

New York
FRUIT TREE
and
VINEYARD SURVEY
2001

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SURVEY DESCRIPTION

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.

SUMMARY

New York's fruit tree and grapes totaled 82,911 acres as of January 1, 2002. This is 7 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 1 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 |
|----------------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| APPLES | | | | | | | |
| 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 |
| PEACHES | | | | | | | |
| 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 | - | 31,745 |
| PEARS | | | | | | | |
| 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 | - | 82,911 |
| TART CHERRIES | | | | | | | |
| 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.

1/ 1962-1990 including plums and prunes.

ALL FRUIT
Acres by kind and county, 2001

| County | Apples | Grapes | Peaches | Pears | Tart Cherries | Sweet Cherries |
|-----------------|---------------|---------------|--------------|--------------|---------------|----------------|
| Albany | 1/ | 1/ | - | 1/ | - | - |
| Broome | 60 | - | - | - | - | 1/ |
| Cattaraugus | 1/ | 517 | - | - | - | - |
| Cayuga | 146 | 1/ | 1/ | 1/ | 1/ | 1/ |
| Chautauqua | 150 | 17,877 | 29 | 1/ | 39 | 58 |
| Chemung | 597 | - | 1/ | - | - | 1/ |
| Clinton | 3,436 | - | - | - | - | - |
| Columbia | 1,349 | 152 | 88 | 187 | 14 | 28 |
| Dutchess | 608 | 105 | 33 | 46 | 1/ | 1/ |
| Erie | 1/ | 1,661 | - | 1/ | 1/ | - |
| Essex | 1/ | - | - | - | - | - |
| Fulton | 1/ | - | - | 1/ | - | - |
| Genesee | 1/ | - | 1/ | 1/ | - | 1/ |
| Greene | 1/ | - | 1/ | 1/ | - | 1/ |
| Livingston | 1/ | 1/ | 1/ | 1/ | 1/ | 1/ |
| Monroe | 1,103 | 131 | 60 | 1/ | 1/ | 1/ |
| Nassau | - | 1/ | - | - | - | - |
| Niagara | 4,250 | 901 | 638 | 362 | 452 | 314 |
| Onondaga | 582 | - | - | - | - | 1/ |
| Ontario | 354 | 325 | 33 | 1/ | 1/ | 1/ |
| Orange | 695 | 1/ | 59 | 1/ | - | 1/ |
| Orleans | 4,805 | 1/ | 137 | 83 | 239 | 64 |
| Oswego | 511 | - | 1/ | 84 | 1/ | 1/ |
| Saratoga | 506 | 1/ | 1/ | 1/ | - | - |
| Schoharie | 101 | - | 1/ | 1/ | - | - |
| Schuyler | 1/ | 871 | 10 | 1/ | 8 | 40 |
| Seneca | 1/ | 706 | - | 1/ | - | 1/ |
| Steuben | 1/ | 1,160 | 1/ | 1/ | - | - |
| Suffolk | 191 | 1,927 | 247 | 1/ | 1/ | 1/ |
| Tompkins | 1/ | - | 1/ | - | - | - |
| Ulster | 5,669 | 161 | 106 | 309 | 1/ | 48 |
| Washington | 305 | - | 1/ | 1/ | 1/ | 1/ |
| Wayne | 17,156 | 180 | 292 | 241 | 1,767 | 157 |
| Wyoming | 1/ | - | - | 1/ | 1/ | - |
| Yates | 289 | 4,814 | 1/ | 1/ | 1/ | 1/ |
| Other | 1,700 | 257 | 63 | 131 | 65 | 73 |
| TOTAL 2/ | 44,563 | 31,745 | 1,795 | 1,441 | 2,584 | 783 |

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.

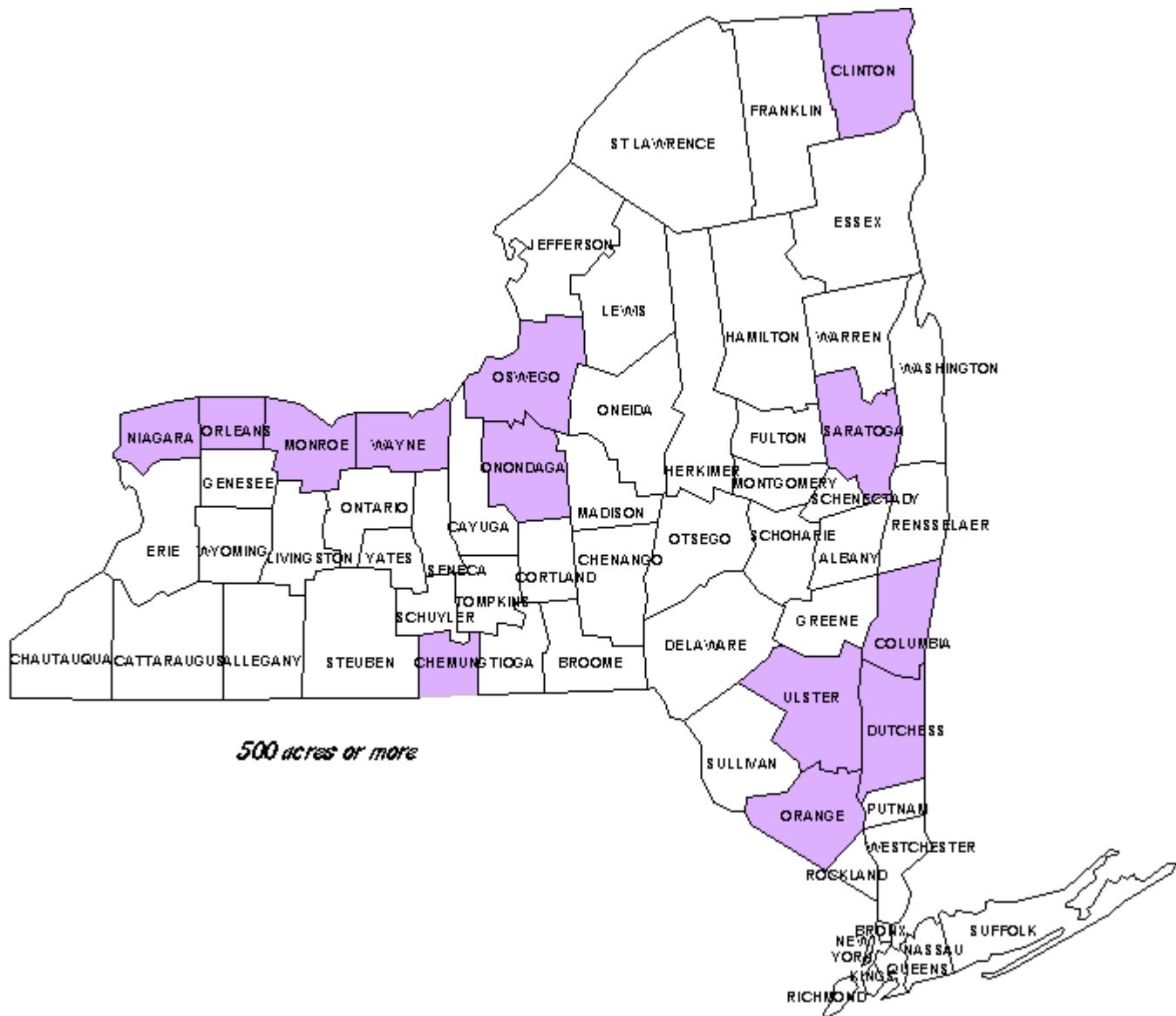
The leading apple variety in 2001 was McIntosh with 8,345 acres reported, 19 percent of the state total. Empire was second with 4881 acres, 11 percent of the total. Other major varieties in descending order were: Red Delicious, Rome, Cortland and Idared. Of the new plantings in 2000-2001, McIntosh held 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 |

LEADING APPLE COUNTIES 2001



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 |
| TOTAL | 695 | 44,563 | 7,544,740 | 727,329 | 4,421,820 | 2,395,591 |

APPLES

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

| Area and Size Group | 1996 | | | | 2001 | | | |
|------------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| | Farms | | Acres | | Farms | | Acres | |
| (Apple acres per farm) | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> |
| 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 |
| TOTAL | 679 | 100 | 51,097 | 100 | 695 | 100 | 44,563 | 100 |

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 | 1/ | 1/ | 572 | 158,763 |
| Golden Delicious | 81 | 355 | 638 | 503 | 969 | 2,545 | 379,312 |
| Honey Crisp | 249 | 206 | 19 | 1/ | 1/ | 483 | 160,413 |
| Idared | 87 | 246 | 629 | 1,000 | 1,436 | 3,398 | 441,760 |
| Jerseymac | 1/ | 28 | 70 | 173 | 1/ | 298 | 51,004 |
| Jonagold | 63 | 398 | 608 | 124 | 32 | 1,225 | 319,001 |
| Jonamac | 1/ | 86 | 486 | 322 | 1/ | 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 |
| TOTAL 2/ | 1,800 | 6,159 | 12,321 | 10,579 | 13,704 | 44,563 | 7,544,740 |

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 | | | | | | |
|------------------|------------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|----------------|
| | 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 | 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 | 1/ | 1/ | 18 | 582 |
| Golden Delicious | 2 | 22 | 124 | 67 | 546 | 762 | 46,500 |
| Honey Crisp | 11 | 25 | 1/ | 5 | 1/ | 47 | 2,055 |
| Idared | 1/ | 31 | 98 | 223 | 611 | 966 | 66,987 |
| Jerseymac | - | 1/ | 19 | 42 | 12 | 74 | 3,634 |
| Jonagold | 1 | 15 | 61 | 1/ | 12 | 92 | 6,751 |
| Jonamac | - | 1/ | 74 | 14 | 7 | 97 | 5,980 |
| Macoun | 1/ | 18 | 75 | 33 | 47 | 176 | 8,797 |
| McIntosh | 31 | 81 | 240 | 386 | 2,178 | 2,915 | 172,084 |
| Northern Spy | 1/ | 12 | 67 | 27 | 241 | 348 | 17,983 |
| Paula Red | 1/ | 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 | - | 1/ | 35 | 56 | 1,201 | 1,293 | 68,273 |
| Spartan | - | 1/ | 1/ | 11 | 55 | 74 | 4,318 |
| Twenty Ounce | 1/ | 1/ | 6 | 131 | 353 | 493 | 28,595 |
| Other | 9 | 25 | 85 | 57 | 393 | 568 | 33,258 |
| TOTAL 2/ | 156 | 437 | 1,711 | 1,845 | 8,449 | 12,599 | 727,329 |

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 | | | | | | |
|------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|------------------|
| | 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 | 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 | 1/ | 1/ | 379 | 65,129 |
| Golden Delicious | 50 | 287 | 426 | 419 | 412 | 1,593 | 244,061 |
| Honey Crisp | 116 | 83 | 11 | 1/ | 1/ | 211 | 41,975 |
| Idared | 77 | 209 | 506 | 751 | 807 | 2,349 | 332,551 |
| Jerseymac | 1/ | 26 | 38 | 125 | 1/ | 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 | 1/ | 1/ | 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 | 1/ | 1/ | 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 |
| TOTAL 2/ | 1,189 | 4,070 | 8,513 | 8,252 | 5,060 | 27,084 | 4,421,820 |

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 | | | | | | |
|------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|------------------|
| | 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 | 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 | 1/ | 1/ | 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 | 1/ | - | 13 | 6 | 1/ | 26 | 10,400 |
| Jonagold | 21 | 156 | 151 | 29 | - | 357 | 171,652 |
| Jonamac | - | 6 | 63 | 17 | 8 | 93 | 42,305 |
| Macoun | 1/ | 64 | 98 | 16 | 1/ | 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 | 1/ | 74 | 102 | 105 | 1/ | 301 | 141,026 |
| Rome | - | 17 | 64 | 1/ | 1/ | 86 | 40,945 |
| R.I. Greening | - | 1/ | 1/ | - | - | 1/ | 2,860 |
| Spartan | 11 | 35 | 44 | - | 11 | 101 | 46,050 |
| Twenty Ounce | 1/ | 1/ | 1/ | 1/ | 1/ | 1/ | 3,625 |
| Other | 60 | 146 | 116 | - | 7 | 328 | 184,414 |
| TOTAL 2/ | 455 | 1,652 | 2,097 | 482 | 195 | 4,881 | 2,395,591 |

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 | | | | | | |
|----------------------------|------------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|----------------|
| | 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 |
| Clinton & Essex | | | | | | | |
| 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 |
| Columbia | | | | | | | |
| 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 |
| Dutchess | | | | | | | |
| 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 |
| Monroe | | | | | | | |
| 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 |
| Niagara | | | | | | | |
| 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 |
| Orange | | | | | | | |
| 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 | | | | | | |
|------------------|------------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|----------------|
| | 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 |
| Orleans | | | | | | | |
| Crispin | - | - | 12 | 1 | 39 | 52 | 3,613 |
| Golden Delicious | - | - | 2/ | 2/ | 38 | 41 | 2,525 |
| Idared | - | - | - | 10 | 76 | 85 | 5,752 |
| McIntosh | - | - | 2/ | 2/ | 38 | 44 | 3,086 |
| Red Delicious | - | - | 2/ | 2/ | 33 | 38 | 2,476 |
| Rome | - | - | 2/ | 2/ | 150 | 153 | 9,918 |
| R.I. Greening | - | - | 2/ | 2/ | 45 | 48 | 2,708 |
| Twenty Ounce | - | - | 2/ | 2/ | 47 | 47 | 3,216 |
| Other | - | 13 | 8 | 11 | 76 | 107 | 8,248 |
| Total | - | 13 | 28 | 33 | 541 | 615 | 41,543 |
| Ulster | | | | | | | |
| Cortland | - | - | 30 | 2/ | 12 | 46 | 2,162 |
| Crispin | - | - | 64 | 2/ | 2/ | 65 | 1,960 |
| Empire | - | - | 20 | 15 | 5 | 41 | 2,663 |
| Gala | - | 14 | 13 | - | - | 27 | 1,378 |
| Golden Delicious | 2/ | 2/ | 18 | 16 | 54 | 91 | 4,835 |
| McIntosh | - | 43 | 78 | 28 | 134 | 283 | 10,967 |
| Paula Red | - | - | 11 | - | 16 | 26 | 1,992 |
| Red Delicious | 2/ | 2/ | 46 | 68 | 103 | 264 | 9,391 |
| Rome | - | - | 15 | 16 | 30 | 60 | 4,275 |
| Other | - | 2/ | 2/ | 12 | 49 | 63 | 3,267 |
| Total | 45 | 62 | 296 | 160 | 403 | 966 | 42,890 |
| Wayne | | | | | | | |
| 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 | 2/ | 2/ | 85 | 151 | 475 | 735 | 52,835 |
| McIntosh | - | 9 | 45 | 160 | 384 | 597 | 42,700 |
| Northern Spy | - | 2/ | 2/ | 5 | 147 | 156 | 8,658 |
| Paula Red | - | 2/ | 2/ | 2/ | 21 | 28 | 465 |
| Red Delicious | - | 9 | 14 | 38 | 132 | 193 | 12,342 |
| Rome | 2/ | 2/ | 39 | 147 | 996 | 1,194 | 78,144 |
| R.I. Greening | - | - | 15 | 49 | 1,117 | 1,181 | 61,893 |
| Twenty Ounce | - | 2/ | 2/ | 125 | 278 | 410 | 23,403 |
| Other | 2/ | 2/ | 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 1/

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

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 | | | | | | |
|------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|----------------|
| | 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 |
| Niagara | | | | | | | |
| Cortland | - | 68 | 104 | 114 | 35 | 321 | 49,551 |
| Crispin | 2/ | 11 | 55 | 77 | 2/ | 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 | 2/ | 2/ | - | 35 | 6,024 |
| Idared | - | 26 | 61 | 32 | 48 | 167 | 25,120 |
| Jonagold | - | 34 | 80 | 25 | 9 | 147 | 28,350 |
| Macoun | - | 21 | 11 | 2/ | 2/ | 36 | 5,783 |
| McIntosh | - | 44 | 142 | 136 | 45 | 367 | 64,958 |
| Northern Spy | - | 2/ | 27 | 20 | 2/ | 50 | 7,565 |
| Paula Red | 2/ | 2/ | 33 | 40 | 2/ | 80 | 12,358 |
| Red Delicious | - | 218 | 204 | 453 | 138 | 1,012 | 147,462 |
| Rome | 2/ | 2/ | 101 | 106 | 41 | 271 | 43,463 |
| Spartan | - | 25 | 67 | 37 | 26 | 154 | 25,359 |
| Other | 2/ | 32 | 2/ | 21 | 2/ | 81 | 12,387 |
| Total | 40 | 704 | 1,332 | 1,380 | 377 | 3,833 | 604,591 |
| Onondaga | | | | | | | |
| Empire | 2/ | 2/ | 8 | 15 | 12 | 37 | 7,457 |
| Idared | - | 2/ | 2/ | 18 | 18 | 39 | 8,107 |
| McIntosh | - | - | 20 | 23 | 51 | 93 | 15,889 |
| Red Delicious | - | 2/ | 2/ | 31 | 4 | 38 | 6,778 |
| Other | 2/ | 2/ | 54 | 50 | 29 | 147 | 29,698 |
| Total | 2/ | 2/ | 84 | 137 | 115 | 353 | 67,929 |
| Orange | | | | | | | |
| Cortland | - | - | - | 26 | - | 26 | 3,358 |
| Other | - | 13 | 72 | 22 | 60 | 168 | 22,742 |
| Total | - | 13 | 72 | 48 | 60 | 194 | 26,100 |
| Orleans | | | | | | | |
| Cortland | 2/ | 2/ | 69 | 55 | 52 | 200 | 36,556 |
| Crispin | 2/ | 2/ | 78 | 31 | 97 | 233 | 38,836 |
| Empire | - | 25 | 293 | 149 | 57 | 524 | 101,273 |
| Gala | 13 | 57 | 12 | 2/ | 2/ | 84 | 21,984 |
| Golden Delicious | 2/ | 45 | 2/ | 26 | 160 | 253 | 43,251 |
| Idared | 2/ | 2/ | 66 | 52 | 152 | 295 | 44,294 |
| Jonagold | 2/ | 15 | 29 | 22 | 2/ | 75 | 15,563 |
| Jonamac | 2/ | 2/ | 39 | 39 | 12 | 92 | 17,880 |
| Macoun | 2/ | 2/ | 9 | 16 | 2/ | 27 | 4,767 |
| McIntosh | 16 | 32 | 127 | 95 | 88 | 358 | 62,402 |
| Paula Red | - | - | 2/ | 46 | 2/ | 53 | 9,491 |
| Red Delicious | 8 | 7 | 39 | 136 | 43 | 232 | 37,443 |
| Rome | 11 | 6 | 96 | 109 | 116 | 337 | 59,639 |
| Spartan | 2/ | 2/ | 17 | 13 | 18 | 51 | 10,130 |
| Twenty Ounce | 12 | 9 | 2/ | 2/ | 38 | 63 | 12,059 |
| Other | 2/ | 71 | 22 | 2/ | 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 | | | | | | |
|------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|----------------|
| | 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 |
| Ulster | | | | | | | |
| 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 |
| Wayne | | | | | | | |
| 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 1/

| Variety | 350+ trees per acre | | | | | | |
|----------------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|----------------|
| | 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 |
| Clinton & Essex | | | | | | | |
| 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 |
| Columbia | | | | | | | |
| Macoun | - | 4 | 22 | 9 | - | 35 | 13,106 |
| Other | - | 14 | 59 | 11 | - | 84 | 37,217 |
| Total | - | 18 | 81 | 21 | - | 119 | 50,323 |
| Dutchess | | | | | | | |
| Total | 18 | 12 | 10 | 6 | - | 46 | 19,547 |
| Monroe | | | | | | | |
| Total | 2/ | 19 | 23 | 14 | 2/ | 67 | 31,426 |
| Niagara | | | | | | | |
| Empire | 2/ | 2/ | 32 | 5 | - | 42 | 21,654 |
| Gala | 2/ | 30 | 19 | 2/ | - | 51 | 25,390 |
| McIntosh | - | 2/ | 26 | 2/ | - | 30 | 13,384 |
| Spartan | 11 | 15 | - | - | - | 26 | 11,437 |
| Other | - | 40 | 62 | 9 | - | 111 | 57,499 |
| Total | 11 | 93 | 140 | 15 | - | 259 | 129,363 |
| Onondaga | | | | | | | |
| Cortland | - | 28 | - | - | - | 28 | 13,104 |
| Empire | 2/ | 9 | 44 | 25 | 2/ | 86 | 36,286 |
| McIntosh | - | 12 | 18 | 27 | - | 57 | 24,752 |
| Other | 2/ | 23 | 12 | 7 | 2/ | 46 | 21,362 |
| Total | 7 | 71 | 74 | 59 | 5 | 217 | 95,503 |
| Orange | | | | | | | |
| Total | 2/ | 10 | 64 | 2/ | - | 76 | 33,761 |

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 | 350+ trees per acre | | | | | | |
|------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------------|----------------|----------------|
| | 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 |
| Orleans | | | | | | | |
| 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 |
| Ulster | | | | | | | |
| 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 |
| Wayne | | | | | | | |
| 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.



PEACHES

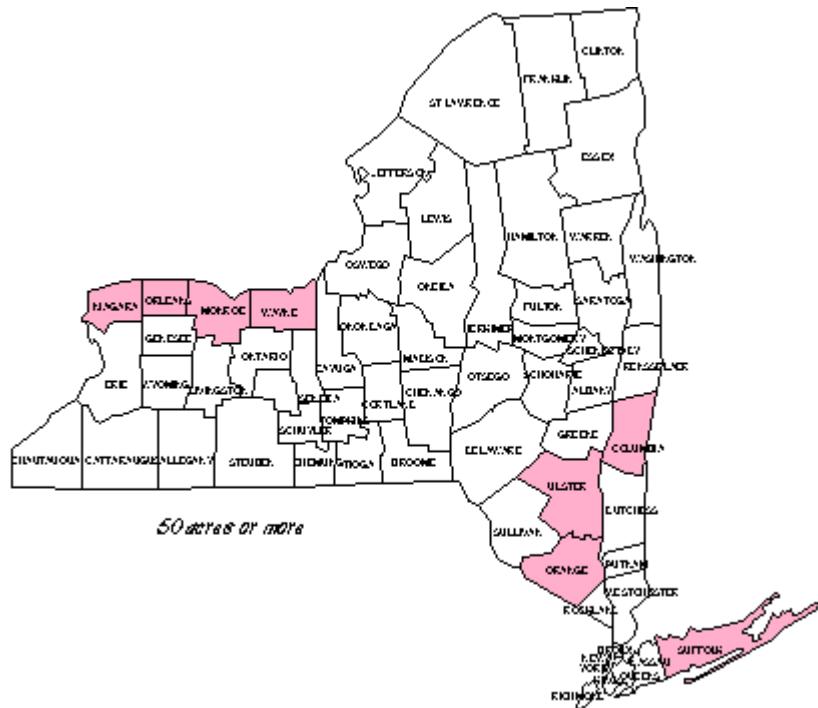


Peach acreage increased 11 percent in 2001 to a total of 1,795 acres. Total trees, at 239,758 increased 30 percent from the 1996 total of 183,962. The number of farms with peaches rose from 207 farms in 1996 to 255 farms in 2001, an increase of 23 percent. The leading county for peach acreage in 2001 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 |

LEADING PEACH COUNTIES 2001



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 |
| TOTAL | 207 | 183,962 | 1,611 | 255 | 239,758 | 1,795 |

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 | |
| (Peach acres per farm) | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| 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 |
| TOTAL | 207 | 100 | 1,611 | 100 | 255 | 100 | 1,795 | 100 |



PEARS

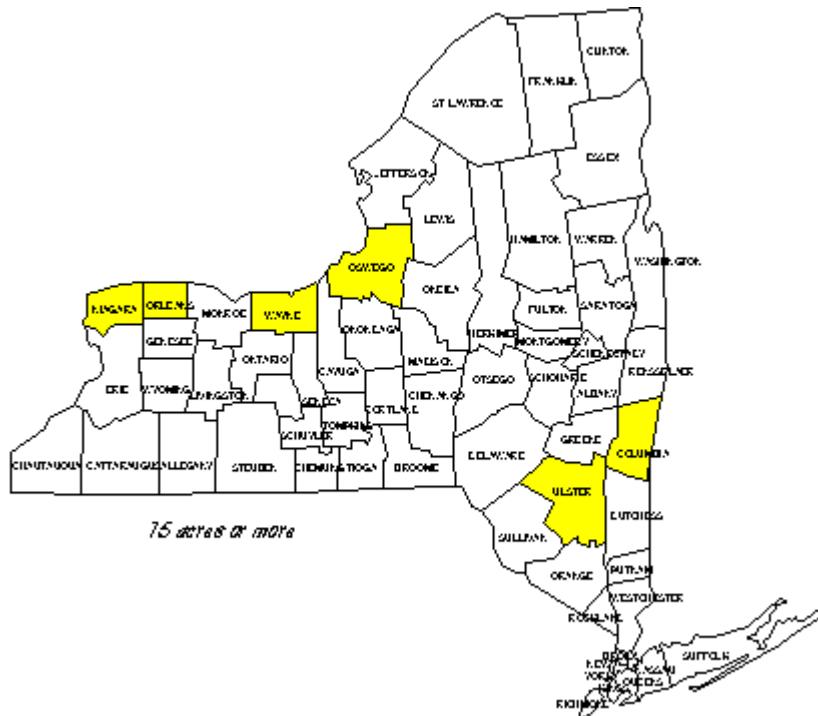


Pear acreage decreased 26 percent from 1996 to 1,441 acres. Total trees decreased 7 percent to 200,765. There were a total of 239 farms with pear acreage in 2001 compared with 209 farms in 1996. This is an increase of 14 percent. Niagara County retained first place as the leading pear county with 362 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 |

LEADING PEAR COUNTIES 2001



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 | 1/ | 1/ | 1/ |
| 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 |
| TOTAL 2/ | 209 | 214,866 | 1,951 | 239 | 200,765 | 1,441 |

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 | |
| (Pear acres per farm) | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| 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 |
| TOTAL 1/ | 209 | 100 | 1,951 | 100 | 239 | 100 | 1,441 | 100 |

1/ Totals may not add due to rounding.



TART CHERRIES



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 |

LEADING TART CHERRY COUNTIES 2001



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 | 1/ | 1/ | 1/ |
| 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 |
| TOTAL | 130 | 270,475 | 2,608 | 126 | 264,435 | 2,584 |

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 | |
| (Tart cherry acres per farm) | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> |
| 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 |
| TOTAL | 130 | 100 | 2,608 | 100 | 126 | 100 | 2,584 | 100 |

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 |
| TOTAL 1/ | 126 | 618 | 77,536 | 373 | 34,362 | 1,594 | 152,537 | 2,584 | 264,435 |

1/ Totals may not add due to rounding.



SWEET CHERRIES



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 |

LEADING SWEET CHERRY COUNTIES 2001

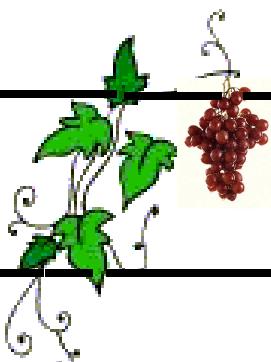


SWEET CHERRIES
Number of farms, trees and acres, by county, 1996 and 2001

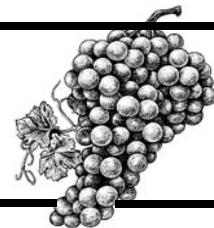
| County | 1996 | | | 2001 | | |
|--------------|------------|---------------|------------|------------|---------------|------------|
| | Farms | Trees | Acres | Farms | Trees | Acres |
| Chautauqua | 8 | 3,999 | 74 | 8 | 3,228 | 58 |
| Columbia | 10 | 1,845 | 30 | 12 | 1,645 | 28 |
| Niagara | 24 | 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 |
| TOTAL | 128 | 62,997 | 768 | 185 | 86,418 | 783 |

SWEET CHERRIES
Number of farms and acres, by size, 1996 and 2001

| Size Group | 1996 | | | | 2001 | | | |
|-------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| | Farms | Acres | Farms | Acres | | | | |
| (Sweet cherry acres per farm) | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> |
| 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 |
| TOTAL | 128 | 100 | 768 | 100 | 185 | 100 | 783 | 100 |



GRAPES



New York's 2001 vineyard survey indicates the State's grape acreage has remained steady overall since 1996. The state acreage at the end of 2001 totaled 31,745, up one percent from the 1996 survey total of 31,401 acres, but down 3 percent from 1990. Although the state total remained stable, there were shifts in acreage among several counties. In 2001, the Chautauqua-Erie region accounted for 63 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 25 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 445 acres in 2002 and remove only 199 acres. The variety accounting for the highest acreage to be removed was Concord followed by Aurora. Concord also accounted for the highest acreage to be planted followed by Merlot.

Concord, the dominant variety grown in the State, totaled 20,477 acres. Concord acreage accounted for 65 percent of the total acres compared to 64 percent in 1996. Other varieties listed in order of total acreage are: Niagara, Catawba, Chardonnay, and Merlot.

Grape production statewide in 2001 from this special grower enumeration totaled 149,586 tons compared with 189,259 tons in the 1996 survey. This represents the total grape production including unutilized production. The

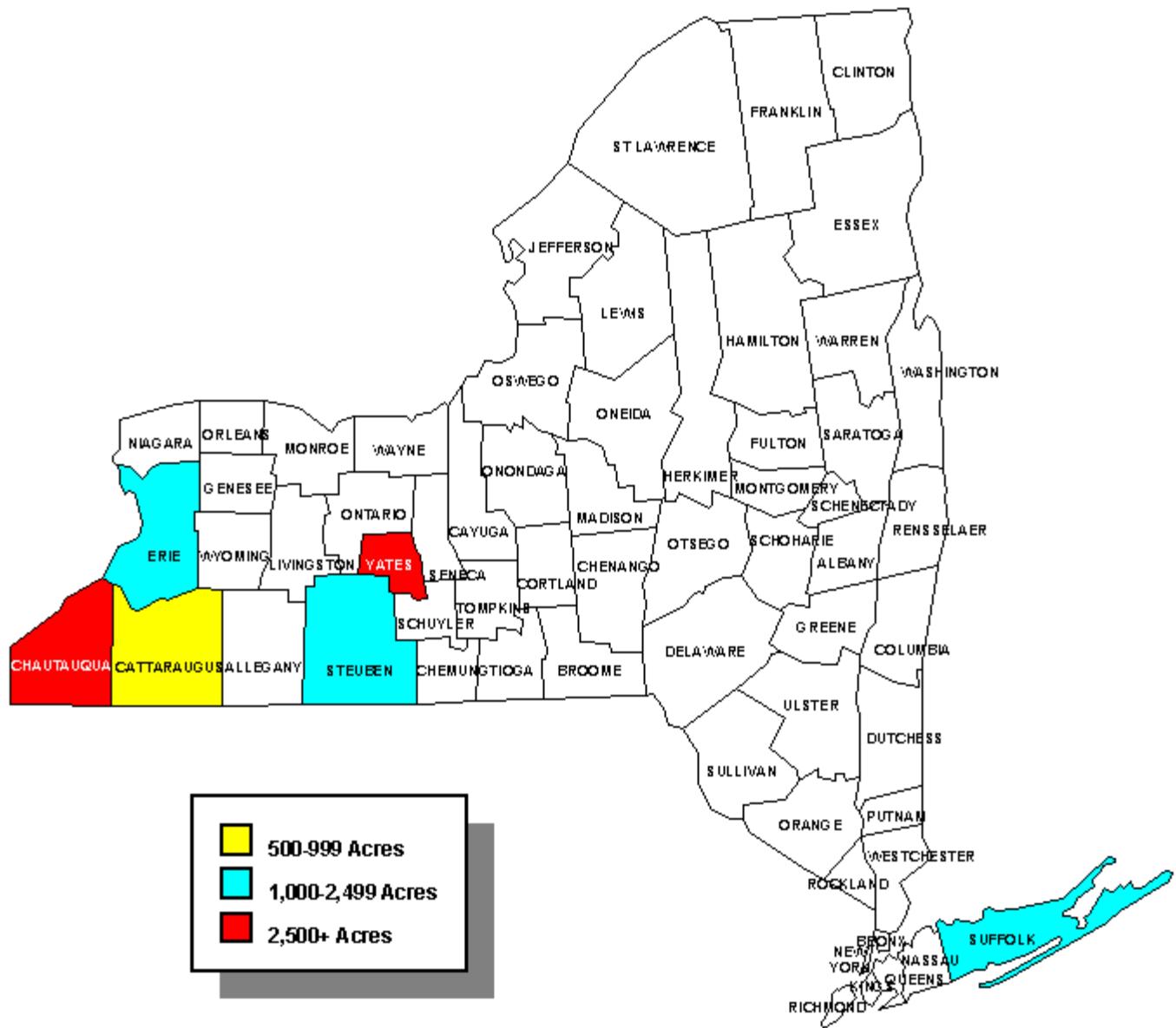
Chautauqua-Erie region accounted for 68 percent of the total followed by the Finger Lakes area with 24 percent and the Eastern counties with 4 percent. By variety, Concords accounted for 70 percent of the total production in 2001, the same level as in 1996. Niagara accounted for 11 percent of the total, compared with 6 percent in 1996. Catawba production dropped slightly, accounting for 5 percent of the total compared to 6 percent 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 31,745 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 | 4,814 |
| Suffolk | 1,095 | 1,557 | 1,927 |
| Erie | 1,881 | 2,002 | 1,661 |
| Steuben | 2,205 | 1,884 | 1,160 |
| Niagara | 1,173 | 1,040 | 901 |
| Schuyler | 1,253 | 984 | 871 |
| Seneca | 899 | 866 | 706 |
| Cattaraugus | 607 | 343 | 517 |
| Ontario | 713 | 605 | 325 |

LEADING GRAPE COUNTIES 2001



GRAPES

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

| County | 1996 | | | 2001 | | |
|--|---------------|---------------|----------------|---------------|---------------|----------------|
| | Farms | Acres | Production | Farms | Acres | Production |
| | <u>Number</u> | <u>Number</u> | <u>Tons</u> | <u>Number</u> | <u>Number</u> | <u>Tons</u> |
| CHAUTAUQUA-ERIE REGION | 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 |
| NIAGARA COUNTY | 68 | 1,040 | 5,083 | 48 | 901 | 4,229 |
| FINGER LAKES REGION | 258 | 10,087 | 60,265 | 258 | 7,875 | 36,509 |
| Ontario | 32 | 605 | 2,816 | 31 | 325 | 964 |
| Schuyler | 34 | 984 | 4,254 | 29 | 871 | 4,142 |
| Seneca | 18 | 866 | 4,916 | 26 | 706 | 3,085 |
| Steuben | 45 | 1,884 | 12,089 | 40 | 1,160 | 4,948 |
| Yates | 129 | 5,748 | 36,190 | 132 | 4,814 | 23,370 |
| OTHER WESTERN COUNTIES | 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 |
| EASTERN COUNTIES | 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 |
| TOTAL NEW YORK | 990 | 31,401 | 189,259 | 962 | 31,745 | 149,586 |

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) | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> |
| CHAUTAUQUA-ERIE REGION | 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 |
| NIAGARA COUNTY | 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 |
| FINGER LAKES AREA REGION | 258 | 100 | 10,087 | 100 | 258 | 100 | 7,875 | 100 |
| Under 5 | 27 | 11 | 78 | 1 | 38 | 15 | 130 | 2 |
| 5 - 9.9 | 38 | 15 | 260 | 3 | 40 | 16 | 279 | 4 |
| 10 - 19.9 | 60 | 23 | 772 | 8 | 68 | 26 | 1,027 | 13 |
| 20 - 49.9 | 70 | 27 | 2,147 | 21 | 66 | 25 | 2,152 | 27 |
| 50 - 99.9 | 37 | 14 | 2,337 | 23 | 30 | 12 | 2,220 | 28 |
| 100+ | 26 | 10 | 4,493 | 44 | 16 | 6 | 2,066 | 26 |
| OTHER WESTERN COUNTIES | 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 |
| EASTERN COUNTIES | 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 |
| TOTAL NEW YORK | 990 | 100 | 31,401 | 100 | 962 | 100 | 31,745 | 100 |
| Under 2 | 24 | 2 | 23 | - | 29 | 3 | 30 | - |
| 2 - 4.9 | 113 | 12 | 325 | 1 | 126 | 13 | 412 | 1 |
| 5 - 9.9 | 193 | 19 | 1,233 | 4 | 176 | 18 | 1,149 | 4 |
| 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 | 22 |
| 50 - 99.9 | 118 | 12 | 7,296 | 23 | 103 | 11 | 6,980 | 22 |
| 100 - 199.9 | 58 | 6 | 6,987 | 23 | 65 | 7 | 8,975 | 28 |
| 200+ | 19 | 2 | 5,718 | 18 | 18 | 2 | 4,208 | 13 |

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 | 596 | 2,219 | 23 | 2 |
| Baco Noir | 211 | 1,040 | 11 | 1 |
| Cabernet Franc | 341 | 646 | 2 | 32 |
| Cabernet Sauvignon | 341 | 783 | 2 | 18 |
| Catawba | 1,312 | 7,685 | 11 | - |
| Cayuga | 247 | 1,122 | - | 3 |
| Chambourcin | 41 | 85 | - | 1 |
| Chancellor | 49 | 196 | 1 | - |
| Chardonnay | 997 | 2,698 | 21 | 24 |
| Concord | 20,477 | 104,029 | 64 | 128 |
| DeChaunac | 147 | 744 | 8 | - |
| Delaware | 207 | 623 | 4 | 4 |
| Elvira | 537 | 3,153 | 5 | 16 |
| Fredonia | 32 | 131 | - | - |
| Gerwurtztraminer | 81 | 219 | - | 4 |
| Isabella | 26 | 66 | 2 | - |
| Ives | 56 | 198 | 3 | - |
| Leon Millot | 30 | 116 | - | 3 |
| Marechal Foch | 96 | 312 | - | - |
| Merlot | 671 | 1,520 | 1 | 55 |
| Moores Diamond | 43 | 102 | - | - |
| Niagara | 3,261 | 16,170 | 12 | 36 |
| Pinot Gris | 48 | 68 | - | 13 |
| Pinot Noir | 234 | 542 | 4 | 10 |
| Ravat 51 | 83 | 217 | - | - |
| Rougeon | 86 | 405 | - | - |
| Sauvignon Blanc | 67 | 156 | - | 5 |
| Seyval Blanc | 273 | 1,103 | 8 | 1 |
| Ventura | 57 | 425 | - | - |
| Vidal Blanc | 129 | 430 | 7 | 4 |
| White Riesling | 411 | 1,250 | 1 | 30 |
| Other | 561 | 1,136 | 11 | 55 |
| All | 31,745 | 149,586 | 199 | 445 |

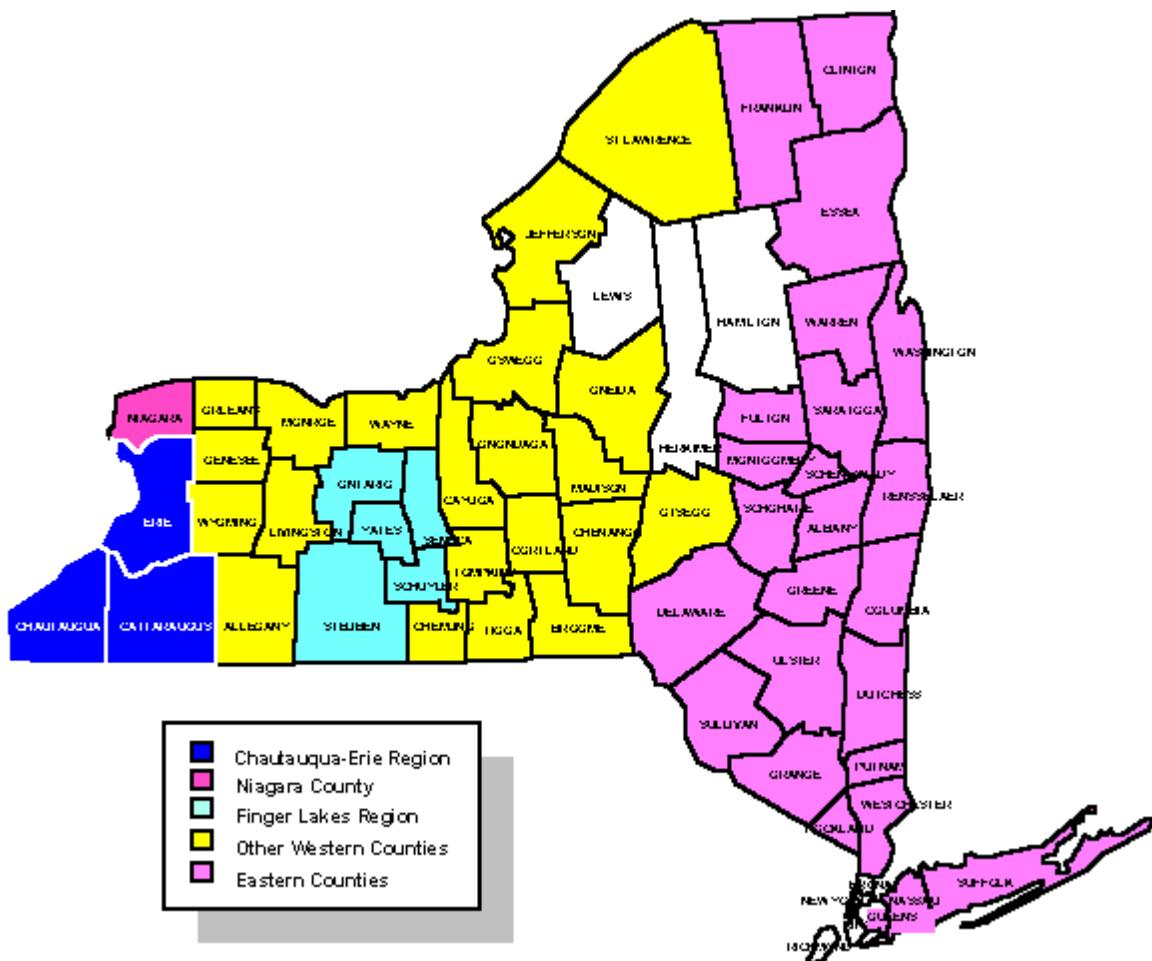
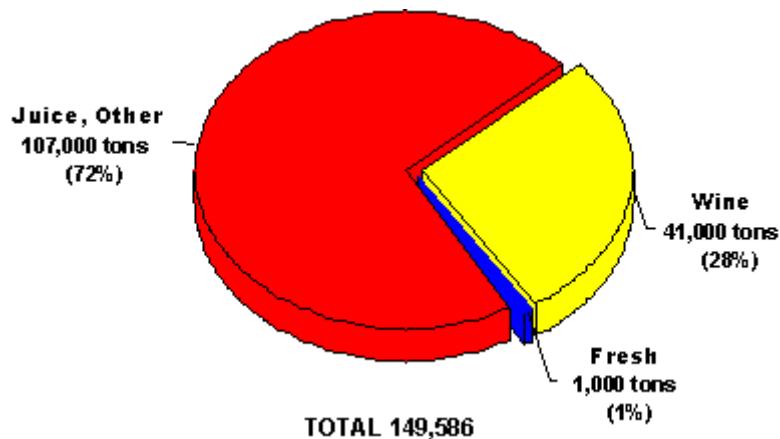
GRAPES
Acres, production, and intentions, by area, 2001 1/ 2/

| 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> |
| <u>Chautauqua-Erie Region</u> | | | | |
| 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 |
| <u>Finger Lakes Region</u> | | | | |
| Aurora | 582 | 2,175 | 23 | 2 |
| Baco Noir | 198 | 1,023 | 11 | 1 |
| Cabernet Franc | 136 | 300 | - | 6 |
| Cabernet Sauvignon | 61 | 127 | - | 2 |
| Catawba | 931 | 5,649 | 8 | - |
| Cayuga | 221 | 993 | - | 2 |
| Chambourcin | 27 | 49 | - | 1 |
| Chardonnay | 311 | 1,075 | 13 | 6 |
| Concord | 2,596 | 13,300 | 30 | 11 |
| DeChaunac | 125 | 658 | 8 | - |
| Delaware | 143 | 436 | 1 | 4 |
| Elvira | 289 | 2,029 | 5 | 3 |
| Gerwurtztraminer | 45 | 149 | - | - |
| Isabella | 26 | 66 | 2 | - |
| Ives | 47 | 168 | 3 | - |
| Marechal Foch | 50 | 184 | - | - |
| Merlot | 52 | 110 | - | - |
| Moores Diamond | 33 | 85 | - | - |
| Niagara | 729 | 3,543 | 4 | 8 |
| Pinot Noir | 136 | 347 | 3 | 8 |
| Ravat 51 | 73 | 202 | - | - |
| Rougeon | 80 | 405 | - | - |
| Seyval Blanc | 177 | 796 | 8 | 1 |
| Ventura | 57 | 425 | - | - |
| Vidal Blanc | 100 | 346 | 7 | - |
| White Riesling | 290 | 934 | - | 30 |
| Other | 363 | 937 | 6 | 47 |
| All | 7,875 | 36,509 | 133 | 131 |
| <u>Niagara County</u> | | | | |
| Concord | 423 | 1,866 | 1 | 10 |
| Niagara | 428 | 2,196 | - | 4 |
| Other | 49 | 167 | 5 | - |
| All | 901 | 4,229 | 6 | 14 |
| <u>Other Western Counties</u> | | | | |
| Chardonnay | 37 | 73 | - | - |
| Niagara | 153 | 530 | 7 | - |
| Other | 185 | 581 | - | 4 |
| All | 374 | 1,184 | 7 | 4 |
| <u>Eastern Counties</u> | | | | |
| 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 |

1/ See page 41 for regional definitions.

2/ Totals may not add due to rounding.

UTILIZATION OF 2001 GRAPE PRODUCTION



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> |
| Cattaraugus | | | | |
| Concord | 480 | 2,396 | 5 | - |
| Other | 37 | 52 | - | 6 |
| All | 517 | 2,449 | 5 | 6 |
| Chautauqua | | | | |
| 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 |
| Columbia | | | | |
| Concord | 127 | 342 | - | - |
| Other | 25 | 34 | - | - |
| All | 152 | 375 | - | - |
| Erie | | | | |
| Concord | 1,603 | 7,430 | - | 1 |
| Niagara | 55 | 284 | - | - |
| Other | 4 | 8 | - | - |
| All | 1,661 | 7,722 | - | 1 |
| Niagara | | | | |
| Niagara | 428 | 2,196 | - | 4 |
| Concord | 423 | 1,866 | 1 | 10 |
| Other | 49 | 167 | 5 | - |
| All | 901 | 4,229 | 6 | 14 |
| Ontario | | | | |
| Catawba | 28 | 99 | - | - |
| Concord | 100 | 363 | - | 1 |
| Niagara | 49 | 153 | - | 4 |
| Other | 148 | 349 | 1 | 2 |
| All | 325 | 964 | 1 | 7 |
| Schuyler | | | | |
| 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 |
| Seneca | | | | |
| Cabernet Franc | 43 | 103 | - | - |
| Catawba | 48 | 336 | - | - |
| Cayuga | 33 | 225 | - | - |
| Chardonnay | 42 | 123 | - | 6 |
| Concord | 44 | 157 | - | - |
| DeChaunac | 41 | 250 | - | - |
| Pinot Noir | 38 | 76 | - | 5 |
| Seyval Blanc | 34 | 185 | - | - |
| White Riesling | 57 | 184 | - | 3 |
| Other | 326 | 1,446 | 7 | 5 |
| All | 706 | 3,085 | 7 | 18 |

1/ 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> |
| Steuben | | | | |
| Aurora | 97 | 354 | 17 | - |
| Baco Noir | 61 | 202 | 11 | - |
| Catawba | 171 | 899 | - | - |
| Chardonnay | 44 | 73 | - | - |
| Concord | 360 | 1,826 | - | 1 |
| Delaware | 31 | 118 | 1 | - |
| Elvira | 29 | 189 | - | - |
| Niagara | 84 | 325 | - | - |
| Seyval Blanc | 63 | 260 | - | - |
| White Riesling | 41 | 80 | - | 4 |
| Other | 180 | 621 | 4 | 5 |
| All | 1,160 | 4,948 | 32 | 10 |
| Suffolk | | | | |
| 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 |
| Ulster | | | | |
| Concord | 50 | 143 | 5 | 1 |
| Other | 111 | 157 | - | 6 |
| All | 161 | 300 | 5 | 7 |
| Wayne | | | | |
| Niagara | 126 | 373 | 7 | - |
| Other | 54 | 112 | - | - |
| All | 180 | 485 | 7 | - |
| Yates | | | | |
| Aurora | 430 | 1,477 | 2 | 2 |
| Baco Noir | 93 | 528 | - | - |
| Cabernet Franc | 66 | 122 | - | 5 |
| Catawba | 541 | 3,567 | 8 | - |
| Cayuga | 132 | 547 | - | 2 |
| Chardonnay | 180 | 709 | 13 | - |
| Concord | 1,764 | 9,260 | 28 | 8 |
| DeChaunac | 78 | 354 | 8 | - |
| Delaware | 66 | 187 | - | - |
| Elvira | 213 | 1,556 | 5 | 3 |
| Gerwurtztraminer | 27 | 116 | - | - |
| Marechal Foch | 27 | 121 | - | - |
| Niagara | 498 | 2,573 | 3 | 3 |
| Pinot Noir | 71 | 202 | 3 | 3 |
| Ravat 51 | 31 | 61 | - | - |
| Rougeon | 43 | 122 | - | - |
| Seyval Blanc | 66 | 309 | 8 | - |
| Ventura | 36 | 304 | - | - |
| Vidal Blanc | 55 | 170 | 7 | - |
| White Riesling | 157 | 546 | - | 13 |
| Other | 240 | 539 | 2 | 33 |
| All | 4,814 | 23,370 | 88 | 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 |
|----------------------|--------------------|--------------|-----------------|------------------|--------------|-------------------|
| <u>Tons</u> | | | | | | |
| 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 |
| All Varieties | 116,614 | 5,083 | 60,265 | 1,183 | 6,114 | 189,259 |

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 |
|----------------------|--------------------|--------------|-----------------|------------------|--------------|-------------------|
| <u>Tons</u> | | | | | | |
| Aurora | 2/ | - | 2,175 | - | 2/ | 2,219 |
| Baco Noir | - | - | 1,023 | - | 2/ | 1,040 |
| Cabernet Franc | 2/ | 2/ | 300 | 2/ | 316 | 646 |
| Cabernet Sauvignon | 85 | 2/ | 127 | 2/ | 503 | 783 |
| Catawba | 1,804 | 88 | 5,649 | 80 | 63 | 7,684 |
| Cayuga | 2/ | - | 993 | - | 2/ | 1,122 |
| Chardonnay | 209 | 3 | 1,075 | 73 | 1,338 | 2,698 |
| Concord | 88,073 | 1,866 | 13,300 | 37 | 752 | 104,029 |
| DeChaunac | - | - | 658 | 2/ | 2/ | 744 |
| Delaware | 157 | - | 436 | - | 30 | 623 |
| Elvira | 1,121 | - | 2,029 | - | 3 | 3,153 |
| Gewurtztraminer | 2/ | - | 149 | 2/ | 50 | 219 |
| Marechal Foch | 95 | - | 184 | - | 33 | 312 |
| Merlot | - | 2/ | 110 | 2/ | 1,391 | 1,520 |
| Niagara | 9,836 | 2,196 | 3,543 | 530 | 66 | 16,170 |
| Pinot Noir | 2/ | - | 347 | 2/ | 131 | 542 |
| Ravat 51 | 2/ | - | 202 | - | 2/ | 217 |
| Rougeon | - | - | 405 | - | - | 405 |
| Seyval Blanc | 53 | - | 796 | - | 254 | 1,103 |
| Ventura | - | - | 425 | - | - | 425 |
| Vidal Blanc | 2/ | 2/ | 346 | 2/ | 2/ | 430 |
| White Riesling | 118 | 2/ | 934 | 2/ | 103 | 1,250 |
| Other | 322 | 37 | 1,304 | 171 | 418 | 2,252 |
| All Varieties | 102,072 | 4,229 | 36,509 | 1,184 | 5,592 | 149,586 |

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 |
|---------------------------|--------|-------------------------------|-----------------------------|
| Cabernet Franc | | | |
| 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 |
| Cabernet Sauvignon | | | |
| 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 |
| Chardonnay | | | |
| Own-rooted | 36 | - | 5 |
| Oppenheim S04 | 128 | 5 | 1 |
| Couderc 3309 | 554 | 16 | 13 |
| Teleki 5-c | 19 | - | - |
| MGT 101-14 | 34 | - | 5 |
| Other | 55 | - | - |
| Unknown | 171 | - | - |
| All | 997 | 21 | 24 |
| Concord | | | |
| Own-rooted | 16,605 | 58 | 103 |
| Oppenheim S04 | 25 | - | - |
| Couderc 3309 | 10 | - | - |
| Unknown | 3,836 | 6 | 25 |
| All | 20,477 | 64 | 128 |
| Gerwurtztraminer | | | |
| Oppenheim S04 | 11 | - | 2 |
| Couderc 3309 | 45 | - | - |
| Other | 4 | - | 2 |
| Unknown | 21 | - | - |
| All | 81 | - | 4 |
| Merlot | | | |
| 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/(Continued)

| Variety and Rootstock | Acres | Removal prior to 2002 harvest | Intentions to plant in 2002 |
|-------------------------------|--------|-------------------------------|-----------------------------|
| <u>Pinot Gris</u> | | | |
| Couderc 3309 | 30 | - | 10 |
| Other | 10 | - | 3 |
| Unknown | 8 | - | - |
| All | 48 | - | 13 |
| <u>Pinot Noir</u> | | | |
| Oppenheim S04 | 20 | 3 | 3 |
| Couderc 3309 | 147 | 1 | 6 |
| MGT 101-14 | 15 | - | - |
| Other | 19 | - | 1 |
| Unknown | 33 | - | - |
| All | 234 | 4 | 10 |
| <u>Ravat 51</u> | | | |
| Own-rooted | 69 | - | - |
| Couderc 3309 | 12 | - | - |
| Unknown | 2 | - | - |
| All | 83 | - | - |
| <u>Sauvignon Blanc</u> | | | |
| Oppenheim S04 | 22 | - | - |
| Couderc 3309 | 33 | - | 5 |
| Other | 12 | - | - |
| All | 67 | - | 5 |
| <u>Vidal Blanc</u> | | | |
| Own-rooted | 91 | 7 | 4 |
| Couderc 3309 | 25 | - | - |
| Other | 8 | - | - |
| Unknown | 5 | - | - |
| All | 129 | 7 | 4 |
| <u>White Riesling</u> | | | |
| Own-rooted | 18 | - | - |
| Oppenheim S04 | 30 | - | 1 |
| Couderc 3309 | 218 | 1 | 18 |
| Teleki 5-c | 17 | - | - |
| Other | 39 | - | 11 |
| Unknown | 89 | - | - |
| All | 411 | 1 | 30 |
| <u>All</u> | | | |
| Own-rooted | 23,757 | 124 | 193 |
| Oppenheim S04 | 347 | 8 | 15 |
| Couderc 3309 | 2,095 | 20 | 141 |
| Kober 5BB | 47 | - | 10 |
| Teleki 5-c | 79 | - | 6 |
| MGT 101-14 | 180 | - | 21 |
| Other | 212 | - | 22 |
| Unknown | 5,028 | 47 | 37 |
| All | 31,745 | 199 | 445 |

1/ Totals may not add due to rounding.



Dept. of Agriculture & Markets
1 Winners Circle
Albany, NY 12235
1-800-821-1276
Fax: 1-800-591-3834

FRUIT TREE SURVEY

2001

Form Approved
O.M.B. Number 0535-0039
Approval Expires 5/31/04

Project Code 450

Please make corrections in name, address, and zip code, if necessary

Dear Fruit Grower:

Every five years the New York Agricultural Statistics Service conducts a comprehensive survey to update the acreage and varieties of tree fruits in commercial orchards. The information is for the benefit of growers and others interested in the fruit industry.

Cooperation from every producer is vital to the accuracy of the report. Individual data provided is confidential and only summary totals are published. Your report is protected, by law, from public disclosure. Response to this survey is voluntary and not required by law.

Please help reduce costs by reporting promptly. All questionnaires are kept confidential and used only to derive totals.

Thank you for your cooperation.

A black rectangular box containing the handwritten signature of Stephen C. Roper.
Stephen C. Roper
State Statistician

GUIDANCE FOR COMPLETING REPORT

1. Report for the total acres of fruit you operate in New York. Include land you own as well as land you rent. Exclude land rented to others. Exclude acreage operated in another state.
2. List acreage by variety and tree type according to year planted. A separate line is required for each variety.
3. Specify the county where trees are located. If you have trees in more than one county, a separate questionnaire must be completed for each county. Call 1-800-821-1276 for a supplement.
4. If you do not grow fruit, please write a note to that effect and return the questionnaire.
5. If your orchard is rented and operated by others, please write their name(s) and address(es) on the questionnaire and return it to us.
6. This survey is a complete census of all known growers. We need a response from every producer. If you are unable to complete the questionnaire by mail, a telephone enumerator or a member of our field staff will assist you. Please call us to arrange an appointment.
7. Trees per acre:
Standard - less than 100
Semi-Dwarf - 100-349
Dwarf - 350+
8. If you need assistance or have any questions please call Robin Gannon or Bill Blackson at 1-800-821-1276.

APPLES

Office Use

Name of County where trees are located: _____

002

| Variety | Trees per acre | Number of Acres by Year Planted | | | | | Total Trees |
|-------------------------|----------------|---------------------------------|------------------------|-------------------------|--------------------------|-------------------------------|-------------|
| | | 2000-2001 (1-2 years) | 1996-99 (3-6 years) | 1987-95 (7-15 years) | 1978-86 (16-24 years) | 1977 & Earlier (25+ years) | |
| <i>Cortland</i> | Less than 100 | 011 | 012 | 013 | 014 | 015 | 010 |
| | 100-349 | 111 | 112 | 113 | 114 | 115 | 110 |
| | 350+ | 211 | 212 | 213 | 214 | 215 | 210 |
| <i>Crispin</i> | Less than 100 | 021 | 022 | 023 | 024 | 025 | 020 |
| | 100-349 | 121 | 122 | 123 | 124 | 125 | 120 |
| | 350+ | 221 | 222 | 223 | 224 | 225 | 220 |
| <i>Red Delicious</i> | Less than 100 | 031 | 032 | 033 | 034 | 035 | 030 |
| | 100-349 | 131 | 132 | 133 | 134 | 135 | 130 |
| | 350+ | 231 | 232 | 233 | 234 | 235 | 230 |
| <i>Golden Delicious</i> | Less than 100 | 041 | 042 | 043 | 044 | 045 | 040 |
| | 100-349 | 141 | 142 | 143 | 144 | 145 | 140 |
| | 350+ | 241 | 242 | 243 | 244 | 245 | 240 |
| <i>Empire</i> | Less than 100 | 051 | 052 | 053 | 054 | 055 | 050 |
| | 100-349 | 151 | 152 | 153 | 154 | 155 | 150 |
| | 350+ | 251 | 252 | 253 | 254 | 255 | 250 |
| <i>Gala</i> | Less than 100 | 071 | 072 | 073 | 074 | 075 | 070 |
| | 100-349 | 171 | 172 | 173 | 174 | 175 | 170 |
| | 350+ | 271 | 272 | 273 | 274 | 275 | 270 |
| <i>Gingergold</i> | Less than 100 | 081 | 082 | 083 | 084 | 085 | 080 |
| | 100-349 | 181 | 182 | 183 | 184 | 185 | 180 |
| | 350+ | 281 | 282 | 283 | 284 | 285 | 280 |
| <i>Honey Crisp</i> | Less than 100 | 061 | 062 | 063 | 064 | 065 | 060 |
| | 100-349 | 161 | 162 | 163 | 164 | 165 | 160 |
| | 350+ | 261 | 262 | 263 | 264 | 265 | 260 |
| <i>Idared</i> | Less than 100 | 091 | 092 | 093 | 094 | 095 | 090 |
| | 100-349 | 191 | 192 | 193 | 194 | 195 | 190 |
| | 350+ | 291 | 292 | 293 | 294 | 295 | 290 |
| <i>Jerseymac</i> | Less than 100 | 301 | 302 | 303 | 304 | 305 | 300 |
| | 100-349 | 311 | 312 | 313 | 314 | 315 | 310 |
| | 350+ | 321 | 322 | 323 | 324 | 325 | 320 |
| <i>Jonagold</i> | Less than 100 | 331 | 332 | 333 | 334 | 335 | 330 |
| | 100-349 | 341 | 342 | 343 | 344 | 345 | 340 |
| | 350+ | 351 | 352 | 353 | 354 | 355 | 350 |

APPLES - Continued

| Variety | Trees per acre | Number of Acres by Year Planted | | | | | Total Trees |
|--------------------------------------|----------------|---------------------------------|------------------------|-------------------------|--------------------------|-------------------------------|-------------|
| | | 2000-2001 (1-2 years) | 1996-99 (3-6 years) | 1987-95 (7-15 years) | 1978-86 (16-24 years) | 1977 & Earlier (25+ years) | |
| <i>Jonamac</i> | Less than 100 | 361 | 362 | 363 | 364 | 365 | 360 |
| | 100-349 | 371 | 372 | 373 | 374 | 375 | 370 |
| | 350+ | 381 | 382 | 383 | 384 | 385 | 380 |
| <i>Macoun</i> | Less than 100 | 391 | 392 | 393 | 394 | 395 | 390 |
| | 100-349 | 401 | 402 | 403 | 404 | 405 | 400 |
| | 350+ | 411 | 412 | 413 | 414 | 415 | 410 |
| <i>McIntosh</i> | Less than 100 | 421 | 422 | 423 | 424 | 425 | 420 |
| | 100-349 | 431 | 432 | 433 | 434 | 435 | 430 |
| | 350+ | 441 | 442 | 443 | 444 | 445 | 440 |
| <i>Northern Spy</i> | Less than 100 | 451 | 452 | 453 | 454 | 455 | 450 |
| | 100-349 | 461 | 462 | 463 | 464 | 465 | 460 |
| | 350+ | 471 | 472 | 473 | 474 | 475 | 470 |
| <i>Paula Red</i> | Less than 100 | 481 | 482 | 483 | 484 | 485 | 480 |
| | 100-349 | 491 | 492 | 493 | 494 | 495 | 490 |
| | 350+ | 501 | 502 | 503 | 504 | 505 | 500 |
| <i>R.I. Greening</i> | Less than 100 | 511 | 512 | 513 | 514 | 515 | 510 |
| | 100-349 | 521 | 522 | 523 | 524 | 525 | 520 |
| | 350+ | 531 | 532 | 533 | 534 | 535 | 530 |
| <i>Rome</i> | Less than 100 | 541 | 542 | 543 | 544 | 545 | 540 |
| | 100-349 | 551 | 552 | 553 | 554 | 555 | 550 |
| | 350+ | 561 | 562 | 563 | 564 | 565 | 560 |
| <i>Spartan</i> | Less than 100 | 571 | 572 | 573 | 574 | 575 | 570 |
| | 100-349 | 581 | 582 | 583 | 584 | 585 | 580 |
| | 350+ | 591 | 592 | 593 | 594 | 595 | 590 |
| <i>Twenty Ounce</i> | Less than 100 | 601 | 602 | 603 | 604 | 605 | 600 |
| | 100-349 | 611 | 612 | 613 | 614 | 615 | 610 |
| | 350+ | 621 | 622 | 623 | 624 | 625 | 620 |
| <i>All Other Varieties (Specify)</i> | Less than 100 | 631 | 632 | 633 | 634 | 635 | 630 |
| | 100-349 | 641 | 642 | 643 | 644 | 645 | 640 |
| | 350+ | 651 | 652 | 653 | 654 | 655 | 650 |
| | Less than 100 | --- | --- | --- | --- | --- | --- |
| | 100-349 | --- | --- | --- | --- | --- | --- |
| | 350+ | --- | --- | --- | --- | --- | --- |
| | Less than 100 | --- | --- | --- | --- | --- | --- |
| | 100-349 | --- | --- | --- | --- | --- | --- |
| | 350+ | --- | --- | --- | --- | --- | --- |

1. GRAPES

- (A) Total acres of grapes

| | |
|-----|---|
| 900 | . |
|-----|---|

2. PEACHES

- (A) Total acres of peaches
(B) Acres of bearing age
(C) Total number of peach trees

| | |
|-----|---|
| 901 | . |
| 902 | . |
| 903 | . |

3. PEARS

- (A) Total acres of pears
(B) Acres of bearing age
(C) Total number of pear trees

| | |
|-----|---|
| 904 | . |
| 905 | . |
| 906 | . |

4. SWEET CHERRIES

- (A) Total acres of sweet cherries
(B) Acres of bearing age
(C) Total number of sweet cherry trees

| | |
|-----|---|
| 907 | . |
| 908 | . |
| 909 | . |

5. TART CHERRIES

- (A) Number of acres
(C) Number of trees

| Acres and Trees by Year Planted | | |
|---------------------------------|-----------|----------------|
| 1997-2001 | 1987-1996 | 1986 & Earlier |
| 911 | 912 | 913 |
| . | . | . |
| 914 | 915 | 916 |

6. Would you like to receive a copy of the results of this survey?

YES NO

Office Use

| |
|-----|
| 102 |
| 101 |

Reported by _____ Date _____

Enum. ID

| |
|-----|
| 098 |
|-----|

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The time required to complete this information collection is estimated to average 30 minutes per response.



Dept. of Agriculture & Markets
1 Winners Circle
Albany, NY 12235
1-800-821-1276
Fax: 1-800-591-3834

VINEYARD SURVEY

2001

Form Approved
O.M.B. Number 0535-0039
Approval Expires 5/31/04

Project Code 450

Please make corrections in name, address, and zip code, if necessary

Dear Grape Grower:

Every five years the New York Agricultural Statistics Service conducts a comprehensive survey for the benefit of grape growers and others in the fruit industry to update the acreage, variety and production of commercial vineyards in New York.

Response to this survey is voluntary and not required by law. However, your cooperation is very important to the accuracy of the report.

Please help reduce costs by reporting promptly. All questionnaires are kept confidential and used only to derive totals.

Thank you for your cooperation.

A handwritten signature of Stephen C. Ropel in black ink.
Stephen C. Ropel
State Statistician

GUIDANCE FOR COMPLETING REPORT

1. Report for the total acres of grapes you operate in New York. **Include** land you own as well as land you rent. **Exclude** land rented to others. **Exclude** acres and production originating in another state.
2. List acreages by variety according to rootstock and county. A separate line is required for each variety and rootstock.
3. Specify the county where vines are located or where production originated.
4. If you grow tree fruits but no grapes, please complete page 4 of the questionnaire and return it to us.
5. If you do not grow grapes or other fruits, write a note to that effect and return the questionnaire.
6. If your vineyard or orchard is rented and operated by others, please write their name(s) and address(es) on the questionnaire and return it to us.
7. This survey is a complete census so we will need a response from every grower. If you are unable to complete the questionnaire by mail, a telephone enumerator or a member of our field staff will assist you.
8. If you need assistance or have any questions please call Robin Gannon or Bill Blackson at 1-800-821-1276.

MAJOR GRAPE VARIETIES

Native American Varieties

| <u>Variety</u> | <u>Code</u> |
|----------------------------------|-------------|
| Catawba | 1 |
| Concord | 2 |
| Delaware | 3 |
| Dutchess | 4 |
| Elvira | 5 |
| Fredonia | 6 |
| Isabella | 7 |
| Ives | 8 |
| Moores Diamond | 9 |
| Niagara | 10 |
| Steuben | 11 |
| Other Native <u>1/</u> | 12 |

Vitis Vinifera Varieties

| | |
|------------------------------------|----|
| Cabernet Franc | 50 |
| Cabernet Sauvignon | 51 |
| Chardonnay | 52 |
| Gerwurtztraminer | 53 |
| Merlot | 54 |
| Pinot Noir | 55 |
| Sauvignon Blanc | 56 |
| White Riesling | 57 |
| Pinot Gris | 58 |
| Other Vinifera <u>3/</u> | 59 |

Hybrid Varieties

| <u>Variety</u> | <u>Code</u> |
|---|-------------|
| Aurora (<i>Seibel</i> 5279) | 20 |
| Baco Noir | 21 |
| Cascade (<i>Seibel</i> 13053) | 22 |
| Cayuga White (GW-3) | 23 |
| Chancellor (<i>Seibel</i> 7053) | 24 |
| Chambourcin JS26-205 | 25 |
| Chelois (<i>Seibel</i> 10878) | 26 |
| Colobel (<i>Seibel</i> 8357) | 27 |
| DeChaunac (<i>Seibel</i> 9549) | 28 |
| Vincent | 29 |
| Leon Millot (<i>Kuhlman</i> 194-2) | 30 |
| Marechal Foch (<i>Kuhlman</i> 188-2) | 31 |
| Ravat 51 (<i>Vignoles</i>) | 32 |
| Rosette (<i>Seibel</i> 1000) | 33 |
| Rougeon (<i>Seibel</i> 5898) | 34 |
| Seyval Blanc (<i>Seyve Villard</i> , <i>Seibel</i> 5276) | 35 |
| Ventura | 36 |
| Vidal Blanc (<i>Vidal</i> 256) | 37 |
| Other Hybrids <u>2/</u> | 38 |

Table Grapes

| | |
|------------------------------|----|
| Canadice | 70 |
| Glenora | 71 |
| Himrod | 72 |
| Interlaken | 73 |
| Lakemont | 74 |
| Suffolk Red | 75 |
| Romulus | 76 |
| Other Table Grapes | 77 |

1/ Agawam, Beta, Brighton, Buffalo, Caco, Clinton, Early Moores, Golden Muscat, Ontario, Portland, Salem, Seneca, Sheridan, Uhlings, Van Buren, Yates, etc.

2/ Verdelet (*Seibel* 9110), Horizon GW-7, etc.

3/ Sangiovese, Viognier, etc.

MAJOR ROOTSTOCKS

| <u>Rootstock</u> | <u>Code</u> | <u>Rootstock</u> | <u>Code</u> |
|-------------------------|-------------|---------------------------|-------------|
| Own-rooted | 1 | Teleki 5-c | 5 |
| Oppenheim S04 | 2 | MGT 101-14 | 6 |
| Couderc 3309 | 3 | Other (Specify) | 7 |
| Kober 5BB | 4 | Unknown | 8 |

GRAPES

What are the total acres of grapes in this operation?

001

Report the Acres of Grape Vines, Excluding Roads and Headlands, by Variety, and Rootstock.

Include Acres Rented; Exclude Acres Rented to Others. Exclude acreage and production originating in another state (Omit Abandoned Acres).

1. Do you grow any tree fruits?

YES - Continue

NO - Go to Item 3

2. Please enter the acreage of each tree fruit.

| Kind of Fruit | Total Acres |
|----------------|-------------|
| Apples | 103 |
| Peaches | 104 |
| Pears | 105 |
| Sweet Cherries | 106 |
| Tart Cherries | 107 |

3. Would you like to receive a copy of the results of this survey?

YES

NO

| Office Use |
|------------|
| 102 |

Reported by _____ Date _____

THANK YOU FOR YOUR REPORT!

Public reporting burden for this survey is estimated between 30 minutes per response, including the time for reviewing instructions, gathering and maintaining the data needed, and completing the questionnaire. Federal agencies may not conduct or sponsor, and person is not required to respond to, information collection unless it displays a currently valid OMB number. Send comments regarding this burden estimate or any other aspect of this survey, including suggestions for reducing the burden to, USDA OIRM, Project 0535-0039, Ag. Box 7630,

| Office Use | | | | | |
|--------------|-----|---------------|-----------|----------|-------|
| Respondent | | Response Code | | Enum. ID | Eval. |
| 1 - Operator | 101 | 1 - Mail | 7 - TR | 910 | 098 |
| 2 - Spouse | | 2 - Tel. | 8 - IR | | 100 |
| 3 - Other | | 3 - Int. | 9 - Inac. | | |