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# ***SURVEY DESCRIPTION***

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## ***Objectives***

The 2001 New York Orchard and Vineyard Survey had the following objectives: establish the number of acres and trees of each major fruit by county; obtain counts of commercial operations growing each fruit species; summarize apple acres by age, variety, and density and establish the number of acres of each major grape variety and rootstock by county. This publication is used by growers, the fruit industry, researchers, marketing and promotion associations, processors, and agricultural government agencies to assess changes occurring in the New York fruit industry. The publication continues the data series established in 1957 and last conducted for the 1996 crop year.

## ***Survey Design***

Three separate questionnaires were developed for use in gathering 2001 crop data. A single fruit tree questionnaire was designed to collect data for all growers with one or more acres of apples, peaches, pears, tart or sweet cherries. Similar to the 1996 survey, apple acres were broken down by number of acres by year planted. In addition, number of apple acres were again obtained by planting density. Data for grape growers with less than 10 acres was collected on an abbreviated questionnaire while those with 10 or more acres of grapes completed a detailed version. These formats are consistent with the 1996 survey as requested by industry specialists and growers.

## ***Data Collection***

The list construction for this survey began with the New York Agricultural Statistics Service's fruit list. Lists were obtained from numerous outside sources. These lists were merged and duplication removed.

The first phase of data collection began with mailing both the tree fruit and grape growers questionnaires in December 2001. If any grape grower was found to have the other fruits of interest they were sent a fruit tree questionnaire and vice versa. There was a 29 percent mail response from the tree fruit growers and a 40 percent response rate from the grape growers.

The second phase of data collection involved telephone follow-up of operations that failed to respond by mail. Grape growers and smaller fruit tree growers were contacted. The larger apple growers were not contacted by phone due to the complexity and length of the questionnaire.

The third and final phase consisted of sending the remaining incomplete questionnaires, including the larger apple growers to field enumerators for personal interviews. Data collection was completed on this phase in June 2002, with overall response rates of 75 percent for tree fruits and 81 percent for grapes.

## ***Data Tabulation***

Approximately 2,000 questionnaires were tabulated for the orchard and vineyard surveys. After editing the data for completeness, the records were then summarized using Statistical Analysis Systems (SAS) software. The five tree fruits were summarized separately from the grapes. Survey results were tabulated by county, variety, density, and age of plantings. In addition, rootstock data were summarized for grapes.

Fruit operations declining to participate in the survey and those we could not contact were estimated by using alternate sources. The relative size of the operation and fruit types grown were estimated based on past surveys, observations, and similar operations. Expansions were computed by county for nonresponse and for incompleteness in our list.

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# *SUMMARY*

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New York's fruit tree and grapes totaled 84,160 acres as of January 1, 2002. This is 6 percent less than the comparable acres recorded from the 1996 survey.

Apples, pears, and tart cherries all showed decreases in acreage since 1996, while peaches, sweet cherries and grapes each posted increases. Pears showed the greatest decline with acreage down 26 percent and trees down 7 percent. Peaches posted the largest increase with acreage moving up 11 percent and trees jumping 30 percent.

Many farmers are moving towards alternative retail markets to supplement the weakening wholesale apple market.

Apple acreage decreased 13 percent while the total number of trees increased one percent, reflecting the continued trend of increased density planting methods.

Grapes and tart cherries remained relatively stable with grape acreage increasing 5 percent and tart cherry acreage decreasing one percent from the 1996 levels.

**TREE FRUITS AND VINEYARDS**  
*Number of farms, trees, and acres, by kind of fruit, 1962-2001*

Fruit and Year	Number of Farms	Number of Trees	Number of Acres	Fruit and Year	Number of Farms	Number of Trees	Number of Acres
<b><u>APPLES</u></b>				<b><u>SWEET CHERRIES</u></b>			
1962	2,072	2,691,660	76,066	1962	908	138,888	2,571
1966	1,741	2,886,752	74,376	1966	801	149,240	2,663
1970	1,288	3,255,888	72,569	1970	553	132,049	2,038
1975	1,218	3,554,996	66,742	1975	441	103,203	1,749
1980	1,183	4,554,483	74,346	1980	394	87,875	1,665
1985	1,043	5,052,307	68,520	1985	257	66,695	1,073
1990	801	5,484,346	56,101	1990	183	40,600	743
1996	679	7,444,164	51,097	1996	128	62,997	768
2001	695	7,544,740	44,563	2001	185	86,418	783
<b><u>PEACHES</u></b>				<b><u>GRAPES</u></b>			
1962	935	411,671	4,775	1962	N/A	-	N/A
1966	722	342,400	3,777	1966	2,176	-	33,211
1970	454	217,376	2,462	1970	2,058	-	36,879
1975	405	207,692	2,275	1975	2,153	-	42,553
1980	471	240,748	2,725	1980	1,968	-	41,979
1985	377	249,558	2,260	1985	1,524	-	38,226
1990	306	195,434	1,757	1990	1,095	-	32,846
1996	207	183,962	1,611	1996	990	-	31,401
2001	255	239,758	1,795	2001	962	-	32,994
<b><u>PEARS</u></b>				<b><u>TOTAL FRUIT</u><sup>//</sup></b>			
1962	1,012	403,811	4,716	1962	N/A	-	N/A
1966	987	511,534	5,593	1966	N/A	-	128,974
1970	734	456,822	5,044	1970	3,245	-	126,579
1975	620	392,285	4,282	1975	3,244	-	124,091
1980	549	338,419	3,946	1980	3,024	-	132,184
1985	447	312,425	2,868	1985	2,754	-	120,113
1990	329	280,426	2,406	1990	2,148	-	98,246
1996	209	214,866	1,951	1996	1,744	-	89,436
2001	239	200,765	1,441	2001	1,690	-	84,160
<b><u>TART CHERRIES</u></b>							
1962	1,277	758,150	8,754				
1966	923	625,658	7,056				
1970	585	542,530	5,985				
1975	441	443,994	4,942				
1980	421	552,366	6,247				
1985	347	668,156	6,339				
1990	218	392,948	3,831				
1996	130	270,475	2,608				
2001	126	264,435	2,584				

N/A - Not available. <sup>1/</sup> 1962-1990 including plums and prunes.

**ALL FRUIT**  
*Acres by kind and county, 2001*

County	Apples	Grapes	Peaches	Pears	Tart Cherries	Sweet Cherries
Albany	<u>1/</u>	<u>1/</u>	-	<u>1/</u>	-	-
Broome	60	-	-	-	-	<u>1/</u>
Cattaraugus	<u>1/</u>	517	-	-	-	-
Cayuga	146	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Chautauqua	150	17,877	29	<u>1/</u>	39	58
Chemung	597	-	<u>1/</u>	-	-	<u>1/</u>
Clinton	3,436	-	-	-	-	-
Columbia	1,349	152	88	187	14	28
Dutchess	608	105	33	46	<u>1/</u>	<u>1/</u>
Erie	<u>1/</u>	1,661	-	<u>1/</u>	<u>1/</u>	-
Essex	<u>1/</u>	-	-	-	-	-
Fulton	<u>1/</u>	-	-	<u>1/</u>	-	-
Genesee	<u>1/</u>	-	<u>1/</u>	<u>1/</u>	-	<u>1/</u>
Greene	<u>1/</u>	-	<u>1/</u>	<u>1/</u>	-	<u>1/</u>
Livingston	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Monroe	1,103	131	60	<u>1/</u>	<u>1/</u>	<u>1/</u>
Nassau	-	<u>1/</u>	-	-	-	-
Niagara	4,250	901	638	362	452	314
Onondaga	582	-	-	-	-	<u>1/</u>
Ontario	354	503	33	<u>1/</u>	<u>1/</u>	<u>1/</u>
Orange	695	<u>1/</u>	59	<u>1/</u>	-	<u>1/</u>
Orleans	4,805	<u>1/</u>	137	83	239	64
Oswego	511	-	<u>1/</u>	84	<u>1/</u>	<u>1/</u>
Saratoga	506	<u>1/</u>	<u>1/</u>	<u>1/</u>	-	-
Schoharie	101	-	<u>1/</u>	<u>1/</u>	-	-
Schuyler	<u>1/</u>	871	10	<u>1/</u>	8	40
Seneca	<u>1/</u>	858	-	<u>1/</u>	-	<u>1/</u>
Steuben	<u>1/</u>	1,680	<u>1/</u>	<u>1/</u>	-	-
Suffolk	191	1,927	247	<u>1/</u>	<u>1/</u>	<u>1/</u>
Tompkins	<u>1/</u>	-	<u>1/</u>	-	-	-
Ulster	5,669	161	106	309	<u>1/</u>	48
Washington	305	-	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Wayne	17,156	180	292	241	1,767	157
Wyoming	<u>1/</u>	-	-	<u>1/</u>	<u>1/</u>	-
Yates	289	5,212	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Other	1,700	257	63	131	65	73
<b>TOTAL <u>2/</u></b>	<b>44,563</b>	<b>32,994</b>	<b>1,795</b>	<b>1,441</b>	<b>2,584</b>	<b>783</b>

1/ Not published to avoid disclosure of individual operations. Included in Other.

2/ May not add due to rounding.

# APPLES

The total number of apple trees in New York increased one percent from 1996 while the total apple acreage declined by 13 percent. The inventory of all apple trees in 2001 amounted to 7.54 million trees compared to 7.44 million trees in 1996. Trees planted at a density of less than 100 trees per acre accounted for 10 percent of the total. Plantings between 100 and 349 trees per acre accounted for 58 percent of all trees while plantings at a density of 350 or greater comprised 32 percent. Of the total apple acreage in New York, 31 percent contains trees planted in 1977 or earlier while plantings between 2000 and 2001 accounted for 4 percent of the acreage. Of the newly planted acres, 91 percent were planted at a density of 100 or more trees per acre.

Wayne County, with 17,156 acres, remained the major producing county accounting for 38 percent of the state's

apple acreage. Ulster County continued in second position with 5,669 acres or 13 percent of the total acreage. Orleans County retained third place with 4,805 acres, 11 percent of the total acreage. Niagara County ranked fourth with 4,250 acres while Clinton County held onto fifth position with 3,436 acres. These top five counties comprised 35,316 acres, 79 percent of New York's apple acreage.

The leading apple variety in 2001 was McIntosh with 8,345 acres reported, 19 percent of the state total. Empire was

second with 4881 acres, 11 percent of the total. Other major varieties in descending order were: Red Delicious, Rome, Cortland and Idared. Of the new plantings in 2000-2001, McIntosh held 20 percent of the total and Honey Crisp 14 percent.

In 2001 the number of apple farms totaled 695, an increase of two percent from 1996. Average number of apple acres per farm in 2001 was 64 compared to 75 in 1996. There were 42 apple farms with 200 acres or more which held 18,242 acres or 41 percent of the total acreage.

## LEADING APPLE COUNTIES

County	Acres		
	1990	1996	2001
Wayne	17,765	15,502	17,156
Ulster	9,996	8,632	5,669
Orleans	5,379	5,855	4,805
Niagara	4,212	4,949	4,250
Clinton	3,636	2,854	3,436
Columbia	3,237	2,657	1,349
Monroe	2,328	1,669	1,103
Orange	1,524	1,209	695
Dutchess	1,111	1,088	608
Onondaga	1,144	1,388	582

**APPLES**  
*Number of farms, acres, and trees, by county, 2001*

County	Farms	Acres	Number of trees by planting density			
			Number of trees per acre			
			Total	Less than 100 trees	100-349 trees	350+ trees
	<u>Number</u>		----- <u>Trees</u> -----			
Broome	8	60	13,755	1,798	2,385	9,573
Cayuga	9	146	23,472	1,289	22,132	52
Chautauqua	20	150	16,801	5,032	2,995	8,775
Chemung	7	597	37,617	35,752	1,865	-
Clinton	13	3,436	458,654	99,144	246,613	112,897
Columbia	34	1,349	268,812	12,060	206,429	50,323
Dutchess	20	608	99,050	8,512	70,991	19,547
Monroe	27	1,103	191,446	9,039	150,980	31,426
Niagara	46	4,250	743,269	9,314	604,591	129,363
Onondaga	14	582	163,671	239	67,929	95,503
Ontario	10	354	159,367	637	23,232	135,497
Orange	16	695	78,411	18,550	26,100	33,761
Orleans	61	4,805	1,100,076	41,543	548,330	510,203
Oswego	14	511	112,182	5,046	50,079	57,057
Saratoga	12	506	94,437	5,836	42,017	46,584
Schoharie	5	101	13,812	2,114	8,662	3,037
Suffolk	15	191	36,663	308	21,151	15,204
Ulster	56	5,669	968,581	42,890	676,439	249,253
Washington	17	305	37,472	5,354	31,211	907
Wayne	159	17,156	2,693,389	368,902	1,507,646	816,841
Yates	12	289	26,576	7,803	18,773	-
Other	120	1,700	207,230	46,170	91,271	69,788
<b>TOTAL</b>	<b>695</b>	<b>44,563</b>	<b>7,544,740</b>	<b>727,329</b>	<b>4,421,820</b>	<b>2,395,591</b>

# APPLES

## Number of farms and acres, by size, 1996 and 2001

Area and Size Group	1996				2001			
	Farms		Acres		Farms		Acres	
<i>(Apple acres per farm)</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
Less than 10	152	22	710	1	257	37	1,022	2
10 - 19.9	124	18	1,628	3	95	14	1,478	3
20 - 49.9	137	20	4,649	9	137	20	5,364	12
50 - 99.9	129	19	9,134	18	106	15	8,540	19
100 - 199.9	79	12	11,111	22	58	8	9,917	23
200+	58	9	23,865	47	42	6	18,242	41
<b>TOTAL</b>	<b>679</b>	<b>100</b>	<b>51,097</b>	<b>100</b>	<b>695</b>	<b>100</b>	<b>44,563</b>	<b>100</b>

**APPLES**  
*Number of acres by variety and year set, 2001*

Variety	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years	Total Acres	Total Trees
Cortland	109	612	983	735	1,055	3,494	543,944
Crispin	33	204	682	545	378	1,841	287,471
Empire	106	569	2,305	1,431	471	4,881	1,119,449
Gala	184	661	322	64	17	1,248	393,905
Gingergold	65	283	220	<u>1/</u>	<u>1/</u>	572	158,763
Golden Delicious	81	355	638	503	969	2,545	379,312
Honey Crisp	249	206	19	<u>1/</u>	<u>1/</u>	483	160,413
Idared	87	246	629	1,000	1,436	3,398	441,760
Jerseymac	<u>1/</u>	28	70	173	<u>1/</u>	298	51,004
Jonagold	63	398	608	124	32	1,225	319,001
Jonamac	<u>1/</u>	86	486	322	<u>1/</u>	972	185,713
Macoun	47	181	511	174	92	1,005	203,699
McIntosh	353	888	2,018	1,987	3,100	8,345	1,275,450
Northern Spy	25	108	179	148	338	797	120,454
Paula Red	12	41	167	250	138	607	91,437
Red Delicious	82	582	1,059	1,310	1,094	4,126	645,210
Rome	122	224	774	1,106	1,768	3,995	498,753
R.I. Greening	12	18	59	215	1,411	1,715	122,155
Spartan	13	76	206	140	198	632	133,371
Twenty Ounce	18	54	54	158	558	843	83,270
Other	137	340	333	188	544	1,542	330,207
<b>TOTAL <u>2/</u></b>	<b>1,800</b>	<b>6,159</b>	<b>12,321</b>	<b>10,579</b>	<b>13,704</b>	<b>44,563</b>	<b>7,544,740</b>

1/ Not published to avoid disclosure of individual operations. Included in State total.

2/ May not add due to rounding.

# APPLES

*Number of acres by variety and year set, by planting density, 2001*

Variety	Less than 100 trees per acre						Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years			
Cortland	6	38	195	171	747	1,156	56,822	
Crispin	9	25	197	122	140	493	27,575	
Empire	21	42	90	134	91	378	22,909	
Gala	8	31	31	6	5	80	4,356	
Gingergold	-	9	7	<u>1/</u>	<u>1/</u>	18	582	
Golden Delicious	2	22	124	67	546	762	46,500	
Honey Crisp	11	25	<u>1/</u>	5	<u>1/</u>	47	2,055	
Idared	<u>1/</u>	31	98	223	611	966	66,987	
Jerseymac	-	<u>1/</u>	19	42	12	74	3,634	
Jonagold	1	15	61	<u>1/</u>	12	92	6,751	
Jonamac	-	<u>1/</u>	74	14	7	97	5,980	
Macoun	<u>1/</u>	18	75	33	47	176	8,797	
McIntosh	31	81	240	386	2,178	2,915	172,084	
Northern Spy	<u>1/</u>	12	67	27	241	348	17,983	
Paula Red	<u>1/</u>	14	63	33	42	155	8,584	
Red Delicious	45	30	151	148	505	878	42,598	
Rome	3	11	84	177	1,261	1,536	98,687	
R.I. Greening	-	<u>1/</u>	35	56	1,201	1,293	68,273	
Spartan	-	<u>1/</u>	<u>1/</u>	11	55	74	4,318	
Twenty Ounce	<u>1/</u>	<u>1/</u>	6	131	353	493	28,595	
Other	9	25	85	57	393	568	33,258	
<b>TOTAL <u>2/</u></b>	<b>156</b>	<b>437</b>	<b>1,711</b>	<b>1,845</b>	<b>8,449</b>	<b>12,599</b>	<b>727,329</b>	

1/ Not published to avoid disclosure of individual operations. Included in total.

2/ May not add due to rounding.

## APPLES

*Number of acres by variety and year set, by planting density, 2001*

Variety	100-349 trees per acre						Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years			
Cortland	88	429	635	545	308	2,004	325,753	
Crispin	12	126	419	407	238	1,203	194,624	
Empire	80	394	1,600	1,176	341	3,591	654,853	
Gala	133	355	141	55	12	697	132,388	
Gingergold	52	161	163	<u>1/</u>	<u>1/</u>	379	65,129	
Golden Delicious	50	287	426	419	412	1,593	244,061	
Honey Crisp	116	83	11	<u>1/</u>	<u>1/</u>	211	41,975	
Idared	77	209	506	751	807	2,349	332,551	
Jerseymac	<u>1/</u>	26	38	125	<u>1/</u>	198	36,970	
Jonagold	42	227	396	91	20	776	140,598	
Jonamac	-	78	349	292	63	782	137,428	
Macoun	30	100	338	125	40	632	99,852	
McIntosh	243	572	1,522	1,511	871	4,719	775,104	
Northern Spy	<u>1/</u>	<u>1/</u>	88	121	93	359	58,261	
Paula Red	9	20	92	205	82	408	63,960	
Red Delicious	34	478	806	1,057	572	2,947	461,585	
Rome	119	197	627	926	504	2,373	359,121	
R.I. Greening	12	16	22	159	210	418	51,022	
Spartan	<u>1/</u>	<u>1/</u>	155	129	132	457	83,002	
Twenty Ounce	17	51	47	24	203	342	51,050	
Other	68	170	132	131	144	645	112,534	
<b>TOTAL <u>2/</u></b>	<b>1,189</b>	<b>4,070</b>	<b>8,513</b>	<b>8,252</b>	<b>5,060</b>	<b>27,084</b>	<b>4,421,820</b>	

1/ Not published to avoid disclosure of individual operations. Included in total.

2/ May not add due to rounding.

## APPLES

*Number of acres by variety and year set, by planting density, 2001*

Variety	350+ trees per acre					Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years		
Cortland	16	145	153	19	-	333	161,369
Crispin	12	53	65	16	-	146	65,273
Empire	5	133	615	121	38	912	441,687
Gala	43	275	151	<u>1/</u>	<u>1/</u>	471	257,161
Gingergold	13	114	50	-	-	176	93,052
Golden Delicious	28	46	88	16	11	190	88,751
Honey Crisp	122	98	6	-	-	225	116,384
Idared	5	6	26	27	19	83	42,222
Jerseymac	<u>1/</u>	-	13	6	<u>1/</u>	26	10,400
Jonagold	21	156	151	29	-	357	171,652
Jonamac	-	6	63	17	8	93	42,305
Macoun	<u>1/</u>	64	98	16	<u>1/</u>	197	95,050
McIntosh	79	235	256	91	51	711	328,262
Northern Spy	20	42	24	-	5	90	44,210
Paula Red	-	7	12	12	14	44	18,893
Red Delicious	<u>1/</u>	74	102	105	<u>1/</u>	301	141,026
Rome	-	17	64	<u>1/</u>	<u>1/</u>	86	40,945
R.I. Greening	-	<u>1/</u>	<u>1/</u>	-	-	<u>1/</u>	2,860
Spartan	11	35	44	-	11	101	46,050
Twenty Ounce	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	3,625
Other	60	146	116	-	7	328	184,414
<b>TOTAL <u>2/</u></b>	<b>455</b>	<b>1,652</b>	<b>2,097</b>	<b>482</b>	<b>195</b>	<b>4,881</b>	<b>2,395,591</b>

1/ Not published to avoid disclosure of individual operations. Included in total.

2/ May not add due to rounding.

# APPLES

*Number of acres by variety and year set, by county, 2001 1/*

Variety	Less than 100 trees per acre						Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years			
<b><u>Clinton &amp; Essex</u></b>								
Cortland	-	-	11	39	136	187	11,257	
Crispin	-	-	-	72	56	128	6,105	
McIntosh	<u>2/</u>	<u>2/</u>	-	126	1,122	1,253	81,652	
Paula Red	<u>2/</u>	<u>2/</u>	29	<u>2/</u>	4	37	2,613	
Other	-	<u>2/</u>	<u>2/</u>	5	35	49	2,621	
Total	<u>2/</u>	<u>2/</u>	45	243	1,353	1,654	104,248	
<b><u>Columbia</u></b>								
McIntosh	-	5	1	15	6	26	1,826	
Other	7	28	43	83	38	199	10,234	
Total	7	33	45	98	43	225	12,060	
<b><u>Dutchess</u></b>								
Empire	-	<u>2/</u>	<u>2/</u>	-	27	29	573	
McIntosh	-	<u>2/</u>	<u>2/</u>	-	52	53	2,613	
Other	-	5	22	5	85	116	5,326	
Total	-	7	22	5	163	197	8,512	
<b><u>Monroe</u></b>								
Idared	-	-	-	15	20	35	2,708	
R.I. Greening	-	-	<u>2/</u>	<u>2/</u>	25	28	1,443	
Twenty Ounce	-	-	<u>2/</u>	<u>2/</u>	26	27	1,594	
Other	-	<u>2/</u>	<u>2/</u>	17	38	57	3,294	
Total	-	<u>2/</u>	<u>2/</u>	37	109	147	9,039	
<b><u>Niagara</u></b>								
Idared	-	<u>2/</u>	<u>2/</u>	7	22	33	2,124	
Red Delicious	-	<u>2/</u>	<u>2/</u>	-	25	29	1,818	
Rome	-	-	<u>2/</u>	<u>2/</u>	32	34	2,062	
Other	-	<u>2/</u>	14	<u>2/</u>	40	63	3,310	
Total	-	9	19	12	119	158	9,314	
<b><u>Orange</u></b>								
Cortland	-	-	11	7	68	86	3,191	
Golden Delicious	-	-	2	7	21	30	1,477	
McIntosh	-	-	11	11	74	97	4,474	
Red Delicious	-	4	26	19	41	89	3,703	
Other	2	9	62	45	6	124	5,706	
Total	2	13	112	89	210	426	18,550	

1/ Totals may not add due to rounding.

2/ Not published to avoid disclosure of individual operations. Included in total.

# APPLES

*Number of acres by variety and year set, by county, 2001 1/ (Continued)*

Variety	Less than 100 trees per acre						Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years			
<b>Orleans</b>								
Crispin	-	-	12	1	39	52	3,613	
Golden Delicious	-	-	<u>2/</u>	<u>2/</u>	38	41	2,525	
Idared	-	-	-	10	76	85	5,752	
McIntosh	-	-	<u>2/</u>	<u>2/</u>	38	44	3,086	
Red Delicious	-	-	<u>2/</u>	<u>2/</u>	33	38	2,476	
Rome	-	-	<u>2/</u>	<u>2/</u>	150	153	9,918	
R.I. Greening	-	-	<u>2/</u>	<u>2/</u>	45	48	2,708	
Twenty Ounce	-	-	<u>2/</u>	<u>2/</u>	47	47	3,216	
Other	-	13	8	11	76	107	8,248	
Total	-	13	28	33	541	615	41,543	
<b>Ulster</b>								
Cortland	-	-	30	<u>2/</u>	12	46	2,162	
Crispin	-	-	64	<u>2/</u>	<u>2/</u>	65	1,960	
Empire	-	-	20	15	5	41	2,663	
Gala	-	14	13	-	-	27	1,378	
Golden Delicious	<u>2/</u>	<u>2/</u>	18	16	54	91	4,835	
McIntosh	-	43	78	28	134	283	10,967	
Paula Red	-	-	11	-	16	26	1,992	
Red Delicious	<u>2/</u>	<u>2/</u>	46	68	103	264	9,391	
Rome	-	-	15	16	30	60	4,275	
Other	-	<u>2/</u>	<u>2/</u>	12	49	63	3,267	
Total	45	62	296	160	403	966	42,890	
<b>Wayne</b>								
Cortland	-	13	42	85	310	450	23,647	
Crispin	-	16	21	40	36	113	7,128	
Empire	-	11	16	32	14	73	4,315	
Golden Delicious	-	9	16	25	318	367	26,477	
Idared	<u>2/</u>	<u>2/</u>	85	151	475	735	52,835	
McIntosh	-	9	45	160	384	597	42,700	
Northern Spy	-	<u>2/</u>	<u>2/</u>	5	147	156	8,658	
Paula Red	-	<u>2/</u>	<u>2/</u>	<u>2/</u>	21	28	465	
Red Delicious	-	9	14	38	132	193	12,342	
Rome	<u>2/</u>	<u>2/</u>	39	147	996	1,194	78,144	
R.I. Greening	-	-	15	49	1,117	1,181	61,893	
Twenty Ounce	-	<u>2/</u>	<u>2/</u>	125	278	410	23,403	
Other	<u>2/</u>	<u>2/</u>	40	50	300	412	26,897	
Total	9	121	342	910	4,525	5,908	368,902	

1/ Totals may not add due to rounding.

2/ Not published to avoid disclosure of individual operations. Included in total.

# APPLES

*Number of acres by variety and year set, by county, 2001 <sup>1/</sup>*

Variety	100-349 trees per acre					Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years		
<b>Clinton &amp; Essex</b>							
Cortland	16	40	38	23	32	150	29,861
Crispin	-	-	39	-	-	39	6,660
Empire	-	<u>2/</u>	<u>2/</u>	20	18	48	7,981
Honey Crisp	21	8	-	-	-	30	6,385
McIntosh	125	191	424	357	133	1,230	186,104
Paula Red	<u>2/</u>	<u>2/</u>	<u>2/</u>	23	37	72	8,995
Other	<u>2/</u>	<u>2/</u>	28	32	36	99	14,294
Total	164	242	549	456	256	1,667	260,278
<b>Columbia</b>							
Cortland	<u>2/</u>	13	21	12	<u>2/</u>	55	10,788
Crispin	<u>2/</u>	5	15	5	<u>2/</u>	27	5,119
Empire	-	5	110	59	8	182	39,505
Gala	<u>2/</u>	40	5	<u>2/</u>	-	47	11,986
Golden Delicious	<u>2/</u>	6	20	17	<u>2/</u>	49	7,535
McIntosh	<u>2/</u>	<u>2/</u>	88	67	10	175	36,866
Red Delicious	<u>2/</u>	28	95	28	<u>2/</u>	176	33,786
Rome	-	<u>2/</u>	22	22	<u>2/</u>	46	10,704
Spartan	-	<u>2/</u>	<u>2/</u>	13	24	47	11,933
Other	12	53	46	83	7	201	38,207
Total	27	162	430	307	79	1,005	206,429
<b>Dutchess</b>							
Empire	-	-	9	62	12	82	14,821
Jonamac	-	<u>2/</u>	<u>2/</u>	25	<u>2/</u>	26	5,835
McIntosh	-	5	28	5	-	39	7,536
Red Delicious	<u>2/</u>	<u>2/</u>	38	15	14	69	12,056
Rome	-	-	5	20	-	25	4,851
Other	<u>2/</u>	25	35	46	<u>2/</u>	123	25,892
Total	<u>2/</u>	<u>2/</u>	117	173	40	365	70,991
<b>Monroe</b>							
Cortland	-	6	15	31	29	81	13,011
Crispin	<u>2/</u>	<u>2/</u>	19	26	18	65	9,951
Empire	-	6	82	48	5	141	25,572
Golden Delicious	<u>2/</u>	<u>2/</u>	30	16	35	85	13,614
Idared	-	6	20	20	67	113	16,545
Jonagold	<u>2/</u>	<u>2/</u>	11	12	-	26	4,735
Jonamac	<u>2/</u>	<u>2/</u>	38	20	<u>2/</u>	58	10,251
McIntosh	<u>2/</u>	-	43	36	<u>2/</u>	87	16,191
Red Delicious	<u>2/</u>	<u>2/</u>	9	27	24	61	11,270
Rome	-	13	17	10	22	62	10,266
Twenty Ounce	<u>2/</u>	-	<u>2/</u>	4	22	30	4,712
Other	7	14	31	14	13	80	14,861
Total	16	54	315	266	239	889	150,980

<sup>1/</sup> Totals may not add due to rounding.

2/ Not published to avoid disclosure of individual operations. Included in total.

# APPLES

*Number of acres by variety and year set, by county, 2001 1/ (Continued)*

Variety	100-349 trees per acre						Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years			
<b>Niagara</b>								
Cortland	-	68	104	114	35	321	49,551	
Crispin	<u>2/</u>	11	55	77	<u>2/</u>	145	20,672	
Empire	-	83	199	188	10	479	83,104	
Gala	-	51	45	40	12	148	25,043	
Gingergold	14	23	82	-	-	119	16,794	
Golden Delicious	-	27	96	89	8	220	30,597	
Honey Crisp	17	16	<u>2/</u>	<u>2/</u>	-	35	6,024	
Idared	-	26	61	32	48	167	25,120	
Jonagold	-	34	80	25	9	147	28,350	
Macoun	-	21	11	<u>2/</u>	<u>2/</u>	36	5,783	
McIntosh	-	44	142	136	45	367	64,958	
Northern Spy	-	<u>2/</u>	27	20	<u>2/</u>	50	7,565	
Paula Red	<u>2/</u>	<u>2/</u>	33	40	<u>2/</u>	80	12,358	
Red Delicious	-	218	204	453	138	1,012	147,462	
Rome	<u>2/</u>	<u>2/</u>	101	106	41	271	43,463	
Spartan	-	25	67	37	26	154	25,359	
Other	<u>2/</u>	32	<u>2/</u>	21	<u>2/</u>	81	12,387	
Total	40	704	1,332	1,380	377	3,833	604,591	
<b>Onondaga</b>								
Empire	<u>2/</u>	<u>2/</u>	8	15	12	37	7,457	
Idared	-	<u>2/</u>	<u>2/</u>	18	18	39	8,107	
McIntosh	-	-	20	23	51	93	15,889	
Red Delicious	-	<u>2/</u>	<u>2/</u>	31	4	38	6,778	
Other	<u>2/</u>	<u>2/</u>	54	50	29	147	29,698	
Total	<u>2/</u>	<u>2/</u>	84	137	115	353	67,929	
<b>Orange</b>								
Cortland	-	-	-	26	-	26	3,358	
Other	-	13	72	22	60	168	22,742	
Total	-	13	72	48	60	194	26,100	
<b>Orleans</b>								
Cortland	<u>2/</u>	<u>2/</u>	69	55	52	200	36,556	
Crispin	<u>2/</u>	<u>2/</u>	78	31	97	233	38,836	
Empire	-	25	293	149	57	524	101,273	
Gala	13	57	12	<u>2/</u>	<u>2/</u>	84	21,984	
Golden Delicious	<u>2/</u>	45	<u>2/</u>	26	160	253	43,251	
Idared	<u>2/</u>	<u>2/</u>	66	52	152	295	44,294	
Jonagold	<u>2/</u>	15	29	22	<u>2/</u>	75	15,563	
Jonamac	<u>2/</u>	<u>2/</u>	39	39	12	92	17,880	
Macoun	<u>2/</u>	<u>2/</u>	9	16	<u>2/</u>	27	4,767	
McIntosh	16	32	127	95	88	358	62,402	
Paula Red	-	-	<u>2/</u>	46	<u>2/</u>	53	9,491	
Red Delicious	8	7	39	136	43	232	37,443	
Rome	11	6	96	109	116	337	59,639	
Spartan	<u>2/</u>	<u>2/</u>	17	13	18	51	10,130	
Twenty Ounce	12	9	<u>2/</u>	<u>2/</u>	38	63	12,059	
Other	<u>2/</u>	71	22	<u>2/</u>	43	156	32,765	
Total	76	340	924	811	881	3,033	548,330	

1/ Totals may not add due to rounding.

2/ Not published to avoid disclosure of individual operations. Included in total.

# APPLES

*Number of acres by variety and year set, by county, 2001 1/ (Continued)*

Variety	100-349 trees per acre						Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years			
<b>Ulster</b>								
Cortland	2/	2/	64	62	24	173	26,465	
Crispin	-	2/	37	2/	-	40	5,926	
Empire	47	137	284	294	123	885	143,600	
Gala	97	79	26	9	-	210	29,718	
Gingergold	2/	36	9	2/	-	51	9,266	
Golden Delicious	12	25	62	76	31	205	32,376	
Idared	-	2/	2/	36	32	80	12,309	
Jerseymac	-	19	2/	28	2/	52	9,819	
Jonagold	2/	17	47	2/	-	66	10,991	
Jonamac	-	55	99	119	49	323	49,425	
Macoun	2/	38	136	21	2/	206	27,202	
McIntosh	51	86	119	187	144	587	94,502	
Paula Red	2/	12	2/	36	30	84	10,576	
Red Delicious	2/	147	180	2/	198	668	104,359	
Rome	4	77	110	271	55	517	81,596	
Spartan	-	-	11	39	36	86	13,389	
Other	16	29	35	2/	2/	92	14,921	
Total	248	777	1,241	1,329	727	4,323	676,439	
<b>Wayne</b>								
Cortland	55	209	273	160	86	782	119,510	
Crispin	2/	2/	145	206	107	531	83,829	
Empire	25	120	485	290	52	972	189,054	
Gala	13	104	26	-	-	143	31,448	
Gingergold	32	65	53	-	-	149	26,212	
Golden Delicious	32	152	169	173	145	671	99,811	
Honey Crisp	41	19	2/	2/	-	65	13,814	
Idared	76	133	317	548	453	1,527	206,640	
Jonagold	30	149	174	2/	2/	372	64,692	
Jonamac	-	11	117	58	-	185	37,307	
Macoun	12	10	94	11	10	136	24,620	
McIntosh	21	139	394	463	295	1,311	209,658	
Northern Spy	2/	49	2/	65	64	217	35,745	
Paula Red	2/	2/	12	25	2/	44	7,928	
Red Delicious	17	50	183	144	91	484	77,939	
Rome	102	75	268	383	261	1,090	144,088	
R.I. Greening	12	14	20	156	175	377	44,878	
Spartan	2/	2/	51	11	-	64	12,084	
Twenty Ounce	2/	35	41	2/	139	225	29,837	
Other	50	54	45	60	84	292	48,554	
Total	526	1,460	2,907	2,778	1,966	9,637	1,507,646	

1/ Totals may not add due to rounding.

2/ Not published to avoid disclosure of individual operations. Included in total.

# APPLES

*Number of acres by variety and year set, by county, 2001 <sup>1/</sup>*

Variety	350+ trees per acre						Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years			
<b><u>Clinton &amp; Essex</u></b>								
Cortland	11	12	7	-	-	30	12,484	
Crispin	11	33	-	-	-	44	15,540	
Honey Crisp	41	15	6	-	-	62	27,913	
McIntosh	49	85	42	-	-	175	77,568	
Other	7	9	18	-	-	34	17,675	
Total	120	154	72	-	-	346	151,180	
<b><u>Columbia</u></b>								
Macoun	-	4	22	9	-	35	13,106	
Other	-	14	59	11	-	84	37,217	
Total	-	18	81	21	-	119	50,323	
<b><u>Dutchess</u></b>								
Total	18	12	10	6	-	46	19,547	
<b><u>Monroe</u></b>								
Total	<u>2/</u>	19	23	14	<u>2/</u>	67	31,426	
<b><u>Niagara</u></b>								
Empire	<u>2/</u>	<u>2/</u>	32	5	-	42	21,654	
Gala	<u>2/</u>	30	19	<u>2/</u>	-	51	25,390	
McIntosh	-	<u>2/</u>	26	<u>2/</u>	-	30	13,384	
Spartan	11	15	-	-	-	26	11,437	
Other	-	40	62	9	-	111	57,499	
Total	11	93	140	15	-	259	129,363	
<b><u>Onondaga</u></b>								
Cortland	-	28	-	-	-	28	13,104	
Empire	<u>2/</u>	9	44	25	<u>2/</u>	86	36,286	
McIntosh	-	12	18	27	-	57	24,752	
Other	<u>2/</u>	23	12	7	<u>2/</u>	46	21,362	
Total	7	71	74	59	5	217	95,503	
<b><u>Orange</u></b>								
Total	<u>2/</u>	10	64	<u>2/</u>	-	76	33,761	

<sup>1/</sup> Totals may not add due to rounding.

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

# APPLES

*Number of acres by variety and year set, by county, 2001 1/ (Continued)*

Variety	350+ trees per acre					Total Acres	Total Trees
	2000-01 1-3 years	1996-99 4-7 years	1987-95 8-16 years	1978-86 17-25 years	1977 & earlier 26+ years		
<b>Orleans</b>							
Empire	-	20	160	46	22	247	109,932
Gala	14	99	24	-	-	137	61,622
Gingergold	<u>2/</u>	41	<u>2/</u>	-	-	52	21,136
Golden Delicious	-	<u>2/</u>	25	<u>2/</u>	9	36	13,937
Honey Crisp	14	30	<u>2/</u>	-	-	45	22,631
Jonagold	<u>2/</u>	<u>2/</u>	30	21	<u>2/</u>	66	26,764
Jonamac	-	<u>2/</u>	18	<u>2/</u>	8	32	13,594
Macoun	<u>2/</u>	9	16	<u>2/</u>	<u>2/</u>	33	13,716
McIntosh	9	55	84	5	14	167	74,766
Red Delicious	-	25	13	8	16	63	26,869
Spartan	-	8	14	-	11	33	13,806
Cortland	-	16	56	-	-	72	32,717
Other	16	73	51	11	26	176	78,713
Total	62	394	496	96	108	1,157	510,203
<b>Ulster</b>							
Empire	-	-	43	-	-	43	31,950
Gala	-	6	43	-	-	50	45,965
Gingergold	-	6	22	-	-	29	24,751
Red Delicious	-	-	43	43	-	85	38,340
Rome	-	-	43	-	-	43	21,300
Other	3	-	129	-	-	131	86,947
Total	3	13	322	43	-	380	249,253
<b>Wayne</b>							
Cortland	-	39	42	7	-	87	45,442
Crispin	-	16	28	9	-	53	28,012
Empire	<u>2/</u>	68	277	28	<u>2/</u>	374	181,246
Gala	14	91	50	-	-	156	81,522
Gingergold	6	34	6	-	-	46	23,471
Golden Delicious	28	29	9	10	-	75	35,302
Honey Crisp	54	24	-	-	-	77	43,722
Idared	<u>2/</u>	<u>2/</u>	6	<u>2/</u>	12	28	15,984
Jonagold	18	72	52	-	-	141	72,234
Jonamac	-	-	40	7	-	47	21,304
Macoun	<u>2/</u>	34	8	<u>2/</u>	-	47	23,429
McIntosh	20	63	38	21	30	172	85,092
Northern Spy	19	30	20	-	-	68	33,176
Red Delicious	<u>2/</u>	29	23	37	<u>2/</u>	92	47,136
Rome	<u>2/</u>	<u>1/</u>	17	-	<u>2/</u>	28	13,576
Other	30	55	29	<u>2/</u>	<u>2/</u>	120	66,194
Total	201	595	642	126	48	1,611	816,841

1/ Totals may not add due to rounding.

2/ Not published to avoid disclosure of individual operations. Included in total.

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# PEACHES

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Peach acreage increased 11 percent in 2001 to a total of 1,795 acres. Total trees, at 239,758 increased 30 percent from the 1996 total of 183,962. The number of farms with peaches rose from 207 farms in 1996 to 255 farms in 2001, an increase of 23 percent. The leading county for peach acreage in 2001 was Niagara County with 638 acres; 36 percent of the state total. Wayne County was ranked second with 292 acres, 16 percent of the state total. Suffolk was third with 247 acres, Orleans fourth with 137 acres, and Ulster fifth with 106 acres.

## *LEADING PEACH COUNTIES*

County	Trees		
	1990	1996	2001
Niagara	35,847	56,237	95,384
Wayne	30,748	31,253	34,022
Suffolk	25,824	18,898	31,624
Orleans	14,195	8,645	25,208
Ulster	13,227	13,317	12,700

## **PEACHES**

### *Number of farms, trees, and acres, by county, 1996 and 2001*

County	1996			2001		
	Farms	Trees	Acres	Farms	Trees	Acres
Chautauqua	10	9,918	62	11	2,704	29
Columbia	15	4,666	58	21	7,603	88
Dutchess	8	6,398	44	9	4,224	33
Monroe	15	14,075	132	8	6,249	60
Niagara	25	56,237	462	31	95,384	638
Orange	9	8,821	99	6	7,403	33
Ontario	1/	1/	1/	12	5,146	59
Orleans	13	8,645	65	23	25,208	137
Schuyler	6	1,392	16	6	1,315	10
Suffolk	9	18,898	177	14	31,624	247
Ulster	18	13,317	136	23	12,700	106
Wayne	52	31,253	260	60	34,022	292
Other	27	10,342	100	31	6,176	63
<b>TOTAL</b>	<b>207</b>	<b>183,962</b>	<b>1,611</b>	<b>255</b>	<b>239,758</b>	<b>1,795</b>

1/ Not published to avoid disclosure of individual operations. Included in Other.

## **PEACHES**

### *Number of farms and acres, by size, 1996 and 2001*

Size Group	1996				2001			
	Farms		Acres		Farms		Acres	
<i>(Peach acres per farm)</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
Less than 2	54	26	51	3	94	37	79	5
2 - 4.9	55	26	146	9	73	29	244	14
5 - 9.9	41	20	245	15	46	18	312	17
10 - 19.9	33	16	347	22	25	10	310	17
20+	24	12	822	51	17	6	850	47
<b>TOTAL</b>	<b>207</b>	<b>100</b>	<b>1,611</b>	<b>100</b>	<b>255</b>	<b>100</b>	<b>1,795</b>	<b>100</b>

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# PEARS

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Pear acreage decreased 26 percent from 1996 to 1,441 acres. Total trees decreased 7 percent to 200,765. There were a total of 239 farms with pear acreage in 2001 compared with 209 farms in 1996. This is an increase of 14 percent. Niagara County retained first place as the leading pear county with 362 acres, 25 percent of the state's total acreage. Ulster County moved into second place with 21 percent of the total acreage. Wayne County was third with 17 percent, Columbia was fourth with 13 percent, and Oswego fifth with 6 percent.

## *LEADING PEAR COUNTIES*

County	Trees		
	1990	1996	2001
Niagara	41,928	56,675	72,682
Ulster	83,546	40,275	41,087
Wayne	66,930	53,807	32,482
Columbia	32,079	19,655	13,498
Oswego	17,822	16,281	12,306

## PEARS

### Number of farms, trees, and acres, by county, 1996 and 2001

County	1996			2001		
	Farms	Trees	Acres	Farms	Trees	Acres
Columbia	18	19,655	159	22	13,498	187
Dutchess	7	6,594	35	12	6,260	46
Niagara	38	56,675	587	23	72,682	362
Orleans	5	5,873	51	16	12,283	83
Orange	6	3,058	39	<u>1/</u>	<u>1/</u>	<u>1/</u>
Oswego	7	16,281	84	6	12,306	84
Ulster	33	40,275	288	35	41,087	309
Wayne	54	53,807	486	44	32,482	241
Other	41	12,648	222	81	10,167	131
<b>TOTAL <u>2/</u></b>	<b>209</b>	<b>214,866</b>	<b>1,951</b>	<b>239</b>	<b>200,765</b>	<b>1,441</b>

1/ Not published to avoid disclosure of individual operations. Included in Other.

2/ Totals may not add due to rounding.

## PEARS

### Number of farms and acres, by size, 1996 and 2001

Size Group	1996				2001			
	Farms		Acres		Farms		Acres	
<i>(Pear acres per farm)</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
Less than 2	41	20	40	2	96	40	70	5
2 - 4.9	56	27	148	8	76	32	281	19
5 - 9.9	52	25	351	18	30	12	233	16
10 - 19.9	38	18	488	25	21	9	357	25
20+	22	10	924	47	16	7	500	35
<b>TOTAL <u>1/</u></b>	<b>209</b>	<b>100</b>	<b>1,951</b>	<b>100</b>	<b>239</b>	<b>100</b>	<b>1,441</b>	<b>100</b>

1/ Totals may not add due to rounding.

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# TART CHERRIES

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Acreage of tart cherries decreased one percent from 1996 to 2,584 acres. The number of trees fell 2 percent to 264,435. Over 96 percent of the tart cherry trees are located along Lake Ontario in Western New York. The number of farms dropped 3 percent to 126 growers. Wayne County led the state with 1,767 acres; 68 percent of the state acreage. Niagara County was second with 452 acres or 17 percent of the total. Twenty four percent of the total acreage was planted from 1997 to the present, while 62 percent of the acreage was planted in 1986 or earlier.

## *LEADING TART CHERRY COUNTIES*

County	Trees		
	1990	1996	2001
Wayne	243,887	176,122	167,535
Niagara	65,070	61,114	50,124
Orleans	57,328	18,423	37,316

## TART CHERRIES

*Number of farms, trees, and acres, by county, 1996 and 2001*

County	1996			2001		
	Farms	Trees	Acres	Farms	Trees	Acres
Chautauqua	7	1,179	18	6	2,049	39
Columbia	5	1,014	12	7	2,170	14
Monroe	2	6,523	33	<u>1/</u>	<u>1/</u>	<u>1/</u>
Niagara	20	61,114	611	7	50,124	452
Orleans	10	18,423	147	8	37,316	239
Schuyler	4	600	7	4	661	8
Wayne	63	176,122	1,729	64	167,535	1,767
Other	19	5,500	51	30	4,580	65
<b>TOTAL</b>	<b>130</b>	<b>270,475</b>	<b>2,608</b>	<b>126</b>	<b>264,435</b>	<b>2,584</b>

1/ Not published to avoid disclosure of individual operations. Included in Other.

## TART CHERRIES

*Number of farms and acres, by size, 1996 and 2001*

Size Group	1996				2001			
	Farms		Acres		Farms		Acres	
<i>(Tart cherry acres per farm)</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
Less than 2	23	18	22	1	49	39	43	2
2 - 4.9	20	15	54	2	10	8	41	2
5 - 9.9	29	22	188	7	18	14	143	5
10 - 19.9	26	20	326	13	23	18	377	14
20+	32	25	2,018	77	26	21	1,980	77
<b>TOTAL</b>	<b>130</b>	<b>100</b>	<b>2,608</b>	<b>100</b>	<b>126</b>	<b>100</b>	<b>2,584</b>	<b>100</b>

**TART CHERRIES**  
*Number of acres and trees by year planted, by county, 2001*

County	Farms	1997-01		1987-96		1986 & earlier		Total Acres	Total Trees
		Acres	Trees	Acres	Trees	Acres	Trees		
Chautauqua	6	13	915	2	183	24	951	39	2,049
Columbia	7	8	1,700	5	380	1	90	14	2,170
Niagara	7	213	23,443	18	2,422	221	24,259	452	50,124
Orleans	8	37	15,066	25	2,515	178	19,735	239	37,316
Schuyler	4	-	-	2	143	6	518	8	661
Wayne	64	341	35,341	291	26,825	1,135	105,369	1,767	167,535
Other	30	6	1,071	30	1,894	29	1,615	65	4,580
<b>TOTAL <sup>1/</sup></b>	126	618	77,536	373	34,362	1,594	152,537	2,584	264,435

<sup>1/</sup> Totals may not add due to rounding.

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# ***SWEET CHERRIES***

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Acreage of sweet cherries increased 2 percent while the number of trees increased 37 percent from 1996 to 2001. The number of farms with sweet cherry acres increased 45 percent from 128 farms in 1996 to 185 in 2001. The leading sweet cherry county in New York is Niagara with 314 acres; 40 percent of the total acres. Wayne County was second with 157 acres; 20 percent of the state total. Orleans had 64 acres and accounted for 8 percent of the total.

## ***LEADING SWEET CHERRY COUNTIES***

County	Total Trees		
	1990	1996	2001
Niagara	16,094	22,587	33,251
Wayne	5,387	10,159	15,152
Orleans	2,321	4,217	9,228

## ***SWEET CHERRIES***

*Number of farms, trees and acres, by county, 1996 and 2001*

County	1996			2001		
	Farms	Trees	Acres	Farms	Trees	Acres
Chautauqua	8	3,999	74	8	3,228	58
Columbia	10	1,845	30	12	1,645	28
Niagara	24	22,587	297	30	33,251	314
Orleans	8	4,217	59	9	9,228	64
Schuyler	8	3,140	52	10	3,253	40
Ulster	12	3,128	50	10	5,588	48
Wayne	30	10,159	94	62	15,152	157
Other	28	13,922	112	44	15,073	73
<b>TOTAL</b>	<b>128</b>	<b>62,997</b>	<b>768</b>	<b>185</b>	<b>86,418</b>	<b>783</b>

## ***SWEET CHERRIES***

*Number of farms and acres, by size, 1996 and 2001*

Size Group	1996				2001			
	Farms		Acres		Farms		Acres	
<i>(Sweet cherry acres per farm)</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
Less than 2	45	35	44	6	99	53	60	8
2 - 4.9	43	34	115	15	38	21	100	13
5 - 9.9	19	15	128	17	29	16	205	26
10 - 19.9	13	10	146	19	10	5	110	14
20+	8	6	335	43	9	5	309	39
<b>TOTAL</b>	<b>128</b>	<b>100</b>	<b>768</b>	<b>100</b>	<b>185</b>	<b>100</b>	<b>783</b>	<b>100</b>

# GRAPES

New York's 2001 vineyard survey indicates the State's grape acreage increased since 1996. The state acreage at the end of 2001 totaled 32,994, up five percent from the 1996 survey total of 31,401 acres, and up slightly from 1990. Although the state total increased, there were shifts in acreage among several counties. In 2001, the Chautauqua-Erie region accounted for 61 percent of the State's grape acreage compared to 57 percent in 1996. The major factor being the 15 percent increase in acreage in Chautauqua county. The Finger Lakes area accounted for 28 percent of the total, compared to 32 percent in 1996. Acreage continued to rise in Suffolk County, resulting in an increase in total acreage for the Eastern counties.

The number of vineyards now total 962 compared to 990 in 1996, a decrease of 3 percent. The numbers declined 5 percent in the Chautauqua-Erie region and 29 percent in Niagara County while remaining constant in the Finger Lakes Region and increasing 15 percent in the Eastern Counties. Again Suffolk county accounted for the Eastern Counties' increase with a jump of 50 percent in number of vineyards. If grower's intentions for 2002 are realized, acreage will again increase slightly with grower's intending to plant 469 acres in 2002 and remove only 345 acres. The variety accounting for the highest acreage to be removed was Aurora followed by Concord. Concord accounted for the highest acreage to be planted followed by Merlot.

Concord, the dominant variety grown in the State, totaled 20,584 acres. Concord acreage accounted for 62 percent of the total acres compared to 64 percent in 1996. Other varieties listed in order of total acreage are: Niagara, Catawba, Chardonnay, and Aurora.

Grape production statewide in 2001 from this special grower enumeration totaled 154,480 tons compared with 189,259 tons in the 1996 survey. This represents the total grape production including unutilized production. The

Chautauqua-Erie region accounted for 66 percent of the total followed by the Finger Lakes area with 27 percent

and the Eastern counties with 4 percent. By variety, Concords accounted for 68 percent of the total production in 2001, slightly lower than in 1996. Niagara accounted for 11 percent of the total, compared with 6 percent in 1996. Catawba production remained steady, accounting for 6 percent of the total, the same as in 1996.

In 2001 growers were asked once again to report the rootstock to which each variety was planted. Special rootstocks are not commonly used on Native American varieties such as Concord, Catawba, or Niagara. They are generally used on the more sensitive vinifera varieties and to some extent on French hybrid plantings. Of New York's 32,994 total acres, 75 percent were own-rooted vines while 16 percent of the plantings were reported as unknown rootstock. The major rootstock reported was Couderc 3309 with 7 percent of all grape acres grown on it. Oppenheim S04 accounted for 1 percent of the grape rootstocks.

## LEADING GRAPE COUNTIES

County	Total Acres		
	1990	1996	2001
Chautauqua	16,476	15,500	17,877
Yates	5,577	5,748	5,212
Suffolk	1,095	1,557	1,927
Steuben	2,205	1,884	1,680
Erie	1,881	2,002	1,661
Niagara	1,173	1,040	901
Schuyler	1,253	984	871
Seneca	899	866	858
Cattaraugus	607	343	517
Ontario	713	605	503

## **GRAPES**

*Number of farms, acres, and production, by county, 1996 and 2001*

County	1996			2001		
	Farms	Acres	Production	Farms	Acres	Production
	<i>Number</i>	<i>Number</i>	<i>Tons</i>	<i>Number</i>	<i>Number</i>	<i>Tons</i>
<b><u>CHAUTAUQUA-ERIE REGION</u></b>	554	17,845	116,614	529	20,055	102,072
Cattaraugus	12	343	2,224	19	517	2,449
Chautauqua	498	15,500	102,772	467	17,877	91,901
Erie	44	2,002	11,618	43	1,661	7,722
<b><u>NIAGARA COUNTY</u></b>	68	1,040	5,083	48	901	4,229
<b><u>FINGER LAKES REGION</u></b>	258	10,087	60,265	258	9,124	41,403
Ontario	32	605	2,816	37	503	1,746
Schuyler	34	984	4,254	29	871	4,142
Seneca	18	866	4,916	26	858	3,591
Steuben	45	1,884	12,089	40	1,680	6,707
Yates	129	5,748	36,190	132	5,212	25,217
<b><u>OTHER WESTERN COUNTIES</u></b>	19	327	1,183	22	374	1,184
Monroe	3	46	181	7	131	438
Wayne	5	220	775	5	180	485
Chemung, Livingston, Tompkins, Wyoming, Cayuga, Orleans	11	61	227	10	63	261
<b><u>EASTERN COUNTIES</u></b>	91	2,102	6,114	105	2,541	5,592
Columbia	16	153	256	16	152	375
Dutchess	8	135	488	7	105	324
Suffolk	36	1,557	4,789	54	1,927	4,085
Ulster	21	149	511	20	161	300
Albany, Orange, Saratoga, Westchester, Nassau, and Fulton	10	108	70	8	196	508
<b>TOTAL NEW YORK</b>	<b>990</b>	<b>31,401</b>	<b>189,259</b>	<b>962</b>	<b>32,994</b>	<b>154,480</b>

**GRAPES**  
*Number of farms and acres, by size, 1996 and 2001 1/*

Area and Size Group	1996				2001			
	Farms		Acres		Farms		Acres	
(Acres per farm)	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>CHAUTAUQUA-ERIE REGION</b>	554	100	17,845	100	529	100	20,055	100
Under 5	76	14	204	1	75	14	219	1
5 - 9.9	112	20	724	4	100	19	656	3
10 - 19.9	121	22	1,509	9	122	23	1,649	8
20 - 49.9	130	23	3,903	22	113	22	3,484	18
50 - 99.9	68	12	4,270	24	58	11	3,789	19
100 - 199.9	37	7	4,532	25	44	8	6,264	31
200+	10	2	2,703	15	17	3	3,994	20
<b>NIAGARA COUNTY</b>	68	100	1,040	100	48	100	901	100
Under 5	9	13	23	2	13	27	29	3
5 - 9.9	19	28	107	10	13	27	73	8
10 - 19.9	22	33	277	27	8	17	104	12
20+	18	26	633	61	14	29	695	77
<b>FINGER LAKES AREA REGION</b>	258	100	10,087	100	258	100	9,124	100
Under 5	27	11	78	1	37	14	123	1
5 - 9.9	38	15	260	3	40	16	279	3
10 - 19.9	60	23	772	8	68	26	1,027	11
20 - 49.9	70	27	2,147	21	66	25	2,152	24
50 - 99.9	37	14	2,337	23	30	12	2,220	24
100+	26	10	4,493	44	17	7	3,323	37
<b>OTHER WESTERN COUNTIES</b>	19	100	327	100	22	100	374	100
Under 10	12	63	56	17	12	54	34	9
10 - 19.9	3	16	55	17	5	23	54	14
20+	4	21	216	66	5	23	286	77
<b>EASTERN COUNTIES</b>	91	100	2,102	100	105	100	2,541	100
Under 5	20	22	36	1	21	20	54	2
5 - 9.9	17	19	93	4	19	18	116	4
10 - 19.9	24	26	249	12	27	26	346	14
20 - 49.9	17	19	472	23	20	19	654	26
50+	13	14	1,252	60	18	17	1,370	54
<b>TOTAL NEW YORK</b>	<b>990</b>	<b>100</b>	<b>31,401</b>	<b>100</b>	<b>962</b>	<b>100</b>	<b>32,994</b>	<b>100</b>
Under 2	24	2	23	-	29	3	30	-
2 - 4.9	113	12	325	1	125	13	405	1
5 - 9.9	193	19	1,233	4	176	18	1,149	3
10 - 19.9	230	23	2,862	9	230	24	3,179	10
20 - 49.9	235	24	6,957	22	215	22	6,812	21
50 - 99.9	118	12	7,296	23	103	11	6,980	21
100 - 199.9	58	6	6,987	23	65	7	9,306	28
200+	19	2	5,718	18	19	2	5,133	16

1/ See page 41 for regional definitions.

**GRAPES**  
*Acres, production, and intentions, by variety, 2001*

Variety	Acres	Production	Removal prior to 2002 harvest	Intentions to plant in 2002
	<u>Acres</u>	<u>Tons</u>	<u>Acres</u>	<u>Acres</u>
Aurora	738	2,438	86	2
Baco Noir	276	1,332	11	1
Cabernet Franc	341	646	2	32
Cabernet Sauvignon	341	783	2	18
Catawba	1,570	8,609	11	-
Cayuga	266	1,193	-	3
Chambourcin	41	85	-	1
Chancellor	49	196	1	-
Chardonnay	1,103	3,098	21	24
Concord	20,584	104,590	64	130
DeChaunac	165	833	27	-
Delaware	242	661	16	4
Elvira	679	4,164	5	38
Fredonia	32	131	-	-
Gerwurtztraminer	83	220	-	4
Isabella	39	103	2	-
Ives	56	198	3	-
Leon Millot	30	116	-	3
Marechal Foch	102	354	-	-
Merlot	671	1,520	1	55
Moore's Diamond	47	112	-	-
Niagara	3,352	16,637	22	36
Pinot Gris	48	68	-	13
Pinot Noir	235	543	4	10
Ravat 51	83	217	-	-
Rougeon	90	428	-	-
Sauvignon Blanc	67	156	-	5
Seyval Blanc	331	1,245	35	1
Ventura	96	592	-	-
Vidal Blanc	132	432	10	4
White Riesling	461	1,385	3	30
Other	648	1,395	19	55
<b>All</b>	<b>32,994</b>	<b>154,480</b>	<b>345</b>	<b>469</b>

# GRAPES

## Acres, production, and intentions, by area, 2001 <sup>1/</sup> <sub>2/</sub>

Variety	Acres	Production	Removal prior to 2002 harvest	Intentions to plant in 2002
	<u>Acres</u>	<u>Tons</u>	<u>Acres</u>	<u>Acres</u>
<b><u>Chautauqua-Erie Region</u></b>				
Catawba	309	1,804	1	-
Chardonnay	46	209	-	-
Concord	17,201	88,073	27	106
Delaware	54	157	3	-
Elvira	247	1,121	-	12
Marechal Foch	30	95	-	-
Niagara	1,930	9,836	-	25
Other	237	776	1	20
All	20,055	102,072	32	163
<b><u>Finger Lakes Region</u></b>				
Aurora	724	2,394	86	2
Baco Noir	262	1,316	11	1
Cabernet Franc	136	300	-	6
Cabernet Sauvignon	61	127	-	2
Catawba	1,188	6,573	8	-
Cayuga	239	1,063	-	2
Chambourcin	27	49	-	1
Chardonnay	418	1,476	13	6
Concord	2,703	13,860	30	11
DeChaunac	143	748	27	-
Delaware	178	474	13	4
Elvira	431	3,039	5	26
Gerwurtztraminer	46	150	-	-
Isabella	39	103	2	-
Ives	47	168	3	-
Marechal Foch	57	225	-	-
Merlot	52	110	-	-
Moore's Diamond	36	95	-	-
Niagara	820	4,010	15	8
Pinot Noir	137	348	3	8
Ravat 51	73	202	-	-
Rougeon	84	428	-	-
Seyval Blanc	235	938	35	1
Ventura	96	592	-	-
Vidal Blanc	103	348	10	-
White Riesling	340	1,069	2	30
Other	449	1,198	17	45
All	9,124	41,403	278	154
<b><u>Niagara County</u></b>				
Concord	423	1,866	1	10
Niagara	428	2,196	-	4
Other	49	167	5	-
All	901	4,229	6	14
<b><u>Other Western Counties</u></b>				
Chardonnay	37	73	-	-
Niagara	153	530	7	-
Other	185	581	-	4
All	374	1,184	7	4
<b><u>Eastern Counties</u></b>				
Cabernet Franc	195	316	2	23
Cabernet Sauvignon	249	503	2	16
Chardonnay	601	1,338	7	18
Concord	239	752	5	1
Gerwurtztraminer	29	50	-	1
Merlot	615	1,391	1	55
Pinot Noir	76	131	1	1
Sauvignon Blanc	66	156	-	2
Seyval Blanc	82	254	-	-
White Riesling	67	103	1	-
Other	321	597	1	16
All	2,541	5,592	21	134

<sup>1/</sup> See page 41 for regional definitions. <sup>2/</sup> Totals may not add due to rounding.

## GRAPES

*Acres by variety and intentions, by principal counties, 2001 1/*

Variety	Acres	Production	Removal prior to 2002 harvest	Intentions to plant in 2002
	<u>Acres</u>	<u>Tons</u>	<u>Acres</u>	<u>Acres</u>
<b><u>Cattaraugus</u></b>				
Concord	480	2,396	5	-
Other	37	52	-	6
All	517	2,449	5	6
<b><u>Chautauqua</u></b>				
Catawba	309	1,804	1	-
Chardonnay	46	209	-	-
Concord	15,119	78,247	23	104
Delaware	54	157	3	-
Elvira	213	1,088	-	7
Marechal Foch	30	95	-	-
Niagara	1,872	9,532	-	25
Other	234	769	1	20
All	17,877	91,901	28	156
<b><u>Columbia</u></b>				
Concord	127	342	-	-
Other	25	34	-	-
All	152	375	-	-
<b><u>Erie</u></b>				
Concord	1,603	7,430	-	1
Niagara	55	284	-	-
Other	4	8	-	-
All	1,661	7,722	-	1
<b><u>Niagara</u></b>				
Niagara	428	2,196	-	4
Concord	423	1,866	1	10
Other	49	167	5	-
All	901	4,229	6	14
<b><u>Ontario</u></b>				
Catawba	28	99	-	-
Concord	108	403	-	1
Elvira	34	203	-	7
Niagara	129	524	10	4
Other	204	518	8	2
All	503	1,746	19	15
<b><u>Schuyler</u></b>				
Baco Noir	32	223	-	1
Catawba	143	748	-	-
Cayuga	45	177	-	-
Chardonnay	37	157	-	-
Concord	328	1,693	2	-
Niagara	79	352	1	-
Rougeon	26	207	-	-
White Riesling	32	115	-	11
Other	151	472	1	12
All	871	4,142	4	23
<b><u>Seneca</u></b>				
Aurora	41	282	5	-
Cabernet Franc	43	103	-	-
Catawba	48	336	-	-
Cayuga	33	225	-	-
Chardonnay	145	507	-	6
Concord	44	157	-	-
DeChaunac	41	250	-	-
Elvira	28	209	-	-
Pinot Noir	39	77	-	5
Seyval Blanc	34	185	-	-
White Riesling	103	303	-	3
Other	259	956	2	5
All	858	3,591	7	18

1/ Totals may not add due to rounding.

## GRAPES

*Acres by variety and intentions, by principal counties, 2001 1/ (Continued)*

Variety	Acres	Production	Removal prior to 2002 harvest	Intentions to plant in 2002
	<u>Acres</u>	<u>Tons</u>	<u>Acres</u>	<u>Acres</u>
<b><u>Steuben</u></b>				
Aurora	169	413	74	-
Baco Noir	101	303	11	-
Catawba	401	1,686	-	-
Chardonnay	44	73	-	-
Concord	444	2,223	-	1
Delaware	44	118	13	-
Elvira	91	571	-	16
Niagara	84	325	-	-
Seyval Blanc	63	260	-	-
White Riesling	41	80	-	4
Other	200	656	14	5
All	1,680	6,707	112	25
<b><u>Suffolk</u></b>				
Cabernet Franc	183	302	2	22
Cabernet Sauvignon	249	503	2	16
Chardonnay	497	1,246	7	16
Gerwurtztraminer	28	50	-	1
Merlot	614	1,391	1	55
Pinot Noir	66	127	-	-
Sauvignon Blanc	66	156	-	2
White Riesling	65	102	1	-
Other	161	209	1	16
All	1,927	4,085	15	127
<b><u>Ulster</u></b>				
Concord	50	143	5	1
Other	111	157	-	6
All	161	300	5	7
<b><u>Wayne</u></b>				
Niagara	126	373	7	-
Other	54	112	-	-
All	180	485	7	-
<b><u>Yates</u></b>				
Aurora	493	1,632	7	2
Baco Noir	117	719	-	-
Cabernet Franc	66	122	-	5
Catawba	569	3,704	8	-
Cayuga	144	600	-	2
Chardonnay	184	726	13	-
Concord	1,779	9,384	28	8
DeChaunac	96	443	27	-
Delaware	88	225	-	-
Elvira	271	2,037	5	3
Gerwurtztraminer	27	116	-	-
Isabella	33	94	2	-
Marechal Foch	27	121	-	-
Niagara	509	2,669	3	3
Pinot Noir	71	202	3	3
Ravat 51	31	61	-	-
Rougeon	43	122	-	-
Seyval Blanc	122	448	33	-
Ventura	53	400	-	-
Vidal Blanc	55	170	7	-
White Riesling	159	549	-	13
Other	277	672	-	33
All	5,212	25,217	136	73

1/ Totals may not add due to rounding.

**GRAPES**  
*Production by variety and area, 1996 1/*

Variety	Chautauqua Erie	Niagara	Finger Lakes	Other Western	Eastern	Total New York
	<i>Tons</i>					
Aurora	58	-	5,756	-	11	5,825
Baco Noir	9	-	2,132	6	16	2,163
Catawba	2,556	746	7,961	57	-	11,320
Cayuga	13	-	1,075	10	67	1,165
Chardonnay	89	-	1,459	86	1,446	3,080
Concord	106,850	2,690	22,043	59	1,234	132,876
DeChaunac	52	-	1,586	33	43	1,714
Delaware	510	-	2,292	-	11	2,813
Elvira	949	-	3,620	-	-	4,569
Niagara	4,869	1,565	4,432	711	336	11,913
Seyval Blanc	104	-	1,288	3	152	1,547
White Riesling	34	-	925	57	390	1,406
Other	521	82	5,696	161	2,408	8,868
<b>All Varieties</b>	<b>116,614</b>	<b>5,083</b>	<b>60,265</b>	<b>1,183</b>	<b>6,114</b>	<b>189,259</b>

1/ Totals may not add due to rounding.

**GRAPES**  
*Production by variety and area, 2001 1/*

Variety	Chautauqua Erie	Niagara	Finger Lakes	Other Western	Eastern	Total New York
	<i>Tons</i>					
Aurora	2/	-	2,394	-	2/	2,438
Baco Noir	-	-	1,316	-	2/	1,332
Cabernet Franc	2/	2/	300	2/	316	646
Cabernet Sauvignon	85	2/	127	2/	503	783
Catawba	1,804	88	6,573	80	63	8,609
Cayuga	2/	-	1,063	-	2/	1,193
Chardonnay	209	3	1,476	73	1,338	3,098
Concord	88,073	1,866	13,860	37	752	104,590
DeChaunac	-	-	748	2/	2/	833
Delaware	157	-	474	-	30	661
Elvira	1,121	-	3,039	-	3	4,164
Gerwurtztraminer	2/	-	150	2/	50	220
Marechal Foch	95	-	225	-	33	354
Merlot	-	2/	110	2/	1,391	1,520
Niagara	9,836	2,196	4,010	530	66	16,637
Pinot Noir	2/	-	348	2/	131	543
Ravat 51	2/	-	202	-	2/	217
Rougeon	-	-	428	-	-	428
Seyval Blanc	53	-	938	-	254	1,245
Ventura	-	-	592	-	-	592
Vidal Blanc	2/	2/	348	2/	2/	432
White Riesling	118	2/	1,069	2/	103	1,385
Other	322	37	1,613	171	418	2,561
<b>All Varieties</b>	<b>102,072</b>	<b>4,229</b>	<b>41,403</b>	<b>1,184</b>	<b>5,592</b>	<b>154,480</b>

1/ Totals may not add due to rounding.

2/ Not published to avoid disclosure of individual operations.

**GRAPE ROOTSTOCKS**  
*Acres by variety, type of rootstock and intentions, 2001 1/*

Variety and Rootstock	Acres	Removal prior to 2002 harvest	Intentions to plant in 2002
<b><u>Cabernet Franc</u></b>			
Own-rooted	16	-	-
Oppenheim S04	23	-	3
Couderc 3309	248	2	19
Teleki 5-c	15	-	-
Other	20	-	7
Unknown	19	-	3
All	341	2	32
<b><u>Cabernet Sauvignon</u></b>			
Own-rooted	10	-	-
Oppenheim S04	20	-	-
Couderc 3309	181	-	6
MGT 101-14	33	-	2
Other	33	-	8
Unknown	64	2	2
All	341	2	18
<b><u>Chardonnay</u></b>			
Own-rooted	36	-	5
Oppenheim S04	128	5	1
Couderc 3309	558	16	13
Teleki 5-c	19	-	-
MGT 101-14	34	-	5
Other	55	-	-
Unknown	274	-	-
All	1,103	21	24
<b><u>Concord</u></b>			
Own-rooted	16,712	58	104
Oppenheim S04	25	-	-
Couderc 3309	10	-	-
Unknown	3,836	6	26
All	20,584	64	130
<b><u>Gerwurtztraminer</u></b>			
Oppenheim S04	11	-	2
Couderc 3309	45	-	-
Other	4	-	2
Unknown	22	-	-
All	83	-	4
<b><u>Merlot</u></b>			
Own-rooted	54	-	-
Oppenheim S04	25	-	-
Couderc 3309	412	-	39
MGT 101-14	79	-	4
Other	50	-	12
Unknown	52	1	-
All	671	1	55

1/ Totals may not add due to rounding.

## GRAPE ROOTSTOCKS

*Acres by variety, type of rootstock and intentions, 2001 1/1(Continued)*

Variety and Rootstock	Acres	Removal prior to 2002 harvest	Intentions to plant in 2002
<b><u>Pinot Gris</u></b>			
Couderc 3309	30	-	10
Other	10	-	3
Unknown	8	-	-
All	48	-	13
<b><u>Pinot Noir</u></b>			
Oppenheim S04	20	3	3
Couderc 3309	147	1	6
MGT 101-14	15	-	-
Other	19	-	1
Unknown	34	-	-
All	235	4	10
<b><u>Ravat 51</u></b>			
Own-rooted	69	-	-
Couderc 3309	12	-	-
Unknown	2	-	-
All	83	-	-
<b><u>Sauvignon Blanc</u></b>			
Oppenheim S04	22	-	-
Couderc 3309	33	-	5
Other	12	-	-
All	67	-	5
<b><u>Vidal Blanc</u></b>			
Own-rooted	95	10	4
Couderc 3309	25	-	-
Other	8	-	-
Unknown	5	-	-
All	132	10	4
<b><u>White Riesling</u></b>			
Own-rooted	20	2	-
Oppenheim S04	30	-	1
Couderc 3309	219	1	18
Teleki 5-c	17	-	-
Other	39	-	11
Unknown	136	-	-
All	461	3	30
<b><u>All</u></b>			
Own-rooted	24,794	246	216
Oppenheim S04	347	8	16
Couderc 3309	2,157	45	141
Kober 5BB	47	-	11
Teleki 5-c	79	-	6
MGT 101-14	180	-	21
Other	212	-	23
Unknown	5,181	47	37
All	32,994	345	469

1/ Totals may not add due to rounding.