

Fruit

Warm weather in March and April caused fruit trees to come out of dormancy early only to be followed by a cold wet May that set many fruit crops up for a late frost and disease. Fire blight killed thousands of apple trees in southwestern Michigan. Trees that were not killed had lower yields due to the bacterial epidemic. In northwestern Michigan, spring frosts sharply cut production. The apple crop in the Ridge (Grand Rapids area) was very good. Tart and sweet cherry set was light to moderate due to an early bloom that was limited to two to three days. Cool to moderate temperatures and sufficient moisture during May and early June caused a lighter than usual drop. Blueberry yields were also reduced by a late spring frost. Southwestern peach crop suffered from four days of heavy rains which delayed harvest, causing peaches to rot on trees. Hail damage was also significant. Excessive rain earlier had already caused softness in the fruit and rapid ripening shortened the season, diminishing fresh market prices. The West Central clingstone crop yield was excellent due to timely rains. Although brown rot was a problem here also, the quality was very good. The quality of the grape crop was generally good. The cool weather late in the growing season delayed ripening. Sugar content was down from previous year. Hail diminished the quality and price of fresh market plums in southwestern Michigan. Yields of Stanley plums for processing in northern Michigan were good; quality and yields of Damsons were excellent.

Apple production was 850 million pounds, down from 1.2

billion pounds in 1999. The farm-level value of the crop was 75.9 million dollars, down 27 percent from 1999. The yield estimate was 17,300 pounds per acre. Michigan was third among states in apple output. Washington, New York and California orchardists produced 5.9 billion, 995 million, and 650 million pounds of apples, respectively.

Tart cherry production was 200 million pounds, 71 percent of the national total. The yield in Michigan was 7,020 pounds per bearing acre, up from 6,580 pounds in 1999. Sweet cherry production fell 27 percent from 1999 to 19,600 tons; Washington, Oregon, and California produced 95,000, 37,000, and 47,000 tons, respectively.

Michigan's cultivated blueberry production was 62 million pounds, about one-third of the U.S. total. The farm-level value was over 55 million dollars. Sixty-nine percent of Michigan's blueberries were frozen or canned. New Jersey growers produced 34 million pounds. Strawberry production in Michigan was 9.0 million pounds, the same as in 1999.

Peach production rebounded to 47.5 million pounds in 2000 from 23 million pounds a year earlier. Pear output rose slightly to 5,200 tons from 5,000 tons in 1999. Plum output fell to 3,600 tons from 4,000 tons in 1999.

Grapes production reached a record high 87,200 tons, up from 74,900 tons in 1999. There were 64,500 tons of Concord and 19,100 tons of Niagaras processed. Grapes processed for wine rose fell 2,900 tons in 1999 to 3,100 tons in 2000.

Fruit: Record highs and lows

Crop	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Apples	Million pounds	1,200	1999	53	1945	1889
Blueberries	Million pounds	87	1993	34	1992	1992
Cherries, sweet	Tons	37,500	1978	500	1945	1925
Cherries, tart	Million pounds	380	1964	18	1927	1925
Grapes	Tons	87,200	2000	4,200	1889	1889
Peaches	Million pounds	245	1946	7	1918	1889
Pears	Tons	48,600	1964	2,425	1890	1889
Prunes and plums	Tons	25,000	1971	1,700	1945	1919
Strawberries	1,000 cwt	451	1940	60	1996	1928

Fruit: Acres harvested and value of production, 1996-2000

Item	Unit	1996	1997	1998	1999	2000
Acres harvested	1,000 acres	128	127	127	124	122
Value of production	1,000 dollars	201,979	244,732	205,010	249,791	226,609

Fruit: Acres, production, and value, 1996-2000

Fruit and Year	Bearing acres	Yield	Production		Price	Value of production
			Total	Utilized		
	<i>Acres</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>
Apples						
1996	54,000	13,000	700	700	0.126	88,125
1997	54,000	18,500	1,000	1,000	0.098	98,200
1998	54,000	18,500	1,000	960	0.087	83,200
1999	52,000	23,100	1,200	1,180	0.088	103,465
2000	49,000	17,300	850	845	0.090	75,953
Blueberries ¹						
1996	16,500	2,550	42	42	0.865	36,330
1997	16,500	4,360	72	72	0.695	50,042
1998	16,400	2,990	49	49	0.618	30,260
1999	16,600	4,220	70	70	0.781	54,660
2000	16,700	3,710	62	62	0.889	55,140
Cherries, tart						
1996	29,100	6,700	195	195	0.160	31,202
1997	28,400	7,920	225	221	0.156	34,380
1998	28,400	9,260	263	229	0.140	32,162
1999	28,100	6,580	185	185	0.228	42,134
2000	28,500	7,020	200	200	0.182	36,370
Peaches						
1996	5,300	7,170	38.0	38.0	0.270	10,250
1997	5,000	11,000	55.0	55.0	0.263	14,450
1998	5,000	8,600	43.0	42.5	0.272	11,546
1999	4,600	5,000	23.0	23.0	0.237	5,440
2000	4,800	9,900	47.5	45.5	0.249	11,340
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
Cherries, sweet						
1996	7,700	2.86	22,000	22,000	709	15,607
1997	7,800	3.46	27,000	27,000	740	19,986
1998	7,900	4.43	35,000	33,000	562	18,551
1999	7,700	3.51	27,000	26,500	534	14,149
2000	7,600	2.58	19,600	19,600	486	9,520
Grapes						
1996	11,900	5.46	65,000	59,500	228	13,555
1997	12,300	4.96	61,000	61,000	293	17,873
1998	12,300	5.72	70,400	70,400	282	19,820
1999	11,700	6.40	74,900	74,900	281	21,083
2000	12,500	6.98	87,200	87,200	277	24,156
Pears						
1996	1,000	6.00	6,000	6,000	260	1,560
1997	900	4.44	4,000	4,000	250	1,000
1998	900	5.60	5,040	4,800	271	1,302
1999	850	5.88	5,000	4,900	265	1,300
2000	800	6.50	5,200	5,200	270	1,402
Plums						
1996	1,300	1.92	2,500	2,500	335	838
1997	1,150	3.48	4,000	4,000	348	1,390
1998	1,100	3.27	3,600	3,600	300	1,080
1999	900	4.44	4,000	3,750	299	1,120
2000	800	4.50	3,600	3,300	261	861

¹ Harvested acres.

Apples: Stocks in cold and controlled atmosphere storage ¹

Month	Crop year				
	1996	1997	1998	1999	2000
	<i>1,000 pounds</i>				
October	334,000	444,738		525,756	416,923
November	311,766	459,102	405,993	534,061	343,731
December	256,222	365,106	347,729	382,346	294,088
January	188,370	289,519	241,038	357,336	238,013
February	122,010	201,020	177,725	264,771	215,482
March	67,200	118,194	101,682	193,012	160,481
April	33,432	72,368	58,357	127,684	74,928

¹ End-of-month stocks.

Apples: Utilization and price, 1996-2000

Year	Fresh market		Processing		Total	
	Quantity	Price per lb	Quantity	Price per lb	Quantity	Price per lb
	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>
1996	225	0.170	475	0.105	700	0.126
1997	300	0.150	700	0.076	1,000	0.098
1998	320	0.140	640	0.060	960	0.087
1999	370	0.145	810	0.062	1,180	0.088
2000	260	0.147	585	0.064	845	0.090

Apples, processing: Utilization and price, 1996-2000

Year	Canned		Frozen		Juice and cider		Other	
	Quantity	Price per lb	Quantity	Price per lb	Quantity per lb	Price	Quantity	Price
	<i>Million pounds</i>	<i>Dollars</i>						
1996	200	0.110	125	0.125	140	0.080	10	0.085
1997	265	0.090	160	0.096	270	0.052	5	0.060
1998	230	0.073	100	0.086	300	0.041	10	0.050
1999	255	0.072	160	0.082	380	0.045	15	0.060
2000	175	0.080	120	0.085	280	0.045	10	0.080

Blueberries: Utilization and price, 1996-2000

Year	Production		Fresh market		Processed	
	Total	Utilized	Quantity	Price per pound	Quantity	Price per pound
	<i>Million lbs</i>	<i>Million lbs</i>	<i>Million lbs</i>	<i>Dollars</i>	<i>Million lbs</i>	<i>Dollars</i>
1996	42	42	15	1.000	27	0.790
1997	72	72	19	0.988	53	0.590
1998	49	49	16	0.860	33	0.500
1999	70	70	18	1.130	52	0.660
2000	62	62	19	1.250	43	0.730

Cherries, sweet: Production and utilization, 1996-2000

Year	Total production	Utilized production			
		Fresh	Canned	Brined	Other ¹
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1996	22,000	500	1,200	16,800	3,500
1997	27,000	500	800	21,500	4,200
1998	35,000	700	4,700	24,500	3,100
1999	27,000	950	3,900	19,300	2,350
2000	19,600	600	3,000	14,650	1,350

¹ Frozen, juice, etc.

Cherries, tart: Utilization, 1996-2000

Year	Production		Fresh market	Processed		
	Total	Utilized		Canned	Frozen	Other
	<i>Million pounds</i>					
1996	195	195	1	55	135	4
1997	225	221	1	70	145	5
1998	263	229	1	65	150	13
1999	185	185	1	69	100	15
2000	200	200	1	80	110	9

Cherries, tart: Production by region, 1996-2000

Region	1996	1997	1998	1999	2000
	<i>Million pounds</i>				
Northwest	140	140	186	108	109
West Central	35	70	59	48	71
Southwest and other	20	15	18	29	20
Michigan	195	225	263	185	200

Cherries, tart, frozen: Stocks in cold storage, 1997-2000, crop years

Month	East North Central region ¹				48 States total ²			
	1997	1998	1999	2000	1997	1998	1999	2000
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
July	83,634	144,388	141,216	135,748	105,283	169,624	162,135	16,600
August	170,555	139,644	131,875	133,294	194,571	165,591	156,754	160,497
September	144,201	133,436	126,300	115,570	168,173	157,631	149,070	141,514
October	133,493	121,605	114,435	110,116	154,891	143,413	136,220	133,210
November	129,212	112,595	105,799	101,551	148,945	133,236	125,343	122,339
December	118,540	100,308	98,574	95,628	136,297	122,205	116,364	115,042
January	109,747	89,465	88,934	90,593	127,244	108,846	105,384	107,738
February	92,744	82,191	82,887	83,994	106,880	100,498	97,224	98,810
March	80,498	73,785	72,641	75,583	93,271	90,498	84,957	88,595
April	66,823	65,852	67,478	68,465	78,377	79,947	78,475	78,721
May	57,279	58,847	57,753	58,504	67,565	70,786	66,628	66,088
June	53,753	49,763	58,553	50,728	62,012	58,361	61,412	56,785

¹ Illinois, Indiana, Michigan, Ohio, and Wisconsin.

² Excluding Alaska and Hawaii.

Grapes: Utilization, 1996-2000

Year	Fresh market utilization	Processed utilization		Utilized production
		Juice	Wine	
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
1996	400	57,500	1,600	59,500
1997	200	58,200	2,600	61,000
1998	400	67,500	2,500	70,400
1999	500	71,500	2,900	74,900
2000	500	83,600	3,100	87,200

Grapes: Processed by variety, 1996-2000

Year	Concord	Niagara	Other
1996	47,500	10,000	1,600
1997	45,200	13,400	2,200
1998	53,800	13,700	2,500
1999	57,300	14,400	2,700
2000	64,500	19,100	3,100

Peaches: Production, utilization and value, 1998-2000

Year	Fresh Market			Processing		
	Production	Price per pound	Value of production	Production	Price per ton	Value of production
	<i>Million lbs</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Million lbs</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1998	31.5	0.315	9,923	11.0	295	1,623
1999	11.0	0.320	3,520	12.0	320	1,920
2000	29.5	0.280	8,260	16.0	385	3,080

Plums: Utilization and value, 1996-2000

Year	Fresh Market			Processing		
	Production	Price per pound ¹	Value of production ¹	Production	Price per ton ¹	Value of production ¹
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1996	1,250			1,250		
1997	1,500			2,500		
1998	1,200	390	468	2,400	255	612
1999	1,100	440	484	2,650	240	636
2000	1,250	270	338	2,050	255	523

¹ Not available prior to 1998.

Strawberries: Acres, production, price, and value, 1996-2000

Year	Total	Harvested	Yield	Production	Price per cwt	Value of production
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1996	1,700	1,500	40	60	75.20	4,512
1997	1,600	1,500	65	98	75.60	7,411
1998	1,500	1,400	68	95	74.60	7,089
1999	1,400	1,400	64	90	71.20	6,412
2000	1,400	1,300	69	90	74.60	6,712

Strawberries: Utilization and value, 1996-2000

Year	Fresh Market			Processing		
	Price Production	per cwt	Value of production	Production	Price per cwt	Value of production
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1996	56	78.00	4,368	4	36.00	144
1997	87	80.00	6,960	11	41.00	451
1998	82	79.00	6,478	13	47.00	611
1999	71	78.00	5,538	19	46.00	874
2000	73	81.00	5,913	17	47.00	799