

# Crops

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## FIELD CROPS

The 2004 crop year got off to a slow start due to extremely wet field conditions during the planting season. This was the fourth time in the last five years that New York farmers had difficulty getting their crops in the ground. Once again, many thousands of acres went unplanted or were planted to alternative crops to make up for projected forage deficiencies. Wet weather continued throughout most of the summer, making haying activities difficult but providing ample moisture for crops such as corn, soybeans, potatoes, and dry beans.

### Grain Corn

New York production is estimated at 61.0 million bushels, up 15 percent from 2003. Area for harvest totaled 500,000 acres, up 14 percent from a year ago. Yields averaged a record high 122 bushels per acre, up 1 bushel from last year. Production was valued at \$146 million, down 3 percent from 2003.

### Silage Corn

Corn cut for silage totaled 7.99 million tons, a decrease of 17 percent from the previous year's production. Acres harvested for silage totaled 470,000 acres, down 15 percent from a year earlier. Yields are estimated at high 17.0 tons per acre, down 0.5 tons from 2003. Value of production totaled \$208 million, down 17 percent from last year.

### Soybeans

The 2004 soybean crop was estimated at a record high 6.71 million bushels, 39 percent above last year's production. Area harvested, also a record high at 172,000 acres, was up 25 percent from a year ago. Yields averaged 39 bushels per acre, the second highest yield on record. The value of the 2004 soybean crop was set at \$34.5 million, down 8 percent from a year ago.

### Wheat

Production totaled 5.30 million bushels, down 17 percent from the previous year. Harvested acreage, at 100,000 acres, was down 16 percent from 2003. Wheat yields averaged 53 bushels per acre, the same as a year ago. The crop was valued at \$13.8 million, down 11 percent from a year ago.

### Oats

Production, at 3.25 million bushels, was a record low and was down 26 percent from the previous year. Area harvested, at 50,000 acres, also a record low was down 29 percent from last year. The average yield, at 65 bushels per acre, was up 2 bushels from last year. Production was valued at \$5.53 million, down 31 percent from 2003.

### Barley

Production of barley in New York totaled 530,000 bushels, down 18 percent from a year earlier. Acreage harvested for grain totaled 10,000 acres, down 3,000 acres from 2003. The average yield per acre, at 53 bushels, was up 3 bushels from last year. Production was valued at \$1.03 million, down 24 percent from the 2003 value.

### All Dry Hay

Production was placed at a new record low 2.92 million tons, down 21 percent from last year's 3.68 million tons. Acreage harvested for dry hay during 2004 decreased 69 percent to a new record low 1.27 million acres. Yield, at 2.30 tons per acre, was 16 percent above a year ago. Value of production, at \$327 million, was down 21 percent from a year ago.

### Alfalfa Dry Hay

New York production of alfalfa dry hay was estimated at 1.32 million tons, down 21 percent from last year's crop of 1.68 million tons. Area harvested, at 470,000 acres, was 22 percent below last year. Yields averaged 2.80 tons per acre, the same as 2003. Production was valued at \$183 million, down 18 percent from 2003.

### Potatoes

Production totaled a record low 5.18 million hundredweight (cwt.), down 20 percent from the 6.51 million cwt. produced in 2003. Harvested acreage totaled 19,200 acres, down 2,500 acres from last year and a new record low. Yields averaged 270 cwt. per acre, down 30 cwt. from a year ago. Value of production, at \$41.7 million, was down 34 percent from 2003.

### Dry Beans

Production totaled 247,000 cwt., down 45 percent from 2003. Acres harvested totaled 23,500 acres, down 500 acres from a year earlier. The average yield, at 1,050 pounds per acre, was down 810 cwt. from last year. The 2004 crop was valued at \$6.99 million, down 31 percent from 2003.

## 2004 CROP SUMMARY

### April

Field work was off to a slow start due to wet fields, but drying weather during mid-month encouraged planting. Oats seeding and corn planting got underway. Potato planting was started. Spring pruning was in full swing in the apple orchards. Warmer weather and winds at the end of the month enabled pastures to start greening up.

### May

Fieldwork was hampered by wetness early in the month. Grapes were budding despite winter damage. Corn planting was two-thirds complete, soybeans were one-quarter complete, potatoes were two-thirds complete and oats seeding neared completion. Vegetable planting was nearly one-half complete. Soil moisture averaged adequate to surplus.

### June

Potato planting was nearly complete at the beginning of the month. Corn plantings were three-quarters complete. Alfalfa first cutting reached completion. Dry bean planting stood at two thirds complete. Grapes were in bloom throughout the Lake Erie grape belt. Strawberry harvest began.

### July

Warm weather and ample moisture enabled fieldwork. Corn and Soybean planting was complete. The second cutting of alfalfa was underway, despite frequent rains that hindered progress. Summer squash, broccoli, lettuce, beets and onions were harvested and sent to market. Punctuated by sporadic rains, variable pasture conditions were reported.



### August

Rain and high humidity early in the month gave way to cooler temperatures. Beets and potatoes were being harvested. Corn varied greatly. Oats, though slow to mature, were 75 percent harvested. Winter wheat harvest was complete. Potato digging was active. Rain drove the hay harvest farther behind. The second cutting of alfalfa was 80 percent complete.

### September

Dry and sunny weather marked the beginning of the month. Remnants of hurricanes Frances and Ivan during mid-month brought heavy rain to much of the region. The wet fields and rains slowed onion harvest and adversely affected early grape harvest. Dry hay was suffering from the wetness. By month's end, warmer temperatures coupled with limited precipitation made for overall improvements in pasture quality. Apples were 45 percent harvested. Potato digging was 98 percent complete. Dry beans were 10 percent harvested. Corn silage harvest was underway.

### October

October brought cool dry weather. Corn silage harvest was nearly complete during the month and grain harvest picked up momentum. Dry bean and soybean harvest was well underway. Fall tillage ensued after most areas experienced a killing frost. Apple picking remained very active. Grape harvest on Long Island was at peak. Cabbage, pumpkin, and squash harvesting neared completion.

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1995-2004

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars per bu.</i>	<i>1,000 dollars</i>
<b>WHEAT</b>						
1995	130	125	55.0	6,875	4.20	28,875
1996	160	150	43.0	6,450	4.15	26,768
1997	135	130	56.0	7,280	3.35	24,388
1998	140	130	54.0	7,020	2.13	14,953
1999	130	125	65.0	8,125	2.05	16,656
2000	150	140	53.0	7,420	1.94	14,395
2001	125	120	53.0	6,360	2.64	16,790
2002	120	118	58.0	6,844	3.28	22,448
2003	130	120	53.0	6,360	2.43	15,455
2004	105	100	53.0	5,300	2.60	13,780
<b>OATS</b>						
1995	110	90	58.0	5,220	1.65	8,762
1996	85	70	55.0	3,850	2.10	8,085
1997	100	90	65.0	5,850	1.70	9,945
1998	115	105	62.0	6,510	1.41	9,179
1999	100	70	68.0	4,760	1.45	6,902
2000	80	60	65.0	3,900	1.40	5,460
2001	95	80	69.0	5,520	1.62	8,942
2002	75	65	64.0	4,160	1.92	7,987
2003	85	70	63.0	4,410	1.81	7,982
2004	65	50	65.0	3,250	1.70	5,525
<b>RYE</b>						
1995	42	9	35.0	315	2.25	709
1996	49	8	28.0	224	3.00	672
1997	40	7	33.0	231	2.10	485
1998	50	15	35.0	525	2.00	1,050
1999	45	15	38.0	570	1.50	855
2000	40	7	40.0	280	2.00	560
2001	35	7	27.0	189	2.00	378
2002	40	10	32.0	320	2.00	640
2003	35	8	33.0	264	2.00	528
2004	30	9	43.0	387	2.00	774
<b>BARLEY</b>						
1995	12	10	65.0	650	1.80	1,170
1996	16	12	54.0	648	3.05	1,976
1997	16	13	54.0	702	2.00	1,404
1998	18	16	50.0	800	1.30	1,040
1999	19	17	57.0	969	1.35	1,308
2000	12	10	58.0	580	1.65	957
2001	15	12	51.0	612	1.60	979
2002	11	10	47.0	470	1.96	921
2003	15	13	50.0	650	2.09	1,359
2004	14	10	53.0	530	1.95	1,034

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1995-2004 (Continued)

Crop and Year	Planted <sup>1/</sup>	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dollars per bu.</u>	<u>1,000 dollars</u>
<b>SOYBEANS</b>						
1995	66	63	38.0	2,394	6.20	14,843
1996	76	75	35.0	2,625	6.35	16,669
1997	105	102	37.0	3,774	6.00	22,644
1998	100	97	41.0	3,977	5.10	20,283
1999	130	128	37.0	4,736	4.20	19,891
2000	135	132	33.0	4,356	4.55	19,820
2001	160	158	33.0	5,214	4.55	23,724
2002	145	144	32.0	4,608	5.85	26,957
2003	140	138	35.0	4,830	7.80	33,810
2004	175	172	39.0	6,708	5.15	34,546
<b>CORN FOR GRAIN</b>						
1995	1,130	620	105.0	65,100	3.85	246,593
1996	1,150	630	103.0	64,890	2.98	193,372
1997	1,170	600	110.0	66,000	2.62	172,920
1998	1,130	580	114.0	66,120	2.21	146,125
1999	1,150	590	101.0	59,590	2.24	133,482
2000	980	450	98.0	44,100	2.35	103,635
2001	1,030	540	105.0	56,700	2.51	142,317
2002	1,020	460	97.0	44,620	2.87	128,059
2003	1,000	440	121.0	53,240	2.82	150,137
2004	980	500	122.0	61,000	2.40	146,400
<b>CORN SILAGE</b>						
			<u>Tons</u>	<u>1,000 tons</u>	<u>Dollars per ton</u>	
1995	-	505	14.0	7,070	24.50	173,215
1996	-	510	15.5	7,905	25.80	203,949
1997	-	560	15.0	8,400	34.40	288,960
1998	-	550	16.0	8,800	25.30	222,640
1999	-	560	16.0	8,960	25.90	232,064
2000	-	530	14.0	7,420	25.60	189,952
2001	-	485	16.0	7,760	26.40	204,864
2002	-	550	14.0	7,700	25.70	197,890
2003	-	550	17.5	9,625	26.20	252,175
2004	-	470	17.0	7,990	26.00	207,740
<b>DRY BEANS <sup>2/</sup></b>						
			<u>Lbs.</u>	<u>1,000 cwt.</u>	<u>Dollars per cwt.</u>	
1995	34	33.0	1,630	538	18.10	9,738
1996	30	29.0	1,300	377	27.00	10,179
1997	44	43.5	1,560	679	20.60	13,987
1998	31	30.0	1,420	426	25.30	10,778
1999	31	30.2	1,370	414	19.40	8,032
2000	25	24.5	1,460	358	18.80	6,730
2001	23	22.3	870	194	24.70	4,792
2002	25	24.5	1,360	333	22.20	7,393
2003	25	24.0	1,860	446	22.60	10,080
2004	24	23.5	1,050	247	28.30	6,990

<sup>1/</sup> Complete utilization of corn acreage planted is shown on page 22. Corn planted acreage includes corn for grain, silage, forage, and abandoned acres.

<sup>2/</sup> Production by major varieties is shown on page 21.



Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1995-2004 (Continued)

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
<b>ALFALFA HAY</b>						
1995	-	650	2.60	1,690	94.00	158,860
1996	-	640	2.70	1,728	99.50	171,936
1997	-	640	2.60	1,664	110.00	183,040
1998	-	600	2.45	1,470	105.00	154,350
1999	-	550	2.30	1,265	121.00	153,065
2000	-	450	2.40	1,080	119.00	128,520
2001	-	570	2.80	1,596	119.00	189,924
2002	-	610	2.50	1,525	128.00	195,200
2003	-	600	2.80	1,680	132.00	221,760
2004	-	470	2.80	1,316	139.00	182,924
<b>OTHER HAY</b>						
1995	-	950	1.85	1,758	72.00	126,576
1996	-	870	2.00	1,740	74.50	129,630
1997	-	890	2.00	1,780	80.50	143,290
1998	-	800	2.05	1,640	82.00	134,480
1999	-	950	1.80	1,710	90.50	154,755
2000	-	1,050	1.90	1,995	93.50	186,533
2001	-	1,100	1.80	1,980	84.50	167,310
2002	-	1,100	1.90	2,090	87.50	182,875
2003	-	1,250	1.60	2,000	98.00	196,000
2004	-	800	2.00	1,600	90.00	144,000
<b>ALL HAY<sup>1/</sup></b>						
1995	-	1,600	2.16	3,448	85.50	285,436
1996	-	1,510	2.30	3,468	87.00	301,566
1997	-	1,530	2.25	3,444	94.00	326,330
1998	-	1,400	2.22	3,110	93.00	288,830
1999	-	1,500	1.98	2,975	108.00	307,820
2000	-	1,500	2.05	3,075	103.00	315,053
2001	-	1,670	2.14	3,576	104.00	357,234
2002	-	1,710	2.11	3,615	106.00	378,075
2003	-	1,850	1.99	3,680	113.00	417,760
2004	-	1,270	2.30	2,916	113.00	326,924

<sup>1/</sup> All hay price is based on weighted sales, not production.

Table 9. **POTATOES:** Acreage, Yield, Production, and Disposition, Sales, and Value, New York, 1995-2004

Crop Year	Planted	Harvested	Yield per acre	Production	Used on farms where grown <sup>1/</sup>	Sold	Marketing year average price	Value	
								Production	Sales
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>-----1,000 cwt.-----</i>		<i>Dollars per cwt.</i>		<i>1,000 dollars</i>	
1995	28,000	27,500	270	7,425	445	6,980	7.45	55,316	52,001
1996	27,000	26,500	280	7,420	468	6,952	7.30	54,166	50,750
1997	26,500	26,000	275	7,150	454	6,696	8.75	62,563	58,590
1998	27,600	27,000	270	7,290	440	6,850	9.35	68,162	64,048
1999	26,000	25,500	265	6,758	418	6,340	9.00	60,822	57,060
2000	22,000	21,300	280	5,964	514	5,450	8.70	51,887	47,415
2001	23,500	23,300	255	5,942	602	5,340	9.90	58,826	52,866
2002	22,500	22,000	250	5,500	450	5,050	11.80	64,900	59,590
2003	22,200	21,700	300	6,510	620	5,890	9.65	62,822	56,839
2004	20,000	19,200	270	5,184	<u>2/</u>	<u>2/</u>	8.05	41,731	<u>2/</u>

<sup>1/</sup> Includes feed and seed used on farms where produced and shrinkage during storage.

<sup>2/</sup> Available September 22, 2005.

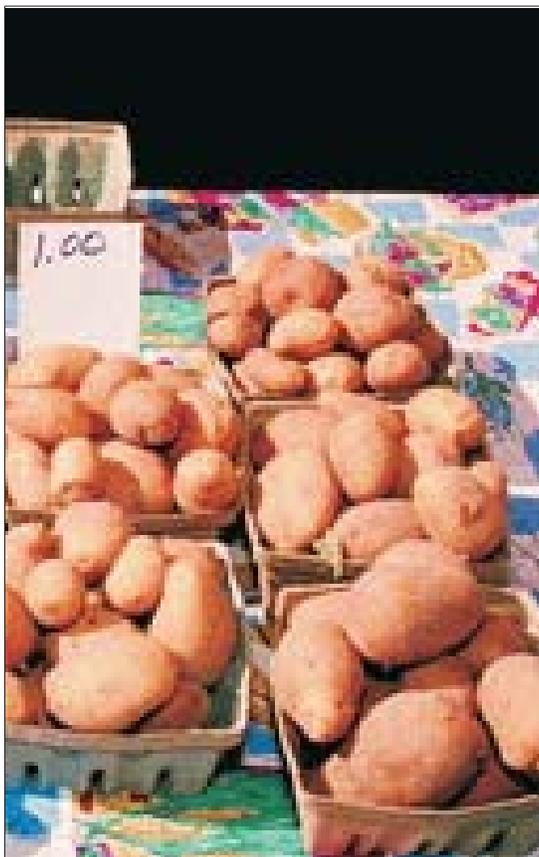


Table 10. **POTATOES:** Stocks Held by Growers and Local Dealers, New York, 1995-2004 <sup>1/</sup>

Crop Year	December 1	January 1	February 1	March 1	April 1
	<i>1,000 cwt.</i>				
1995	3,400	2,500	1,500	900	400
1996	3,700	2,400	1,400	800	350
1997	3,600	2,500	1,500	800	400
1998	3,400	2,300	1,500	800	350
1999	3,500	2,500	1,800	1,300	700
2000	2,700	1,900	1,400	1,000	400
2001	2,400	1,500	1,000	600	300
2002	2,400	1,800	1,100	600	220
2003	3,500	2,800	2,400	1,500	750
2004	2,500	1,800	1,300	700	320

<sup>1/</sup> Total stocks consist of production less total disappearance to date. Disappearance includes all sales for all purposes, all potatoes eaten or fed on farms where produced and all losses to date through shrinkage, decay, dumping, etc.

<sup>2/</sup> Not published to avoid disclosure of individual operations.

Table 11. **DRY BEANS:** Acreage, Yield, Production, and Off-Farm Stocks, by Class,  
New York, 1995-2005

Crop Year	Acres		Yield per acre	Production
	Planted	Harvested		
	<i>1,000 acres</i>		<i>Pounds</i>	<i>1,000 cwt.</i>
<b>RED KIDNEY</b>				
<u>Light</u> 1995	19.0	18.0	1,620	292
1996	16.5	16.0	1,270	203
1997	25.0	24.5	1,580	387
1998	16.0	15.5	1,350	209
1999	17.7	17.5	1,290	225
2000	15.0	14.6	1,430	209
2001	13.3	13.1	850	112
2002	15.0	14.7	1,300	191
2003	14.1	13.4	1,890	253
2004	12.0	11.6	1,100	128
<u>Dark</u> 1995	4.0	4.0	1,600	64
1996	3.5	3.0	1,270	38
1997	2.0	2.0	1,650	33
1998	2.0	2.0	1,600	32
1999	2.0	2.0	1,350	27
2000	1.9	1.8	1,280	23
2001	1.2	1.2	830	10
2002	2.0	2.0	1,350	27
2003	1.1	1.1	1,820	20
2004	1.5	1.5	1,000	15
<b>BLACK TURTLE</b>				
1995	8.0	8.0	1,690	135
1996	7.0	7.0	1,430	100
1997	13.0	13.0	1,530	199
1998	10.5	10.0	1,470	147
1999	9.5	9.0	1,570	141
2000	5.2	5.2	1,500	78
2001	6.7	6.3	940	59
2002	6.0	5.8	1,570	91
2003	8.2	7.9	1,800	142
2004	9.0	8.9	1,040	93
<b>OTHER CLASSES</b>				
1995	3.0	3.0	1,570	47
1996	3.0	3.0	1,200	36
1997	4.0	4.0	1,500	60
1998	2.5	2.5	1,520	38
1999	1.8	1.7	1,240	21
2000	2.9	2.9	1,660	48
2001	1.8	1.7	760	13
2002	2.0	2.0	1,200	24
2003	1.6	1.6	1,940	31
2004	1.5	1.5	730	11
<b>ALL CLASSES</b>				
1995	34.0	33.0	1,630	538
1996	30.0	29.0	1,300	377
1997	44.0	43.5	1,560	679
1998	31.0	30.0	1,420	426
1999	31.0	30.2	1,370	414
2000	25.0	24.5	1,460	358
2001	23.0	22.3	870	194
2002	25.0	24.5	1,360	333
2003	25.0	24.0	1,860	446
2004	24.0	23.5	1,050	247

Table 12. **CORN:** Acreage Utilization, New York, 1995-2004

Crop Year	Total acres planted	Acres harvested for					
		All Grain	Dry Shelled	High Moisture Shelled	High Moisture Ground Ear	Silage	Forage and abandoned
		<i>1,000 acres</i>					
1995	1,130	620	460	130	30	505	5
1996	1,150	630	435	175	20	510	10
1997	1,170	600	450	120	30	560	10
1998	1,130	580	435	115	30	550	0
1999	1,150	590	460	105	25	560	0
2000	980	450	360	80	10	530	0
2001	1,030	540	405	115	20	485	5
2002	1,020	460	350	90	20	550	10
2003	1,000	440	340	85	15	550	10
2004	980	500	380	95	25	470	10

Table 13. **HAY:** Stocks on Farms, New York, 1995-2004

Crop Year	Total production	Stocks Following Harvest			
		December 1		May 1	
		Stocks	Percent of production	Stocks	Percent of production
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Percent</i>	<i>1,000 tons</i>	<i>Percent</i>
1995	3,448	2,069	60	552	16
1996	3,468	2,254	65	555	16
1997	3,444	1,998	58	344	10
1998	3,110	1,990	64	435	14
1999	2,975	1,900	64	385	13
2000	3,075	2,280	74	625	20
2001	3,576	2,250	63	600	17
2002	3,615	2,236	62	520	14
2003	3,680	2,430	66	552	15
2004	2,916	1,895	65	440	15

## NEW YORK FEED GRAIN DEFICIT IN 2004

New York feed grain production (corn, oats, barley) in 2004 was 96 percent above production in 2003, and 5 percent above the 10 year average. The quantity of grain fed during 2004 increased 2 percent from a year earlier and was 1 percent below the 10 year average. The increases in grain fed are primarily attributed to an increased number of dairy cows in the state on average during the year when compared to 2003 and the 10 year average number of cows. The increase in grain production from a year earlier is primarily due to a record high yield for corn.

Feed grain produced in 2004 met 84 percent of the State's feeding requirements. The feed grain deficit fluctuates widely depending primarily on the level of corn produced. Over the past ten years, New York farmers have produced on average 80 percent of the feed needed for the dairy, livestock, and poultry industries in the state.

Table 14. **FEED GRAIN DEFICIT:** New York, 1995-2004

Year	Quantity Produced	Quantity Fed	Quantity of Deficit
	<i>1,000 tons</i>		
1995	1,994	2,342	348
1996	1,975	2,381	406
1997	2,075	2,367	292
1998	2,099	2,328	229
1999	1,901	2,278	376
2000	1,443	2,378	935
2001	1,844	2,310	466
2002	1,468	2,323	855
2003	1,785	2,270	485
2004	1,962	2,323	361