

Crops

FIELD CROPS

The 2007 crop year got off to a rapid start due to dry weather conditions during the planting season. This weather pushed fieldwork and planting ahead of average. Dry weather continued throughout most of the summer, creating drought conditions, particularly in Western New York.

Grain Corn

New York production is estimated at 69.9 million bushels, up 13 percent from last year. Area for harvest totaled 550,000 acres, up 15 percent from a year ago. Yield per acre was 127 bushels per acre down 2 bushels from last year's record high. Production was valued at \$300 million, up 42 percent from 2006.

Silage Corn

Corn cut for silage totaled 8.42 million tons, an increase of 13 percent from last year. Area for harvest increased 8 percent to 495,000 acres. Yields are estimated at 17.0 tons per acre. Production was valued at \$262 million, up 15 percent from 2006.

Soybeans

The 2007 soybean crop was estimated at 7.71 million bushels, 15 percent below last year's production. Area harvested, a record high at 203,000 acres, was up 3 percent from a year ago. Yields averaged 38 bushels per acre down 8 bushels per acre from last year's record high of 46. The value of the 2007 soybean crop was set at \$75.2 million, up 33 percent from the previous year.

Wheat

Production totaled 4.42 million bushels, down 24 percent from the previous year. Harvested acreage, at 85,000 acres was down 11 percent from 2006. Winter wheat yields averaged 52 bushels per acre, down 9 bushels from a year ago. Winter wheat was valued at \$29.8 million, up 28 percent from a year ago.

Oats

Production, at 3.42 million bushels, was down 31 percent from the previous year. Area harvested, at 60,000 acres was down 10 percent from last year. The average yield, at 57 bushels per acre, was down 17 bushels from a year ago. Oat production was valued at \$7.87 million, down 5 percent from 2006.

Barley

Production of barley in New York totaled 506,000 bushels down 23 percent from a year earlier. Acreage harvested for grain totaled 11,000 acres, down 1,000 acres from 2006. The average yield per acre, at 46 bushels, was down 9 bushels from last year. Barley production was valued at \$1.39 million, up 18 percent from the 2006 value.

All Dry Hay

Production was 2.70 million tons, down 3 percent from last year's 2.79 million tons. Acreage harvested for dry hay during 2007 decreased 11 percent to 1.36 million acres. Yield, at 1.99 tons per acre, at was 8 percent above a year ago. Value of production, at \$327 million, was up 4 percent from a year ago.

Alfalfa Dry Hay

New York production of alfalfa dry hay was estimated at 1.01 million tons, up 30 percent from last year's crop of 777,000 million tons. Area harvested, at 420,000 acres was 14 percent above last year. Yields averaged 2.40 tons per acre, up 15 percent from last year. Alfalfa dry hay production was valued at \$156 million, up 38 percent from the 2006 value of \$113 million.

Forage

Forage production is the sum of all dry hay and haylage/greenchop production after converting the haylage/greenchop to a dry equivalent basis. New York's acres harvested at 1,810 are down from last year's by 7 percent.



The average yield, at 2.58 tons per acre, is up from the previous year's 2.56 tons. Production at 4.67 million tons is down 7 percent from a year ago.

Potatoes

Production totaled 5.22 million hundredweight (cwt), down 8 percent from the 5.70 million cwt. produced in 2006. Harvested acreage totaled 18,300 acres, down 700 acres from last year. Yields averaged 285 cwt. per acre, down 15 cwt. from a year ago. The value of potatoes, at \$63.1 million, was down 11 percent from 2006.

Dry Beans

Production totaled 224,000 cwt., down 6 percent from 2006. Acres harvested totaled 16,500 acres, down 1,500 acres from a year earlier. The average yield, at 1,360 pounds per acre, was up 30 lbs. from last year. Dry beans were valued at \$8.56 million, up 38 percent from the 2006 value of \$6.19 million.

2007 CROP SUMMARY



April

Cool, wet weather slowed planting activities. Some field preparation and manure spreading was underway. Oats and corn planting progress began. Onion growers started to recover from flooding rains from mid-April.

May

Crop planting rapidly progressed as the weather turned dry. Corn planting, which started out behind the five year average, not only caught up but surpassed the five year percent planted completion. Progress reached 84 percent as the month ended. By the end of the month haylage, and some dry hay was cut.

June

The last of the field crops were planted and the first cutting of dry hay and haylage was finished. Dry weather started to become a factor in crop development. Corn planting was finished and soybeans were 99 percent planted.

July

Rain was badly needed. Creeks and ponds were either very low or had dried up. Second cutting of hay was very low yielding due to the lack of rain. Small grains were short and maturing early. Scattered showers during the month provided some much needed rain to parts of the state, but not all. Small grains harvesting started.

August

Western and Central New York continued to have drought-like conditions. Eastern New York started to feel the effects of no rain towards the end of the month. Potatoes started to get harvested. Dry weather impact was really showing in the hay yields for Western New York. Winter wheat and oat harvest continued. Some scattered showers moved through the region but may have proved to be too little too late.

September

Harvest began for corn for silage, soybeans, and dry beans. First frost of the season occurred. Corn silage was not weighing up very well due to lighter than normal ears in some counties. Water levels were reported low in Herkimer and St. Lawrence Counties.

October

The corn for grain harvest got underway. Third cutting of alfalfa finished ahead of the five year average. In some areas, a fourth cutting of dry hay was cut. Manure spreading and fall tillage was done. Potato harvesting finished.



Table 7. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1998-2007

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>
WHEAT						
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	2.85	15,455
2004	105	100	53.0	5,300	2.80	14,840
2005	100	95	54.0	5,130	3.34	17,134
2006	105	95	61.0	5,795	4.03	23,354
2007	100	85	52.0	4,420	6.75	29,835
OATS						
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	1.80	5,850
2005	95	75	54.0	4,050	1.64	6,642
2006	85	67	74.0	4,958	1.67	8,280
2007	100	60	57.0	3,420	2.30	7,866
RYE						
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	688
2004	30	8	43.0	344	2.00	774
2005	30	10	30.0	300	2.00	600
2006	40	10	29.0	290	2.00	580
2007	30	6	30.0	180	2.00	360
BARLEY						
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	2.05	1,087
2005	17	15	49.0	735	1.80	1,323
2006	17	12	55.0	660	1.79	1,181
2007	13	11	46.0	506	2.75	1,392

Table 7. FIELD CROPS: Acres, Yield, Production, and Value, New York, 1998-2007 (Continued)

Crop and Year	Planted ^{1/}	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>
SOYBEANS						
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	37,674
2004	175	172	39.0	6,708	5.40	36,223
2005	190	188	42.0	7,896	5.20	41,059
2006	200	198	46.0	9,108	6.19	56,379
2007	205	203	38.0	7,714	9.75	75,212
CORN FOR GRAIN						
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	2.37	144,570
2005	990	460	124.0	57,040	2.29	130,622
2006	950	480	129.0	61,920	3.42	211,766
2007	1,050	550	127.0	69,850	4.30	300,355
CORN SILAGE						
			<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars per ton</i>	
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
2005	-	520	17.0	8,840	25.70	227,188
2006	-	460	18.0	8,280	27.50	227,700
2007	-	495	17.0	8,415	31.20	262,548
DRY BEANS ^{2/}						
			<i>Lbs.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	
1998	31.0	30.0	1,420	426	25.30	10,778
1999	31.0	30.2	1,370	414	19.40	8,032
2000	25.0	24.5	1,460	358	18.80	6,730
2001	23.0	22.3	870	194	24.70	4,792
2002	25.0	24.5	1,360	333	22.20	7,393
2003	25.0	24.0	1,860	446	22.60	10,080
2004	24.0	23.5	1,050	247	27.90	6,891
2005	25.0	23.0	1,230	282	21.40	6,035
2006	19.0	18.0	1,330	239	25.90	6,190
2007	17.0	16.5	1,360	224	38.20	8,557

^{1/} Complete utilization of corn acreage planted is shown on page 21. Corn planted acreage includes corn for grain, silage, forage, and abandoned acres.

^{2/} Production by major varieties is shown on page 20.



Table 7. **FIELD CROPS:** Acres, Yield, Production, and Value, New York, 1998-2007 (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>
ALFALFA HAY						
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
2005	-	450	2.10	945	131.00	123,795
2006	-	370	2.10	777	146.00	113,442
2007	-	420	2.40	1,008	145.00	146,160
OTHER HAY						
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	89.00	142,400
2005	-	1,200	1.40	1,680	95.00	160,440
2006	-	1,150	1.75	2,013	101.00	203,313
2007	-	940	1.80	1,692	104.00	175,968
ALL HAY ^{1/}						
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	115.00	325,324
2005	-	1,650	1.59	2,625	110.00	284,235
2006	-	1,520	1.84	2,790	113.00	316,755
2007	-	1,360	1.99	2,700	118.00	322,128

^{1/} All hay price is based on weighted sales, not production.

Table 7. **FIELD CROPS:** Acres, Yield, and Production, New York, 2000-2007 ^{1/}

Crop and Year	Harvested	Yield per acre	Production
	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>
ALFALFA FORAGE			
2000	710	3.24	2,300
2001	900	3.55	3,192
2002	900	3.11	2,798
2003	950	3.73	3,539
2004	700	3.56	2,492
2005	750	3.11	2,329
2006	610	3.31	2,021
2007	710	3.29	2,333
ALL FORAGE			
2000	1,940	2.50	4,858
2001	2,050	2.73	5,587
2002	2,120	2.59	5,487
2003	2,310	2.61	6,027
2004	1,680	2.92	4,904
2005	2,280	2.09	4,774
2006	1,950	2.56	4,996
2007	1,810	2.58	4,669
ALFALFA HAYLAGE & GREENCHOP			
2000	390	6.00	2,613
2001	450	7.30	3,285
2002	510	5.90	3,009
2003	470	8.00	3,760
2004	340	7.00	2,380
2005	400	7.00	2,800
2006	370	6.80	2,516
2007	400	6.70	2,680
ALL HAYLAGE & GREENCHOP			
2000	610	5.83	3,559
2001	650	6.35	4,125
2002	660	5.40	3,564
2003	660	7.19	4,748
2004	650	6.19	4,023
2005	830	5.24	4,348
2006	700	6.38	4,463
2007	710	5.61	3,982

^{1/} Estimates began in 2000.

Table 8. **POTATOES:** Acreage, Yield, Production, and Disposition, Sales, and Value,
New York, 1998-2007

Crop Year	Planted	Harvested	Yield per acre	Production	Used on farms where grown ^{1/}	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>	
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	513	4,571	8.25	42,768	37,711
2005	20,500	20,100	260	5,226	491	4,635	12.20	63,757	56,547
2006	20,600	19,000	300	5,700	480	5,120	12.00	68,400	61,440
2007	19,000	18,300	285	5,216	<u>2/</u>	<u>2/</u>	12.10	63,114	<u>2/</u>

^{1/} Includes feed and seed used on farms where produced and shrinkage during storage.

^{2/} Available September 25, 2008.

Table 9. **POTATOES:** Stocks Held by Growers and Local Dealers,
New York, 1998-2007 ^{1/}

Crop Year	December 1	January 1	February 1	March 1	April 1
	<i>1,000 cwt.</i>				
1998	3,400	2,300	1,500	800	350
1999	3,500	2,500	1,800	1,300	700
2000	2,600	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	2,700	1,600	1,100	700	300
2004	2,300	1,600	1,200	700	300
2005	2,900	2,200	1,700	1,200	500
2006	3,000	2,200	1,400	1,000	500
2007	2,800	1,900	1,200	700	300

^{1/} 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.

Table 10. **DRY BEANS:** Acreage, Yield, Production, and Off-Farm Stocks, by Class, New York, 1998-2007

Crop Year	Acres		Yield per acre	Production	
	Planted	Harvested			
	<i>1,000 acres</i>		<i>Pounds</i>	<i>1,000 cwt.</i>	
RED KIDNEY					
Light	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
	2005	13.0	12.2	1,100	134
	2006	7.0	6.6	1,330	88
	2007	7.5	7.3	1,180	86
Dark	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
	2005	1.5	1.2	830	10
	2006	2.0	1.9	780	15
	2007	1.5	1.4	1,430	20
BLACK TURTLE					
	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
	2005	9.0	8.5	1,510	128
	2006	9.0	8.6	1,470	126
	2007	7.0	6.9	1,460	101
OTHER CLASSES					
	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
	2005	1.5	1.1	910	10
	2006	1.0	.9	1,100	10
	2007	1.0	.9	1,890	17
ALL CLASSES					
	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
	2005	25.0	23.0	1,230	282
	2006	19.0	18.0	1,330	239
	2007	17.0	16.5	1,360	224

Table 11. **CORN:** Acreage Utilization, New York, 1998-2007

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>					
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
2005	990	460	360	90	10	520	10
2006	950	480	390	80	10	460	10
2007	1,050	550	470	70	10	495	5

Table 12. **HAY:** Stocks on Farms, New York, 1998-2007

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>
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
2005	2,625	1,650	62	285	11
2006	2,790	1,451	52	326	12
2007	2,700	1,674	62	283	10

* May of following year

NEW YORK FEED GRAIN IN 2007

New York feed grain production (*corn, oats, barley and soybeans*) in 2007 was 7 percent above 2006, and 19 percent above the 10 year average. The increase in grain production from a year earlier is primarily due increased corn production.

Feed grain produced in 2007 met 113 percent of the State's feeding requirements. Over the past ten years, New York farmers have produced on average 84 percent of the feed needed for the dairy, livestock, and poultry industries in the state.

Table 13. **FEED GRAIN:** New York, 1998-2007

Year	Quantity Produced	Quantity Fed	Quantity of Deficit/Surplus*
		<i>1,000 tons</i>	
1998	2,095	2,328	(233)
1999	1,911	2,278	(367)
2000	1,442	2,379	(936)
2001	1,848	2,310	(462)
2002	1,466	2,323	(857)
2003	1,723	2,270	(548)
2004	1,975	2,276	(301)
2005	1,917	2,278	(361)
2006	2,103	2,007	96
2007	2,255	2,002	253

* Deficit in parenthesis.