

VEGETABLES

An abnormally wet, cool spring delayed planting progress so producers were sidelined until fields dried enough to support machinery. Once crops were finally planted, lower than normal temperatures and frequent rains resulted in slow growth. However, an abundance of soil moisture pushed yields to high levels on most vegetables. The growing season ended with statewide freezing temperatures in September.

The value of all New York vegetable production in 2000 totaled \$378 million. New York ranked fifth in the nation for the value of principal fresh market vegetables and seventh for the value of principal processed vegetables in 2000.

This year, six crops were added to New York's fresh market vegetable program: bell peppers, eggplant, escarole/endive, pumpkins, spinach, and squash. Carrots and lettuce were dropped. Those crops that remain in the program include cauliflower, cucumbers, snap beans, sweet corn, tomatoes, cabbage, and onions.

The value of the Empire State's principle fresh market vegetables totaled \$335 million this year. Fresh market production in 2000 was estimated at 17.2 million hundredweight (cwt.). Big yields in onions, cabbage, and snap beans helped push production up.

The 2000 New York processed vegetable program dropped carrots, while all other crops remained the same.

Processing vegetables were valued at \$42.6 million in 2000 and production totaled 389,320 tons.

ONIONS were the big winner with yields of 380 cwt. per acre, 100 cwt. higher than last year. Year 2000 production is estimated at 4.67 million cwt., a 32 percent increase over last year. Value is up 39 percent, for a total of \$52.6 million.

Fresh market CABBAGE production for 2000, estimated at 5.68 million cwt., is up 14 percent from 1999 production of 4.96 million cwt. Planted and harvested acreage were up and yields were 30 cwt. higher per acre than last year. New York ranked first in the nation for the value of fresh market cabbage in 2000.

SWEET CORN acreage was down significantly this year. A total of 27,500 acres were harvested, an 18 percent decrease from last year's 33,700 harvested acres. Yields stayed the same at 95 cwt. per acre. Total value ended up at \$56.4 million, up 8 percent from last year.

The value of the 2000 fresh market SNAP BEAN crop was second highest in the nation at \$31.5 million. Snap bean production was up due to increased acreage and higher yields. Total production was 517,000 cwt., up 39 percent from last year.

PUMPKINS, an addition to the vegetable program, showed a value of \$26.3 million, second highest in the nation. There were 5,700 acres harvested for a production of 1.14 million cwt.

Processed SNAP BEANS were up 25 percent this year, with the value of production at \$17.2 million. Total production was set at 89,310 tons.

The value of processed GREEN PEAS dropped 33 percent due to significantly lower prices this year. Total value ended up at \$6.69 million dollars. Production was up 3 percent to 32,810 tons.

New York ranked second in the nation for the value of CABBAGE for kraut. The value of kraut was up 22 percent to \$4.06 million. Production was up 12 percent to 76,100 tons.

Table 17. PRINCIPAL VEGETABLES FOR FRESH MARKET ^{1/}

Year	Planted	Harvested	Production	Value
	<i>1,000 acres</i>		<i>1,000 cwt.</i>	<i>Million dol.</i>
1991	72.6	68.4	13,586	197.8
1992	72.5	63.8	12,080	157.0
1993	65.4	61.3	12,842	183.8
1994	67.5	63.5	13,824	168.4
1995	72.8	68.4	13,404	176.9
1996	65.1	61.1	10,019	108.7
1997	67.7	64.3	12,893	172.1
1998	71.6	68.7	13,115	202.8
1999	77.3	73.6	13,563	209.9
2000	88.6	79.2	17,169	335.4

^{1/} Includes processing totals for dual usage crops (carrots 1990-1992; cauliflower 1990-1999).

Table 18. PRINCIPAL VEGETABLES FOR PROCESSING ^{1/}

Year	Planted	Harvested	Production	Value
	<i>1,000 acres</i>		<i>1,000 tons</i>	<i>Million dol.</i>
1991	74.4	71.1	310.7	33.0
1992	70.1	63.2	316.6	29.6
1993	72.6	67.2	431.4	41.4
1994	67.0	63.6	422.7	38.0
1995	89.4	86.4	452.6	45.3
1996	86.9	84.2	432.7	44.5
1997	90.1	87.6	510.4	43.3
1998	90.2	84.9	459.8	49.8
1999	77.5	75.7	420.8	45.3
2000	82.1	77.6	389.3	42.6

^{1/} Beginning in 1993, includes carrots.

Table 19. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1991-2000

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
<u>CAULIFLOWER 1/</u>						
1991	1,700	1,400	146	204	26.90	5,477
1992	1,700	1,300	118	154	36.00	5,545
1993	1,500	1,200	150	180	42.00	7,560
1994	1,500	1,300	135	176	40.80	7,181
1995	1,300	1,200	155	186	25.80	4,799
1996	1,100	1,000	140	140	33.30	4,662
1997	1,100	1,000	200	200	34.80	6,960
1998	1,400	1,400	195	273	35.30	9,637
1999	1,300	1,100	150	165	38.30	6,319
2000	1,100	900	120	108	38.00	4,104
<u>CUCUMBERS</u>						
1991	3,400	3,300	145	479	16.60	7,951
1992	3,600	3,400	140	476	18.70	8,901
1993	3,900	3,800	145	551	12.10	6,667
1994	3,300	3,300	130	429	14.70	6,306
1995	3,500	3,400	130	442	15.10	6,674
1996	4,100	3,900	100	390	17.30	6,747
1997	3,100	3,000	200	600	21.40	12,840
1998	3,800	3,800	200	760	19.30	14,668
1999	3,600	3,600	180	648	26.00	16,848
2000	3,900	3,800	210	798	25.40	20,269
<u>SNAP BEANS</u>						
1991	4,800	4,600	70	322	31.10	10,014
1992	4,200	3,700	40	148	29.50	4,366
1993	4,200	4,100	75	308	28.70	8,840
1994	5,200	4,600	105	483	28.10	13,572
1995	5,100	4,100	55	226	38.50	8,701
1996	4,200	3,900	40	156	49.30	7,691
1997	5,300	5,100	62	316	54.80	17,317
1998	5,400	5,300	62	329	50.60	16,647
1999	6,300	6,100	61	372	53.30	19,828
2000	8,600	7,600	68	517	61.00	31,537
<u>SWEET CORN</u>						
1991	28,600	26,500	75	1,988	14.20	28,230
1992	29,400	25,400	65	1,651	11.90	19,647
1993	25,000	23,000	85	1,955	11.90	23,265
1994	27,000	25,700	100	2,570	12.70	32,639
1995	32,800	30,500	85	2,593	18.90	49,008
1996	28,800	27,100	75	2,033	14.80	30,088
1997	29,200	27,300	73	1,993	14.90	29,696
1998	30,700	29,200	90	2,628	18.10	47,567
1999	35,900	33,700	95	3,202	16.30	52,193
2000	32,300	27,500	95	2,613	21.60	56,441

1/ Includes quantities used for processing.

Table 19. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1991-2000 (Continued)

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
<u>TOMATOES</u>						
1991	2,800	2,700	140	378	38.60	14,591
1992	2,900	2,200	80	176	38.90	6,846
1993	2,500	2,300	120	276	36.00	9,936
1994	2,700	2,500	160	400	36.90	14,760
1995	2,600	2,400	125	300	24.60	7,380
1996	2,100	1,900	80	152	22.10	3,359
1997	3,400	3,200	120	384	29.10	11,174
1998	3,400	3,300	140	462	29.00	13,398
1999	3,400	3,100	115	357	34.50	12,317
2000	3,300	3,000	180	540	56.80	30,672
<u>BELL PEPPERS 1/</u>						
2000	800	770	210	162	43.70	7,079
<u>EGGPLANT 1/</u>						
2000	550	520	180	94	39.30	3,694
<u>ENDIVE/ESCAROLE 1/</u>						
2000	300	240	280	67	38.90	2,606
<u>PUMPKINS 1/</u>						
2000	6,700	5,700	200	1,140	23.10	26,334
<u>SPINACH 1/</u>						
2000	700	670	80	54	59.30	3,202
<u>SQUASH 1/</u>						
2000	3,500	3,300	220	726	23.70	17,206

1/ Crop added to program in 2000.

Table 20. CABBAGE FOR FRESH MARKET: Acres, Yield, Production, Sales, and Value, 1991-2000

Crop Year	Planted	Harvested	Yield per acre	Production	Sales 1/	Marketing year average price	Value of Sales	January 1 Stocks
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dol.</i>	<i>1,000 cwt.</i>
1991	14,300	13,900	395	5,490	4,730	12.00	56,762	1,060
1992	13,500	12,100	342	4,137	3,600	7.96	28,647	1,010
1993	13,600	13,100	410	5,371	5,054	8.91	45,031	1,250
1994	12,800	12,000	450	5,400	4,855	8.48	41,170	1,320
1995	12,900	12,500	420	5,250	4,935	8.90	43,922	1,390
1996	11,000	10,500	400	4,200	3,746	8.08	30,268	1,263
1997	11,600	11,200	480	5,376	4,785	9.70	46,415	1,725
1998	12,600	12,100	380	4,598	4,194	10.30	43,198	1,613
1999	12,400	12,100	410	4,961	4,498	12.60	55,692	1,836
2000	13,400	12,900	440	5,676	4,955	17.50	86,713	1,433

1/ Excludes quantities lost from shrinkage and waste.

Table 21. ONIONS FOR FRESH MARKET: Acres, Yield, Production, and Value, 1991-2000

Crop Year	Planted	Harvested	Yield per acre	Production	Sales ^{1/}	Marketing year average price	Value of Sales
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dol.</i>
1991	12,300	11,800	300	3,540	3,263	17.60	57,282
1992	12,800	12,200	360	4,392	3,628	17.10	61,990
1993	12,500	12,000	310	3,720	3,497	21.40	74,834
1994	13,200	12,400	310	3,844	3,422	13.00	44,486
1995	12,800	12,600	320	4,032	3,690	13.80	50,922
1996	12,300	11,400	240	2,736	2,345	9.80	22,911
1997	12,500	12,200	300	3,660	3,309	12.70	42,024
1998	13,100	12,500	300	3,750	3,187	16.30	51,948
1999	13,000	12,600	280	3,528	3,112	12.20	37,966
2000	13,400	12,300	380	4,674	3,510	13.50	47,385

^{1/} Excludes quantities lost from shrinkage and waste.

Table 22. ONIONS: Acres, Yield, and Production, by Area, 1991-2000

Year	Orange County	Orleans-Genesee ^{1/}	Oswego County	Madison	Steuben-Yates-Ontario	Wayne & Other	State
HARVESTED ACRES							
1991	5,400	2,700	1,900	550	850	400	11,800
1992	5,500	2,500	2,000	800	1,100	300	12,200
1993	5,200	2,700	1,900	600	1,200	400	12,000
1994	5,600	2,600	1,900	700	1,300	300	12,400
1995	5,700	2,700	1,800	800	1,300	300	12,600
1996	5,400	2,400	1,900	500	900	300	11,400
1997	5,800	2,500	2,200	400	1,000	300	12,200
1998	4,700	3,400	2,800	200	1,100	300	12,500
1999	4,800	3,400	2,800	200	1,100	300	12,600
2000	4,900	3,100	2,500	300	1,100	400	12,300
YIELD PER ACRE - Cwt.							
1991	310	225	380	200	350	320	300
1992	380	390	330	230	360	290	360
1993	300	300	360	250	350	240	310
1994	390	310	370	280	320	330	310
1995	330	320	350	200	320	270	320
1996	190	280	290	290	310	240	240
1997	270	280	390	250	350	290	300
1998	200	370	370	280	360	210	300
1999	180	340	310	240	440	360	280
2000	420	310	390	310	410	340	380
PRODUCTION - 1,000 Cwt.							
1991	1,674	608	722	110	298	128	3,540
1992	2,090	975	660	184	396	87	4,392
1993	1,560	810	684	150	420	96	3,720
1994	1,624	806	703	196	416	99	3,844
1995	1,881	864	630	160	416	81	4,032
1996	1,017	672	551	145	279	72	2,736
1997	1,566	700	858	100	350	86	3,660
1998	940	1,258	1,036	56	397	63	3,750
1999	864	1,156	868	48	484	108	3,528
2000	2,058	961	975	93	451	136	4,674

^{1/} Includes small acreages in Livingston and Niagara Counties.

Table 23. VEGETABLES FOR PROCESSING: Acres, Yield, Production, and Value, 1991-2000

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
BEETS						
1991	2,300	1,900	15.38	29,222	56.20	1,642
1992	2,000	1,900	15.25	28,980	61.60	1,785
1993	2,600	2,600	14.70	38,220	69.80	2,668
1994	2,900	2,900	15.40	44,660	58.90	2,630
1995	3,900	3,900	11.00	42,900	59.40	2,548
1996	4,200	4,200	9.90	41,580	75.20	3,127
1997	2,700	2,700	15.00	40,500	64.70	2,620
1998	2,300	2,300	12.00	27,600	78.50	2,167
1999	2,500	2,500	15.37	38,430	79.00	3,036
2000	2,600	2,500	13.38	33,450	73.00	2,442
CABBAGE FOR KRAUT						
1991	2,400	2,400	23.33	56,000	38.00	2,128
1992	1,500	1,400	25.00	35,000	39.00	1,365
1993	2,100	2,000	36.50	73,000	49.00	3,577
1994	2,100	2,100	29.00	60,900	40.00	2,436
1995	3,000	3,000	17.00	51,000	39.80	2,030
1996	3,000	3,000	15.50	46,500	40.20	1,869
1997	2,300	2,300	30.10	69,230	46.30	3,205
1998	3,000	3,000	20.60	61,800	46.40	2,868
1999	2,400	2,400	28.41	68,180	49.00	3,341
2000	2,900	2,800	27.18	76,100	53.40	4,064
GREEN PEAS						
1991	11,500	11,300	1.30	14,690	340.00	4,995
1992	12,800	10,400	2.12	22,050	267.00	5,887
1993	13,200	11,900	1.86	22,130	251.00	5,555
1994	10,200	9,700	2.54	24,640	286.00	7,047
1995	18,400	18,200	1.66	30,210	316.00	9,546
1996	15,100	14,400	1.92	27,650	306.00	8,461
1997	18,900	18,200	2.21	40,220	210.00	8,446
1998	19,600	17,500	2.20	38,500	330.00	12,705
1999	15,500	14,900	2.13	31,730	314.00	9,963
2000	16,500	16,300	2.01	32,810	204.00	6,693
SNAP BEANS						
1991	23,800	23,400	3.15	73,710	190.00	14,005
1992	18,700	17,600	2.45	43,120	178.00	7,675
1993	18,300	16,900	3.20	54,080	199.00	10,762
1994	18,000	17,300	3.52	60,900	171.00	10,414
1995	22,300	21,400	3.59	76,830	165.00	12,677
1996	21,100	20,200	3.50	70,700	186.00	13,150
1997	23,500	22,800	3.40	77,520	148.00	11,473
1998	21,200	20,800	3.70	76,990	176.00	13,563
1999	21,500	21,200	3.42	72,550	190.00	13,808
2000	28,800	26,500	3.37	89,310	193.00	17,235
SWEET CORN						
1991	33,200	31,100	3.80	118,180	70.20	8,296
1992	33,900	30,800	5.50	169,400	65.20	11,045
1993	33,400	30,800	6.90	212,520	76.60	16,279
1994	32,500	30,300	6.80	206,040	65.40	13,475
1995	40,300	38,500	5.80	223,300	73.60	16,435
1996	41,900	40,900	5.50	224,950	72.30	16,264
1997	40,400	39,300	6.40	251,520	60.10	15,116
1998	42,000	39,200	5.60	219,520	70.60	15,498
1999	33,100	32,500	5.52	179,390	70.60	12,664
2000	30,700	29,000	5.33	154,650	75.00	11,599

MUCKLAND SURVEY

The 2000 Muckland Survey, which was conducted in New York's five major muckland vegetable areas, showed an increase of 6 percent in muckland utilized for crops, up to 26,957 acres this year, and up 4 percent from the 26,008 acres planted in 1999. Across the state, onion acreage barely increased from 10,983 acres in 1999 to 11,001 acres in 2000. Total potato acreage tumbled another 29 percent this year after dropping 29 percent last year. Total potato acreage is 736 in 2000. Acreage not planted at the time of the survey (*June 14-26*) increased 28 percent from last year's season, mostly due to the wet spring and summer.

In the Orange County mucklands, which include Chester and outlying areas, acreage planted to onions (*seed, sets, and transplants*) rose 4 percent, up to 5,039 acres. Turf grass shot up 49 percent, from 2,037 to 3,035 acres. Field corn fell 12 percent, and sweet corn dropped 24 percent. Acreage not planted by the survey completion date was 27 percent lower than last year's acreage, down from 1,343 acres last year to 975 unplanted acres this year.

Oswego County onion acreage showed a 1 percent increase from last year, up to 2,253 acres. Lettuce acreage took another dive, down 36 percent from 107

acres in 1999 to 68 in 2000. Sweet corn acres increased from 33 acres last year to 38 acres this year. Unplanted acres jumped 36 percent to 800.

In Orleans and Genesee Counties, onion acreage dipped 3 percent from 1999 and potato acreage plunged 47 percent this year, after dropping 39 percent last year. Potato acreage in 2000 totaled 361. Field corn dropped 53 percent after a big jump last year. Acreage not planted by the survey completion date was at 2,052 acres, up 151 percent from 817 acres last year.

Madison and Oneida County mucklands onion acreage increased 9 percent from 176 acres in 1999 to 191 acres in 2000. Potato acreage dropped to 186 acres, down 19 percent from a year earlier. Field corn took a 23 percent fall to 284 acres. Acreage not planted was 8 percent higher than in 1999.

The Ontario, Steuben, and Yates Counties muck region saw a 44 percent decrease in carrot acreage, down from 507 acres in 1999 to 283 acres this year. Onion acreage decreased 12 percent. Sweet corn dropped 1 percent to 294 acres.

Table 24. MUCKLAND ACRES: Gross Acres of Crops, 1999 and 2000 ^{1/}

Crop	Orange County		Oswego County		Orleans-Genesee		Madison-Oneida		Ontario-Steuben-Yates	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
Onions	4,854	5,039	2,228	2,253	2,538	2,474	176	191	1,187	1,044
Lettuce	279	246	107	68	0	0	57	5	0	0
Potatoes	60	68	14	2	676	361	230	186	50	119
Field Corn	1,091	958	0	8	732	347	368	284	0	15
Sweet Corn	306	232	33	38	88	4	52	44	297	294
Carrots	103	123	6	2	0	38	0	0	507	283
Turf Grass	2,037	3,035	0	0	78	36	83	78	0	0
Other Crops	1,726	2,234	240	126	371	181	80	271	468	865
Not Planted ^{2/}	1,343	975	587	800	817	2,052	1,326	1,431	136	147
TOTAL	11,799	12,910	3,215	3,297	5,300	5,493	2,372	2,490	2,645	2,767

^{1/} Based on gross acres in field including land taken up by ditches, hedges, driveways and small buildings. Includes double cropping.

^{2/} Not planted (*idle*) acreage at time of survey (*June 14-26*).