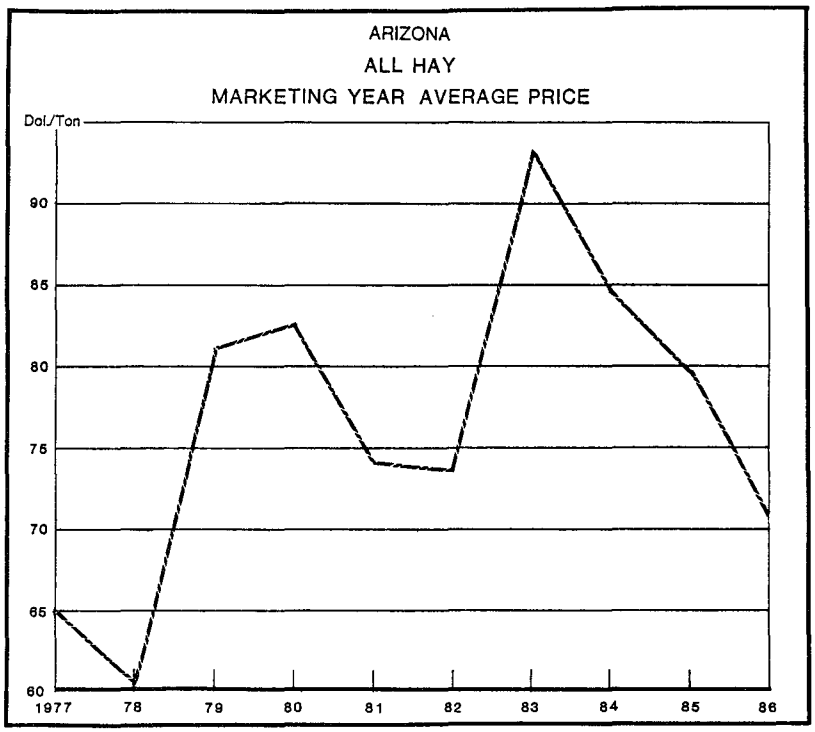
Crop year	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
						Dollars per ton						
1982/83	61.00	--	--	51.00	52.00	53.00	55.00	48.00	49.00	58.00	61.00	61.00
1983/84	63.00	65.00	55.00	57.00	58.00	65.00	66.00	63.00	71.00	70.00	65.00	61.00
1984/85	75.00	75.00	62.00	63.00	63.00	59.00	68.00	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	--

1/ Does not include green chop or grazed.

HAY STOCKS: On farms, Arizona 1982-1987

Year	Stocks on farms	
	Tons	
	January 1	May 1 1/
1982	207,000	109,000
1983	137,000	19,000
1984	116,000	12,000
1985	111,000	66,000
1986	177,000	55,000
	December 1	
1986/87	290,000	25,000

1/ Includes old crop hay only.



OTHER FIELD CROPS: Acreage, production, and value, Arizona 1982-86

Crop	Year	Harvested	Unit	Production	Value of production
		Acres		1,000	1,000 dol.
DRY BEANS	1982	8,182	Lb.	4,500	2,025
	1983	900		750	151
	1984	1,800		1,450	305
	1985	900		620	99
	1986	1/			
GUAR	1982	22,000	Lb.	31,900	6,380
	1983	0			
	1984	0			
	1985	0			
	1986	0			
JOJOBA	1982	1/	Lb.	150	375
	1983	1,000		30	425
	1984	2,250		126	675
	1985	250		11	17
	1986	8,500		1,000	1,800
OATS FOR GRAIN	1984	500	Lb.	3,000	205
	1985	425		1,900	102
	1986	650		2,600	137
PEANUTS	1982	500	Lb.	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
POPCORN	1984	1,000	Lb.	6,500	715
	1985	1,200		6,000	600
	1986	800		4,320	346
SAFFLOWER	1982	4,600	Ton	5.7	1,568
	1983	3,600		3.4	850
	1984	6,100		11.0	1,647
	1985	0			
	1986	2,500		2.5	563
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
SUGARBEETS	1982	12,800	Ton	298	10,341
	1983	0			
	1984	0			
	1985	0			
	1986	0			
MISCELLANEOUS 2/	1982	1,770		1/	
	1983	1,450		1/	
	1984	0			
	1985	0			
	1986	0			

1/ Not available.
2/ Includes millet, soybeans, and oats prior to 1984.
Source: Statistics developed with the assistance of the Arizona Cooperative Extension Service and growers and dealers. Jojoba data from Jojoba Growers Association.

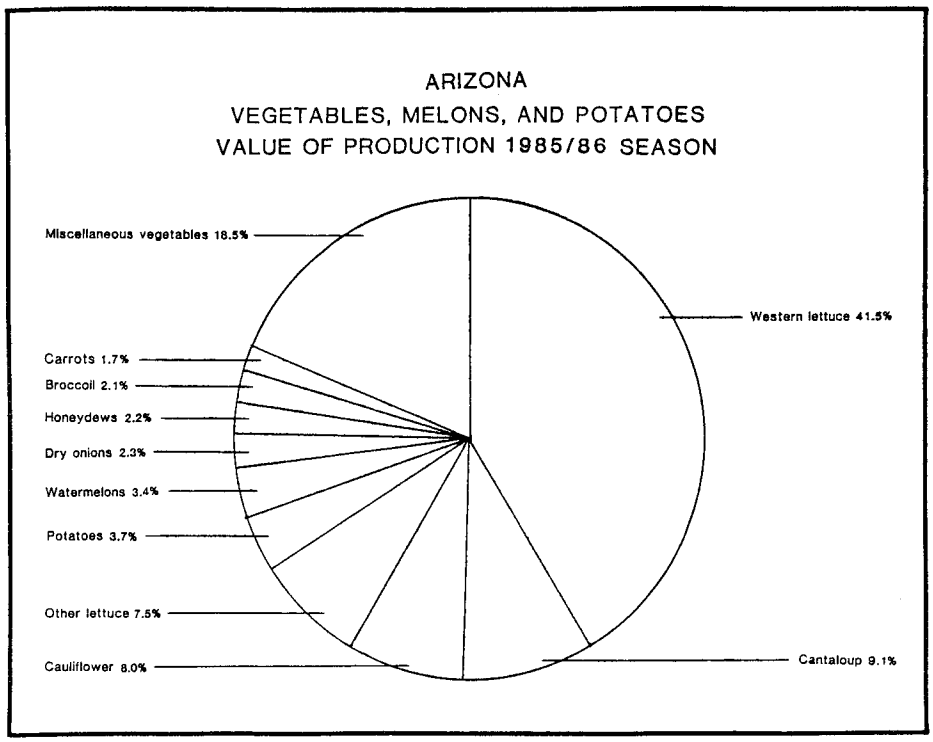
VEGETABLES, MELONS, & POTATOES

Area in production during 1986 for the eight principal vegetables and potatoes in Arizona totaled 75,900 acres, down 4 percent from 1985 but up 10 percent from 1984. This includes harvested acres in the 1985/86 season for lettuce, carrots, broccoli and cauliflower; other principal vegetables are for the calendar year. For those vegetables covered by the Agricultural Statistics Board, Arizona ranked third nationally in harvested area, total production, and total value of production.

Iceberg lettuce remained the most significant vegetable crop in the State, accounting for 49 percent of the total value of production for all vegetables. Nationally, Arizona ranked second in lettuce and cauliflower production, with honeydews ranking third and broccoli fourth.

The total value of vegetable production for Arizona showed a 17 percent increase over last year. A 44 percent increase in the season average price for cantaloups, as well as increased production for the other principal crops (except carrots and lettuce), contributed to this. Honeydews showed an increase in price and value of production but an 8 percent decrease in yield per harvested acre. Onions, broccoli and cauliflower all showed decreases in the value per unit. The drop in the cauliflower price was the greatest with a 15 percent decrease from last year and a 19 percent drop from 1984. An increase in onion yield, as well increased harvested acres for broccoli and cauliflower, contributed to the total value increase over last year for each of these crops. Watermelons showed an increase in yield, production and value over last year. Yield and production remained the same as last year for carrots but a 15 percent increase in price elevated the value of production 15 percent.

Value of miscellaneous vegetables increased over last year and made up 19 percent of the total value of vegetable production. The predominant crops were leaf and Romaine lettuce, greens, cabbage, green onions, squash, and rapini.



WESTERN LETTUCE: Acreage, yield, and production, Arizona, by counties, 1981/82-1985/86

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/			
				1981/82	22,900	297	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	290	7,500
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

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

WESTERN LETTUCE: Acreage, yield, production, price, and value, Arizona, 1981/82-1985/86

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

WESTERN LETTUCE: Monthly and season average prices received by growers, Arizona, 1981/82-1985/86

Crop year	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Season average
				Dollars per cwt.			
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

OTHER LETTUCE, SPRING: Acreage, yield, and production, Arizona, by counties, 1982-86 1/

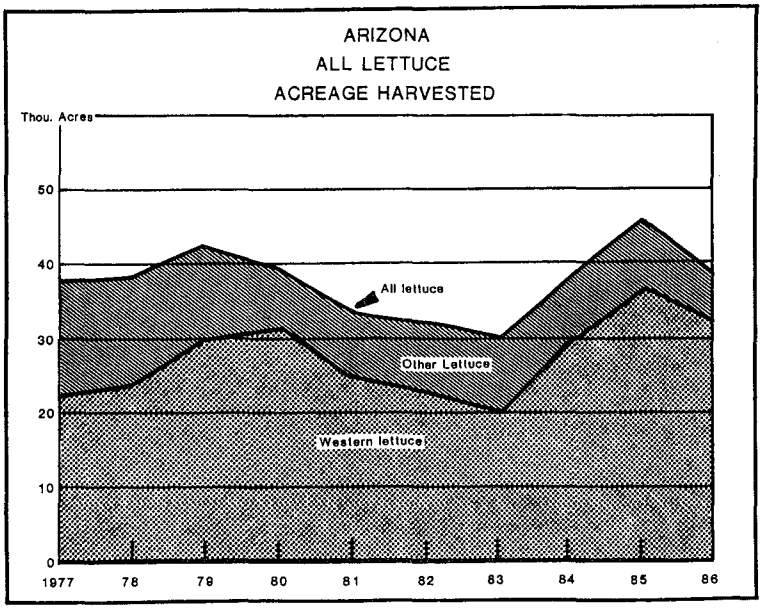
County and year	Harvested	Yield per acre	Production	County and year	Harvested	Yield per acre	Production
	Acres	Cwt.	1,000 cwt.		Acres	Cwt.	1,000 cwt.
COCHISE				MARICOPA			
1982	1,050	369	387	1982	2,800	419	1,172
1983	1,120	339	380	1983	3,280	309	1,014
1984	820	216	177	1984	1,910	406	776
1985	1,200	135	162	1985	3,310	181	598
1986	1,050	210	221	1986	1,800	299	539
PIMA				PINAL			
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	2/ 390	187	73
1986	450	220	99	1986	200	275	55

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.
* Acres harvested not published to avoid disclosing individual operations.

OTHER LETTUCE, SPRING: Acreage, yield, production, price, and value, Arizona, 1982-86 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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, 1982/83-1986/87 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			
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
PIMA				PINAL			
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

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

OTHER LETTUCE, FALL: Acreage, yield, production, price, and value, Arizona, 1982/83-1986/87 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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.

ALL OTHER LETTUCE: Acreage, yield, production, price, and value, Arizona, 1982/83-1986/87 1/

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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, 1982/83-1986/87

Crop year	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Season average
						Dollars per cwt.						
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	--	13.60
1984/85	6.57	5.96	6.36	7.45	--	--	--	22.60	7.50	8.08	8.04	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	12.90

CARROTS: Acreage, yield, and production, Arizona, by counties, 1981/82-1985/86

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			
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
PINAL				YAVAPAI			
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		
YUMA							
1981/82	*						
1982/83	*						
1983/84	0						
1984/85	0						
1985/86	0						

* Acres harvested not published to avoid disclosing individual operations.

CARROTS: Acreage, yield, production, price, and value, Arizona, 1981/82-1985/86

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

CARROTS: Monthly and season average prices received by growers, Arizona, 1981/82-1985/86

Crop year	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season average
	Dollars per cwt.								
1981/82	12.10	14.50	14.70	14.10	13.20	13.10	9.36	9.30	12.80
1982/83	9.25	15.20	14.00	10.10	8.53	8.33	8.60	--	9.88
1983/84	16.10	16.90	21.30	16.40	16.80	9.68	9.61	--	14.80
1984/85	--	13.10	14.00	9.24	9.26	8.66	8.33	--	9.45
1985/86	14.00	12.70	9.53	10.00	9.71	10.70	13.50	--	10.90

DRY ONIONS: Acreage, yield, and production, Arizona, by counties, 1982-86

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/			
1982	*			1982			
1983	200	230	46	1983	0		
1984	220	200	44	1984	280	179	50
1985	*			1985	*		
1986	2/ *			1986	0		
MARICOPA				PINAL			
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	2/ 1,200	550	660	1986	0		
YUMA 1/							
1982	200	490	98				
1983	*						
1984	*						
1985	0						
1986	0						

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

DRY ONIONS: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

DRY ONIONS: Monthly and season average prices received by growers, Arizona, 1982-86

Year	April	May	June	July	Season average
			Dollars per cwt.		
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

BROCCOLI: Acreage, yield, and production, Arizona, by counties, 1981/82-1985/86

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			
1981/82				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
PINAL				YUMA 1/			
1981/82	0			1981/82	0		
1982/83	0			1982/83	0		
1983/84	0			1983/84	*		
1984/85	0			1984/85	2/ 1,000	98	98
1985/86	300	60	18	1985/86	1,100	110	121

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

BROCCOLI: Acreage, yield, production, price, and value, Arizona, 1981/82-1985/86

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

CAULIFLOWER: Acreage, yield, and production, Arizona, by counties, 1981/82-1985/86

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				YUMA			
1981/82	400	115	46	1981/82	1,600	148	237
1982/83	600	95	57	1982/83	3,000	124	372
1983/84	500	82	41	1983/84	3,500	120	419
1984/85	550	78	43	1984/85	4,350	120	521
1985/86	700	77	54	1985/86	5,400	120	648

CAULIFLOWER: Acreage, yield, production, price, and value, Arizona, 1981/82-1985/86

Crop year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

WATERMELONS: Acreage, yield, and production, Arizona, by counties, 1982-86 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/			
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
MARICOPA				MOHAVE			
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		
PINAL				YUMA 2/			
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

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.
* Acres harvested not published to avoid disclosing individual operations.

WATERMELONS: Acreage, yield, production, price, and value, Arizona, 1982-86 1/

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 2/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
1982	5,200	5,200	249	1,297	4.00	5,188
1983	4,300	4,200	227	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

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, 1982-86

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			
				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
MOHAVE				PINAL			
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
YUMA 1/							
1982	2,000	116	231				
1983	*						
1984	*						
1985	90	200	18				
1986	130	115	15				

1/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

SPRING HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

FALL HONEYDEWS: Acreage, yield, and production, Arizona, by counties, 1982-86

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			
				1982	400	133	53
1983	160	94	15	1983	290	100	29
1984	*			1984	160	194	31
1985	120	225	27	1985	360	131	47
1986	150	173	26	1986	600	145	87
MOHAVE				PINAL			
1982	0			1982	0		
1983	250	88	22	1983	0		
1984	0			1984	*		
1985	0			1985	120	208	25
1986	0			1986	200	160	32
YUMA 1/							
1982	350	100	35				
1983	0						
1984	0						
1985	0						
1986	50	140	7				

1/ La Paz County created from Yuma County in 1983.
* Acres planted and/or harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

FALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

ALL HONEYDEWS: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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, 1982-86

Year	June	July	Aug.	Sept.	Oct.	Nov.	Season average
				Dollars per cwt.			
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

SUMMER CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1982-86

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			
				1982	3,050	156	477
1983	1,570	276	434	1983	2,750	135	371
1984	3,660	131	479	1984	2,730	165	451
1985	3,340	167	559	1985	3,600	176	623
1986	2,100	200	420	1986	2/ 4,700	180	845
MOHAVE				PINAL			
1982	0			1982	250	140	35
1983	0			1983	150	133	20
1984	*			1984	130	162	21
1985	0			1985	0		
1986	0			1986	2/ *		
YUMA 1/							
1982	2,250	197	443				
1983	880	278	245				
1984	*						
1985	110	155	17				
1986	500	190	95				

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

SUMMER CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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	186	1,360	13.50	18,334

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

FALL CANTALOUPS: Acreage, yield, and production, Arizona, by counties, 1982-86

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/			
1982	50	60	3				
1983	0			1983	180	61	11
1984	0			1984	0		
1985	0			1985	1,050	64	67
1986	*			1986	730	70	51
MARICOPA				PINAL			
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	116	312	1986	*		
YUMA 1/							
1982	150	80	12				
1983	0						
1984	0						
1985	0						
1986	0						

1/ La Paz County created from Yuma County in 1983.
* Acres harvested not published to avoid disclosing individual operations.

FALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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	3,500	3,500	105	368	13.10	4,821

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

ALL CANTALOUPS: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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	10,800	10,800	160	1,728	13.40	23,155

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

POTATOES: Acreage, yield, and production, Arizona, by counties, 1982-86

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			
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	1/ 5,420	258	1,400
1986	2/ 400	128	51	1986	5,100	236	1,202
NAVAJO				YUMA			
1982	0			1982	0		
1983	0			1983	0		
1984	*			1984	0		
1985	0			1985	1/ *		
1986	2/ *			1986	400	113	45

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

POTATOES: Acreage, yield, production, price, and value, Arizona, 1982-86

Year	Planted	Harvested	Yield per harvested acre	Production	Season average price 1/	Value of production
	Acres		Cwt.	1,000 cwt.	Dol./cwt.	1,000 dol.
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

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

POTATOES: Monthly and season average prices received by growers, Arizona, 1982-86 1/

Year	April	May	June	July	August	Season average
			Dollars/cwt.			
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

1/ Includes fresh market and processed potato prices.

OTHER VEGETABLES: Acres, production, and value, Arizona, 1982-86

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
BEETS	1982	72	35 Lb. Carton	13,959	70
	1983	90		33,307	165
	1984	72		35,756	215
	1985	72		44,535	256
	1986	66		32,205	161
BOK CHOY	1982	49	35 Lb. Carton	14,828	77
	1983	43		36,243	270
	1984	71		47,632	381
	1985	93		52,399	561
	1986	136		78,846	552
CABBAGE	1982	768	50 Lb. Carton	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
CUCUMBERS	1985	42	20 Lb. Carton	2,946	14
	1986	12		942	4
ENDIVE	1982	87	25 Lb. Carton	35,619	104
	1983	67		36,813	148
	1984	79		25,215	202
	1985	84		20,148	135
	1986	72		56,510	283
ESCAROLE	1982	48	50 Lb. Carton	6,651	20
	1983	38		5,787	24
	1984	47		3,537	28
	1985	61		2,065	14
	1986	46		36,294	182
GARLIC	1982	543	50 Lb. Sack	3,893	280
	1983	4		3/	3/
	1984	2		3/	3/
	1985	370		7,944	99
	1986	0			
GREENS	1982	1,629	25 Lb. Carton	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
KALE	1985	0	22 Lb. Carton		
	1986	152		171,608	982
LETTUCE, BOSTON	1982	91	35 Lb. Carton	13,671	52
	1983	131		4,382	20
	1984	172		19,539	117
	1985	255		2,193	10
	1986	281		57,556	383

See footnotes at end of table.

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1982-86--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
LETTUCE, LEAF	1982	550	35 Lb. Carton	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
LETTUCE, ROMAINE	1982	259	35 Lb. Carton	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
NAPA	1985	152	20 Lb. Carton	79,499	851
	1986	120		102,786	720
ONIONS, GREEN	1982	2,151	18 Lb. Carton	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
PARSLEY	1982	146	21 Lb. Carton	95,149	208
	1983	144		119,981	540
	1984	135		88,846	444
	1985	131		94,717	540
	1986	114		80,961	350
PUMPKINS	1982	342	Ton	483	36
	1983	378		359	32
	1984	211		823	165
	1985	200		1,271	102
	1986	265		400	12
RADISHES	1982	186	40 Lb. Carton	86,243	288
	1983	241		144,142	540
	1984	173		132,528	464
	1985	282		112,460	641
	1986	214		43,814	153
RAPINI	1982	525	25 Lb. Carton	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
SPINACH	1982	243	25 Lb. Carton	130,506	264
	1983	142		78,623	296
	1984	307		115,939	406
	1985	302		195,273	918
	1986	533		225,761	903
SQUASH	1982	212	24 Lb. Carton	27,285	37
	1983	176		22,415	36
	1984	94		18,591	102
	1985	133		32,201	277
	1986	450		151,950	1,368
SWEET CORN	1985	112	50 Lb. Carton	20,443	164
	1986	526		26,364	219

See footnotes at end of table

Continued--

OTHER VEGETABLES: Acres, production, and value, Arizona, 1982-86--continued

Crop	Year	Harvested acres 1/	Unit	Production 1/	Value of production 2/
		Acres			1,000 dol.
TOMATOES, FIELD	1985	140	Ton	4,650	298
	1986	144		2,880	179
TURNIPS	1982	374	25 Lb. Sack	172,729	606
	1983	274		138,984	521
	1984	309		148,086	666
	1985	268		126,002	630
	1986	244		105,531	422
MISCELLANEOUS VEGETABLES 4/	1982	956		5/	3,694
	1983	1,023		5/	3,339
	1984	1,204		5/	3,715
	1985	829		5/	4,356
	1986	918		5/	7,587

1/ Acreage and production figures from the Arizona Fruit and Vegetable Standardization Service reports.

2/ Value of production developed with the assistance of the Arizona Fruit and Vegetable Standardization Service, the Arizona Cooperative Extension Service, Market News Service, and local growers.

3/ Not available.

4/ Includes asparagus, bell peppers, celantro, celery, chili peppers, cucumbers, Maza corn, Mexican corn, miscellaneous melons, napa, okra, rutabagas, sweet corn, and tomatoes prior to 1985; anise, arrugula, artichokes, bell peppers, celentro, celery, chili peppers, green beans, Maza corn, Mexican corn, miscellaneous melons, okra and rutabagas for 1985 and 1986.

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

FRUITS & NUTS

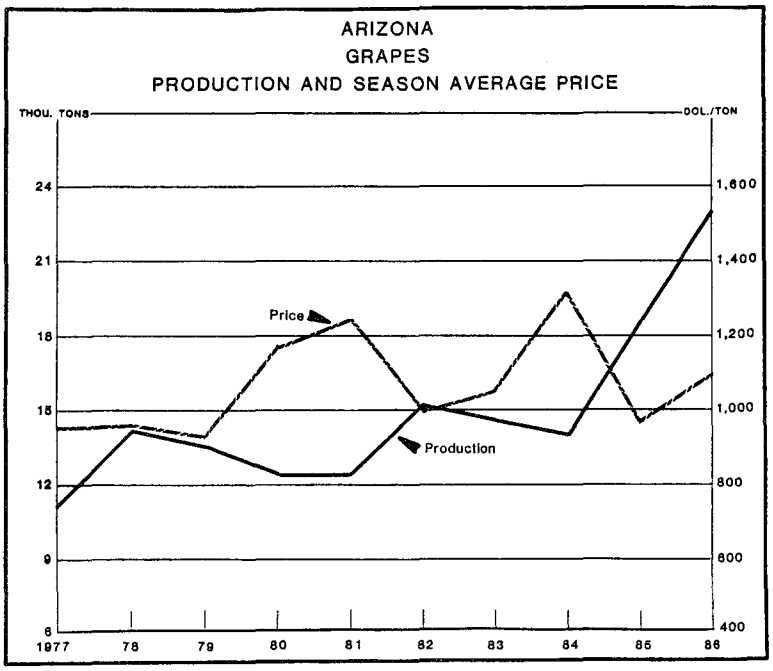
Although Arizona citrus growers produced less during the 1985-86 season than the previous season, value of sales increased 11 percent to $84.5 million. Production of all oranges decreased 6 percent to 4.6 million cartons, with value of sales decreasing 31 percent to $15.9 million. Navel, sweet, and miscellaneous orange production totaled 1.2 million cartons, valued at $5.6 million. Valencia production totaled 3.4 million cartons with a value of $10.3 million. Grapefruit production dropped 20 percent to 2.4 million boxes. The grapefruit crop was valued at $11.7 million. Although lemon production dropped significantly, last year's crop was valued at $48.5 million, up 76 percent from the previous season. Production of tangerines, estimated at 1.4 million cartons, was unchanged from the previous season and was valued at $8.3 million, down 4 percent from 1984-85.

The usual marketing season for all oranges is November 1 through June 30. Navels and sweets are harvested first, followed by Valencias in late February. Orange prices at the beginning of the marketing season were strong, but by the end of the season had dropped dramatically. The grapefruit marketing season usually extends from November to July, and prices for the 1985-86 marketing season were virtually unchanged from the previous season. Lemon prices showed a strong increase during the first months of the marketing season, and only started to decline during the last portion of the season. The usual marketing season for lemons in Arizona is mid-August through the first of March. Tangerines, usually marketed in the short time frame from November to February, showed neither a strong increase or decrease in price, and value of sales was virtually the same as the value for the previous season.

Bearing acreage of grapes in 1986 totaled 6,328 acres in Arizona. Production for 1986 totaled 23,000 tons, the highest on record in the State. Yield was estimated at 3.63 tons per acre. Most of the production in the State is for fresh use, with a very small quantity processed into wine. The usual marketing season for table grapes in Arizona is June and July.

Apples continue to be the more significant of the deciduous tree fruits grown in the State. During 1986, there were 2,969 producing acres, and production was estimated at 400,000 cartons, almost four times the 1985 production. Value of production totaled $4.4 million, nearly six times the value of the 1985 crop. Other deciduous tree fruits grown in the State include apricots, nectarines, peaches, plums, and figs. The combined producing acreage of deciduous fruits in the State totals over 4,000 acres.

Producing acreage of tree nuts in the State totals over 18,000 acres. Pecan trees continue to make up the bulk of the acreage, with over 14,000 acres in production during 1986. Other tree nuts grown in the State include pistachios, with 1,306 acres in production, and almonds, with 2,800 acres in production in 1986.



GRAPES: Acreage by area and variety, Arizona, 1982-87 1/

Area and year	Table Varieties				Wine Varieties	Total
	Flame Seedless	Perlette	Thompson Seedless	Other 2/		
	Acres					
YUMA						
1982	0	84	448	79	0	611
1983	6	84	448	79	0	617
1984	47	84	448	79	0	658
1985	172	184	548	79	0	983
1986	249	259	608	79	0	1,195
1987	503	369	765	107	0	1,744
OTHER COUNTIES 3/						
1982	138	789	1,656	295	0	2,878
1983	246	893	1,796	222	5	3,162
1984	428	1,034	2,081	170	95	3,808
1985	579	1,077	2,078	103	250	4,087
1986	1,634	1,090	2,045	74	290	5,133
1987	1,771	1,108	2,126	51	400	5,456
ARIZONA						
1982	138	873	2,104	374	0	3,489
1983	252	977	2,244	301	5	3,779
1984	475	1,118	2,529	249	95	4,466
1985	751	1,261	2,626	182	250	5,070
1986	1,883	1,349	2,653	153	290	6,328
1987	2,274	1,477	2,891	158	400	7,200

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, Cardinals, Black Beauty, and Exotic varieties.
3/ Includes Maricopa, Pinal, Cochise, and Santa Cruz counties.

GRAPES: Production, price, and value, Arizona, 1982-86

Year	Production	Season average price 1/	Value of production
	Tons	Dol./ton	1,000 dol.
1982	15,100	991.00	14,964
1983	14,600	1,050.00	15,330
1984	14,000	1,310.00	18,340
1985	18,500	968.00	17,908
1986	23,000	1,090.00	25,070

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

GRAPEFRUIT: Acreage and production, by varieties, Arizona, by counties, 1981/82-1985/86

County and crop year	Harvested 1/ White	Harvested 1/ Red Blush	Harvested 1/ All	Fresh 2/	Processed 2/
	Acres			1,000 cartons 3/	
MARICOPA 4/					
1981/82	2,690	2,750	5,440	1,580	1,930
1982/83	1,945	2,325	4,270	2,180	1,320
1983/84	2,305	2,305	4,610	1,980	1,020
1984/85	2,340	2,410	4,750	2,450	1,720
1985/86	2,340	2,410	4,750	1,340	1,310
YUMA					
1981/82	420	2,300	2,720	580	710
1982/83	310	2,220	2,530	1,060	840
1983/84	240	1,950	2,190	1,110	430
1984/85	280	2,070	2,350	1,450	380
1985/86	280	2,070	2,350	1,740	410

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, 1981/82-1985/86

Crop year	Harvested 1/	Production	Season average price 2/	Value of production
	Acres	1,000 cartons 3/	Dol./ctn.	1,000 dol.
1981/82	8,160	4,800	1.18	5,664
1982/83	6,800	5,400	1.28	6,885
1983/84	6,800	4,540	1.99	9,027
1984/85	7,100	6,000	2.83	16,940
1985/86	7,100	4,800	2.44	11,701

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, 1981/82-1985/86

Crop year	F.O.B. packed fresh	Equivalent returns: Packinghouse door All	Packinghouse door Fresh	Packinghouse door Processed	On-tree All	On-tree Fresh	On-tree Processed
	Dollars per carton 1/						
1981/82	4.62	1.18	2.51	.04	.51	1.83	-.64
1982/83	4.37	1.28	2.09	.06	.56	1.37	-.66
1983/84	5.20	1.99	2.94	-.04	1.27	2.22	-.76
1984/85	6.35	2.83	4.05	.55	2.09	3.32	-.19
1985/86	5.95	2.44	3.57	.41	1.70	2.83	-.33

1/ Net weight per carton, 32 pounds.

GRAPEFRUIT: Monthly prices and equivalent returns by utilization, Arizona, 1981/82-1985/86

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
	Dollars per carton 1/						
1981/82							
Oct.	5.05	1.87	3.23	.19	1.27	2.63	-.41
Nov.	4.32	1.86	2.50	.19	1.26	1.90	-.41
Dec.	4.41	1.28	2.59	.19	.68	1.99	-.41
Jan.	4.82	1.47	3.00	.19	.87	2.40	-.41
Feb.	4.61	1.02	2.39	-.01	.32	1.69	-.71
Mar.	4.42	1.01	2.20	-.01	.31	1.50	-.71
Apr.	4.22	.89	2.00	-.01	.19	1.30	-.71
May	4.36	.94	2.14	-.01	.24	1.44	-.71
June	4.70	1.14	2.48	-.01	.44	1.78	-.71
July	5.45	1.35	3.23	-.01	.65	2.53	-.71
1982/83							
Oct.	--	--	--	--	--	--	--
Nov.	3.97	1.46	1.69	.06	.74	.97	-.66
Dec.	3.84	1.18	1.56	.06	.46	.84	-.66
Jan.	3.73	1.18	1.45	.06	.46	.73	-.66
Feb.	3.69	1.00	1.41	.06	.28	.69	-.66
Mar.	3.90	.96	1.62	.06	.24	.90	-.66
Apr.	3.99	.97	1.71	.06	.25	.99	-.66
May	3.83	1.22	2.05	.06	.50	1.33	-.66
June	5.20	1.63	2.92	.06	.91	2.20	-.66
July	4.83	1.31	2.55	.06	.59	1.83	-.66
1983/84							
Oct.	4.60	1.89	2.37	-.04	1.17	1.65	-.76
Nov.	4.19	1.65	1.96	-.04	.93	1.24	-.76
Dec.	4.27	1.62	2.04	-.04	.90	1.32	-.76
Jan.	4.80	1.99	2.54	-.04	1.27	1.82	-.76
Feb.	4.88	1.96	2.62	-.04	1.24	1.90	-.76
Mar.	5.10	2.02	2.84	-.04	1.30	2.12	-.76
Apr.	5.40	2.08	3.14	-.04	1.36	2.42	-.76
May	5.75	2.24	3.49	-.04	1.52	2.77	-.76
June	5.50	1.65	3.24	-.04	.93	2.52	-.76
July	--	--	--	--	--	--	--
1984/85							
Oct.	5.85	3.02	3.59	.53	2.30	2.87	-.19
Nov.	5.95	3.19	3.69	.53	2.47	2.97	-.19
Dec.	6.35	3.66	4.09	.53	2.94	3.37	-.19
Jan.	6.55	3.71	4.31	.53	2.99	3.59	-.19
Feb.	7.10	3.50	4.86	.53	2.78	4.14	-.19
Mar.	6.15	2.69	3.78	.55	1.95	3.04	-.19
Apr.	5.85	1.99	3.48	.55	1.25	2.74	-.19
May	6.40	2.30	4.03	.55	1.56	3.29	-.19
June	6.45	2.18	4.08	.55	1.44	3.34	-.19
July	--	--	--	--	--	--	--
1985/86							
Sept.	6.65	3.82	4.28	.55	3.08	3.54	-.19
Oct.	6.65	3.70	4.28	.55	2.96	3.54	-.19
Nov.	6.50	3.22	4.13	.55	2.48	3.39	-.19
Dec.	6.45	3.05	4.08	.26	2.31	3.34	-.48
Jan.	6.10	2.65	3.73	.26	1.91	2.99	-.48
Feb.	5.80	2.35	3.43	.26	1.61	2.69	-.48
Mar.	5.65	1.87	2.78	.43	1.13	2.04	-.31
Apr.	5.45	1.99	3.08	.43	1.25	2.34	-.31
May	6.60	2.30	4.14	.46	1.55	3.39	-.29
June	6.65	1.55	4.19	.46	.80	3.44	-.29
July	--	--	--	--	--	--	--

1/ Net weight per carton, 32 pounds.

LEMONS: Acreage and production, Arizona, by counties, 1981/82-1985/86

County and crop year	Harvested 1/	Fresh	Processed
	Acres	1,000 cartons 2/	
MARICOPA 3/			
1981/82	2,250	670	970
1982/83	2,070	820	680
1983/84	2,110	840	640
1984/85	1,870	1,270	1,540
1985/86	2,000	650	500
YUMA			
1981/82	19,360	4,490	6,470
1982/83	17,390	3,940	4,660
1983/84	16,190	3,800	2,720
1984/85	15,130	3,510	5,680
1985/86	14,500	3,310	2,040

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service for 1981/82-1982/83; from Lemon Administrative Committee beginning with 1983/84.
2/ Net weight per carton, 38 pounds.
3/ Includes small acreage and production in Pinal County.

LEMONS: Acreage, production, price, and value, Arizona, 1981/82-1985/86

Crop year	Harvested 1/	Production	Season average price 2/	Value of production
	Acres	1,000 cartons 3/	Dol./ctn.	1,000 dol.
1981/82	21,610	12,600	1.66	20,944
1982/83	19,460	10,100	2.21	22,275
1983/84	18,300	8,000	2.42	19,320
1984/85	17,000	12,000	2.30	27,537
1985/86	16,500	6,500	7.47	48,531

1/ Acres harvested from Arizona Fruit and Vegetable Standardization Service for 1981/82-1982/83; from Lemon Administrative Committee beginning with 1983/84.
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, 1981/82-1985/86

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1981/82	7.40	1.66	4.03	.02	.20	2.57	-1.45
1982/83	8.25	2.21	4.55	.12	.63	2.97	-1.46
1983/84	8.10	2.42	4.14	.04	.82	2.54	-1.56
1984/85	8.75	2.30	4.90	.57	.77	3.37	-.96
1985/86	15.55	7.47	11.80	.71	6.10	10.43	-.66

1/ Net weight per carton, 38 pounds.

LEMONS: Monthly prices and equivalent returns by utilization, Arizona, 1981/82-1985/86

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1981/82							
Sept.	11.25	4.66	8.05	.06	3.21	6.60	-1.39
Oct.	7.25	1.86	4.05	.06	.41	2.60	-1.39
Nov.	6.70	1.33	3.25	.04	.15	1.78	-1.44
Dec.	6.95	1.48	3.50	.04	.01	2.03	-1.44
Jan.	6.55	1.20	3.10	.04	.28	1.63	-1.44
Feb.	6.20	.77	2.75	-.08	.71	1.28	-1.55
Mar.	6.55	.65	3.10	-.08	.83	1.63	-1.55
Apr.	9.45	1.68	6.00	-.08	.21	4.53	-1.55
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--
1982/83							
Sept.	11.70	4.40	8.00	.13	2.83	6.43	-1.45
Oct.	8.45	2.41	4.78	.12	.83	3.20	-1.46
Nov.	8.35	2.28	4.63	.12	.70	3.05	-1.46
Dec.	7.70	1.86	3.98	.12	.28	2.40	-1.46
Jan.	6.95	1.47	3.23	.12	.11	1.65	-1.46
Feb.	6.55	1.39	2.83	.12	.19	1.25	-1.46
Mar.	7.15	1.49	3.43	.12	.10	1.85	-1.46
Apr.	7.45	1.57	3.73	.12	.02	2.15	-1.46
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--
1983/84							
Sept.	11.25	4.56	7.29	.04	2.96	5.69	-1.56
Oct.	9.20	3.29	5.24	.04	1.69	3.64	-1.56
Nov.	7.60	2.19	3.64	.04	.59	2.04	-1.56
Dec.	7.10	1.88	3.14	.04	.28	1.54	-1.56
Jan.	6.80	1.53	2.81	.04	.07	1.21	-1.56
Feb.	7.50	1.67	3.51	.04	.07	1.91	-1.56
Mar.	7.40	1.25	3.41	.04	.36	1.81	-1.56
Apr.	5.35	.67	1.36	.04	.71	.24	-1.56
May	10.00	3.77	6.01	.04	2.17	4.41	-1.56
June	--	--	--	--	--	--	--
1984/85							
Sept.	12.20	5.26	8.21	.57	3.66	6.61	-1.03
Oct.	8.65	2.80	4.82	.56	1.28	3.30	-.96
Nov.	7.70	2.17	3.87	.56	.65	2.35	-.96
Dec.	7.95	2.40	4.12	.56	.88	2.60	-.96
Jan.	8.25	1.97	4.42	.56	.45	2.90	-.96
Feb.	8.90	1.52	5.07	.56	-.01	3.55	-.96
Mar.	8.95	.95	5.12	.56	-.58	3.60	-.96
Apr.	7.90	.99	4.07	.84	-.53	2.55	-.68
May	--	--	--	--	--	--	--
June	--	--	--	--	--	--	--
1985/86							
Sept.	24.30	15.05	20.47	.84	13.53	18.95	-.68
Oct.	25.75	16.47	22.01	.83	15.11	20.65	-.53
Nov.	13.50	6.48	9.76	.83	5.12	8.40	-.53
Dec.	11.35	4.71	7.61	.64	3.35	6.25	-.72
Jan.	10.40	3.81	6.66	.64	2.45	5.30	-.72
Feb.	8.05	2.25	4.31	.64	.89	2.95	-.72
Mar.	6.40	.97	2.66	.55	-.40	1.30	-.81
Apr.	6.40	2.53	2.66	.55	1.17	1.30	-.81
May	6.40	2.66	2.66	--	1.30	1.30	--
June	6.40	1.94	2.66	.55	.58	1.30	-.81

1/ Net weight per carton, 38 pounds.

VALENCIA ORANGES: Acreage and production, Arizona, by counties, 1981/82-1985/86

County and crop year	Harvested 1/	Fresh	Processed
	Acres	1,000 cartons 2/	
MARICOPA 3/			
1981/82	3,510	1,180	630
1982/83	2,940	1,530	910
1983/84	2,960	990	120
1984/85	2,670	1,270	690
1985/86	2,400	900	340
YUMA			
1981/82	4,440	1,620	870
1982/83	4,590	1,730	1,330
1983/84	4,540	1,070	320
1984/85	4,030	1,370	270
1985/86	4,300	1,760	400

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, 1981/82-1985/86

Crop year	Harvested 1/	Production	Season average price 2/	Value of production
	Acres	1,000 cartons 3/	Dol./ctn.	1,000 dol.
1981/82	7,950	4,300	3.02	12,968
1982/83	7,530	5,500	1.66	9,131
1983/84	7,500	2,500	3.85	9,630
1984/85	6,700	3,600	4.27	15,352
1985/86	6,700	3,400	3.05	10,345

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, 1981/82-1985/86

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1981/82	6.35	3.02	4.13	.95	2.17	3.28	.10
1982/83	4.63	1.66	2.16	.94	.74	1.24	.02
1983/84	7.05	3.85	4.47	.96	2.98	3.60	.09
1984/85	7.85	4.27	5.28	1.49	3.40	4.41	.63
1985/86	6.40	3.05	3.80	.32	2.15	2.90	-.58

1/ Net weight per carton, 37.5 pounds.

VALENCIA ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1981/82-1985/86

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1981/82							
Jan.	--	--	--	--	--	--	--
Feb.	5.85	2.78	3.63	.95	1.93	2.78	.10
Mar.	5.80	2.56	3.58	.95	1.71	2.73	.10
Apr.	6.30	2.96	4.08	.95	2.11	3.23	.10
May	7.35	3.84	5.13	.95	2.99	4.28	.10
June	7.60	4.16	5.38	.95	3.31	4.53	.10
July	7.20	3.63	4.98	.95	2.78	4.13	.10
Aug.	--	--	--	--	--	--	--
1982/83							
Jan.	3.94	1.47	1.47	--	.55	.55	--
Feb.	4.19	1.37	1.72	.94	.45	.80	.02
Mar.	4.21	1.41	1.74	.94	.49	.82	.02
Apr.	4.24	1.43	1.77	.94	.51	.85	.02
May	4.85	1.85	2.38	.94	.93	1.46	.02
June	5.40	1.98	2.93	.94	1.06	2.01	.02
July	4.93	1.77	2.46	.94	.85	1.54	.02
Aug.	5.00	1.77	2.53	.94	.85	1.61	.02
1983/84							
Jan.	6.70	4.12	4.12	--	3.25	3.25	--
Feb.	6.45	3.38	3.87	.96	2.51	3.00	.09
Mar.	6.20	3.04	3.62	.96	2.17	2.75	.09
Apr.	7.25	4.06	4.67	.96	3.19	3.80	.09
May	9.05	5.76	6.47	.96	4.89	5.60	.09
June	7.00	3.73	4.42	.96	2.86	3.55	.09
July	--	--	--	--	--	--	--
Aug.	--	--	--	--	--	--	--
1984/85							
Jan.	10.75	8.13	8.13	--	7.26	7.26	--
Feb.	9.65	5.69	7.03	1.33	4.82	6.16	.46
Mar.	7.60	4.25	4.98	1.33	3.38	4.11	.46
Apr.	7.65	4.03	5.09	1.52	3.17	4.23	.66
May	8.10	4.55	5.54	1.52	3.69	4.68	.66
June	6.70	3.02	4.12	1.52	2.16	3.26	.66
July	5.85	3.27	3.27	--	2.41	2.41	--
Aug.	--	--	--	--	--	--	--
1985/86							
Jan.	6.70	4.10	4.10	--	3.20	3.20	--
Feb.	6.70	2.84	4.10	.32	2.11	3.20	-.58
Mar.	6.85	3.47	4.25	.32	2.67	3.35	-.58
Apr.	6.55	3.14	3.95	.32	2.36	3.05	-.58
May	6.10	2.75	3.50	.32	1.97	2.60	-.58
June	5.40	2.41	2.80	.32	1.59	1.90	-.58
July	4.23	1.17	1.63	.32	.45	.73	-.58
Aug.	--	--	--	--	--	--	--

1/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Acreage and production, Arizona, by counties, 1981/82-1985/86

County and crop year	Harvested 1/	Fresh	Processed
	Acres	1,000 cartons 2/	
MARICOPA 3/			
1981/82	5,340	1,400	350
1982/83	4,900	1,780	260
1983/84	5,050	940	130
1984/85	3,990	1,190	70
1985/86	3,910	1,020	130
YUMA			
1981/82	230	40	10
1982/83	210	50	10
1983/84	50	20	10
1984/85	210	30	10
1985/86	290	40	10

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, 1981/82-1985/86

Crop year	Harvested 1/	Production	Season average price 2/	Value of production
	Acres	1,000 cartons 3/	Dol./ctn.	1,000 dol.
1981/82	5,570	1,800	2.95	5,312
1982/83	5,110	2,100	4.37	9,166
1983/84	5,100	1,100	3.92	4,309
1984/85	4,200	1,300	6.06	7,873
1985/86	4,200	1,200	4.64	5,565

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, 1981/82-1985/86

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
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	3.92	4.46	.19	3.11	3.65	-.62
1984/85	9.05	6.06	6.37	1.28	5.26	5.57	.48
1985/86	8.00	4.64	5.20	.38	3.81	4.37	-.45

1/ Net weight per carton, 37.5 pounds.

NAVEL, SWEET, AND MISCELLANEOUS ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1981/82-1985/86

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
	Dollars per carton 1/						
1981/82							
Oct.	--	--	--	--	--	--	--
Nov.	5.40	2.53	3.23	.16	1.70	2.40	-.67
Dec.	5.85	3.03	3.68	.16	2.20	2.85	-.67
Jan.	6.10	3.31	3.90	.16	2.48	3.08	-.67
Feb.	6.25	3.33	4.05	1.00	2.50	3.23	.17
Mar.	5.25	2.71	3.05	1.00	1.88	2.23	.17
1982/83							
Oct.	14.25	11.11	11.87	.60	10.28	11.04	-.23
Nov.	8.60	5.55	6.22	.60	4.72	5.39	-.23
Dec.	6.95	4.19	4.57	.60	3.36	3.74	-.23
Jan.	5.55	2.85	3.17	.60	2.02	2.34	-.23
Feb.	5.65	2.65	3.27	.60	1.82	2.44	-.23
1983/84							
Oct.	--	--	--	--	--	--	--
Nov.	7.35	4.27	4.82	.19	3.46	4.01	-.62
Dec.	6.45	3.56	3.92	.19	2.75	3.11	-.62
Jan.	7.40	3.96	4.84	.19	3.15	4.03	-.62
Feb.	6.05	3.13	3.49	.19	2.32	2.68	-.62
Mar.	5.45	2.89	2.89	--	2.08	2.08	--
1984/85							
Oct.	9.75	7.07	7.07	--	6.27	6.27	--
Nov.	9.40	6.23	6.72	1.28	5.43	5.92	.48
Dec.	9.20	6.26	6.52	1.28	5.46	5.72	.48
Jan.	8.65	5.82	5.97	1.28	5.02	5.17	.48
Feb.	8.10	5.18	5.42	1.28	4.38	4.62	.48
Mar.	5.25	2.57	2.57	--	1.77	1.77	--
1985/86							
Oct.	11.15	7.17	8.35	1.26	6.34	7.52	.43
Nov.	9.05	5.82	6.25	1.26	4.99	5.42	.43
Dec.	8.05	4.75	5.25	.14	3.92	4.42	-.69
Jan.	6.80	3.36	4.00	.14	2.53	3.17	-.69
Feb.	5.85	2.08	3.05	.14	1.25	2.22	-.69
Mar.	4.91	2.11	2.11	--	1.28	1.28	--

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Acreage and production, Arizona, by counties, 1981/82-1985/86

County and crop year	Harvested 1/	Fresh	Processed
	Acres	1,000 cartons 2/	
MARICOPA 3/			
1981/82	8,850	2,580	980
1982/83	7,840	3,310	1,170
1983/84	8,010	1,930	250
1984/85	6,660	2,460	760
1985/86	6,310	1,920	470
YUMA			
1981/82	4,670	1,660	880
1982/83	4,800	1,780	1,340
1983/84	4,590	1,090	330
1984/85	4,240	1,400	280
1985/86	4,590	1,800	410

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, 1981/82-1985/86

Crop year	Harvested 1/	Production	Season average price 2/	Value of production
	Acres	1,000 cartons 3/	Dol./ctn.	1,000 dol.
1981/82	13,520	6,100	3.00	18,280
1982/83	12,640	7,600	2.41	18,297
1983/84	12,600	3,600	3.87	13,939
1984/85	10,900	4,900	4.74	23,225
1985/86	10,900	4,600	3.46	15,910

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, 1981/82-1985/86

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1981/82	6.15	3.00	3.95	.82	2.16	3.11	-.03
1982/83	5.60	2.41	3.15	.91	1.51	2.26	-.01
1983/84	7.05	3.87	4.47	.78	3.02	3.62	-.08
1984/85	8.25	4.74	5.62	1.47	3.90	4.78	.62
1985/86	6.85	3.46	4.20	.33	2.58	3.32	-.56

1/ Net weight per carton, 37.5 pounds.

ALL ORANGES: Monthly prices and equivalent returns by utilization, Arizona, 1981/82-1985/86

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
	Dollars per carton 1/						
1981/82							
Oct.	--	--	--	--	--	--	--
Nov.	5.40	2.53	3.23	.16	1.70	2.40	-.67
Dec.	5.85	3.03	3.68	.16	2.20	2.85	-.67
Jan.	6.10	3.31	3.90	.16	2.48	3.08	-.67
Feb.	6.00	2.97	3.78	.96	2.13	2.94	.12
Mar.	5.80	2.56	3.56	.95	1.71	2.71	.10
Apr.	6.30	2.96	4.08	.95	2.11	3.23	.10
May	7.35	3.84	5.13	.95	2.99	4.28	.10
June	7.60	4.16	5.38	.95	3.31	4.53	.10
July	7.20	3.63	4.98	.95	2.78	4.13	.10
1982/83							
Oct.	14.25	11.11	11.87	.60	10.28	11.04	-.23
Nov.	8.60	5.55	6.22	.60	4.72	5.39	-.23
Dec.	6.95	4.19	4.57	.60	3.36	3.74	-.23
Jan.	5.50	2.80	3.11	.60	1.97	2.28	-.23
Feb.	5.20	2.16	2.80	.79	1.29	1.94	-.09
Mar.	4.25	1.44	1.79	.94	.53	.87	.02
Apr.	4.24	1.43	1.77	.94	.51	.85	.02
May	4.85	1.85	2.38	.94	.93	1.46	.02
June	5.40	1.98	2.93	.94	1.06	2.01	.02
July	4.93	1.77	2.46	.94	.85	1.54	.02
1983/84							
Oct.	--	--	--	--	--	--	--
Nov.	7.35	4.27	4.82	.19	3.46	4.01	-.62
Dec.	6.45	3.56	3.92	.19	2.75	3.11	-.62
Jan.	7.40	3.97	4.82	.19	3.16	4.01	-.62
Feb.	6.40	3.35	3.81	.88	2.48	2.95	.02
Mar.	6.20	3.04	3.62	.96	2.17	2.75	.09
Apr.	7.25	4.06	4.67	.96	3.19	3.80	.09
May	9.05	5.76	6.47	.96	4.89	5.60	.09
June	7.00	3.73	4.42	.96	2.86	3.55	.09
July	--	--	--	--	--	--	--
1984/85							
Oct.	9.75	7.07	7.07	--	6.27	6.27	--
Nov.	9.40	6.23	6.72	1.28	5.43	5.92	.48
Dec.	9.20	6.26	6.52	1.28	5.46	5.72	.48
Jan.	8.70	5.86	6.01	1.28	5.06	5.21	.48
Feb.	9.05	5.52	6.41	1.33	4.67	5.57	.46
Mar.	7.55	4.22	4.93	1.33	3.35	4.06	.46
Apr.	7.65	4.03	5.09	1.52	3.17	4.23	.66
May	8.10	4.55	5.54	1.52	3.69	4.68	.66
June	6.70	3.02	4.12	1.52	2.16	3.26	.66
July	5.85	3.27	3.27	--	2.41	2.41	--
1985/86							
Oct.	11.15	7.17	8.35	1.26	6.34	7.52	.43
Nov.	9.05	5.82	6.25	1.26	4.99	5.42	.43
Dec.	8.05	4.75	5.25	.14	3.92	4.42	-.69
Jan.	6.80	3.45	4.02	.14	2.61	3.18	-.69
Feb.	6.45	2.60	3.77	.26	1.84	2.89	-.28
Mar.	6.80	4.44	4.19	.32	2.63	3.29	-.08
Apr.	6.55	3.14	3.95	.32	2.36	3.05	-.08
May	6.10	2.75	3.50	.32	1.97	2.60	-.08
June	5.40	2.41	2.80	.32	1.59	1.90	-.08
July	4.25	1.17	1.63	.32	.45	.73	-.08

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Acreage and production, Arizona, by counties, 1981/82-1985/86

County and crop year	Harvested 1/	Fresh	Processed
	Acres	1,000 cartons 2/	
MARICOPA 3/			
1981/82	2,120	730	490
1982/83	2,020	963	600
1983/84	1,970	1,220	230
1984/85	2,000	930	210
1985/86	2,000	450	230
YUMA			
1981/82	1,270	170	110
1982/83	1,480	413	224
1983/84	1,530	580	270
1984/85	1,400	210	50
1985/86	1,400	610	110

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, 1981/82-1985/86

Crop year	Harvested 1/	Production	Season average price 2/	Value of production
	Acres	1,000 cartons 3/	Dol./ctn.	1,000 dol.
1981/82	3,390	1,500	3.34	5,010
1982/83	3,500	2,200	3.14	6,904
1983/84	3,500	2,300	3.53	8,108
1984/85	3,400	1,400	6.21	8,691
1985/86	3,400	1,400	5.96	8,339

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, 1981/82-1985/86

Crop year	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
		Dollars per carton 1/					
1981/82	8.65	3.34	5.20	.55	1.82	3.68	-.98
1982/83	8.00	3.14	4.36	.52	1.62	2.84	-1.01
1983/84	7.95	3.53	4.31	.70	2.00	2.79	-.83
1984/85	9.95	6.21	7.33	1.29	4.91	6.03	-.01
1985/86	10.35	5.96	7.73	.44	4.66	6.43	-.86

1/ Net weight per carton, 37.5 pounds.

TANGERINES: Monthly prices and equivalent returns by utilization, Arizona, 1981/82-1985/86

Crop year and month	F.O.B. packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Processed	All	Fresh	Processed
	Dollars per carton 1/						
1981/82							
Oct.	--	--	--	--	--	--	--
Nov.	--	--	--	--	--	--	--
Dec.	8.60	3.59	5.15	.59	2.06	3.63	-.94
Jan.	8.65	3.73	5.20	.59	2.20	3.68	-.94
Feb.	8.05	3.14	4.60	.55	1.61	3.08	-.98
Mar.	8.40	2.67	4.95	.53	1.14	3.43	-1.00
Apr.	9.70	3.73	6.25	.53	2.21	4.73	-1.00
May	7.10	2.47	3.65	.53	.95	2.13	-1.00
1982/83							
Oct.	--	--	--	--	--	--	--
Nov.	8.55	3.35	4.91	.52	1.83	3.39	-1.01
Dec.	7.75	3.07	4.11	.52	1.54	2.59	-1.01
Jan.	8.20	3.59	4.56	.52	2.07	3.04	-1.01
Feb.	7.95	2.85	4.31	.52	1.32	2.79	-1.01
Mar.	7.85	2.75	4.21	.52	1.23	2.69	-1.01
Apr.	7.65	2.73	4.01	.52	1.20	2.49	-1.01
May	--	--	--	--	--	--	--
1983/84							
Oct.	--	--	--	--	--	--	--
Nov.	--	--	--	--	--	--	--
Dec.	8.15	4.51	4.51	--	2.99	2.99	--
Jan.	8.80	4.78	5.16	.70	3.26	3.64	-.83
Feb.	8.00	3.94	4.36	.70	2.42	2.84	-.83
Mar.	8.20	3.33	4.56	.70	1.80	3.04	-.83
Apr.	8.45	3.25	4.81	.70	1.73	3.29	-.83
May	4.71	.94	1.07	.70	.00	.46	-.83
1984/85							
Oct.	18.65	16.03	16.03	--	14.73	14.73	--
Nov.	8.85	5.33	6.23	1.29	4.03	4.93	-.01
Dec.	9.50	6.38	6.88	1.29	5.08	5.58	-.01
Jan.	10.55	6.83	7.93	1.29	5.53	6.63	-.01
Feb.	10.15	5.76	7.53	1.29	4.46	6.23	-.01
Mar.	9.85	5.56	7.23	1.29	4.26	5.93	-.01
Apr.	6.50	3.88	3.88	--	2.58	2.58	--
May	--	--	--	--	--	--	--
1985/86							
Oct.	10.65	8.03	8.03	--	6.73	6.73	--
Nov.	9.65	6.09	7.03	1.29	4.79	5.73	-.01
Dec.	11.15	7.14	8.53	1.29	5.84	7.23	-.01
Jan.	10.45	6.13	7.83	.17	4.83	6.53	-1.13
Feb.	10.50	5.07	7.88	.17	3.77	6.58	-1.13
Mar.	9.80	5.33	7.18	.17	4.03	5.88	-1.13
Apr.	7.80	4.55	5.18	.17	3.25	3.88	-1.13
May	3.51	.89	.89	--	-.42	-.42	--

1/ Net weight per carton, 37.5 pounds.

DECIDUOUS FRUITS AND NUTS: Acreage in production, Arizona, by area, 1982-1987

Crop and area	1982	1983	1984	1985	1986	1987
			Acres			
FRUIT						
APPLES						
Central	99	18	18	18	18	18
Eastern	459	873	951	1,832	2,951	3,701
Total	558	891	969	1,850	2,969	3,719
APRICOTS						
Central	39	52	93	98	166	173
Eastern	58	--	--	--	--	--
Western	--	--	--	3	27	27
Total	97	52	93	101	193	200
FIGS						
Central	--	--	50	50	90	90
Total	--	--	50	50	90	90
NECTARINES						
Central	91	62	56	46	26	46
Total	91	62	56	46	26	46
PEACHES						
Central	224	167	179	130	90	123
Eastern	405	334	309	422	447	448
Western	--	--	--	9	56	57
Total	629	501	488	561	593	628
PLUMS						
Central	403	390	400	338	162	92
Eastern	20	--	--	--	--	--
Total	423	390	400	338	162	92
NUTS						
PECANS						
Central	9,927	10,665	10,392	10,392	9,345	9,317
Eastern	630	670	2,756	2,823	3,344	3,359
Western	1,058	1,253	1,123	1,261	1,419	1,442
Total	11,615	12,588	14,271	14,476	14,108	14,118
PISTACHIOS						
Central	219	411	457	541	521	484
Eastern	110	837	186	270	590	670
Western	--	10	150	250	152	152
Total	329	1,258	793	1,061	1,263	1,306
ALMONDS						
Central	--	--	--	2,800	2,800	2,800
Total	--	--	--	2,800	2,800	2,800

Source: Arizona Fruit and Vegetable Standardization Service.

DECIDUOUS FRUITS: Acres, production, and value, Arizona, 1982-86 1/

Crop	Year	Acres in production	Unit	Production	Value of production
		Acres		1,000 units	1,000 dollars
APPLES	1982	558	40 lb. carton	57	540
	1983	891		7	42
	1984	969		78	585
	1985	1,850		110	770
	1986	2,969		400	4,400
APRICOTS	1982	97	22 lb. lug	2	18
	1983	52		10	70
	1984	93		2	20
	1985	101		6	57
	1986	193		13	167
NECTARINES	1982	91	22 lb. lug	21	318
	1983	62		13	139
	1984	56		10	98
	1985	46		13	127
	1986	26		7	79
PEACHES	1982	629	22 lb. lug	93	1,109
	1983	501		68	543
	1984	488		73	654
	1985	561		31	250
	1986	593		33	198
PLUMS	1982	423	22 lb. lug	91	819
	1983	390		81	678
	1984	400		16	95
	1985	338		34	206
	1986	162		16	165

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

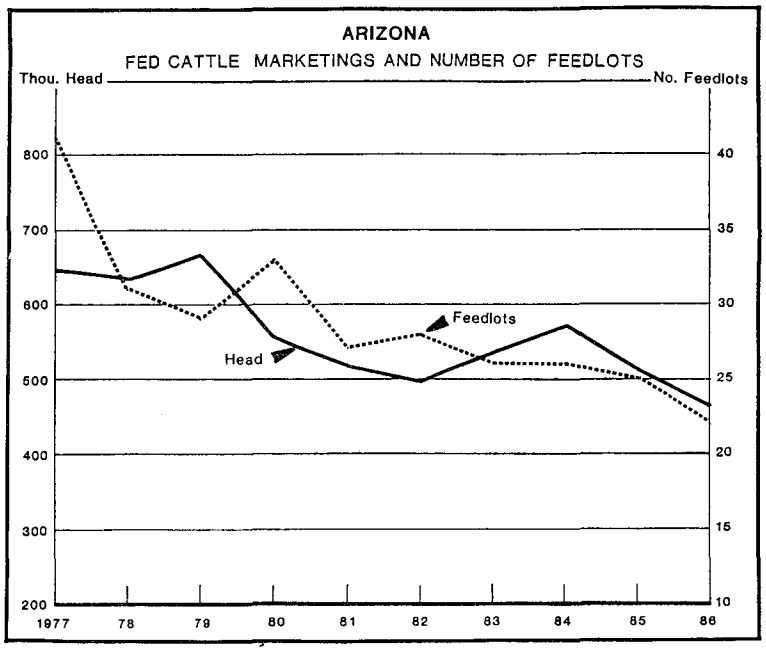
CATTLE AND CALVES

Arizona's cattle and calf inventory totaled 1.0 million head as of January 1, 1987, 5 percent below levels reached during 1985 and 1986. Cattle and calves in Arizona numbered 200,000 head when statistics were first kept in 1867, and did not exceed 1.0 million head until 1907, when cattle inventories reached 1.05 million. The year Arizona gained statehood (1912), cattle numbers totaled 915,000 head, and with the end of Word War I (1918), the cattle industry had peaked at 1.75 million, the largest inventory since records were kept. Inventories exceeded 1.0 million head for the next 8 years; however, they did not reach 1.0 million head again until 1956 (30 years later). In recent times a peak occurred in 1973 with cattle and calves at 1.4 million.

The cattle industry generated gross income of $425.9 million during 1986, down 3 percent from 1985's gross receipts of $437.3 million. This drop in gross income is partially attributed to a softening in prices received for cattle, down $2.80 to $51.90 per hundredweight during 1986. Prices received for calves dropped $4.60 to $58.60 during 1986. A breakdown by class reveals the following year to year comparisons: Cattle on feed as of January 1, 1987 totaled 343,000, down 1,000 head from 1986. Of these, steers (500+ lbs.) totaled 252,000, down 29,000; heifers (500+ lbs.) numbered 5,000, down 1,000; with the balance being 86,000 steer and heifer calves (under 500 lbs.), up 29,000 head. The cattle feeding industry started 1986 with 25 commercial feedlots, and currently 17 feedlots remain, operating at 69 percent of capacity, up 17 percentage points from a year earlier. One hundred two feedlots were in operation in 1965, representing a cattle on feed inventory of 348,000 head. Statistics were first kept for cattle on feed in 1930, when 23,000 head were in Arizona feedlots (the lowest level on record). It was not until 1953 that inventories exceeded 100,000 head. Cattle on feed inventories peaked during 1973 at 658,000 head. Although fed cattle numbers were slightly below 1986, and 18 percent below 1985, the cattle feeding industry still ranks among Arizona's largest ag-related industries, in terms of gross sales in the State. According to SUCCESSFUL FARMING magazine January 1987, 4 of the largest farms in the State are feedlots, with 10 feedlots listed in the top 20.

Inshipments numbered 530,000 during 1986, down 3 percent from 1985. This drop is primarily attributed to a 4-5 percent smaller available supply of feeders and calves. Cattle inshipments into Arizona are primarily for feedlot placement, with 97 percent being steers. These cattle are shipped from such places as Texas, Mexico, Utah, New Mexico, Mississippi and Oregon. Forty-five percent are from Texas, whereas 31 percent came from south of the border.

The largest component of Arizona's cattle industry is range and other cattle and calves, which numbered 550,000 head (down 47,000), as of January 1, 1987. Range cattle and calves include beef cows of 268,000 (down 25,000); bulls, 30,000 (down 1,000); beef replacement heifers, 54,000 (up 7,000); range steers, 33,000 (up 8,000); calves (excluding feedlot), 152,000 (down 45,000); and other heifers (excluding feedlot), 13,000 (up 9,000).



ALL CATTLE AND MILK COWS: Number of operations and inventory, Arizona and United States, January 1, 1983-87 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	1,000	Number	1,000	Number	1,000	Number	1,000
1983	5,000	1,000	800	82	1,584,500	115,001	299,140	11,047
1984	5,200	980	850	82	1,543,490	113,700	284,740	11,109
1985	5,500	1,050	900	83	1,493,880	109,749	271,920	10,805
1986	5,200	1,050	800	88	1,449,730	105,468	254,760	11,177
1987	2/	1,000	2/	87	2/	102,031	2/	10,547

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, 1988.

CATTLE AND CALVES: Number on farms and value, Arizona, January 1, 1983-87

Year	All cattle and calves	Cows		Heifers 500 lbs. & over			Steers 500 lbs. and over	Bulls 500 lbs. and over	Heifers, steers & 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									Dol.	1,000 Dol.
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

CATTLE AND CALVES: Inventory, supply, and disposition, Arizona, 1982-87

Year	Inventory January 1	Calf crop	Inshipments	Marketings 1/		Farm slaughter2/	Deaths	
				Cattle	Calves		Cattle	Calves
	1,000 head							
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							

1/ Includes animals for slaughter market, as well as younger animals shipped to other States for feeding or breeding purposes. Excludes interfarm sales with the State and farm slaughter.
2/ Excludes custom slaughter for farmers at commercial establishments.

CATTLE AND CALVES: Production and income, Arizona, 1982-86

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.			
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

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

CATTLE AND CALVES: Number on farms, Arizona, by counties, January 1, 1983-87

County and year	All cattle and calves	County and year	All cattle and calves	County and year	All cattle and calves
	1,000 head		1,000 head		1,000 head
APACHE		COCHISE		COCONINO	
1983	55	1983	64	1983	50
1984	56	1984	62	1984	43
1985	65	1985	59	1985	46
1986	73	1986	58	1986	52
1987	57	1987	60	1987	48
GILA		GRAHAM		GREENLEE	
1983	25	1983	34	1983	18
1984	24	1984	30	1984	18
1985	26	1985	41	1985	19
1986	30	1986	44	1986	18
1987	40	1987	44	1987	10
LA PAZ 1/		MARICOPA		MOHAVE	
		1983	247	1983	41
1984	3	1984	246	1984	40
1985	3	1985	262	1985	38
1986	2	1986	267	1986	35
1987	5	1987	250	1987	25
NAVAJO		PIMA		PINAL	
1983	47	1983	51	1983	166
1984	45	1984	45	1984	164
1985	47	1985	43	1985	168
1986	53	1986	49	1986	175
1987	60	1987	50	1987	155
SANTA CRUZ		YAVAPAI		YUMA 1/	
1983	15	1983	64	1983	123
1984	13	1984	65	1984	126
1985	22	1985	73	1985	138
1986	20	1986	72	1986	102
1987	22	1987	65	1987	109
ARIZONA					
1983	1,000				
1984	980				
1985	1,050				
1986	1,050				
1987	1,000				

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

MILK COWS: Number on farms, Arizona, by counties, January 1, 1983-87

County and year	Milk cows	County and year	Milk cows	County and year	Milk cows
	1,000 head		1,000 head		1,000 head
MARICOPA		PIMA		PINAL	
1983	69	1983	6	1983	2
1984	70	1984	6	1984	2
1985	71	1985	4	1985	2
1986	79	1986	4	1986	2
1987	78	1987	4	1987	3
OTHER COUNTIES		ARIZONA			
1983	5	1983	82		
1984	4	1984	82		
1985	6	1985	83		
1986	3	1986	88		
1987	2	1987	87		

CATTLE AND CALVES: Number on feed, placements, marketings, and other disappearance, Arizona, 1982-86

MONTH	1982	1983	1984	1985	1986
			1,000 Head		
JANUARY					
Number on feed January 1	330	385	407	419	344
Placed on feed during January	33	45	54	33	23
Marketed during January	31	36	46	44	28
Other disappearance during January	7	15	8	18	5
FEBRUARY					
Number on feed February 1	325	379	407	390	334
Placed on feed during February	38	32	52	30	14
Marketed during February	33	38	51	35	32
Other disappearance during February	8	13	4	9	4
MARCH					
Number on feed March 1	322	360	404	376	312
Placed on feed during March	35	31	48	26	20
Marketed during March	37	41	49	45	40
Other disappearance during March	12	2	13	14	1
APRIL					
Number on feed April 1	308	348	390	343	291
Placed on feed during April	40	38	64	27	31
Marketed during April	50	47	53	52	36
Other disappearance during April	9	2	25	3	1
MAY					
Number on feed May 1	289	337	376	315	285
Placed on feed during May	72	79	53	39	46
Marketed during May	61	57	52	52	45
Other disappearance during May	15	2	17	14	10
JUNE					
Number on Feed June 1	285	357	360	288	276
Placed on feed during June	64	57	56	39	21
Marketed during June	64	54	64	68	58
Other disappearance during June	5	4	11	6	1
JULY					
Number on feed July 1	280	356	341	253	238
Placed on feed during July	38	48	61	31	34
Marketed during July	42	47	46	55	50
Other disappearance during July	2	8	2	2	1
AUGUST					
Number on feed August 1	274	349	354	227	221
Placed on feed during August	55	66	67	56	74
Marketed during August	40	45	46	42	39
Other disappearance during August	2	4	6	2	2
SEPTEMBER					
Number on feed September 1	287	366	369	239	254
Placed on feed during September	64	48	68	50	52
Marketed during September	37	44	46	33	34
Other disappearance during September	3	7	6	8	1
OCTOBER					
Number on feed October 1	311	363	385	248	271
Placed on feed during October	80	77	69	95	74
Marketed during October	37	39	46	27	41
Other disappearance during October	3	7	10	6	1
NOVEMBER					
Number on feed November 1	351	394	398	310	303
Placed on feed during November	69	59	60	69	59
Marketed during November	37	39	35	31	32
Other disappearance during November	8	7	3	6	2
DECEMBER					
Number on feed December 1	375	407	420	342	328
Placed on feed during December	46	65	45	37	49
Marketed during December	27	46	36	26	27
Other disappearance during December	9	19	10	9	7

CATTLE ON FEED: Inventory by class and weight group, Arizona, quarterly, Jan. 1, 1982-Jan. 1, 1987

Date	Total	Steers & steer calves	Heifers & heifer calves	Cows and other	Weight group: Under 500 lbs.	500-699 lbs.	700-899 lbs.	900-1099 lbs.	1100 lbs. & over
	1,000 head								
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
1987									
Jan. 1	343	334	9	0	86	124	92	38	3

CATTLE ON FEED: Number of feedlots and marketings by capacity, Arizona, 1982-86

Year	Feedlot capacity in number of head: Under 1,000 - 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
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

CATTLE ON FEED: Arizona, by counties, monthly, 1982-86

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						
						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	128	125	122	120	117	111	113	111	112	122	140
Pinal	187	145	147	136	125	112	104	113	130	140	142	147
Yuma	122	130	129	129	128	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	140	132	127	112	105	93	81	74	74	78	99	108
Pinal	142	129	121	108	100	92	79	70	84	90	120	139
Yuma	133	126	125	119	107	99	91	82	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	105	102	92	89	95	92	83	79	87	87	100	112
Pinal	140	133	124	113	103	94	75	66	87	96	114	120
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
						1987						
Maricopa	116											
Pinal	122											
Yuma	105											
Other	0											
ARIZONA	343											

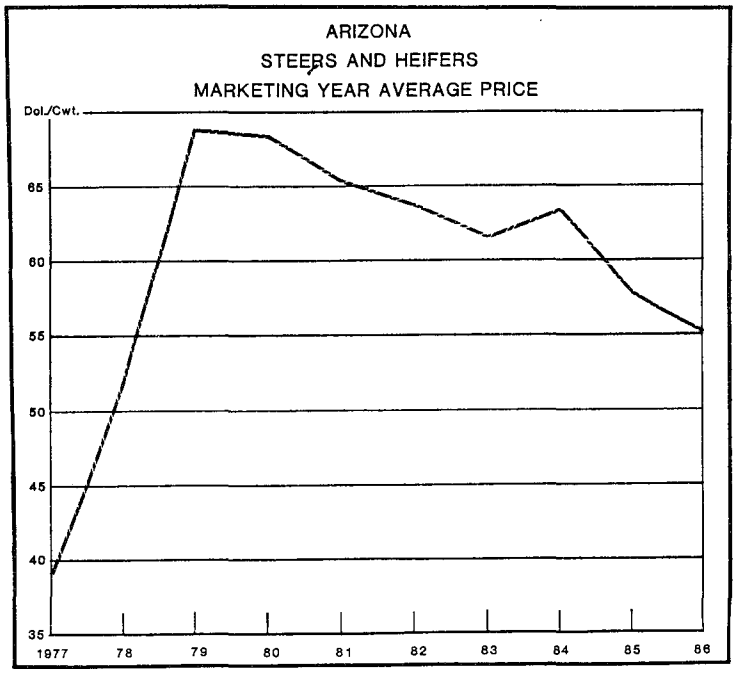
FED CATTLE MARKETED FOR SLAUGHTER: Arizona, by counties, 1982-86

Year	Maricopa	Pinal	Yuma	Other	Total
			1,000 head		
1982	193	174	122	7	496
1983	216	160	149	8	533
1984	209	197	155	9	570
1985	187	166	153	4	510
1986	173	174	115	0	462

ALL CATTLE: Monthly and marketing year average prices received by producers, Arizona, 1982-86

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
						Dollars per cwt.							
						ALL BEEF CATTLE 1/							
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
						STEERS AND HEIFERS							
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
						CALVES							
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
						COWS							
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

1/ Includes steers and heifers, and cows.

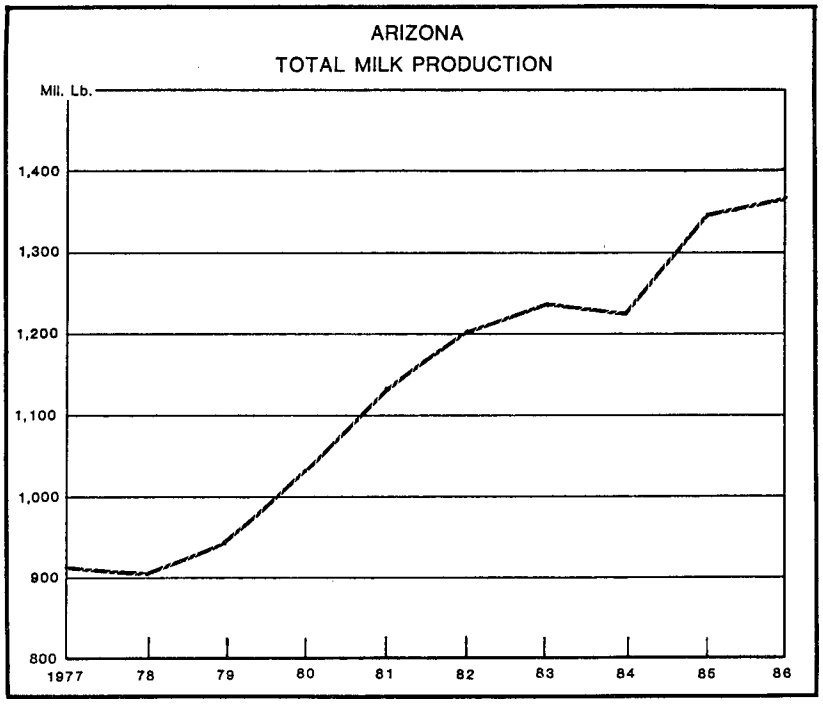


DAIRY

A Dairy Buyout Program was implemented by the Federal Government in 1986 to reduce dairy resources. Under this program, dairy farmers across the nation would be paid by the Federal Government to slaughter their herds and then remain out of milk production for the following five years. Remaining dairy farmers could potentially increase production to be used in additional production of fluid and manufactured dairy products. Some effects of the Dairy Buyout Program are: fewer but larger herds, reduced production capacity, and less incentive to the farmer to produce milk because of lower prices. The target of the program was to reduce national productive capacity by twelve billion pounds. After the program was announced, bids from fifteen of the dairies in the State were accepted, slating approximately ten thousand cows, heifers, and calves for slaughter or export during the period April 1986-August 1987.

During 1986, several television and radio commercials promoting milk and milk products were seen and heard by numerous consumers. There were and still are commercials being shown which encourage consumers to eat their cereal with milk, eat cheese, and one commercial proclaims milk as "America's favorite health kick." Several commercials are sponsored by United Dairymen in an effort to increase public awareness about milk.

The average number of milk cows in the State of Arizona averaged 86,000 head, unchanged from the 1985 average. For the last two years, the number of milk cows has been a record for the State. Milk per cow is estimated at 15,907 pounds, compared with 15,674 pounds last year. The 1986 estimate of milk per cow is also a state record and ranks fourth nationally. Total milk production totaled 1.368 billion pounds, also a state record.



DAIRY: Milk cows and milk production, Arizona, quarterly, 1982-86

Year	Milk Cows					Milk Production				
	January-March	April-June	July-Sept.	October-December	Average number during year	January-March	April-June	July-Sept.	October-December	Annual Total
	1,000 head					Million lbs.				
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

DAIRY: Milk cows, production of milk and milkfat, and value, Arizona, 1982-86

Year	Milk cows 1/	Production per milk cow		Milkfat percent	Total production		Value	
		Milk	Milkfat		Milk	Milkfat	Fluid milk per 100 lbs.	Total milk produced 2/
	1,000 head	Lbs.			Million lbs.		Dollars	1,000 dol.
1982	81	14,840	542	3.65	1,202	43.9	13.90	167,361
1983	83	14,904	540	3.62	1,237	44.8	13.90	172,226
1984	83	14,723	532	3.61	1,222	44.1	13.80	169,135
1985	86	15,674	580	3.70	1,348	49.9	13.10	176,671
1986	86	15,907	587	3.69	1,368	50.5	12.70	173,736

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, 1982-86

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.					
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

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

MILK PRODUCTION: Marketings and income, Arizona, 1982-86

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.	
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	13.11	3.54	175,754	1	131	175,885
1986	1,361	12.70	3.44	172,847	1	127	172,974

GRAIN AND OTHER CONCENTRATES: Quantity fed to milk cows and value, Arizona, 1982-86 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
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	3.18

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

ICE CREAM: Production, Arizona, monthly and annual, 1982-86

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						1,000 gallons							
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

1/ Estimates issued quarterly the last 9 months of 1982. Monthly reports resumed in 1983.

ICE MILK: Production, Arizona, monthly and annual, 1982-86

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						1,000 gallons							
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

1/ Production not published prior to 1984 to avoid disclosure of individual operations.

MILK SHERBET: Production, Arizona, monthly and annual, 1982-86

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						1,000 gallons							
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

1/ Estimates issued quarterly the last 9 months of 1982. Monthly reports resumed in 1983.

DAIRY PLANTS: Arizona, 1982-86 1/

1982	1983	1984	1985	1986
		Number		
12	10	8	8	7

1/ Plants manufacturing one or more dairy products.

SHEEP AND LAMBS

Total inventory numbers for Arizona sheep and lambs increased 2 percent during 1986 to 283,000 head on hand January 1, 1987. The 1986 lamb crop of 112,000 was the same as 1985. This was the second consecutive year of increase in the sheep inventory. This increase can mostly be attributed to the increase in sheep on feed January 1, to double the previous year. Stock sheep accounted for 77 percent of the State's inventory; the remainder were fed sheep and lambs.

The sheep industry was concerned with predators and the possible release of the Gray Wolf in western states. Prices, imports and fluctuating demand for American grown wool were also major concerns. Producers were finding grazing pastures and alfalfa fields mostly in Yuma County where sheep and lambs on feed doubled the year-earlier level.

Total sheep and lamb marketings during 1986 totaled 209,000 head, an increase of 8 percent from 1985. There were 21.2 million pounds marketed, up 13 percent from a year earlier. This calculates to an average liveweight of 101 pounds compared with 97 pounds in 1985. Cash receipts decreased for the second consecutive year, down 19 percent to $5.6 million in 1986. Prices were lower in 1986; sheep fell from $19.70 in 1985 to $15.30 in 1986 while lamb prices dropped from $69.50 to $64.60 per hundredweight.

Wool production for 1986 increased 3 percent to 2.0 million pounds. This increase is due to the higher number of head shorn, up 2 percent to 281,000 head in 1986. The average fleece weight remained the same as the previous year at 7.0 pounds. The total value of wool produced totaled $1.0 million in 1986, up 7 percent from 1985. The price per pound increased 2 cents to 53 cents per pound.

SHEEP: Number of operations and inventory January 1, Arizona and United States, 1983-87 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	1,000	Number	1,000
1983	450	343	126,390	12,139.7
1984	500	306	123,500	11,486.5
1985	550	266	117,370	10,442.7
1986	600	278	114,800	9,983.1
1987	2/	283	2/	10,327.5

1/ An operation is any place having one or more sheep on hand during the year.
2/ Not available until January, 1988.

SHEEP AND LAMBS: Inventory, supply, and disposition, Arizona, 1982-January 1, 1987

Year	Inventory January 1	Lamb crop	Inship-ments	Marketings 1/		Farm slaughter2/	Deaths	
				Sheep	Lambs		Sheep	Lambs
	1,000 head							
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							

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, 1982-86

Year	Production 1/	Marketings 2/	Average price per 100 pounds		Value of production	Cash receipts 3/	Value of home con-sumption	Gross income
			Sheep	Lambs				
	1,000 lbs.		Dollars		1,000 dol.			
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

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, 1983-87

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				
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
MARICOPA					NAVAJO				
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
PINAL					YUMA				
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
OTHER COUNTIES					ARIZONA				
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

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.

SHEEP: By class, farm value and lamb crop, Arizona, January 1, 1983-87

Year	Stock sheep & 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	
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	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, 1988.

WOOL PRODUCTION AND VALUE: Arizona, 1982-86

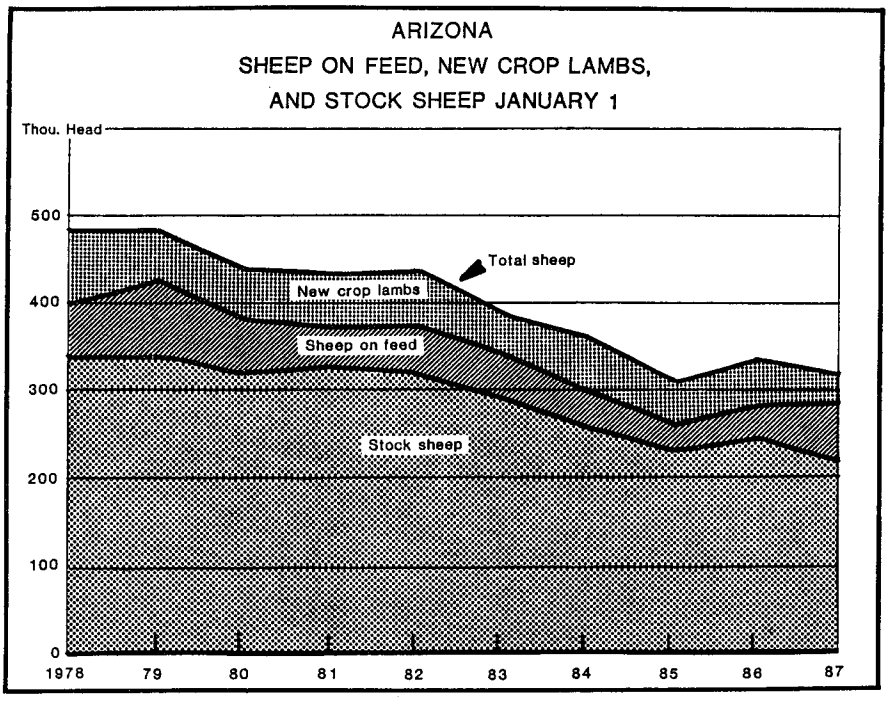
Year	All sheep shorn 1/	Weight per fleece	Shorn wool production	Average price per pound	Value of production 2/
	1,000 head	Lbs.	1,000 lbs.	Cents	1,000 dol.
1982	320	7.4	2,368	56	1,326
1983	300	7.1	2,121	43	912
1984	281	7.2	2,017	51	1,029
1985	276	7.0	1,925	51	982
1986	281	7.0	1,977	53	1,048

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, 1982-86

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Marketing year average
							Dollars per cwt.						
							SHEEP						
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
							LAMBS						
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
							WOOL						
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

1/ Insufficient sales.



POULTRY

EGGS: Production, disposition, and income, Arizona 1982-86 1/

Year	Eggs produced	Home consumption	Eggs sold	Price per dozen	Cash receipts	Value of home consumption 2/	Value of production
		Million		Cents		1,000 dol.	
1982	114	1.3	112.7	50.5	4,734	63	4,797
1983	102	1.4	100.6	55.2	4,628	64	4,692
1984	105	1.4	103.6	61.0	5,266	71	5,337
1985	99	3/	3/	53.0	3/	3/	4,373
1986	121			53.0			5,344

1/ December 1 previous year through November 30.
2/ Valued at same price as eggs sold.
3/ Estimates discontinued.

CHICKENS ON FARMS: Inventory by class, Arizona, December 1, 1982-86 1/

Year	All chickens	Hens & pullets of laying age			Pullets 3 months + and not of laying age	Pullets under three months	Other chickens	Value per head	Total value
		Hens 1+	Pullets	Total					
				1,000				Dollars	1,000 dol.
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

1/ Does not include commercial broilers.

LAYERS AND EGG PRODUCTION: Quarterly, Arizona 1982-86 1/

Year	Layers					Egg Production				
	Dec.-Feb.	Mar.-May	June-Aug.	Sept.-Nov.	Average number during year	Dec.-Feb.	Mar.-May	June-Aug.	Sept.-Nov.	Annual total
			1,000					Million		
1982	470	440	450	475	459	32	29	26	27	114
1983	458	413	377	377	406	27	25	24	26	102
1984	395	368	387	456	401	27	23	24	31	105
1985	460	455	421	385	430	32	26	20	21	99
1986	409	475	502	485	468	27	32	32	30	121

1/ December 1 previous year through November 30.

HOGS AND PIGS

Total inventory of all hogs and pigs in Arizona on December 1, 1986 totaled 155,000 head, 11 percent below 1985, but only 1 percent below a 10-year average. Swine inventories were first kept in 1870, with all hogs and pigs numbering 1,000. It was not until 1977 that inventories exceeded 100,000 head, and they have not fallen below this level in the past 10 years. The decline of 20,000 head from December 1985's inventory of 175,000 (the second largest inventory in 117 years of data), to December 1986's inventory of 155,000, is primarily attributed to several large operations going out of business. Commercial hog slaughter in Arizona declined by 74 percent from 1985, as the result of the breakup of the Arizona Pork Producers Association (APPA). APPA in the past has performed 90 percent of Arizona's commercial slaughter, and with the removal of this Association's plant, most Arizona hogs are shipped to California for slaughter. Commercial hog slaughter in Arizona totaled 69,300 head in 1986, off 201,200 head from 1985, representing the lowest number of hogs slaughtered since 1947, when 62,900 head were processed. Hog liveweights advanced one pound per head to 222 pounds during the year.

A breakdown by class reveals the following: Breeding hogs totaled 18,000 (12 percent of all hogs and pigs), while the majority (88 percent, 137,000 head) were market hogs and pigs. Average prices received for hogs and pigs increased 19 percent during 1986, from $46.00 per hundredweight in 1985 to $54.70 per hundredweight in 1986, returning some profitability back to this industry. Gross income generated by Arizona's pork industry likewise increased $5.7 million from $27.8 million in 1985 to $33.4 million in 1986.

The Arizona pig crop for 1986 totaled 263,000 pigs from 33,000 sows farrowing during the spring and fall. This compares with a pig crop of 287,000 during 1985 from 38,000 sows. During 1986, 16,000 sows farrowed during the spring (December 1985 - May 1986), for an average litter rate of 7.8 pigs, up from 7.4 during 1985. Seventeen thousand sows farrowed during the fall (June 1986 - November 1986), producing 138,000 pigs, an average of 8.1 pigs per litter, up from 7.7 pigs per litter during fall 1985, and the largest fall pig per litter rate in over 56 years of data.

HOGS: Number of operations and inventory December 1, Arizona and United States, 1982-86 1/

Year	Arizona		United States	
	Operations	Head	Operations	Head
	Number	1,000	Number	1,000
1982	660	170	481,040	54,534
1983	590	150	462,110	56,694
1984	600	170	429,580	54,073
1985	650	175	391,000	52,313
1986	700	155	346,890	50,960

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

HOGS AND PIGS: Inventory, supply, and disposition, Arizona, 1982-86

Year	Inventory Dec. 1 1/	Pig crop Dec.-May	Pig crop June-Nov.	Inshipments	Marketings 2/	Farm slaughter 3/	Deaths
	1,000 head						
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

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.

HOGS AND PIGS: Production and income, Arizona, 1982-86

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.			
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

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, 1982-86

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	
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
NAVAJO		PINAL		YUMA	
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	2/
OTHER COUNTIES 1/		ARIZONA			
1982	12	1982	170		
1983	7	1983	150		
1984	10	1984	170		
1985	5	1985	175		
1986	5	1986	155		

1/ Includes estimates for counties not listed.
2/ Included in other counties

HOGS AND PIGS: Inventory by class, weight group, and farm value, Arizona, December 1, 1982-86

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.
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

PIG CROP: Sows farrowed, pigs per litter, and pigs saved, Arizona, 1982-86

Year 1/	Total pig crop		December through May			June through November		
	Sows farrowed	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved	Sows farrowed	Pigs per litter	Pigs saved
	1,000	1,000	1,000		1,000	1,000		1,000
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

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

MEAT PRODUCTION

LIVESTOCK SLAUGHTERING ESTABLISHMENTS: Arizona, January 1, 1983-87

Year	Under Federal Inspection	Other 1/	Total
		Number	
1983	7	29	36
1984	8	27	35
1985	9	26	35
1986	10	24	34
1987	5	24	29

1/ Includes State inspected and custom-exempt plants.

RED MEAT PRODUCTION: Arizona, 1982-1986 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
							1,000 Pounds						
1982 2/			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

1/ Includes total beef, veal, pork, and lamb and mutton, excluding farm slaughter.
2/ 1982 quarterly figures only; monthly estimates discontinued for 1982.

COMMERCIAL CATTLE SLAUGHTER: Arizona, 1982-1986

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
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
							1,000 Lbs. Liveweight						
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

1/ Numbers may not add due to rounding.
2/ 1982 quarterly figures only; monthly estimates discontinued for 1982.

COMMERCIAL HOG SLAUGHTER: Arizona, 1982-1986

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
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
							1,000 Lbs. Liveweight						
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

1/ Numbers may not add due to rounding.
2/ 1982 quarterly figures only; monthly estimates discontinued for 1982.

COMMERCIAL SHEEP SLAUGHTER: Arizona, 1982-1986

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Number						
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
							1,000 Lbs. Liveweight						
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

1/ Numbers may not add due to rounding.
2/ 1982 quarterly figures only; monthly estimates discontinued for 1982.

HONEY

HONEY: Number of colonies, yield, production, and value, Arizona, 1986 1/

Year	Number of colonies	Yield per per colony	Production	Average price per pound	Value of production
	1,000	Pounds	1,000 lbs.	Cents	1,000 dol.
1986	77	50	3,850	51	1,964

1/ For producers with five or more hives.

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: Arizona, Mountain III Region, by survey week, July 1982-January 1987 1/

Survey week and year	Type of work						Method of pay		
	All hired workers	Field	Live-stock	Combined field and livestock	Super-visory	Other	Hourly	Piece rate 2/	Other
	Dollars per hour								
ARIZONA									
1982									
July 11-17	4.18	4.11	3.94	4.08	4/	4/	3.89		4.58
1983									
July 10-16	4.44	4.24	4.17	4.23	4/	4.80	4.25		5.05
1984									
July 8-14	4.22	3.87	4.15	3.92	6.17	4.75	3.93		5.28
October 7-13	4.80	4.61	4.17	4.52	6.42	5.22	4.51		5.61
MOUNTAIN III 3/									
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	4/	4.54
July 7-13	4.30	3.76	4.14	3.89	6.64	4/	3.92	4/	4.89
October 6-12	4.78	4.90	4.44	4.69	6.53	4.57	4.59	4/	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	4/	5.19
October 12-18	5.10	5.00	4.08	4.68	6.81	5.33	4.79	4/	5.92
1987									
January 11-17	4.86	4.30	4.51	4.40	7.37	5.05	4.46	4/	5.97

1/ Excludes agricultural service workers.
2/ Not estimated prior to 1985.
3/ Arizona wage rates not estimated separately after 1984. Mountain III region includes Arizona and New Mexico.
4/ Insufficient data for this category.

FARM LABOR: Arizona, Mountain III Region, by survey week, July 1982-January 1987 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	Other unpaid	Hired
	Thousands							Hours		
ARIZONA										
1982										
July 11-17	9.0	4.0	13.0	1.0	14.0	15.0	28.0	44.0	33.1	46.3
1983										
July 10-16	10.0	3.0	13.0	3.5	12.0	15.5	28.5	42.6	40.7	48.6
1984										
July 8-14	11.0	4.0	15.0	3.5	11.0	14.5	29.5	47.4	29.6	55.5
October 7-13	8.0	3.0	11.0	3.0	11.0	14.0	25.0	50.2	40.0	48.1
MOUNTAIN III 2/										
1985										
January 6-12	16.0	3.0	19.0	7.0	18.0	25.0	44.0	35.4	27.0	43.2
April 7-13	16.0	4.0	20.0	8.0	19.0	27.0	47.0	45.1	34.8	47.1
July 7-13	13.0	5.0	18.0	11.0	20.0	31.0	49.0	46.8	41.1	44.0
October 6-12	14.0	4.0	18.0	12.0	17.0	29.0	47.0	37.7	30.0	40.3
1986										
January 12-18	16.0	2.0	18.0	11.0	18.0	29.0	47.0	38.5	32.3	45.6
April 6-12	14.0	4.0	18.0	10.0	16.0	26.0	44.0	36.4	34.5	46.5
July 6-12	12.0	5.0	17.0	10.0	22.0	32.0	49.0	40.7	29.5	48.5
October 12-18	11.0	3.0	14.0	10.0	22.0	32.0	46.0	38.3	40.4	48.2
1987										
January 11-17	15.0	2.0	17.0	10.0	21.0	31.0	48.0	39.6	36.2	44.6

1/ Excludes agricultural service workers.
2/ Arizona number of workers not estimated separately after 1984. Mountain III region includes Arizona and New Mexico.

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 1981-82 through 1985-86. 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 1981/82-1985/86 1/

COMMODITY GROUP	1981/82	1982/83	1983/84	1984/85	1985/86
			Million dollars		
Wheat and products	125.4	53.2	87.9	56.8	26.8
Cotton, including linters	222.5	165.3	238.9	179.6	53.4
Cottonseed and products	23.6	13.9	11.0	13.7	8.3
Fruits and preparations	36.6	42.2	36.6	39.2	45.6
Vegetables and preparations	17.7	17.6	16.2	13.6	15.0
Animals and meats (excludes poultry)	9.2	7.0	8.2	11.0	11.6
Hides and skins	8.9	7.6	11.4	13.7	14.5
Fats, oils and greases	7.6	5.3	6.8	7.1	5.2
Dairy products	2.7	2.8	3.2	3.2	3.4
Other	12.9	11.5	11.6	11.0	8.4
ARIZONA	467.1	326.5	431.8	348.8	192.1
UNITED STATES	39,094.5	34,769.5	38,026.8	31,200.8	26,324.7

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, 1981/82-1985/86 1/

Year	Agricultural	Nonagricultural	Total	Agricultural percent of total
		Million dollars		Percent
U.S. EXPORTS 2/				
1981/82	39,095	176,310	215,405	18
1982/83	34,769	159,373	194,142	18
1983/84	38,027	170,014	208,041	18
1984/85	31,201	179,236	210,437	15
1985/86	26,325	176,613	202,938	13
U.S. IMPORTS 3/				
1981/82	15,481	233,353	248,834	6
1982/83	16,271	230,629	246,900	7
1983/84	18,916	297,736	316,652	6
1984/85	19,740	313,722	333,462	6
1985/86	20,875	342,855	363,730	6
TRADE BALANCE				
1981/82	23,614	-57,043	-33,429	
1982/83	18,498	-71,256	-52,758	
1983/84	19,111	-127,722	-108,611	
1984/85	11,461	-134,486	-123,025	
1985/86	5,450	-166,242	-160,792	

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, Fiscal Year 1986, U.S.D.A. Economic Research Service.

COTTON SUPPLY AND USE: World, United States, major exporters and importers; marketing years 1984/85, and 1985/86 1/

Region	Supply			Use		Ending Stocks
	Beginning stocks	Production	Imports	Mill use	Exports	
			Million 480 pound bales			
			1984-85			
World	25.03	88.13	20.66	69.90	20.46	43.11
United States	2.78	12.98	0.02	5.54	6.22	4.10
Total foreign	22.26	75.15	20.64	64.36	14.25	39.01
Major exporters 2/	12.06	53.81	1.22	31.64	9.10	26.05
China	7.77	28.70	0.19	15.50	1.26	19.80
Pakistan	0.09	4.63	0.03	2.26	1.26	1.05
USSR	2.34	11.88	0.82	9.50	2.92	2.62
Major importers 3/	4.52	0.98	15.85	16.37	0.56	4.42
Japan	0.67	--	3.13	3.19	--	0.61
			1985-86 (Estimated)			
World	43.11	78.95	21.45	74.65	20.28	48.31
United States	4.10	13.43	0.03	6.40	1.96	9.35
Total foreign	39.01	65.52	21.42	68.25	18.32	38.96
Major exporters 2/	26.05	44.63	0.91	34.15	12.57	24.59
China	19.80	19.00	4/	17.50	2.90	18.30
Pakistan	1.05	5.70	4/	2.34	3.15	1.10
USSR	2.62	12.10	0.65	9.60	3.00	2.76
Major importers 3/	4.42	1.16	16.29	16.71	0.68	4.46
Japan	0.61	--	3.05	3.15	--	0.52

1/ Maketing 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/ Australia, China, Central America, Egypt, Mexico, Pakistan, Sudan, Turkey and the USSR.
3/ Eastern Europe, Western Europe, Japan, Hong Kong, Republic of Korea, and Taiwan.
4/ Less than 5,000 bales.
Source: United States Department of Agriculture, Agriculture Marketing Service, Cotton Division, Market News Branch; Weekly Cotton Market Review.

WEATHER

Annual rainfall amounts were above normal during 1986 for the fifth consecutive year. Weather stations at Yuma and Kingman were the only locations where the rainfall totals were below 1985. Flagstaff received 32.39 inches of precipitation, 11.5 inches above normal. Douglas, McNary, Parker, Prescott, Willcox, and Window Rock ranged from 2.4 to 6.3 inches above normal. Rainfall statistics vary considerably within Arizona because of the diverse geographic regions and elevations. Yuma can expect the lowest annual rainfall, only 2.65 inches, while McNary can plan on the highest average among major reporting stations in Arizona at 27.24 inches.

Weather patterns over Arizona normally originate from the Pacific and Arctic regions. This weather comes in from the west with occasional cold bursts directly from the north. This pattern persists until the summer, when the monsoons begin. Weather patterns approach from the south during the monsoons,which usually last through September. October is a transitional month with the weather changing from a southerly flow to a westerly direction again.

A "monsoon day" is defined as a day with an average dew point of 55 degrees or higher. The word "monsoon" comes from an Arabic word for season. The term was originally applied to windstorms from over the Arabian Sea. However, the term has come to mean almost any large-scale, wet wind that blows regularly during a definite season. Monsoon is a very moist wind that blows from tropical and subtropical waters to the hot land areas in summer and from the cold land areas to warm waters in winter. The monsoon onset is often dramatic and occurs when the very hot, dry air is replaced by a surge of moist, tropical air. The results are uncomfortable heat and humidity with an abundance of thunderstorms. The monsoon feature is more pronounced over the southern and central sections of the State and becomes more marginal over northern areas.

During January through March, 1986, temperatures were generally above normal. Precipitation was below normal during much of January, but sufficient rainfalll occurred during the next two months to end the quarter at a near normal level. Record highs were set at Phoenix and Tucson in January and February. Yuma recorded a high of 97 degrees in February, probably the highest temperature ever in Arizona during February. By the end of March, soil moisture and stock water were adequate throughout the State, except in Santa Cruz and Cochise counties, where a surplus was reported. Crops were progressing ahead of normal due to above average temperatures.

Weather during the months of April, May, and June saw below normal rainfall with temperatures above normal. Around May 1, pasture and range conditions were generally above normal; however, by June 1 conditions had deteriorated to below normal across the State with a number of small range fires reported on the Hopi Reservation towards the end of May. By July 1, drought conditions were reported in the lower elevations as tank water and soil moisture became very low. Crops, however, during this period made normal progress with routine irrigations and insect controls taking place in all producing areas.

The July-September quarter began with the monsoon commencing full force, bringing much needed moisture to the eastern two-thirds of the State. At Phoenix, it was the first time on record that measurable rain was recorded on each of the first four days of July. Monsoon conditions continued for most of July and August with nearly all weather stations now reporting above average rainfall. Flagstaff received 2.68 inches of rain in 1 hour and 15 minutes during a downpour in August. The extreme western part of the State received very little or no precipitation during this quarter which is normal for this area. By mid-September, cooler, very dry air covered the State with minimum temperatures the lowest since spring.

October proved to be a stormy month. One storm, during the second week of October, moved through the State with winds, estimated to 100 miles per hour, causing severe dust storms between Buckeye and the California border. Hail .25 to .50 inch in diameter was reported at a number of locations in the Salt River Valley. The storm delayed cotton harvest and some respraying for defoliation was necessary. Temperatures during November and December averaged above normal. Frequent rain storms during December slowed fieldwork and delayed the wrap-up of cotton harvest. The wettest areas were in southeast Arizona in the Willcox area. Ranges and pastures benefited from timely rainfall making prospects for spring feed excellent throughout much of the State.

FREEZE DATES: Last 32° temperature in spring and first in fall, Arizona, 1982-86

Year	Last in spring	First in fall	Last in spring	First in fall	Last in spring	First in fall
	AGUILA		BUCKEYE		CASA GRANDE	
1982	Apr. 8	Nov. 3	Mar. 6	Dec. 27	Mar. 7	Oct. 29
1983	Apr. 14	Nov. 21	Jan. 23	Nov. 27	Apr. 5	Nov. 22
1984	Mar. 7	Nov. 9	Feb. 21	Nov. 26	Apr. 29	Nov. 26
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
	CHANDLER HEIGHTS		DOUGLAS		FLAGSTAFF	
1982	Feb. 3	Dec. 24	Mar. 21	Nov. 4	June 9	Sept. 28
1983	Jan. 22	Nov. 26	Apr. 22	Nov. 16	June 13	Oct. 20
1984	Feb. 27	Nov. 26	Apr. 30	Nov. 10	June 9	Sept. 29
1985	Mar. 30	Nov. 20	Apr. 2	Nov. 14	June 4	Sept. 12
1986	Feb. 11	Dec. 11	Mar. 20	Nov. 9	May 26	Sept. 11
	GILA BEND		GRAND CANYON		KINGMAN	
1982	Feb. 3	1/	June 8	Sept. 28	Apr. 7	Nov. 11
1983	Jan. 21	Nov. 28	June 14	Oct. 15	Apr. 14	Nov. 22
1984	Feb. 17	Nov. 27	June 8	Oct. 2	Apr. 27	Nov. 9
1985	Feb. 7	1/	June 4	Sept. 12	Mar. 30	Nov. 13
1986	1/	1/	May 18	Sept. 24	Mar. 18	Nov. 29
	MCNARY		PARKER		PAYSON	
1982	June 9	Oct. 2	Jan. 23	Dec. 27	May 13	Oct. 1
1983	June 5	Oct. 12	Jan. 4	Dec. 6	May 16	Nov. 9
1984	May 8	Oct. 6	Feb. 24	Nov. 27	May 1	Oct. 16
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
	PHOENIX		PRESCOTT		SAFFORD	
1982	1/	1/	May 11	Oct. 1	Mar. 24	Nov. 6
1983	1/	1/	May 2	Nov. 9	Apr. 15	Nov. 20
1984	1/	1/	Apr. 30	Oct. 16	Apr. 3	Nov. 18
1985	Feb. 5	1/	Apr. 20	Oct. 15	Mar. 31	Nov. 14
1986	1/	1/	May 7	Oct. 12	Feb. 23	Nov. 8
	TUCSON		WILLCOX		WINDOW ROCK	
1982	Mar. 6	Dec. 3	Apr. 8	Oct. 11	June 1	Sept. 29
1983	Jan. 22	Nov. 27	Apr. 16	Nov. 16	May 21	Sept. 21
1984	Feb. 27	Nov. 26	Apr. 30	Nov. 2	May 9	Oct. 15
1985	Mar. 4	Nov. 15	Apr. 2	Nov. 7	May 14	Sept. 12
1986	Feb. 11	Dec. 1	May 9	Nov. 6	Apr. 27	Oct. 24
	WINSLOW		YUMA			
1982	Apr. 21	Oct. 9	1/	1/		
1983	May 17	Nov. 8	1/	1/		
1984	Apr. 29	Oct. 16	1/	1/		
1985	Apr. 27	Nov. 2	1/	1/		
1986	Apr. 27	Oct. 13	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, 1986 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
						Degrees fahrenheit							
Aguila 2/	53.0	52.6	59.0	62.9	71.1	82.1	83.1	86.6	72.7	63.6	M	M	68.7 3/
Buckeye	58.7	58.8	67.3	71.7	79.3	90.4	91.0	93.7	80.6	69.7	60.8	53.0	72.9
	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	56.5	57.3	65.3	69.3	78.5	87.9	87.9	89.0	78.2	67.6	60.7	52.7	70.9
	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/	57.1	57.1	M	70.2	78.5	88.8	88.1	90.1	79.2	69.6	59.9	51.2	71.8 4/
Douglas	49.3	51.3	56.4	63.5	68.9	75.9	75.9	77.4	70.5	61.6	52.0	44.9	62.3
	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	37.0	34.2	39.7	44.1	52.0	61.2	64.0	65.7	53.0	43.5	37.6	30.2	46.9
	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	60.8	61.9	69.5	73.1	81.3	92.0	92.9	95.6	83.1	73.6	63.3	55.7	75.2
	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/	36.6	34.5	40.1	43.4	52.3	62.3	64.8	66.6	54.2	44.7	37.4	30.4	47.3
Kingman	50.1	49.3	55.7	58.8	68.7	79.8	80.3	83.1	69.2	60.9	52.0	43.9	62.7
	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	39.2	36.5	42.6	47.3	53.9	61.5	M	65.0	55.8	47.0	39.9	31.7	47.3 4/
	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	58.7	60.8	68.5	72.2	81.3	91.6	92.2	95.4	80.1	71.6	62.9	53.1	74.0
	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	44.0	42.8	49.0	53.8	60.8	70.9	73.0	75.0	62.7	54.5	45.7	39.3	56.0
	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	61.4	61.0	69.3	74.2	82.3	92.8	92.3	94.5	84.1	74.7	65.0	56.4	75.7
	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	43.4	41.8	48.2	52.1	60.7	70.0	70.9	72.4	60.8	51.5	44.9	37.7	54.5
	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	48.5	50.6	57.4	63.4	71.1	80.7	80.2	82.8	73.1	62.6	52.5	45.2	64.0
	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	58.7	56.9	63.8	69.0	76.8	86.6	85.5	86.0	79.0	69.6	59.8	52.3	70.3
	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	46.5	49.8	55.3	61.3	67.4	76.3	77.0	78.6	69.5	59.4	50.1	43.3	61.2
	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	37.8	37.9	43.1	47.8	55.8	66.2	68.8	69.0	57.7	47.3	40.4	31.9	50.3
	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	39.8	43.2	49.6	54.6	62.6	73.4	75.9	77.2	65.2	53.7	44.5	34.8	56.2
	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	63.8	63.6	70.6	73.9	81.3	90.8	92.2	95.6	82.5	74.6	66.0	58.3	76.1
	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 1986, bottom row long-term average.
2/ Long-term average not available.
3/ Average temperature for 10 months.
4/ Average temperature for 11 months.
M- Missing
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

TOTAL PRECIPITATION: Arizona, 1986 and long-term average 1/

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							Inches						
Aguila 2/	.53	1.28	1.42	.12	.08	.24	1.12	.77	.99	.66	M	M	7.21 3/
Buckeye	.18	.88	1.20	.04	.30	.00	1.41	.28	.16	1.52	.20	.90	7.07
	.80	.68	.74	.23	.08	.07	.62	1.23	.70	.60	.47	.73	6.95
Casa Grande	.04	1.10	.77	.48	.05	.00	.32	2.81	.33	1.22	.48	1.79	9.39
	.81	.66	.85	.29	.11	.20	.90	1.80	.61	.78	.66	.91	8.58
Chandler Heights	.18	1.50	M	.00	.00	.00	2.56	1.55	.98	1.70	.06	1.55	10.08 4/
	.92	.76	1.02	.28	.14	.06	.83	1.22	.67	.80	.70	.95	8.35
Douglas	.12	.69	.54	.03	.20	.93	4.33	5.03	1.00	.34	.82	2.42	16.45
	.74	.47	.48	.16	.16	.41	3.51	3.03	1.15	.84	.45	.76	12.16
Flagstaff	.31	1.76	2.60	1.23	.72	1.16	6.62	8.06	4.80	2.02	1.68	1.43	32.39
	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	.15	1.13	.85	T	T	.00	1.46	1.01	.53	.73	.00	1.14	7.00
	.67	.49	.61	.22	.10	.06	.69	1.01	.46	.48	.40	.63	5.82
Grand Canyon 2/	.24	1.64	1.96	1.79	.79	.40	.57	1.58	1.28	1.95	1.43	1.52	15.15
Kingman	.66	1.20	1.40	.50	.06	.28	.12	1.41	1.22	.12	.40	1.69	9.06
	1.11	.96	1.11	.63	.24	.24	.98	1.36	.75	.67	.71	.89	9.65
McNary	.49	3.30	4.47	.99	.46	.68	M	3.72	3.05	2.96	3.91	4.09	28.12 4/
	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	.45	.85	.43	T	.10	.01	1.02	.73	1.06	.53	.59	.63	6.40
	.60	.43	.47	.17	.05	.02	.26	.49	.40	.38	.35	.46	4.08
Payson	.23	1.32	4.30	.29	.04	.26	2.76	6.11	1.36	2.16	.73	2.60	22.16
	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	.07	1.19	1.58	.01	T	.01	1.19	1.27	.47	.41	.03	1.38	7.61
	.73	.59	.81	.27	.14	.17	.74	1.02	.64	.63	.54	.83	7.11
Prescott	.11	1.35	3.42	.40	.83	1.49	3.18	5.68	3.52	1.34	.49	.85	22.66
	1.72	1.51	1.53	.76	.50	.53	3.15	3.45	1.49	1.22	1.33	1.65	18.84
Safford	.04	1.32	1.48	.16	.07	.76	.19	1.22	.45	1.23	2.39	.70	10.01
	.63	.55	.56	.18	.12	.24	1.76	1.55	.99	.86	.40	.76	8.60
Tucson	.98	1.13	1.30	T	.44	.06	1.82	3.56	.31	.50	.42	1.28	11.80
	.83	.63	.68	.32	.14	.22	2.42	2.13	1.33	.88	.62	.94	11.14
Willcox	.07	1.31	1.52	.02	.23	.41	2.92	4.63	.61	2.18	1.42	2.54	17.86
	.86	.62	.62	.24	.15	.39	2.74	2.60	1.12	.77	.44	.97	11.52
Window Rock	.03	1.20	1.27	.92	.82	.63	4.36	2.56	1.45	.38	2.93	.51	17.06
	.77	.67	.84	.54	.45	.42	1.66	2.17	1.14	1.26	.71	.88	11.51
Winslow	.02	.75	.80	.16	.04	.33	2.32	.42	.55	1.14	1.28	.56	8.37
	.43	.46	.51	.32	.30	.35	1.14	1.41	.83	.90	.41	.58	7.64
Yuma	.07	.28	.14	.00	.00	.14	.21	.19	.35	.01	.11	.23	1.73
	.38	.26	.18	.13	.04	.01	.15	.42	.25	.29	.20	.34	2.65

1/ Top row 1986, bottom row long-term average.
2/ Long-term average not available.
3/ Total precipitation for 10 months.
4/ Total precipitation for 11 months.
M- Missing
T- Trace
Source: United States Department of Commerce, National Oceanic and Atmospheric Administration; Climatological Data.

RESERVOIR STORAGE: Arizona, April 1, 1983-87

Basin or stream	Reservoir	Usable Capacity	Usable storage 1983	1984	1985	1986	1987
			Thousand acre feet				
GILA RIVER DRAINAGE							
Agua Fria	Lake Pleasant	157.0	157.5	125.4	122.9	88.8	65.2
Granite	Watson Lake	4.7	4.7	3.9	4.5	4.4	4.4
Granite	Willow Creek	6.1	6.1	5.7	6.1	4.4	5.3
Gila	San Carlos	935.0	580.6	875.0	1/ 943.9	905.4	782.3
Gila	Painted Rock Dam	2,492.0	567.0	6.0	276.2	0.0	0.0
Salt	Roosevelt, Apache, Canyon, and Saguaro	1,710.0	1,652.4	1,479.0	1,652.6	1,687.1	1,621.0
Verde	Bartlett and Horseshoe	310.0	297.3	219.0	308.6	278.6	293.6
COLORADO RIVER DRAINAGE							
Colorado	Lake Havasu	619.4	567.5	547.0	573.0	558.8	553.0
Colorado	Lake Mohave	1,810.0	1,714.0	1,709.0	1,732.6	1,665.2	1,764.5
Colorado	Lake Mead	26,159.0	24,638.0	23,804.0	23,861.0	23,273.0	24,181.0
Colorado	Lake Powell	25,002.0	22,604.0	21,057.0	21,398.0	22,016.0	21,831.0
Little Colorado	Lyman Lake	31.1	2/	2/	30.0	27.4	30.6
Show Low Creek	Show Low Lake	5.1	5.1	3.6	5.1	3.1	5.1

WATER SUPPLY: Arizona continues to enjoy the prospect of above average surface water supplies. Greater than normal streamflow was forecast for the April-May period. The April 1 snowpack was above average on major basins even though precipitation for the month of March was below normal. Reservoir storage is considered very good.

SNOWPACK: The April 1 snowpack was well above average on major basins. Snow water equivalent ranged from 127% of average on the Verde River basin to 141% on the San Francisco/Gila basin. The San Francisco Peaks measured 112%. Some areas were somewhat below average such as the Grand Canyon at 66%, the Chuska Mountains at 86%, and the Mimbres River, 78%. One reason that snowpack percentages tended to remain high was that the last half of March turned cooler than usual and snowmelt which usually occurs in late March was delayed.

PRECIPITATION: March was a fairly stormy month but in general the amounts were small and moisture was below average over the state. The monthly precipitation ran 64% of average on the Verde River, 65% on the Salt River, 73% on the Little Colorado, and 85% on the Gila basin. Northwestern Arizona received 72% of normal moisture and the Mimbres watershed, 87%. The water year precipitation since October 1 is still near to above average.

RESERVOIRS: Most reservoirs serving the water needs of Arizona continue to report excellent volumes in storage as of April 1. The Salt River Project dams held 1,915,000 acre feet which accounted for 95% of the system's storage potential. San Carlos reservoir was 84% full with 782,000 acre feet in storage. Lake Pleasant was still somewhat low with 65,000 acre feet at41% of capacity. Lakes Powell, Mead, Mohave, and Havasu held a combined storage of 48,330,000 acre feet which is 90% of capacity. Show Low Lake was full with 5,100 acre feet and was spilling. LymanLakewas holding 30,600 acre feet and was very close to spilling. Watson Lake held 4,400 acre feet and Willow Lake, 5,300 acre feet.

STREAMFLOW: April-May forecasts called for near to above average streamflow. The Verde River should run 103% of average and the Salt River, 138%. The San Francisco at Clifton is forecast at 167%. The upper Gila River is forecast at 117% at Virden but should run 145% at the head of Safford Valley due to the contribution of the San Francisco. The Little Colorado River is expected to produce 189% of average inflow to Lyman Reservoir. The Mimbres River forecast is for 119% of average flow. Spring runoff on the Colorado River is forecast at 93% into Lake Powell. March streamflow was above average on most streams due to carryover runoff from the late February storm. Only the upper Gila ran below average at 69%. Runoff ranged from 114% on the Salt to 159% on the San Francisco.

1/ Lake level above spillway elevation.
2/ Not available.
Source: United States Department of Agriculture, Soil Conservation Service; Arizona Water Supply Outlook, April 1, 1987.

OTHER STATISTICS

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, 1982-86

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 & after seeding
	Number	Percent				Pounds			Percent		
1982	99	95	94	35	3	126	59	34	3	60	37
1983	82	90	90	45	11	113	43	14	4	50	46
1984	91	99	98	48	4	150	59	29	12	55	33
1985	96	95	95	51	9	157	55	6	11	57	32
1986	97	93	93	39	7	122	47	12	16	56	28

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.

UPLAND COTTON SAMPLES: Percentage distribution by row spacing, average row width, seeding rate, and plant population, Arizona, 1982-86

Year	Cotton samples	Row spacing (inches) 1/				Average row width	Seeding rate per acre 2/	Plants per acre
		36.5 & less	36.6 - 38.5	38.6 - 40.5	40.6 & greater			
	Number	Percent				Inches	Pounds	Number
1982	98	5	33	46	16	39.1	19.2	35,836
1983	94	-	45	43	12	39.2	18.9	33,877
1984	105	5	42	47	6	38.2	19.9	35,232
1985	104	4	53	41	6	38.7	20.1	37,581
1986	99	6	48	42	4	38.5	19.2	44,074

1/ Measurement across 8 row spaces in each sample field.
2/ Acid delinted basis.

UPLAND COTTON SAMPLE COUNTS: Bolls produced, weight, lint loss, and yield per acre, Arizona, 1982-86

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
1982	272	4.18	1.59	4	4.7	128	1,130
1983	285	4.04	1.50	5	5.8	92	1,225
1984	296	4.03	1.50	3	3.1	69	1,227
1985	312	3.91	1.46	4	3.9	99	1,241
1986	312	4.09	1.57	7	7.9	88	1,301

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.

COTTON PROGRESS: Arizona, by survey week, April 1982-December 1986

Month and Week 1/	1982	1983	1984	1985	1986	5-year average
			Percent of acreage			
			Planted			
March 30	25	25	35	30	35	30
April 6	40	40	50	45	55	45
13	50	50	55	65	65	55
20	70	75	75	85	80	75
27	80	85	91	90	90	87
May 4	90	94	96	92	95	93
11	94	98	99	95	98	97
18	95	99	99	97	99	98
25	97	100	100	99	99	99
June 1	99	100	100	99	99	99
8	99	100	100	100	100	100
			Squaring			
May 25	15	10	10	10	40	15
June 1	40	30	35	30	65	40
8	55	45	45	75	75	60
15	65	65	70	90	85	75
22	75	80	85	91	92	85
29	90	95	94	96	96	94
July 6	95	98	97	98	97	97
13	97	98	99	100	98	98
20	98	99	100	100	99	99
27	99	100	100	100	100	100
Aug. 3	99	100	100	100	100	100
			Setting bolls			
June 22	20	20	40	60	20	30
29	50	60	55	65	50	55
July 6	60	70	65	70	75	70
13	85	80	75	80	90	80
20	93	90	80	80	94	87
27	95	97	91	90	95	94
Aug. 3	97	99	96	95	96	97
10	100	100	98	96	98	98
17	100	100	99	99	100	100
24	100	100	100	100	100	100
			Open bolls			
Aug. 3	10	3	3	3	3	4
10	30	5	6	6	6	11
17	35	15	35	20	20	30
24	35	35	50	45	45	40
31	55	50	70	70	50	60
Sept. 7	65	60	75	75	60	65
14	70	70	80	85	75	75
21	80	80	90	90	88	86
28	94	90	95	93	93	93
Oct. 5	98	92	99	95	98	96
12	99	94	100	100	99	98
19	100	100	100	100	99	100

See footnote at end of table.

Continued--

COTTON PROGRESS: Arizona, by survey week, April 1982-December 1986--continued

Month and Week 1/	1982	1983	1984	1985	1986	5-Year average
			Percent of acreage Harvested			
Sept. 14	1	1	0	0	2	1
21	1	2	1	0	3	1
28	3	2	3	3	5	3
Oct. 5	7	4	7	7	15	8
12	10	6	15	10	20	12
19	25	15	25	20	30	25
26	35	25	45	30	40	35
Nov. 2	45	45	55	50	55	50
9	50	55	65	55	70	60
16	55	85	75	60	80	70
23	65	90	80	70	86	80
30	70	96	94	80	91	86
Dec. 7	75	98	96	85	94	90
14	80	99	98	92	97	93
21	85	100	99	96	98	96
28	90	100	100	98	99	97

1/ Dates are for 1986. Comparable dates are used for 1982-1985.

SMALL GRAINS PROGRESS: Arizona, by survey week, 1986 crop

Planted		Jointing		Heading		Turning color		Harvested	
Month and week	Percent of acreage	Month and week	Percent of acreage	Month and week	Percent of acreage	Month and week	Percent of acreage	Month and week	Percent of acreage
Dec. 7	20	Feb. 2	0	Mar. 9	2	Apr. 20	20	May 18	25
14	30	9	6	16	13	27	25	25	45
21	40	16	25	23	20				
28	50	23	30	30	50	May 4	40	June 1	55
						11	60	8	75
Jan. 5	65	Mar. 2	40	Apr. 6	86	18	80	15	85
12	75	9	55	13	90	25	96	22	93
19	80	16	70	20	93			29	98
26	85	23	86	27	95	June 1	98		
		30	92			8	100	July 6	99
Feb. 2	95			May 4	96			13	100
9	100	Apr. 6	93	11	99				
		13	96	18	99				
		20	100	25	100				

PASTURE AND RANGE FEED CONDITIONS 1/: Arizona, April-November, 1982-1986

Year	April	May	June	July	August	September	October	November
				Percent				
1982	83	80	80	76	67	79	86	80
1983	97	90	87	83	79	87	86	96
1984	61	70	63	62	79	96	96	92
1985	91	89	94	86	82	72	71	82
1986	2/	84	63	64	78	89	86	87

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

SEEDING RATES: Quantity of seed used per acre, Arizona, 1985

Barley	Corn	Cotton	Potatoes	Sorghum	Durum Wheat	Wheat other than Durum
Pounds	Kernels	Pounds	Cwt.	Pounds	Pounds	Pounds
134.4	29,100	18	15.0	10.0	138.0	138.0

UPLAND COTTON GINNING CHARGES, HARVESTING PRACTICES, AND SELECTED MARKETING COSTS: Arizona, 1981/82-1985/86

Item	Unit	1981/82	1982/83	1983/84	1984/85	1985/86
BALES GINNED (running bales)	Thousands	1,497	1,039	688	1,036	863
ACTIVE GINS	Number	120	112	98	100	91
WRAPPING & GINNING CHARGES PER BALE:						
Total charge per 480-lb. net weight bale 1/	Dollars	42.91	42.87	43.17	40.16	40.70
METHOD OF HARVESTING:						
Machine-picked	Percent	89	86	86	95	97
Machine-stripped	Percent	3	3	2	2/	2/
Machine-scrapped	Percent	8	11	12	5	3
WEIGHT OF SEED COTTON PER 480-LB. NET WEIGHT BALE:						
Machine-picked	Pounds	1,459	1,443	1,475	1,491	1,515
Machine-stripped	Pounds	2,057	3/	3/	3/	3/
Machine-scrapped	Pounds	1,872	1,881	1,907	1,883	1,823
COTTON GINNED FROM:						
Trailers	Percent	44	40	45	42	39
Modules	Percent	56	60	55	58	61
CHARGES FOR WAREHOUSING AND RELATED SERVICES 4/:						
Charge per bale per month for insured storage	Dollars	1.65	1.57	1.74	1.73	1.90
Charge per bale for compressing to universal density	Dollars	6.21	6.08	6.02	6.00	5.80
Charge per bale for outhandling	Dollars	5.20	5.02	4.93	4.39	4.20

1/ 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.
2/ Less than 1 percent.
3/ No data available.
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, 1982/83-1986/87

Season	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season 1/
						1,000 running bales							
						Mill consumption 2/							
1982/83	386	474*	416	391	425*	404	430	549*	431	441	543*	369	5,259
1983/84	453	560*	459	446	468*	469	448	548*	430	442	503*	354	5,129
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 4/	534	523	683*	529	568*								
						Mill consumption per day							
1982/83	19.3	19.0	20.8	19.5	17.0	20.2	21.5	22.0	21.5	22.0	21.7	18.4	20.2
1983/84	22.6	22.4	22.9	22.3	18.7	23.5	22.4	21.9	21.5	22.1	20.1	17.7	21.6
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 4/	26.7	26.2	27.3	26.5	22.7								
						Stocks in consuming establishments 3/							
1982/83	750	671	611	635	698	782	777	790	795	777	757	756	--
1983/84	712	639	556	554	611	647	713	741	766	766	822	795	--
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 4/	664	582	563	578	624								
						Stocks in public storage 3/							
1982/83	5,008	5,293	7,575	10,190	11,101	11,120	10,546	9,713	8,796	7,930	7,419	6,656	--
1983/84	6,168	5,870	7,119	8,570	8,790	7,525	6,359	4,997	3,956	2,966	2,212	1,761	--
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 4/	7,625	7,996	9,543	10,148	10,252								
						Exports							
1982/83	342	351	293	382	377	438	368	487	612	464	435	409	4,961
1983/84	367	322	261	441	632	663	719	896	723	607	422	365	6,419
1984/85	452	264	292	484	629	793	766	625	544	426	353	252	5,943
1985/86	166	179	222	196	236	189	202	134	198	69	62	25	1,875
1986/87 4/	374	369	617	526	663								

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

4/ Preliminary.

* Five week month.

Source: United States Department of Agriculture, Agricultural Marketing Service, Cotton Division, Market News Branch; Weekly Cotton Market Review.

FERTILIZER AND MINERAL CONSUMPTION: Arizona, 1982-86

Fertilizer and minerals	1982	1983	1984	1985	1986
			Tons		
COMMERCIAL FERTILIZER					
Liquid commercial fertilizer	194,959	158,632	186,250	197,600	183,033
Mixed commercial fertilizer, dry	54,025	63,767	54,983	56,455	39,039
Urea	25,889	22,530	22,738	20,667	18,086
Ammonium nitrate	3,995	4,933	6,509	6,082	5,047
Ammonium sulfate	6,679	6,557	8,121	11,237	8,203
Superphosphate, treble	3,024	1,728	998	2,309	3,088
Potassium sulfate and/or chloride	270	346	494	565	421
Calcium nitrate	1,900	1,860	2,006	1,672	1,309
Miscellaneous, dry	1,477	834	16,686	8,955	16,180
TOTAL	292,218	261,187	298,785	305,542	274,406
AVAILABLE NITROGEN, PHOSPHOROUS AND POTASSIUM 1/					
N	95,380	78,148	85,591	89,597	84,552
P_2O_5	24,455	25,171	27,264	28,506	25,196
K_2O	960	1,485	952	2,308	1,487
TOTAL	120,795	104,804	113,807	120,411	111,235
AGRICULTURAL MINERALS					
Gypsum	33,973	45,762	40,213	17,576	25,874
Iron products	2,520	1,956	2,312	3,473	2,065
Sulfur products	1,653	1,084	1,303	1,972	1,248
Lime sulfur	854	606	758	509	270
Sulfuric acid	745	1,857	2,813	3,580	4,351
Micronutrients	630	917	1,393	807	1,618
TOTAL	40,375	52,182	48,792	27,917	35,426

1/ Amounts of nitrogen, phosphorous, and potassium available in the above commercial fertilizer totals.
Source: Arizona office of State Chemist.

PESTICIDE SALES: By type, Arizona, 1981-85

Pesticide type	1981	1982	1983	1984	1985
		1,000 lbs. technical material			
INSECTICIDES					
Acephate	58	216	46	40	36
Aldicarb	82	139	58	84	46
Chlordane	66	49	213	47	68
Chlordimeform	512	169	91	106	77
Dimethoate	104	183	140	198	84
Disulfoton	35	204	54	48	52
Endosulfan	81	93	90	105	16
Ethyl Parathion	129	131	18	78	53
Feeding Stimulants	175	234	10	10	28
Malathion	86	68	255	55	46
Methomyl	117	114	79	74	51
Methyl Parathion	547	415	216	532	238
Monocrotophos	219	83	43	90	55
Permethrin	231	145	61	47	64
Sulfur	11,606	1,758	620	1,322	1,066
Other	1,052	1,034	534	629	376
TOTAL	15,100	5,035	2,528	3,465	2,356
HERBICIDES					
DCPA	72	53	52	33	26
Dinoseb	110	80	85	112	77
EPTC	132	128	69	60	55
Glyphosate	165	117	116	157	93
MSMA	55	120	26	23	44
Pendimethalin	131	94	27	55	29
Prometryn	187	165	71	131	101
Simazine	17	6	101	22	14
Trifluralin	140	175	91	91	64
Other	398	276	175	217	165
TOTAL	1,407	1,214	813	901	668
FUNGICIDES, BACTERICIDES					
Copper Oxycloride Sulfate	14	26	21	11	5
Copper Sulfate	66	1	52	5	26
Mancozeb	--	--	24	24	111
Maneb	49	60	88	101	119
PCNB	13	174	49	15	233
Zinc Sulfate	13	67	25	--	6
Other	53	232	38	47	65
TOTAL	208	560	297	203	565
DEFOLIANTS, DESSICANTS, AND GROWTH REGULATORS					
Arsenic Acid	24	22	5	22	47
Cacodylic Acid	2	8	9	12	9
DEF	99	91	124	131	132
Ethephon	2	2	1	11	14
Paraquat	15	36	15	9	36
Sodium Chlorate	979	1,370	616	799	1,669
Other	118	82	12	16	18
TOTAL	1,239	1,611	782	1,000	1,925
FUMIGANTS					
D-D	300	721	201	214	--
Dichloropropene	284	299	128	244	27
Ethylene Dibromide	37	146	114	0	--
Methyl Bromide	12	2	4	6	1
Other	3	3	1	6	--
TOTAL	636	1,171	448	470	28

Source: University of Arizona, College of Agriculture, Council for Environmental Studies; Pesticide Sales Survey.

LAND OWNERSHIP AND ADMINISTRATION: Acres and percent of total, Arizona, by counties, 1986 1/

County	Forest Service	Bureau of Land Management	State of Arizona	Indian reservations	Individual or corporate 2/	Other public lands 3/	Total area 4/	Area of Land	Area of Water 5/
	1,000 acres								
Apache	485	128	723	4,677	1,014	154	7,181	7,175	6
Cochise	490	374	1,370	0	1,634	112	3,980	3,980	0
Coconino	3,264	605	1,129	5,355	732	862	11,947	11,909	38
Gila	1,704	65	30	1,144	124	6/	3,067	3,041	26
Graham	396	741	541	1,092	207	0	2,977	2,963	14
Greenlee	748	175	140	0	113	0	1,176	1,176	0
La Paz	0	1,702	171	226	237	553	2,889	2,870	19
Maricopa	659	1,684	630	269	1,771	891	5,904	5,841	63
Mohave	5	5,003	622	543	1,032	1,417	8,622	8,503	119
Navajo	488	86	372	3,464	1,964	6/	6,374	6,371	3
Pima	433	358	937	2,490	765	897	5,880	5,880	0
Pinal	220	315	1,219	770	915	0	3,439	3,420	19
Santa Cruz	419	0	61	0	312	0	792	792	0
Yavapai	1,963	464	1,389	4	1,381	6/	5,201	5,198	3
Yuma	0	465	253	8	418	2,387	3,531	3,526	5
Total	11,274	12,165	9,587	20,042	12,619	7,273	72,960	72,645	315

County	Forest Service	Bureau of Land Management	State of Arizona	Indian reservations	Individual or corporate 2/	Other public lands 3/
	Percent of total area					
Apache	7	2	10	65	14	2
Cochise	12	9	35	0	41	3
Coconino	27	5	10	45	6	7
Gila	56	2	1	37	4	6/
Graham	13	25	18	37	7	0
Greenlee	64	15	12	0	9	0
La Paz	0	59	6	8	8	19
Maricopa	11	29	11	4	30	15
Mohave	6/	58	7	6	12	17
Navajo	8	1	6	54	31	6/
Pima	8	6	16	42	13	15
Pinal	6	9	36	22	27	0
Santa Cruz	53	0	8	0	39	0
Yavapai	38	9	27	6/	26	6/
Yuma	0	13	7	6/	12	68
Total	15	17	13	28	17	10

1/ Reference dates: Forest Service, September 30, 1986; Bureau of Land Management, October 1, 1986; State, December 1, 1986; and Bureau of Indian Affairs, October 1, 1985.

2/ Derived as residual.

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

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

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

6/ Less than 0.5 percent.

GRAZING FEES: 1983-87

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. Permittees and lessees are charged for the grazing use according to the number of animal unit months (AUM's) of forage they are authorized to use. An animal unit is considered to be one mature cow or equivalent.

Fees for grazing on federal public lands have been determined by a formula established in the Public Rangelands Improvement Act of 1978 (PRIA) for the years 1979-1985. Executive Order 12548 of February 14, 1986 directed a continuation of the PRIA formula until Congress enacts new legislation regarding fee schedules. Additionally, the Executive Order stipulated that the fee shall be not less than $1.35 per AUM.

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. That formula continued in effect for 1987.

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.

Individual agencies should be contacted regarding the administration of public lands.

PUBLIC LAND GRAZING FEE FORMULATION

Grazing fee components	Unit	Base year 1964-68	Grazing fee year				
			1983	1984	1985	1986	1987
Grazing Rates on Private Land Per AUM 1/	Dollars	3.65	8.36	8.85	8.86	8.40	8.10
Forage Value Index (FVI) 2/		100	229	242	243	230	222
Average Price Received for Beef Cattle per Cwt. 3/	Dollars	22.04	57.70	56.40	57.80	53.70	51.80
Beef Cattle Price Index (BCPI) 4/		100	262	256	262	244	235
Prices Paid Index (PPI) 5/		100	378	387	395	397	388
Federal Grazing Fee 6/	Dollars	(1.23)	1.40	1.37	1.35	7/ 1.35	7/ 1.35
State Grazing Fee 6/	Dollars	(.95)	1.07	1.05	1.05	.73	.66

1/ Privately-owned, non-irrigated land in eleven western states: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming. An animal unit month (AUM) is the grazing of one cow, one horse or five sheep for one 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. 1985, for example = $1.23 (243 + 262 - 395) ÷ 100 = $1.35 (federal); $.95 (243 + 262 - 395) ÷ 100 = $1.05 (state).
7/ Minimum fee established by Executive Order.

FEED: Prices paid by farmers, Arizona, 1982-86

YEAR	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						BRAN Dollars Per Cwt.						
1982	16.00	14.00	13.00	12.00	12.00	12.50	13.00	13.00	12.00	13.00	12.00	12.50
1983	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	13.00	13.50	13.00
1984	12.50	13.50	13.00	12.50	13.50	12.50	13.00	13.00	12.00	12.00	12.00	12.50
1985	12.50	13.00	12.50	13.50	13.00	13.50	12.00	12.00	12.00	12.00	12.50	12.00
1986	12.50	12.50	Discontinued									
						COTTONSEED MEAL 41% Dollars Per Cwt.						
1982	8.00	8.40	8.40	8.50	8.20	8.30	7.50	6.80	6.50	5.80	6.60	6.80
1983	7.60	7.70	8.10	8.90	9.30	9.40	9.20	9.80	9.90	9.90	10.50	10.50
1984	11.50	10.50	10.00	10.00	9.00	8.20	8.20	7.50	6.70	6.00	5.90	5.90
1985	6.40	6.90	7.30	8.30	8.90	9.50	10.50	9.90	9.00	9.50	10.00	10.50
1986	11.00	11.00	Discontinued									
						SOYBEAN MEAL 44% Dollars Per Cwt.						
1982	20.00	20.00	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.00	20.00
1983	20.00	20.00	21.00	20.00	21.00	20.50	20.00	20.50	20.50	21.00	21.50	23.00
1984	22.50	22.00	22.50	22.50	20.50	18.50	18.50	18.50	20.00	20.00	20.00	20.00
1985	19.00	20.00	19.50	19.50	20.00	20.50	18.50	18.00	17.00	18.00	18.00	18.00
1986	17.00	16.00	Discontinued									
						DAIRY FEED 14% Dollars Per Ton						
1982	165.00	161.00	163.00	161.00	162.00	161.00	164.00	163.00	163.00	162.00	159.00	162.00
1983	165.00	165.00	175.00	184.00	192.00	191.00	191.00	191.00	194.00	196.00	205.00	210.00
1984	190.00	185.00	195.00	195.00	195.00	187.00	195.00	194.00	187.00	185.00	188.00	183.00
1985	168.00	188.00	179.00	178.00	191.00	197.00	175.00	162.00	163.00	156.00	158.00	159.00
1986	168.00	160.00	Discontinued									
						LAYING FEED Dollars Per Ton						
1982	215.00	215.00	220.00	225.00	225.00	225.00	240.00	245.00	245.00	260.00	250.00	250.00
1983	250.00	250.00	260.00	265.00	270.00	270.00	265.00	275.00	270.00	270.00	275.00	275.00
1984	250.00	240.00	265.00	275.00	275.00	275.00	275.00	275.00	255.00	235.00	235.00	250.00
1985	225.00	230.00	220.00	200.00	220.00	230.00	200.00	183.00	182.00	197.00	186.00	180.00
1986	180.00	180.00	Discontinued									
						LIQUID MOLASSES Dollars Per Cwt.						
1982	6.50	6.00	5.50	5.20	5.10	4.95	4.90	4.60	4.30	4.45	4.15	4.30
1983	4.50	4.70	6.30	7.30	8.10	8.10	8.60	9.10	10.00	11.00	11.00	11.00
1984	11.00	11.00	11.00	11.00	12.00	11.00	11.00	10.50	9.50	8.60	8.50	8.00
1985	7.20	7.00	7.40	8.00	8.00	7.80	7.00	7.00	7.00	7.00	7.10	7.30
1986	7.30	7.00	Discontinued									
						STOCK SALT Dollars Per Cwt.						
1982	4.40	4.70	4.40	4.50	5.10	5.00	5.50	5.10	4.75	5.20	5.00	5.20
1983	5.40	5.10	5.60	5.60	5.60	5.60	6.00	5.80	5.60	5.50	5.50	5.50
1984	5.50	6.00	6.40	6.70	6.80	6.60	6.60	7.20	6.80	6.10	6.70	6.40
1985	7.00	7.10	7.10	6.60	6.70	7.00	6.90	7.20	7.00	7.50	7.00	7.60
1986	7.90	7.50	Discontinued									

FARM ELECTRICITY AND TELEPHONE USAGE AND CHARGES: Arizona, 1982-86 1/

Year	Electricity			Telephone	
	Average monthly kilowatt-hours used	Average monthly bill	Cost per kilowatt-hour	Average monthly local bill	Average monthly total bill
	KWH	Dollars	Cents	Dollars	Dollars
1982	3,000	222.00	7.40	19.00	60.00
1983	2,600	190.00	7.30	21.50	66.50
1984	3,300	257.00	7.80	21.70	88.80
1985	3,400	282.00	8.30	25.50	83.00
1986	Discontinued				

1/ Based on an annual survey conducted in July and August. Data reflects most recent bill, usually June or July; all types of farms included.

MOTOR FUELS: Prices paid by farmers, Arizona, 1982-86

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Dollars per gallon						
						DIESEL FUEL						
1982	1.24	1.25	1.17	1.06	1.05	1.06	1.07	1.10	1.07	1.06	1.11	1.12
1983	1.09	1.03	.96	.96	.95	.98	.99	1.00	.99	1.00	.99	.98
1984	.97	.97	.98	1.01	1.00	1.00	.95	.95	.94	.94	.96	.95
1985	.96	.98	1.01	1.08	1.09	1.04	1.01	.94	.90	.95	.96	.97
1986	1.01	.94	Discontinued									
						GASOLINE, REGULAR, BULK DELIVERY						
1982	1.27	1.24	1.19	1.12	1.13	1.20	1.24	1.24	1.21	1.22	1.17	1.13
1983	1.10	1.07	.99	1.05	1.10	1.16	1.17	1.19	1.16	1.10	1.13	1.10
1984	1.15	1.09	1.11	1.17	1.18	1.18	1.13	1.10	1.08	1.13	1.12	1.11
1985	1.10	1.10	1.13	1.18	1.23	1.25	1.22	1.13	1.12	1.15	1.11	1.12
1986	1.12	1.09	Discontinued									
						GASOLINE, UNLEADED, SERVICE STATION						
1982	1.39	1.38	1.31	1.26	1.26	1.29	1.35	1.34	1.33	1.32	1.31	1.29
1983	1.24	1.18	1.12	1.16	1.18	1.22	1.25	1.25	1.26	1.24	1.21	1.22
1984	1.25	1.24	1.20	1.25	1.29	1.27	1.23	1.23	1.22	1.21	1.22	1.22
1985	1.21	1.21	1.19	1.29	1.32	1.31	1.30	1.26	1.23	1.25	1.19	1.21
1986	1.25	1.22	Discontinued									

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, Yuma, La Paz, Pinal
BARLEY	Nov. 5 - Feb. 10	May 15	June 1 - June 15	July 10	Maricopa, Pinal, Graham
CORN FOR GRAIN	Apr. 1 - June 1	Sept. 15	Oct. 1 - Nov. 1	Dec. 1	Cochise, Graham, Apache, Navajo
ALL COTTON	Mar. 15 - May 15	Sept. 15	Oct. 20 - Dec. 15	Feb. 1	Maricopa, Pinal, Yuma, La Paz, Graham, Cochise, Pima
SORGHUM GRAIN	Apr. 1 - July 1	Sept. 10	Oct. 1 - Oct. 30	Dec. 15	Maricopa, Yuma, Graham, Pinal
ALL WHEAT	Nov. 5 - Feb. 10	May 15	June 1 - June 30	July 15	Yuma, Maricopa, Pinal, La Paz
VEGETABLES, MELONS, AND POTATOES					
BROCCOLI	Aug. 15 - Oct. 15	Nov. 1	Dec. 1 - Feb. 28	Mar. 20	Yuma, Maricopa
CANTALOUPS					
Summer	Feb. 15 - Apr. 15	May 25	June 10 - July 10	July 31	Maricopa, La Paz
Fall	July 15 - Sept. 10	Sept. 20	Oct. 1 - Nov. 1	Nov. 20	Maricopa, La Paz
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. 1 - Apr. 15	June 15	July 1 - July 15	Aug. 1	La Paz, Maricopa
Fall	July 15 - Sept. 15	Sept. 15	Oct. 15 - Nov. 1	Nov. 25	Maricopa
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	Maricopa, Cochise, Pima
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	Nov. 20	Maricopa, Pinal, Yuma,
SPRING POTATOES	Jan. 1 - Mar. 1	Apr. 25	May 15 - June 15	Aug. 15	Maricopa
CITRUS					
GRAPEFRUIT		Oct. 1	Nov. 15 - June 1	July 20	Maricopa, Yuma
LEMONS		Aug. 1	Sept. 20 - Feb. 15	Mar. 31	Yuma, Maricopa
NAVEL ORANGES		Nov. 1	Nov. 20 - Jan. 15	Feb. 1	Maricopa, Yuma
VALENCIA ORANGES		Feb. 15	Mar. 1 - May 1	June 30	Yuma, Maricopa
TANGERINES		Nov. 1	Dec. 1 - Feb. 1	Mar. 1	Yuma, Maricopa

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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	1/ 800	28,500	151,400	3,600	0	13,000	106,700	0	0	1/29,650
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	*	2/ 1,100	2/ 400	*	2/ 2,400	*	7,100	12,800	2/1,400	2/ 700	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	21,000	4,400	6,700	400	*	3,600	*	500	1,200	0	2,200	*	*	*	700	500
Production, tons	61,740															
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	3/ *
Production, cwt.	1,450,000															
Principal vegetables: Acres	73,100	0	2,990	0	0	0	0	10,790	18,250	170	0	575	1,955	0	0	38,370
Production, cwt.	17,077,000															
Grapes: Acres	5,070	0	*	0	0	0	0	0	*	0	0	0	*	*	0	983
Production, tons	18,500															
Grapefruit: Acres	7,100	0	0	0	0	0	0	0	4,750	0	0	0	3/ *	0	0	2,350
Production, ctns.	6,000,000															
All oranges: Acres	10,900	0	0	0	0	0	0	0	6,660	0	0	0	3/ *	0	0	4,240
Production, ctns.	4,900,000															
Lemons: Acres	17,000	0	0	0	0	0	0	0	1,870	0	0	0	3/ *	0	0	15,130
Production, ctns.	12,000,000															
Tangerines: Acres	3,400	0	0	0	0	0	0	0	2,000	0	0	0	3/ *	0	0	1,400
Production, ctns	1,400,000															
Other crops: Acres 4/	56,375															
Total acres harvested 5/	972,045															

1/ All cotton.
2/ All wheat.
3/ Included with Maricopa County.
4/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above.
5/ Includes double crop acreage.
* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.

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

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	*	1/ 700	*	0	900	1/ 600	8,000	12,200	*	1/ 600	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	24,000	4,200	7,500	400	*	4,400	300	1,000	1,000	0	2,800	0	*	*	1,000	1,200
Production, tons	73,920															
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	2/ *	0	0	0	0	400
Production, cwt.	1,298,000															
Principal vegetables: Acres	70,000	0	2,310	0	0	0	0	5,080	19,490	0	0	1,050	2,440	0	0	39,630
Production, cwt.	16,054,000															
Grapes: Acres	6,328	0	*	0	0	0	0	0	*	0	0	0	*	*	0	1,195
Production, tons	23,000															
Grapefruit: Acres	7,100	0	0	0	0	0	0	0	4,750	0	0	0	3/ *	0	0	2,350
Production, ctns.	4,800,000															
All oranges: Acres	10,900	0	0	0	0	0	0	0	6,310	0	0	0	3/ *	0	0	4,590
Production, ctns.	4,600,000															
Lemons: Acres	16,500	0	0	0	0	0	0	0	2,000	0	0	0	3/ *	0	0	14,500
Production, ctns.	6,500,000															
Tangerines: Acres	3,400	0	0	0	0	0	0	0	2,000	0	0	0	3/ *	0	0	1,400
Production, ctns.	1,400,000															
Other crops: Acres 4/	71,938															
Total acres harvested 5/	852,866															

1/ All wheat.
2/ Included with Cochise County.
3/ Included with Maricopa County.
4/ Includes miscellaneous fruits, nuts, vegetables, and field crops not listed above.
5/ Includes double crop acreage.
* Acres harvested too small to warrant quantitative estimate or not published to avoid disclosing individual operations.