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Popularity of Tree Species and Cultivars in the United States

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Abstract

The America the Beautiful Act of 1990 proposes planting millions of trees in urban areas. Understanding what species have been planted in the recent past is important in guiding decisions on what trees should be planted today. A survey of what species and cultivars tree nurseries offer for sale was analyzed to indicate relative species and cultivar popularity in the United States by geographical region for 1980, 1983 and 1986. In all, 217 taxon (cultivars and noncultivated varieties) from 106 tree species were analyzed and ranked according to geographical and national popularity. Temporal changes in popularity were also analyzed. In 1986, the most popular taxon nationally were *Pyrus calleryana* 'Bradford', *Quercus palustris*, *Acer rubrum*, *Acer rubrum* 'Red Sunset' and *Fraxinus pennsylvanica* 'Marshall Seedless'.

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Introduction

The America the Beautiful Act of 1990 proposes planting and caring for 30 million trees in urban areas. These trees, along with the millions of other trees that cities and homeowners will be planting in the coming years will greatly influence the urban forest of the future. Understanding what species have been planted in the recent past within a particular region of the United States is important in guiding decisions on what trees should be planted today. Overplanting a region with one species can lead to insect or disease disasters such as experienced with Dutch elm disease. To avoid catastrophic losses, no one species should make up more than 10 to 15 percent of the total population (Grey and Deneke 1986).

To aid in understanding tree-planting trends in urban areas, we have developed two lists, one of individual taxon popularity, i.e., both cultivars (cultivated varieties) and noncultivated trees (natural varieties), and one of overall popularity of tree species. These lists are based on the percentage of nurseries that sell individual species and cultivars in the United States. Results are reported for 1986, 1983, and 1980 for the entire nation and for the Northeast, North Central, Ohio, South, and West. Ohio was analyzed separately because of the relatively large number of responses to a questionnaire on taxon offered for sale by nurseries. In all, 217 taxon from 106 tree species were analyzed. Not all taxon are reported for every year.

Taxon and species popularity is based on the proportion of nurseries that offer each taxon of a particular species or any taxon of a particular species within each region. The more nurseries in a region that offer a particular taxon or species, the more popular that tree is believed to be in the region. If a taxon or species gains or loses popularity, economics dictate that the number of nurseries offering that tree should change accordingly. Trees with low ratings may be popular locally but not regionally. Nursery trees often are planted within urban areas and thus have a relatively large impact on the urban forest.

These lists of taxon and species popularity can aid in understanding regional urban tree planting composition and trends, assist in developing the desired genetic diversity of the urban forest, and aid tree nurseries by revealing which taxon are regionally popular and which should be promoted more heavily.

Methods

Source books listing nurseries that sell various cultivar and noncultivated varieties of trees were published by Sydnor and Holman for 1980, 1983, and 1986. The choice of taxon listed in these source books was based on all trees currently or previously evaluated in Ohio's Shade Tree Evaluation Project. Only one coniferous species (*Taxodium distichum*) was evaluated. Questionnaires sent to all members of the Wholesale Nursery Growers of America and the Ohio Nurserymen's Association asked whether the

nursery offered each of the individual taxon evaluated by the Shade Tree Evaluation Project.

The responding nurseries were divided into five regions: 1) Northeast (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont); 2) North Central (Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, and Wisconsin); 3) Ohio; 4) South (Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia); and 5) West (Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming).

Nurseries that were considered national distributors of trees were removed from the sample. Overall, 237 nursery responses were analyzed in 1980, 190 in 1983, and 184 in 1986. The percentage of nurseries offering each taxon was calculated for the nation and each of the five regions for 1980, 1983, and 1986. To calculate a national rating, geographic percentages were weighted by the percentage of the U.S. population within a region (Northeast = 0.22; North Central = 0.21; Ohio = 0.05; South = 0.33; West = 0.19) and summed.

In calculating species popularity, a nursery offering any cultivar or noncultivated variety of a species was considered to offer that species. This method was used because some species have many cultivars and there is a possibility of fragmenting popularity among them. For example, 50 percent of the nurseries may offer one cultivar and the other 50 percent a different cultivar. Thus, all of the nurseries offer the species but only half offer any particular cultivar.

Chi-square tests were used to test for significant difference in species popularity between 1980 and 1986. If no data were available from 1980 or 1986, 1983 data were used.

Results

In 1986, individual taxon with the highest average ratings were, for the Nation: *Pyrus calleryana* 'Bradford', *Quercus palustris*, and *Acer rubrum* (Appendix, Table 1); for the Northeast: *Q. palustris*, *A. platanoides* 'Crimson King', and *A. rubrum* (Table 2); for the North Central: *A. ginnala*, *Betula nigra* and *Fraxinus pennsylvanica* 'Marshall Seedless' (Table 3); for Ohio: *Malus* x 'Snowdrift', *P. calleryana* 'Bradford', and *A. rubrum* 'Red Sunset' (Table 4); for the South: *P. calleryana* 'Bradford', *Cornus florida*, and *Cercis canadensis* (Table 5); and for the West: *Tilia cordata*, *A. ginnala*, and *A. platanoides* 'Emerald Queen' (Table 6).

In 1986, the species with the highest ratings were, for the Nation: *A. rubrum*, *F. pennsylvanica*, and *P. calleryana* (Table 22); for the Northeast: *A. rubrum*, *Gleditsia triacanthos*, and *Q. palustris* (Table 23); for the North

Central: *F. pennsylvanica*, *A. rubrum*, and *B. nigra* (Table 24); for Ohio: *G. triacanthos*, *Malus* spp., and *P. calleryana* (Table 25); for the south: *P. calleryana*, *A. rubrum*, and *C. florida* (Table 26); and for the West: *A. platanoides*, *F. pennsylvanica*, and *T. cordata* (Table 27). These rankings closely match estimates of the most frequently planted street trees in the United States (Table 43) (Kielbaso et al. 1988).

Species and taxon that showed a significant decrease in popularity from 1980 to 1986 include *Acer platanoides*, *Acer saccharinum*, and *Prunus serrulata* (Table 44). Those with a significant increase in popularity from 1980 to 1986 include *Crataegus phaenopyrum*, and *Fraxinus pennsylvanica*, (Table 45).

Discussion

There are some limitations to the results. Inequality of sample distribution within the regions tends to bias the regional results toward subareas within the regions. In the Northeast, 58 percent of the responses were from New York and Pennsylvania. In the North Central region, 64 percent of the responses were from Illinois, Indiana, and Michigan. And in the West, 66 percent of the responses were from Washington, Oregon and California. However, these states tend to be the major producers of nursery stock and have large populations relative to other states in the region.

Because there are no sales data on number of trees sold, it is not possible to determine the true popularity of a taxon/species according to sales within a region. However, one cannot account for distribution across a region from sales data alone. For example, species A may be the most popular species based on sales but is sold only by several large nurseries. Therefore, species A is popular only locally within the region and will have a low regional popularity based on the proportion of nurseries that offer it.

National popularity rankings were derived by combining regional popularity weighted by the human population within each region. This weighting scheme assumes that the extent of urban tree planting in a region is proportional to the population. This relationship remains to be tested.

The regional popularity of a species is just one of many factors that must be considered when directing a tree-planting program. Local species popularity along with specific species and site information are examples of other

considerations.

The America the Beautiful Program offers a great opportunity to create more beneficial and less costly urban forests. However, planting the appropriate species in the proper location is the key to maximizing urban forest benefits while minimizing costs.

Planners must question whether the most popular trees being planted or proposed to be planted are indeed the best choices. Less popular species might be more appropriate and planners may need to work with nurseries to ensure the availability of desired species for future plantings. Planners also must consider existing natural forest environments in and around cities. For example, what impact will future plantings have on these natural ecosystems and on regional wildlife?

The Ohio Agricultural Research and Development Center has been evaluating the species listed in the Appendix for yearly growth rates, habit of growth, insect and disease susceptibility, and environmental concerns. To make informed planting decisions, planners need to evaluate this type of information in conjunction with their own experiences.

Literature Cited

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Appendix

Table 1.—National ranking and rating of top 40 taxon in 1986 (number of respondents = 184)

Rank	Taxon	Rating
1	<i>Pyrus calleryana</i> 'Bradford'	68.6
2	<i>Quercus palustris</i>	68.1
3	<i>Acer rubrum</i>	62.1
4	<i>Acer rubrum</i> 'Red Sunset'	61.0
5	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	60.0
6	<i>Acer platanoides</i> 'Crimson King'	57.3
7	<i>Malus</i> x 'Snowdrift'	55.7
8	<i>Cercis canadensis</i>	55.6
9	<i>Cornus florida</i>	54.1
10	<i>Acer ginnala</i>	53.8
11	<i>Betula nigra</i>	53.6
12	<i>Tilia cordata</i> 'Greenspire'	52.0
13	<i>Gleditsia triacanthos</i> 'Skyline'	50.9
14	<i>Acer saccharum</i>	50.6
15	<i>Quercus rubra</i>	49.9
16	<i>Acer platanoides</i> 'Emerald Queen'	49.7
17	<i>Gleditsia triacanthos</i> 'Shademaster'	49.6
18	<i>Crataegus phaenopyrum</i>	49.0
19	<i>Malus</i> x 'Royalty'	48.1
20	<i>Acer saccharum</i> 'Green Mountain'	47.6
21	<i>Fraxinus pennsylvanica</i> 'Summit'	47.0
22	<i>Magnolia</i> x <i>soulangiana</i>	46.8
23	<i>Prunus serrulata</i> 'Kwansan'	46.5
24	<i>Gleditsia triacanthos</i> 'Sunburst'	46.5
25	<i>Tilia cordata</i>	44.1
26	<i>Liquidambar styraciflua</i>	42.8
27	<i>Malus sieboldi</i> zumi 'Calocarpa'	42.0
28	<i>Acer saccharinum</i>	41.9
29	<i>Acer rubrum</i> 'October Glory'	40.7
30	<i>Sorbus aucuparia</i>	40.6
31	<i>Acer platanoides</i>	39.6
32	<i>Cornus kousa</i>	39.4
33	<i>Fraxinus pennsylvanica</i>	37.4
34	<i>Fraxinus americana</i> 'Autumn Purple'	36.2
35	<i>Magnolia stellata</i>	35.9
36	<i>Tilia americana</i> 'Redmond'	33.6
37	<i>Pyrus calleryana</i> 'Aristocrat'	33.1
38	<i>Ginkgo biloba</i>	33.0
39	<i>Acer platanoides</i> 'Schwedler'	32.0
40	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	31.9

Table 2.—Ranking and rating of top 40 taxon for the Northeast region in 1986 (number of respondents = 26)

Rank	Taxon	Rating
1	<i>Quercus palustris</i>	80.8
2	<i>Acer platanoides</i> 'Crimson King'	73.1
2	<i>Acer rubrum</i>	73.1
4	<i>Acer platanoides</i> 'Emerald Queen'	69.2
4	<i>Acer rubrum</i> 'Red Sunset'	69.2
4	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	69.2
4	<i>Pyrus calleryana</i> 'Bradford'	69.2
4	<i>Tilia cordata</i> 'Greenspire'	69.2
9	<i>Cornus florida</i>	65.4
9	<i>Malus</i> x 'Snowdrift'	65.4
9	<i>Quercus rubra</i>	65.4
12	<i>Gleditsia triacanthos</i> 'Skyline'	61.5
13	<i>Acer saccharum</i> 'Green Mountain'	57.7
13	<i>Fraxinus pennsylvanica</i> 'Summit'	57.7
13	<i>Gleditsia triacanthos</i> 'Shademaster'	57.7
13	<i>Malus sieboldi</i> zumi 'Calocarpa'	57.7
13	<i>Sorbus aucuparia</i>	57.7
18	<i>Crataegus phaenopyrum</i>	53.8
18	<i>Prunus serrulata</i> 'Kwansan'	53.8
20	<i>Acer saccharum</i>	50.0
20	<i>Cornus kousa</i>	50.0
20	<i>Gleditsia triacanthos</i> 'Sunburst'	50.0
20	<i>Magnolia</i> x <i>soulangiana</i>	50.0
24	<i>Acer ginnala</i>	46.2
24	<i>Malus</i> x 'Royalty'	46.2
24	<i>Tilia cordata</i>	46.2
27	<i>Acer platanoides</i>	42.3
27	<i>Acer rubrum</i> 'October Glory'	42.3
27	<i>Amelancier laevis</i>	42.3
27	<i>Cercis canadensis</i>	42.3
27	<i>Fagus sylvatica</i>	42.3
27	<i>Ginkgo biloba</i>	42.3
27	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	42.3
34	<i>Carpinus betulus</i> 'Fastigiata'	38.5
34	<i>Cercidiphyllum japonicum</i>	38.5
34	<i>Liquidambar styraciflua</i>	38.5
34	<i>Pyrus calleryana</i> 'Redspire'	38.5
34	<i>Quercus coccinea</i>	38.5
34	<i>Quercus robur</i>	38.5
34	<i>Zelkova serrata</i>	38.5

Table 3.—Ranking and rating of top 40 taxon for the North Central region in 1986 (number of respondents = 42)

Rank	Taxon	Rating
1	<i>Acer ginnala</i>	85.7
2	<i>Betula nigra</i>	81.0
2	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	81.0
4	<i>Malus</i> x 'Snowdrift'	78.6
4	<i>Quercus palustris</i>	78.6
6	<i>Acer rubrum</i> 'Red Sunset'	76.2
6	<i>Cercis canadensis</i>	76.2
8	<i>Fraxinus pennsylvanica</i> 'Summit'	73.8
8	<i>Malus</i> x 'Royalty'	73.8
10	<i>Crataegus phaenopyrum</i>	69.0
10	<i>Gleditsia triacanthos</i> 'Skyline'	69.0
10	<i>Tilia cordata</i> 'Greenspire'	69.0
13	<i>Acer saccharum</i>	66.7
13	<i>Pyrus calleryana</i> 'Bradford'	66.7
15	<i>Acer platanoides</i> 'Emerald Queen'	64.3
16	<i>Acer platanoides</i> 'Crimson King'	61.9
16	<i>Acer rubrum</i>	61.9
16	<i>Acer saccharum</i> 'Green Mountain'	61.9
16	<i>Fraxinus americana</i> 'Autumn Purple'	61.9
16	<i>Gleditsia triacanthos</i> 'Sunburst'	61.9
16	<i>Quercus rubra</i>	61.9
22	<i>Acer saccharinum</i>	59.5
22	<i>Malus sieboldi</i> zumi 'Calocarpa'	59.5
22	<i>Tilia americana</i> 'Redmond'	59.5
25	<i>Acer platanoides</i> 'Superform'	57.1
25	<i>Sorbus aucuparia</i>	57.1
27	<i>Magnolia stellata</i>	54.8
28	<i>Celtis occidentalis</i>	52.4
28	<i>Gleditsia triacanthos</i> 'Shademaster'	52.4
30	<i>Acer platanoides</i> 'Schwedler'	50.0
30	<i>Betula platyphylla</i> 'Whitespire'	50.0
30	<i>Crataegus crusgalli inermis</i>	50.0
33	<i>Acer campestre</i>	47.6
33	<i>Acer platanoides</i>	47.6
33	<i>Gleditsia triacanthos</i> 'Imperial'	47.6
33	<i>Magnolia</i> x <i>soulangiana</i>	47.6
33	<i>Malus spectabilis</i> 'Van Eseltine'	47.6
38	<i>Fraxinus pennsylvanica</i>	45.2
39	<i>Ginkgo biloba</i>	42.9
39	<i>Tilia cordata</i>	42.9

Table 4.—Ranking and rating of top 41 taxon for the Ohio region in 1986 (number of respondents = 59)

Rank	Taxon	Rating
1	<i>Malus</i> x 'Snowdrift'	71.2
2	<i>Pyrus calleryana</i> 'Bradford'	67.8
3	<i>Acer rubrum</i> 'Red Sunset'	66.1
4	<i>Acer platanoides</i> 'Crimson King'	64.4
4	<i>Gleditsia triacanthos</i> 'Skyline'	64.4
6	<i>Malus</i> x 'Royalty'	61.0
7	<i>Crataegus viridis</i> 'Winter King'	55.9
7	<i>Gleditsia triacanthos</i> 'Sunburst'	55.9
7	<i>Quercus palustris</i>	55.9
10	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	54.2
11	<i>Betula nigra</i>	52.5
11	<i>Gleditsia triacanthos</i> 'Shademaster'	52.5
11	<i>Tilia cordata</i> 'Greenspire'	52.5
14	<i>Cornus florida</i>	50.8
15	<i>Crataegus phaenopyrum</i>	49.2
15	<i>Malus sieboldi</i> zumi 'Calocarpa'	49.2
15	<i>Quercus rubra</i>	49.2
18	<i>Fraxinus americana</i> 'Autumn Purple'	47.5
18	<i>Liquidambar styraciflua</i>	47.5
20	<i>Cercis canadensis</i>	45.8
20	<i>Cornus kousa</i>	45.8
22	<i>Magnolia stellata</i>	44.1
23	<i>Acer ginnala</i>	42.4
24	<i>Acer rubrum</i>	40.7
24	<i>Amelancier laevis</i>	40.7
24	<i>Pyrus calleryana</i> 'Aristocrat'	40.7
24	<i>Pyrus calleryana</i> 'Redspire'	40.7
28	<i>Acer platanoides</i> 'Emerald Queen'	39.0
28	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	39.0
30	<i>Fraxinus pennsylvanica</i> 'Summit'	37.3
31	<i>Acer saccharum</i>	35.6
31	<i>Acer saccharum</i> 'Green Mountain'	35.6
33	<i>Acer rubrum</i> 'October Glory'	33.9
33	<i>Sorbus aucuparia</i>	33.9
35	<i>Acer platanoides</i>	30.5
35	<i>Betula nigra</i> 'Heritage'	30.5
35	<i>Betula platyphylla</i> 'Whitespire'	30.5
35	<i>Carpinus betulus</i> 'Fastigiata'	30.5
35	<i>Magnolia</i> x <i>soulangeana</i>	30.5
35	<i>Prunus serrulata</i> 'Kwansan'	30.5
35	<i>Tilia cordata</i>	30.5

Table 5.—Ranking and rating of top 43 taxon for the South region in 1986 (number of respondents = 38)

Rank	Taxon	Rating
1	<i>Pyrus calleryana</i> 'Bradford'	84.2
2	<i>Cornus florida</i>	68.4
3	<i>Cercis canadensis</i>	65.8
4	<i>Liquidambar styraciflua</i>	63.2
5	<i>Acer rubrum</i>	60.5
5	<i>Betula nigra</i>	60.5
5	<i>Magnolia grandiflora</i>	60.5
5	<i>Quercus palustris</i>	60.5
9	<i>Magnolia</i> x <i>soulangeana</i>	57.9
9	<i>Quercus phellos</i>	57.9
11	<i>Ilex</i> x <i>attenuata</i> 'Fosteri'	52.6
12	<i>Acer rubrum</i> 'Red Sunset'	50.0
13	<i>Acer rubrum</i> 'October Glory'	47.4
13	<i>Cornus kousa</i>	47.4
15	<i>Acer saccharum</i>	44.7
15	<i>Prunus serrulata</i> 'Kwansan'	44.7
15	<i>Pyrus calleryana</i> 'Aristocrat'	44.7
18	<i>Koelreuteria paniculata</i>	42.1
18	<i>Liriodendron tulipifera</i>	42.1
20	<i>Acer saccharum</i> 'Green Mountain'	39.5
20	<i>Quercus rubra</i>	39.5
22	<i>Acer platanoides</i> 'Crimson King'	36.8
22	<i>Crataegus phaenopyrum</i>	36.8
22	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	36.8
22	<i>Quercus shumardi</i>	36.8
26	<i>Acer saccharinum</i>	34.2
26	<i>Fraxinus pennsylvanica</i>	34.2
26	<i>Magnolia stellata</i>	34.2
26	<i>Malus</i> x 'Snowdrift'	34.2
26	<i>Malus sieboldi</i> zumi 'Calocarpa'	34.2
31	<i>Gleditsia triacanthos</i> 'Shademaster'	31.6
31	<i>Malus</i> x 'Royalty'	31.6
33	<i>Acer ginnala</i>	28.9
33	<i>Nyssa sylvatica</i>	28.9
33	<i>Quercus nigra</i>	28.9
33	<i>Quercus virginiana</i>	28.9
33	<i>Zelkova serrata</i>	28.9
38	<i>Acer palmatum</i>	26.3
38	<i>Betula nigra</i> 'Heritage'	26.3
38	<i>Ginkgo biloba</i>	26.3
38	<i>Pyrus calleryana</i> 'Redspire'	26.3
38	<i>Taxodium distichum</i>	26.3
38	<i>Tilia cordata</i>	26.3

Table 6.—Ranking and rating of top 41 taxon for the West region in 1986 (number of respondents = 19)

Rank	Taxon	Rating
1	<i>Tilia cordata</i>	78.9
2	<i>Acer ginnala</i>	73.7
2	<i>Acer platanoides</i> 'Emerald Queen'	73.7
4	<i>Acer platanoides</i> 'Crimson King'	68.4
4	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	68.4
4	<i>Gleditsia triacanthos</i> 'Shademaster'	68.4
7	<i>Acer platanoides</i>	63.2
7	<i>Acer platanoides</i> 'Schwedler'	63.2
7	<i>Gleditsia triacanthos</i> 'Skyline'	63.2
7	<i>Gleditsia triacanthos</i> 'Sunburst'	63.2
7	<i>Prunus serrulata</i> 'Kwansan'	63.2
7	<i>Tilia americana</i> 'Redmond'	63.2
7	<i>Tilia cordata</i> 'Greenspire'	63.2
14	<i>Acer rubrum</i>	57.9
14	<i>Quercus palustris</i>	57.9
16	<i>Acer platanoides</i> 'Royal Red'	52.6
16	<i>Acer rubrum</i> 'Red Sunset'	52.6
16	<i>Fraxinus pennsylvanica</i> 'Summit'	52.6
16	<i>Malus</i> x 'Snowdrift'	52.6
16	<i>Prunus</i> x <i>blireiana</i>	52.6
16	<i>Sorbus aucuparia</i>	52.6
22	<i>Acer platanoides</i> 'Columnare'	47.4
22	<i>Acer saccharinum</i>	47.4
22	<i>Acer saccharum</i>	47.4
22	<i>Crataegus laevigata</i> 'Pauli'	47.4
22	<i>Crataegus</i> x <i>lavalleyi</i>	47.4
22	<i>Elaeagnus angustifolia</i>	47.4
22	<i>Fraxinus pennsylvanica</i>	47.4
22	<i>Malus</i> x 'Royalty'	47.4
30	<i>Celtis occidentalis</i>	42.1
30	<i>Crataegus phaenopyrum</i>	42.1
30	<i>Fraxinus americana</i> 'Autumn Purple'	42.1
30	<i>Gleditsia triacanthos</i> 'Imperial'	42.1
30	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	42.1
30	<i>Pyrus calleryana</i> 'Bradford'	42.1
36	<i>Acer palmatum</i>	36.8
36	<i>Acer saccharum</i> 'Green Mountain'	36.8
36	<i>Betula nigra</i>	36.8
36	<i>Koeleruteria paniculata</i>	36.8
36	<i>Quercus rubra</i>	36.8
36	<i>Zelkova serrata</i>	36.8

Table 7.—Summary of ratings for all taxon in 1986 for the Nation (US), Northeast (NE), North Central (NC), Ohio, South (SO), and West regions

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Acer buergerianum</i>	5.7	3.8	4.8	6.8	10.5	0.0
<i>Acer campestre</i>	22.0	23.1	47.6	28.8	5.3	21.1
<i>Acer x freemanii</i> 'Autumn Blaze'	2.9	0.0	0.0	1.7	2.6	10.5
<i>Acer ginnala</i>	53.3	46.2	85.7	42.4	28.9	73.7
<i>Acer negundo</i>	7.6	0.0	4.8	0.0	5.3	26.3
<i>Acer nigrum</i>	5.1	7.7	11.9	1.7	2.6	0.0
<i>Acer palmatum</i>	29.7	30.8	28.6	28.8	26.3	36.8
<i>Acer platanoides</i>	39.4	42.3	47.6	30.5	21.1	63.2
<i>Acer platanoides</i> 'Cleveland'	15.4	19.2	19.0	11.9	5.3	26.3
<i>Acer platanoides</i> 'Columnare'	26.3	30.8	31.0	16.9	10.5	47.4
<i>Acer platanoides</i> 'Crimson King'	57.0	73.1	61.9	64.4	36.8	68.4
<i>Acer platanoides</i> 'Emerald Queen'	49.3	69.2	64.3	39.0	15.8	73.7
<i>Acer platanoides</i> 'Globosum'	3.6	7.7	4.8	0.0	0.0	5.3
<i>Acer platanoides</i> 'Jade Glen'	7.1	7.7	19.0	10.2	0.0	5.3
<i>Acer platanoides</i> 'Olmsted'	0.8	3.8	0.0	0.0	0.0	0.0
<i>Acer platanoides</i> 'Royal Red'	28.3	26.9	33.3	27.1	13.2	52.6
<i>Acer platanoides</i> 'Schwedler'	31.7	26.9	50.0	22.0	7.9	63.2
<i>Acer platanoides</i> 'Summershade'	21.3	34.6	28.6	8.5	13.2	15.8
<i>Acer platanoides</i> 'Superform'	23.4	26.9	57.1	16.9	2.6	21.1
<i>Acer pseudoplatanus</i>	12.1	26.9	2.4	0.0	2.6	26.3
<i>Acer rubrum</i>	61.8	73.1	61.9	40.7	60.5	57.9
<i>Acer rubrum</i> 'Armstrong'	26.4	26.9	31.0	27.1	23.7	26.3
<i>Acer rubrum</i> 'Autumn Flame'	20.9	23.1	28.6	16.9	18.4	15.8
<i>Acer rubrum</i> 'Autumn Glory'	9.1	15.4	7.1	10.2	5.3	10.5
<i>Acer rubrum</i> 'Bowhall'	9.7	19.2	14.3	11.9	0.0	10.5
<i>Acer rubrum</i> 'Columnare'	6.9	15.4	7.1	5.1	2.6	5.3
<i>Acer rubrum</i> 'Doric'	0.5	0.0	2.4	0.0	0.0	0.0
<i>Acer rubrum</i> 'Northwood'	11.4	3.8	23.8	0.0	7.9	15.8
<i>Acer rubrum</i> 'October Glory'	40.5	42.3	38.1	33.9	47.4	31.6
<i>Acer rubrum</i> 'Red Sunset'	60.7	69.2	76.2	66.1	50.0	52.6
<i>Acer rubrum</i> 'Scarlet Sentinel'	11.4	23.1	14.3	13.6	5.3	5.3
<i>Acer rubrum</i> 'Schlesinger'	5.7	3.8	11.9	10.2	2.6	5.3
<i>Acer rubrum</i> 'Tilford'	1.3	3.8	2.4	0.0	0.0	0.0
<i>Acer saccharinum</i>	41.6	34.6	59.5	28.8	34.2	47.4
<i>Acer saccharinum</i> 'Silver Queen'	15.9	7.7	33.3	13.6	5.3	26.3
<i>Acer saccharum</i>	50.3	50.0	66.7	35.6	44.7	47.4
<i>Acer saccharum</i> 'Columnare'	4.2	3.8	7.1	1.7	5.3	0.0
<i>Acer saccharum</i> 'Globosum'	1.0	0.0	4.8	0.0	0.0	0.0
<i>Acer saccharum</i> 'Green Mountain'	47.3	57.7	61.9	35.6	39.5	36.8
<i>Acer saccharum</i> 'Legacy'	12.0	3.8	23.8	10.2	5.3	21.1
<i>Acer saccharum</i> 'Sweet Shadow'	1.4	3.8	2.4	1.7	0.0	0.0
<i>Aesculus glabra</i>	7.9	7.7	23.8	6.8	0.0	5.3
<i>Aesculus hippocastanum</i>	11.2	19.2	14.3	1.7	0.0	21.1
<i>Aesculus octandra</i>	1.5	0.0	7.1	0.0	0.0	0.0
<i>Alnus glutinosa</i>	7.9	0.0	31.0	10.2	0.0	5.3
<i>Alnus glutinosa</i> 'Pyramidalis'	0.1	0.0	0.0	1.7	0.0	0.0
<i>Amelanchier x grandiflora</i>	16.5	23.1	26.2	28.8	7.9	10.5
<i>Amelanchier laevis</i>	23.0	42.3	31.0	40.7	13.2	5.3
<i>Betula nigra</i>	53.2	30.8	81.0	52.5	60.5	36.8
<i>Betula nigra</i> 'Heritage'	31.3	30.8	40.5	30.5	26.3	31.6
<i>Betula platyphylla</i>	19.1	15.4	23.8	13.6	15.8	26.3
<i>Betula platyphylla</i> 'Whitespire'	24.9	30.8	50.0	30.5	15.8	5.3
<i>Carpinus betulus</i>	11.4	30.8	11.9	6.8	2.6	5.3
<i>Carpinus betulus</i> 'Fastigiata'	21.0	38.5	26.2	30.5	5.3	21.1

(continued on page 8)

Table 7. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Castanea mollissima</i>	9.0	11.5	7.1	10.2	10.5	5.3
<i>Celtis laevigata</i>	2.8	3.8	4.8	1.7	2.6	0.0
<i>Celtis occidentalis</i>	30.3	23.1	52.4	6.8	18.4	42.1
<i>Cercidiphyllum japonicum</i>	18.0	38.5	16.7	13.6	10.5	10.5
<i>Cercis canadensis</i>	55.2	42.3	76.2	45.8	65.8	31.6
<i>Cercis canadensis texensis</i>	1.9	0.0	0.0	0.0	2.6	5.3
<i>Cornus florida</i>	53.9	65.4	40.5	50.8	68.4	31.6
<i>Cornus kousa</i>	39.3	50.0	26.2	45.8	47.4	26.3
<i>Cornus mas</i>	22.3	34.6	38.1	25.4	7.9	15.8
<i>Cornus officinalis</i>	3.8	3.8	9.5	1.7	2.6	0.0
<i>Corylus colurna</i>	5.7	7.7	16.7	11.9	0.0	0.0
<i>Crataegus crusgalli inermis</i>	21.6	19.2	50.0	27.1	5.3	21.1
<i>Crataegus intricata</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Crataegus laevigata</i>	2.0	0.0	4.8	0.0	0.0	5.3
<i>Crataegus laevigata</i> 'Crimson Cloud'	20.3	30.8	9.5	8.5	15.8	31.6
<i>Crataegus laevigata</i> 'Pauli'	13.0	3.8	7.1	3.4	5.3	47.4
<i>Crataegus</i> x <i>lavalleyi</i>	22.2	26.9	19.0	18.6	7.9	47.4
<i>Crataegus mollis</i>	6.9	11.5	11.9	0.0	2.6	5.3
<i>Crataegus nitida</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Crataegus phaenopyrum</i>	48.7	53.8	69.0	49.2	36.8	42.1
<i>Crataegus prunifolia</i>	2.0	0.0	9.5	0.0	0.0	0.0
<i>Crataegus punctata</i>	2.5	0.0	11.9	0.0	0.0	0.0
<i>Crataegus punctata</i> 'Ohio Pioneer'	3.1	7.7	4.8	8.5	0.0	0.0
<i>Crataegus viridis</i> 'Winter King'	26.5	26.9	33.3	55.9	21.1	21.1
<i>Elaeagnus angustifolia</i>	28.3	23.1	35.7	16.9	18.4	47.4
<i>Eucommia ulmoides</i>	3.6	3.8	9.5	15.3	0.0	0.0
<i>Euonymus bungeana</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Fagus sylvatica</i>	20.0	42.3	23.8	25.4	7.9	10.5
<i>Fagus sylvatica</i> 'Dawyck'	4.5	11.5	0.0	3.4	2.6	5.3
<i>Fraxinus americana</i>	21.4	26.9	23.8	13.6	23.7	10.5
<i>Fraxinus americana</i> 'Autumn Applause'	9.4	3.8	9.5	18.6	5.3	21.1
<i>Fraxinus americana</i> 'Autumn Purple'	35.9	30.8	61.9	47.5	18.4	42.1
<i>Fraxinus americana</i> 'Hillcrest'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Fraxinus americana</i> 'Skyline'	6.7	7.7	7.1	16.9	5.3	5.3
<i>Fraxinus excelsior</i> 'Hessei'	6.8	7.7	9.5	10.2	7.9	0.0
<i>Fraxinus holotricha</i> 'Moraine'	1.6	0.0	2.4	1.7	0.0	5.3
<i>Fraxinus pennsylvanica</i>	37.2	30.8	45.2	16.9	34.2	47.4
<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	59.6	69.2	81.0	54.2	36.8	68.4
<i>Fraxinus pennsylvanica</i> 'Summit'	46.6	57.7	73.8	37.3	21.1	52.6
<i>Fraxinus tomentosa</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Ginkgo biloba</i>	32.8	42.3	42.9	18.6	26.3	26.3
<i>Ginkgo biloba</i> 'Autumn Gold'	5.3	0.0	9.5	8.5	0.0	15.8
<i>Ginkgo biloba</i> 'Lakeview'	1.0	3.8	0.0	3.4	0.0	0.0
<i>Ginkgo biloba</i> 'Sinclair'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Gleditsia triacanthos inermis</i>	25.8	26.9	26.2	13.6	23.7	31.6
<i>Gleditsia triacanthos</i> 'Imperial'	28.4	23.1	47.6	25.4	13.2	42.1
<i>Gleditsia triacanthos</i> 'Moraine'	9.8	0.0	16.7	10.2	0.0	31.6
<i>Gleditsia triacanthos</i> 'Shademaster'	49.3	57.7	52.4	52.5	31.6	68.4
<i>Gleditsia triacanthos</i> 'Skyline'	50.6	61.5	69.0	64.4	23.7	63.2
<i>Gleditsia triacanthos</i> 'Sunburst'	46.2	50.0	61.9	55.9	23.7	63.2
<i>Gymnocladus dioica</i>	17.2	7.7	31.0	15.3	13.2	21.1
<i>Halesia carolina</i>	9.1	19.2	9.5	5.1	7.9	0.0
<i>Ilex</i> x <i>attenuata</i> 'Fosteri'	18.7	0.0	4.8	1.7	52.6	0.0
<i>Koeleruteria paniculata</i>	31.4	30.8	14.3	16.9	42.1	36.8
<i>Liquidambar styraciflua</i>	42.7	38.5	33.3	47.5	63.2	21.1

(continued on page 9)

Table 7. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Liquidambar styraciflua</i> 'Festival'	1.0	0.0	0.0	0.0	0.0	5.3
<i>Liquidambar styraciflua</i> 'Moraine'	0.2	0.0	0.0	5.1	0.0	0.0
<i>Liriodendron tulipifera</i>	31.3	23.1	26.2	16.9	42.1	31.6
<i>Maclura pomifera</i>	2.9	0.0	9.5	1.7	2.6	0.0
<i>Maclura pomifera inermis</i>	1.9	0.0	4.8	0.0	2.6	0.0
<i>Magnolia</i> x 'Galaxy'	1.7	3.8	0.0	0.0	2.6	0.0
<i>Magnolia grandiflora</i>	24.3	3.8	4.8	5.1	60.5	10.5
<i>Magnolia</i> x <i>loebneri</i> 'Merrill'	17.5	19.2	23.8	22.0	15.8	10.5
<i>Magnolia</i> x <i>soulangeana</i>	46.6	50.0	47.6	30.5	57.9	26.3
<i>Magnolia stellata</i>	35.6	30.8	54.8	44.1	34.2	21.1
<i>Malus</i> x 'Harvest Gold'	9.8	11.5	14.3	8.5	0.0	21.1
<i>Malus</i> x 'Red Jewel'	10.4	11.5	19.0	22.0	2.6	10.5
<i>Malus</i> x 'Royal Ruby'	10.2	11.5	26.2	28.8	2.6	0.0
<i>Malus</i> x 'Royalty'	47.8	46.2	73.8	61.0	31.6	47.4
<i>Malus</i> x 'Snowdrift'	55.3	65.4	78.6	71.2	34.2	52.6
<i>Malus</i> x 'Sugar Tyme'	10.2	15.4	11.9	10.2	0.0	21.1
<i>Malus</i> x 'Velvet Pillar'	4.9	11.5	9.5	8.5	0.0	0.0
<i>Malus</i> x 'White Candle'	9.1	7.7	19.0	11.9	2.6	10.5
<i>Malus sieboldi</i> zumi 'Calocarpa'	41.7	57.7	59.5	49.2	34.2	15.8
<i>Malus spectabilis</i> 'Van Eseltine'	26.6	34.6	47.6	23.7	21.1	5.3
<i>Malus tschonoskii</i>	5.0	11.5	9.5	10.2	0.0	0.0
<i>Metasequoia glyptostroboides</i>	20.4	34.6	14.3	20.3	23.7	5.3
<i>Morus alba</i>	5.5	3.8	4.8	0.0	5.3	10.5
<i>Morus alba sterile</i>	7.0	7.7	7.1	3.4	5.3	10.5
<i>Morus rubra</i>	0.9	0.0	0.0	0.0	2.6	0.0
<i>Nyssa sylvatica</i>	22.0	30.8	21.4	23.7	28.9	0.0
<i>Ostrya virginiana</i>	14.2	19.2	28.6	10.2	10.5	0.0
<i>Phellodendron amurense</i>	18.1	23.1	26.2	6.8	15.8	10.5
<i>Pistachia chinensis</i>	4.5	0.0	0.0	0.0	10.5	5.3
<i>Platanus</i> x <i>acerifolia</i>	18.0	23.1	11.9	5.1	13.2	31.6
<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	31.8	42.3	23.8	39.0	23.7	42.1
<i>Prunus</i> x <i>blireiana</i>	12.4	7.7	2.4	8.5	0.0	52.6
<i>Prunus sargentii</i>	12.5	23.1	7.1	6.8	5.3	21.1
<i>Prunus sargentii</i> 'Columnaris'	4.0	11.5	2.4	0.0	0.0	5.3
<i>Prunus serrulata</i> 'Kwansan'	46.4	53.8	31.0	30.5	44.7	63.2
<i>Pyrus calleryana</i>	16.1	15.4	14.3	13.6	18.4	15.8
<i>Pyrus calleryana</i> 'Aristocrat'	33.0	19.2	33.3	40.7	44.7	26.3
<i>Pyrus calleryana</i> 'Bradford'	68.3	69.2	66.7	67.8	84.2	42.1
<i>Pyrus calleryana</i> 'Chanticleer'	12.4	19.2	19.0	8.5	2.6	15.8
<i>Pyrus calleryana</i> 'Faurieri'	8.1	3.8	16.7	22.0	5.3	5.3
<i>Pyrus calleryana</i> 'Rancho'	0.5	0.0	2.4	0.0	0.0	0.0
<i>Pyrus calleryana</i> 'Redspire'	31.0	38.5	28.6	40.7	26.3	31.6
<i>Pyrus calleryana</i> 'White House'	13.9	15.4	9.5	6.8	15.8	15.8
<i>Quercus alba</i>	16.6	26.9	19.0	11.9	18.4	0.0
<i>Quercus bicolor</i>	14.5	15.4	33.3	10.2	5.3	10.5
<i>Quercus coccinea</i>	24.3	38.5	16.7	11.9	23.7	21.1
<i>Quercus imbricaria</i>	2.7	7.7	4.8	0.0	0.0	0.0
<i>Quercus macrocarpa</i>	11.9	19.2	16.7	10.2	5.3	10.5
<i>Quercus nigra</i>	12.4	7.7	4.8	0.0	28.9	0.0
<i>Quercus palustris</i>	67.7	80.8	78.6	55.9	60.5	57.9
<i>Quercus phellos</i>	24.2	19.2	2.4	1.7	57.9	0.0
<i>Quercus robur</i>	20.2	38.5	21.4	20.3	13.2	10.5
<i>Quercus robur</i> 'Fastigiata'	14.2	26.9	14.3	15.3	7.9	10.5
<i>Quercus rubra</i>	49.6	65.4	61.9	49.2	39.5	36.8
<i>Quercus shumardi</i>	18.4	11.5	9.5	11.9	36.8	5.3

(continued on page 10)

Table 7. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Quercus virginiana</i>	9.7	0.0	0.0	0.0	28.9	0.0
<i>Robinia x ambigua decausneana</i>	1.0	0.0	0.0	0.0	0.0	5.3
<i>Robinia pseudoacacia</i>	8.2	3.8	7.1	8.5	10.5	10.5
<i>Sorbus aucuparia</i>	40.3	57.7	57.1	33.9	13.2	52.6
<i>Sorbus aucuparia</i> 'Cardinal'	18.8	23.1	33.3	22.0	2.6	26.3
<i>Sorbus aucuparia</i> 'Wilson'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Sorbus x thuringiaca</i>	1.8	3.8	4.8	0.0	0.0	0.0
<i>Sorbus x thuringiaca</i> 'Oak Leaf'	5.3	3.8	7.1	0.0	0.0	15.8
<i>Sorbus tianshanica</i>	3.7	3.8	9.5	0.0	2.6	0.0
<i>Syringa reticulata</i>	11.2	15.4	21.4	13.6	5.3	5.3
<i>Taxodium distichum</i>	19.8	11.5	35.7	22.0	26.3	0.0
<i>Tilia americana</i>	12.1	15.4	26.2	8.5	2.6	10.5
<i>Tilia americana</i> 'Redmond'	33.3	23.1	59.5	13.6	10.5	63.2
<i>Tilia cordata</i>	43.9	46.2	42.9	30.5	26.3	78.9
<i>Tilia cordata</i> 'Bicentennial'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia cordata</i> 'Chancellor'	3.9	3.8	9.5	5.1	2.6	0.0
<i>Tilia cordata</i> 'Greenspire'	51.7	69.2	69.0	52.5	23.7	63.2
<i>Tilia cordata</i> 'June Bride'	7.9	11.5	14.3	10.2	0.0	10.5
<i>Tilia cordata</i> 'Rancho'	1.5	0.0	2.4	0.0	0.0	5.3
<i>Tilia x euchlora</i>	11.5	15.4	9.5	11.9	7.9	15.8
<i>Tilia x europaea</i>	0.8	3.8	0.0	0.0	0.0	0.0
<i>Tilia x europaea</i> 'Pallida'	1.0	3.8	0.0	3.4	0.0	0.0
<i>Tilia mongolica</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia platyphyllos</i> 'Orebro'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia platyphyllos</i> 'Fastigiata'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia tomentosa</i>	8.3	11.5	7.1	10.2	2.6	15.8
<i>Ulmus x 'Homestead'</i>	0.1	0.0	0.0	1.7	0.0	0.0
<i>Ulmus x 'Pioneer'</i>	0.1	0.0	0.0	1.7	0.0	0.0
<i>Ulmus x 'Urban Elm'</i>	0.9	3.8	0.0	1.7	0.0	0.0
<i>Ulmus americana</i>	3.6	3.8	4.8	0.0	5.3	0.0
<i>Ulmus parvifolia</i>	13.9	7.7	9.5	6.8	23.7	10.5
<i>Zelkova serrata</i>	28.1	38.5	9.5	25.4	28.9	36.8
<i>Zelkova serrata</i> 'Village Green'	20.4	26.9	9.5	10.2	18.4	31.6

Table 8.—National ranking and rating of top 40 taxon in 1983 (number of respondents = 190)

Rank	Taxon	Rating
1	<i>Quercus palustris</i>	68.6
2	<i>Acer rubrum</i>	64.8
3	<i>Pyrus calleryana</i> 'Bradford'	64.3
4	<i>Acer saccharum</i>	62.4
5	<i>Cornus florida</i>	60.5
6	<i>Acer platanoides</i> 'Crimson King'	57.4
7	<i>Malus</i> x 'Radiant'	57.1
8	<i>Cercis canadensis</i>	56.7
9	<i>Acer platanoides</i>	55.9
10	<i>Tilia cordata</i> 'Greenspire'	55.2
11	<i>Betula nigra</i>	52.4
12	<i>Malus</i> x 'Snowdrift'	50.7
13	<i>Prunus serrulata</i> 'Kwansan'	50.3
14	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	50.2
15	<i>Acer rubrum</i> 'Red Sunset'	49.1
16	<i>Magnolia</i> x <i>soulangiana</i>	48.7
17	<i>Gleditsia triacanthos</i> 'Shademaster'	48.5
18	<i>Malus</i> x 'Royalty'	48.3
19	<i>Acer platanoides</i> 'Emerald Queen'	46.9
20	<i>Acer ginnala</i>	46.7
21	<i>Gleditsia triacanthos</i> 'Sunburst'	45.5
22	<i>Acer saccharinum</i>	45.3
23	<i>Liquidambar styraciflua</i>	44.4
24	<i>Gleditsia triacanthos inermis</i>	44.2
25	<i>Acer palmatum</i>	43.6
26	<i>Sorbus aucuparia</i>	43.0
27	<i>Gleditsia triacanthos</i> 'Skyline'	42.1
28	<i>Quercus rubra</i>	40.7
29	<i>Tilia cordata</i>	40.5
30	<i>Elaeagnus angustifolia</i>	38.5
31	<i>Liriodendron tulipifera</i>	38.5
32	<i>Fraxinus pennsylvanica</i> 'Summit'	37.1
33	<i>Cornus kousa</i>	37.1
34	<i>Ginkgo biloba</i>	36.9
35	<i>Fraxinus pennsylvanica</i>	36.7
36	<i>Acer saccharum</i> 'Green Mountain'	36.2
37	<i>Acer rubrum</i> 'October Glory'	35.9
38	<i>Malus sieboldi</i> <i>zumii</i> 'Calocarpa'	35.0
39	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	34.8
40	<i>Magnolia stellata</i>	33.6

Table 9.—Ranking and rating of top 41 taxon for the Northeast region in 1983 (number of respondents = 28)

Rank	Taxon	Rating
1	<i>Acer platanoides</i> 'Crimson King'	89.3
2	<i>Malus</i> x 'Radiant'	85.7
2	<i>Tilia cordata</i> 'Greenspire'	85.7
4	<i>Acer rubrum</i>	82.1
4	<i>Quercus palustris</i>	82.1
6	<i>Acer platanoides</i> 'Emerald Queen'	78.6
6	<i>Acer saccharum</i>	78.6
8	<i>Malus</i> x 'Snowdrift'	75.0
8	<i>Prunus serrulata</i> 'Kwansan'	75.0
10	<i>Gleditsia triacanthos</i> 'Shademaster'	71.4
11	<i>Acer platanoides</i>	67.9
11	<i>Cornus florida</i>	67.9
11	<i>Gleditsia triacanthos</i> 'Sunburst'	67.9
11	<i>Pyrus calleryana</i> 'Bradford'	67.9
15	<i>Acer rubrum</i> 'Red Sunset'	64.3
15	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	64.3
17	<i>Malus</i> x 'Royalty'	60.7
17	<i>Quercus rubra</i>	60.7
19	<i>Acer saccharum</i> 'Green Mountain'	57.1
19	<i>Ginkgo biloba</i>	57.1
19	<i>Gleditsia triacanthos</i> 'Skyline'	57.1
22	<i>Acer palmatum</i>	53.6
22	<i>Sorbus aucuparia</i>	53.6
24	<i>Malus sieboldi</i> <i>zumii</i> 'Calocarpa'	50.0
24	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	50.0
24	<i>Tilia cordata</i>	50.0
27	<i>Acer rubrum</i> 'October Glory'	46.4
27	<i>Cercis canadensis</i>	46.4
27	<i>Cornus kousa</i>	46.4
27	<i>Fraxinus pennsylvanica</i> 'Summit'	46.4
27	<i>Gleditsia triacanthos</i> 'Imperial'	46.4
27	<i>Magnolia</i> x <i>soulangiana</i>	46.4
33	<i>Acer platanoides</i> 'Columnare'	42.9
33	<i>Fraxinus pennsylvanica</i>	42.9
35	<i>Acer ginnala</i>	39.3
35	<i>Acer saccharinum</i>	39.3
35	<i>Fraxinus americana</i> 'Autumn Purple'	39.3
35	<i>Gleditsia triacanthos inermis</i>	39.3
39	<i>Acer rubrum</i> 'Armstrong'	35.7
39	<i>Magnolia stellata</i>	35.7
39	<i>Quercus coccinea</i>	35.7

Table 10.—Ranking and rating of top 42 taxon for the North Central region in 1983 (number of respondents = 62)

Rank	Taxon	Rating
1	<i>Quercus palustris</i>	82.3
2	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	80.6
3	<i>Malus</i> x 'Royalty'	79.0
4	<i>Acer ginnala</i>	77.4
4	<i>Acer rubrum</i> 'Red Sunset'	77.4
4	<i>Fraxinus pennsylvanica</i> 'Summit'	77.4
7	<i>Betula nigra</i>	75.8
7	<i>Malus</i> x 'Radiant'	75.8
7	<i>Tilia cordata</i> 'Greenspire'	75.8
10	<i>Cercis canadensis</i>	72.6
10	<i>Malus</i> x 'Snowdrift'	72.6
12	<i>Gleditsia triacanthos</i> 'Skyline'	69.4
12	<i>Pyrus calleryana</i> 'Bradford'	69.4
14	<i>Acer saccharum</i>	67.7
15	<i>Acer platanoides</i>	66.1
15	<i>Acer platanoides</i> 'Emerald Queen'	66.1
15	<i>Acer rubrum</i>	66.1
15	<i>Gleditsia triacanthos</i> 'Sunburst'	66.1
19	<i>Tilia americana</i> 'Redmond'	62.9
20	<i>Acer platanoides</i> 'Crimson King'	61.3
20	<i>Sorbus aucuparia</i>	61.3
22	<i>Elaeagnus angustifolia</i>	56.5
22	<i>Fraxinus americana</i> 'Autumn Purple'	56.5
22	<i>Malus sieboldi</i> zumi 'Calocarpa'	56.5
25	<i>Acer saccharinum</i>	54.8
25	<i>Acer saccharum</i> 'Green Mountain'	54.8
27	<i>Gleditsia triacanthos</i> 'Shademaster'	53.2
27	<i>Tilia cordata</i>	53.2
29	<i>Quercus rubra</i>	51.6
30	<i>Acer platanoides</i> 'Royal Red'	50.0
30	<i>Ginkgo biloba</i>	50.0
30	<i>Magnolia</i> x <i>soulangiana</i>	50.0
33	<i>Magnolia stellata</i>	48.4
34	<i>Acer platanoides</i> 'Columnare'	45.2
34	<i>Acer platanoides</i> 'Superform'	45.2
34	<i>Cornus florida</i>	45.2
34	<i>Crataegus phaenopyrum</i>	45.2
38	<i>Celtis occidentalis</i>	43.5
38	<i>Taxodium distichum</i>	43.5
40	<i>Cornus mas</i>	41.9
40	<i>Gleditsia triacanthos</i> 'Imperial'	41.9
40	<i>Malus spectabilis</i> 'Van Eseltine'	41.9

Table 11.—Ranking and rating of top 43 taxon for the Ohio region in 1983 (number of respondents = 45)

Rank	Taxon	Rating
1	<i>Acer platanoides</i> 'Crimson King'	82.2
2	<i>Malus</i> x 'Royalty'	77.8
3	<i>Malus</i> x 'Snowdrift'	73.3
4	<i>Malus</i> x 'Radiant'	71.1
5	<i>Acer rubrum</i> 'Red Sunset'	68.9
6	<i>Cercis canadensis</i>	66.7
7	<i>Gleditsia triacanthos</i> 'Skyline'	64.4
8	<i>Betula nigra</i>	62.2
8	<i>Cornus florida</i>	62.2
8	<i>Gleditsia triacanthos</i> 'Sunburst'	62.2
8	<i>Tilia cordata</i> 'Greenspire'	62.2
12	<i>Liquidambar styraciflua</i>	60.0
12	<i>Pyrus calleryana</i> 'Bradford'	60.0
12	<i>Quercus palustris</i>	60.0
15	<i>Acer rubrum</i>	57.8
15	<i>Malus sieboldi</i> zumi 'Calocarpa'	57.8
17	<i>Acer platanoides</i>	55.6
17	<i>Acer saccharum</i>	55.6
17	<i>Fraxinus americana</i> 'Autumn Purple'	55.6
17	<i>Prunus serrulata</i> 'Kwansan'	55.6
21	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	53.3
21	<i>Magnolia</i> x <i>soulangiana</i>	53.3
23	<i>Sorbus aucuparia</i>	51.1
24	<i>Acer rubrum</i> 'October Glory'	48.9
24	<i>Cornus kousa</i>	48.9
24	<i>Crataegus viridis</i> 'Winter King'	48.9
24	<i>Gleditsia triacanthos</i> 'Shademaster'	48.9
24	<i>Magnolia stellata</i>	48.9
24	<i>Malus spectabilis</i> 'Van Eseltine'	48.9
30	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	46.7
31	<i>Acer ginnala</i>	44.4
31	<i>Quercus rubra</i>	44.4
33	<i>Acer palmatum</i>	40.0
33	<i>Acer platanoides</i> 'Emerald Queen'	40.0
33	<i>Malus</i> x 'Royal Ruby'	40.0
36	<i>Crataegus phaenopyrum</i>	37.8
36	<i>Elaeagnus angustifolia</i>	37.8
36	<i>Gleditsia triacanthos</i> 'Imperial'	37.8
36	<i>Liriodendron tulipifera</i>	37.8
40	<i>Acer saccharum</i> 'Green Mountain'	35.6
40	<i>Cornus mas</i>	35.6
40	<i>Fraxinus pennsylvanica</i> 'Summit'	35.6
40	<i>Tilia cordata</i>	35.6

Table 12.—Ranking and rating of top 41 taxon for the South region in 1983 (number of respondents = 37)

Rank	Taxon	Rating
1	<i>Pyrus calleryana</i> 'Bradford'	70.3
2	<i>Acer rubrum</i>	64.9
2	<i>Cercis canadensis</i>	64.9
2	<i>Cornus florida</i>	64.9
5	<i>Betula nigra</i>	62.2
6	<i>Acer saccharum</i>	59.5
6	<i>Magnolia grandiflora</i>	59.5
6	<i>Quercus palustris</i>	59.5
9	<i>Liquidambar styraciflua</i>	56.8
10	<i>Ilex</i> x <i>attenuata</i> 'Fosteri'	54.1
10	<i>Liriodendron tulipifera</i>	54.1
10	<i>Magnolia</i> x <i>soulangiana</i>	54.1
13	<i>Koelreuteria paniculata</i>	51.4
13	<i>Prunus serrulata</i> 'Kwansan'	51.4
13	<i>Quercus phellos</i>	51.4
16	<i>Acer saccharinum</i>	43.2
17	<i>Comus kousa</i>	40.5
17	<i>Gleditsia triacanthos inermis</i>	40.5
19	<i>Acer platanoides</i> 'Crimson King'	37.8
19	<i>Malus</i> x 'Radiant'	37.8
21	<i>Acer palmatum</i>	35.1
21	<i>Acer rubrum</i> 'October Glory'	35.1
21	<i>Elaeagnus angustifolia</i>	35.1
21	<i>Quercus virginiana</i>	35.1
21	<i>Taxodium distichum</i>	35.1
26	<i>Acer platanoides</i>	32.4
27	<i>Gleditsia triacanthos</i> 'Shademaster'	29.7
27	<i>Pyrus calleryana</i> 'Aristocrat'	29.7
29	<i>Acer rubrum</i> 'Red Sunset'	27.0
29	<i>Magnolia stellata</i>	27.0
29	<i>Tilia cordata</i> 'Greenspire'	27.0
32	<i>Acer ginnala</i>	24.3
32	<i>Fraxinus pennsylvanica</i>	24.3
32	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	24.3
32	<i>Ginkgo biloba</i>	24.3
32	<i>Malus</i> x 'Snowdrift'	24.3
32	<i>Nyssa sylvatica</i>	24.3
32	<i>Pyrus calleryana</i>	24.3
32	<i>Quercus nigra</i>	24.3
32	<i>Quercus rubra</i>	24.3
32	<i>Quercus shumardi</i>	24.3

Table 13.—Ranking and rating of top 45 taxon for the West region in 1983 (number of respondents = 18)

Rank	Taxon	Rating
1	<i>Acer platanoides</i>	72.2
2	<i>Gleditsia triacanthos inermis</i>	66.7
3	<i>Acer ginnala</i>	61.1
3	<i>Cornus florida</i>	61.1
5	<i>Acer palmatum</i>	55.6
5	<i>Quercus palustris</i>	55.6
5	<i>Sorbus aucuparia</i>	55.6
8	<i>Acer saccharinum</i>	50.0
8	<i>Fraxinus pennsylvanica</i>	50.0
8	<i>Gleditsia triacanthos</i> 'Shademaster'	50.0
8	<i>Tilia cordata</i>	50.0
12	<i>Acer platanoides</i> 'Crimson King'	44.4
12	<i>Acer platanoides</i> 'Emerald Queen'	44.4
12	<i>Acer rubrum</i>	44.4
12	<i>Acer saccharum</i>	44.4
12	<i>Elaeagnus angustifolia</i>	44.4
12	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	44.4
12	<i>Liquidambar styraciflua</i>	44.4
12	<i>Prunus serrulata</i> 'Kwansan'	44.4
12	<i>Pyrus calleryana</i> 'Bradford'	44.4
12	<i>Tilia cordata</i> 'Greenspire'	44.4
22	<i>Gleditsia triacanthos</i> 'Skyline'	38.9
22	<i>Gleditsia triacanthos</i> 'Sunburst'	38.9
22	<i>Liriodendron tulipifera</i>	38.9
22	<i>Magnolia</i> x <i>soulangiana</i>	38.9
22	<i>Malus</i> x 'Royalty'	38.9
22	<i>Malus</i> x 'Snowdrift'	38.9
22	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	38.9
22	<i>Prunus</i> x <i>blireiana</i>	38.9
22	<i>Quercus coccinea</i>	38.9
31	<i>Acer platanoides</i> 'Columnare'	33.3
31	<i>Acer platanoides</i> 'Royal Red'	33.3
31	<i>Acer rubrum</i> 'Red Sunset'	33.3
31	<i>Betula nigra</i>	33.3
31	<i>Cercis canadensis</i>	33.3
31	<i>Malus</i> x 'Radiant'	33.3
31	<i>Quercus rubra</i>	33.3
31	<i>Tilia americana</i> 'Redmond'	33.3
39	<i>Carpinus betulus</i> 'Fastigiata'	27.8
39	<i>Crataegus</i> x <i>lavalleyi</i>	27.8
39	<i>Fraxinus pennsylvanica</i> 'Summit'	27.8
39	<i>Gleditsia triacanthos</i> 'Imperial'	27.8
39	<i>Koelreuteria paniculata</i>	27.8
39	<i>Pyrus calleryana</i>	27.8
39	<i>Zelkova serrata</i>	27.8

Table 14.—Summary of ratings for all taxon in 1983 for the Nation (US), Northeast (NE), North Central (NC), Ohio, South (SO), and West regions

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Acer buergerianum</i>	4.4	3.6	3.2	4.4	8.1	0.0
<i>Acer campestre</i>	19.4	32.1	27.4	33.3	5.4	16.7
<i>Acer x freemanii</i> 'Autumn Blaze'	0.9	0.0	0.0	0.0	2.7	0.0
<i>Acer ginnala</i>	46.7	39.3	77.4	44.4	24.3	61.1
<i>Acer negundo</i>	5.5	3.6	3.2	0.0	2.7	16.7
<i>Acer nigrum</i>	2.5	0.0	11.3	2.2	0.0	0.0
<i>Acer palmatum</i>	43.6	53.6	37.1	40.0	35.1	55.6
<i>Acer platanoides</i>	55.9	67.9	66.1	55.6	32.4	72.2
<i>Acer platanoides</i> 'Aimira'	0.3	0.0	1.6	0.0	0.0	0.0
<i>Acer platanoides</i> 'Cleveland'	12.3	14.3	21.0	15.6	2.7	16.7
<i>Acer platanoides</i> 'Columnare'	31.1	42.9	45.2	28.9	13.5	33.3
<i>Acer platanoides</i> 'Crimson King'	57.4	89.3	61.3	82.2	37.8	44.4
<i>Acer platanoides</i> 'Emerald Queen'	46.9	78.6	66.1	40.0	16.2	44.4
<i>Acer platanoides</i> 'Globosum'	4.4	3.6	3.2	0.0	2.7	11.1
<i>Acer platanoides</i> 'Greenlace'	6.3	3.6	1.6	2.2	2.7	22.2
<i>Acer platanoides</i> 'Jade Glen'	8.6	7.1	29.0	17.8	0.0	0.0
<i>Acer platanoides</i> 'Olmsted'	0.9	0.0	0.0	0.0	2.7	0.0
<i>Acer platanoides</i> 'Royal Red'	28.6	28.6	50.0	20.0	13.5	33.3
<i>Acer platanoides</i> 'Scanlon'	2.5	3.6	8.1	0.0	0.0	0.0
<i>Acer platanoides</i> 'Summershade'	20.6	25.0	22.6	17.8	18.9	16.7
<i>Acer platanoides</i> 'Superform'	14.6	14.3	45.2	17.8	0.0	5.6
<i>Acer pseudoplatanus</i>	7.5	14.3	1.6	0.0	2.7	16.7
<i>Acer rubrum</i>	64.8	82.1	66.1	57.8	64.9	44.4
<i>Acer rubrum</i> 'Armstrong'	24.3	35.7	35.5	26.7	13.5	16.7
<i>Acer rubrum</i> 'Autumn Flame'	15.1	14.3	29.0	24.4	10.8	5.6
<i>Acer rubrum</i> 'Autumn Glory'	8.4	17.9	6.5	6.7	5.4	5.6
<i>Acer rubrum</i> 'Bowhall'	8.5	14.3	17.7	11.1	0.0	5.6
<i>Acer rubrum</i> 'Columnare'	11.6	25.0	9.7	8.9	10.8	0.0
<i>Acer rubrum</i> 'Doric'	0.3	0.0	1.6	0.0	0.0	0.0
<i>Acer rubrum</i> 'Gerling'	2.3	0.0	1.6	0.0	2.7	5.6
<i>Acer rubrum</i> 'October Glory'	35.9	46.4	40.3	48.9	35.1	16.7
<i>Acer rubrum</i> 'Red Sunset'	49.1	64.3	77.4	68.9	27.0	33.3
<i>Acer rubrum</i> 'Schlesinger'	8.6	10.7	22.6	8.9	0.0	5.6
<i>Acer rubrum</i> 'Tilford'	1.6	0.0	1.6	4.4	0.0	5.6
<i>Acer saccharinum</i>	45.3	39.3	54.8	26.7	43.2	50.0
<i>Acer saccharum</i>	62.4	78.6	67.7	55.6	59.5	44.4
<i>Acer saccharum</i> 'Columnare'	6.9	7.1	9.7	8.9	5.4	5.6
<i>Acer saccharum</i> 'Globosum'	1.7	0.0	3.2	0.0	0.0	5.6
<i>Acer saccharum</i> 'Green Mountain'	36.2	57.1	54.8	35.6	21.6	16.7
<i>Acer saccharum</i> 'Sweet Shadow'	2.8	3.6	4.8	0.0	0.0	5.6
<i>Acer saccharum</i> 'Temple's Upright'	1.2	3.6	1.6	2.2	0.0	0.0
<i>Aesculus glabra</i>	10.2	3.6	27.4	13.3	2.7	11.1
<i>Aesculus octandra</i>	3.5	3.6	3.2	2.2	2.7	5.6
<i>Alnus glutinosa</i>	6.3	0.0	22.6	8.9	0.0	5.6
<i>Amelanchier x grandiflora</i>	11.1	10.7	22.6	22.2	5.4	5.6
<i>Amelanchier laevis</i>	18.4	32.1	29.0	33.3	10.8	0.0
<i>Betula nigra</i>	52.4	28.6	75.8	62.2	62.2	33.3
<i>Betula nigra</i> 'Heritage'	11.8	0.0	12.9	11.1	16.2	16.7
<i>Betula platyphylla japonica</i>	12.0	7.1	27.4	15.6	5.4	11.1
<i>Betula platyphylla szechuanica</i>	8.9	7.1	25.8	20.0	2.7	0.0
<i>Carpinus betulus</i>	13.2	28.6	4.8	2.2	8.1	16.7
<i>Carpinus betulus</i> 'Fastigiata'	17.7	28.6	16.1	22.2	5.4	27.8
<i>Carpinus betulus</i> 'Pyramid'	4.0	3.6	6.5	0.0	5.4	0.0
<i>Castanea mollissima</i>	10.2	14.3	17.7	11.1	8.1	0.0

(continued on page 15)

Table 14. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Celtis laevigata</i>	2.0	0.0	4.8	2.2	2.7	0.0
<i>Celtis occidentalis</i>	21.6	10.7	43.5	13.3	21.6	11.1
<i>Cercidiphyllum japonicum</i>	9.9	17.9	11.3	15.6	5.4	5.6
<i>Cercis canadensis</i>	56.7	46.4	72.6	66.7	64.9	33.3
<i>Cornus florida</i>	60.5	67.9	45.2	62.2	64.9	61.1
<i>Cornus kousa</i>	37.1	46.4	32.3	48.9	40.5	22.2
<i>Cornus mas</i>	21.7	28.6	41.9	35.6	8.1	11.1
<i>Cornus officinalis</i>	4.2	7.1	3.2	2.2	5.4	0.0
<i>Corylus colurna</i>	5.5	0.0	14.5	8.9	2.7	5.6
<i>Crataegus intricata</i>	2.4	3.6	3.2	0.0	2.7	0.0
<i>Crataegus laevigata</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Crataegus laevigata</i> 'Crimson Cloud'	16.2	25.0	19.4	20.0	10.8	11.1
<i>Crataegus laevigata</i> 'Pauli'	6.8	10.7	6.5	2.2	2.7	11.1
<i>Crataegus x lavalleyi</i>	15.0	21.4	14.5	24.4	2.7	27.8
<i>Crataegus mollis</i>	8.5	17.9	12.9	0.0	5.4	0.0
<i>Crataegus nitida</i>	0.3	0.0	1.6	0.0	0.0	0.0
<i>Crataegus phaenopyrum</i>	27.8	32.1	45.2	37.8	21.6	11.1
<i>Crataegus prunifolia</i>	2.4	0.0	6.5	2.2	2.7	0.0
<i>Crataegus punctata</i>	3.0	3.6	9.7	2.2	0.0	0.0
<i>Crataegus punctata</i> 'Ohio Pioneer'	2.1	3.6	4.8	6.7	0.0	0.0
<i>Crataegus viridis</i> 'Winter King'	15.8	3.6	37.1	48.9	8.1	11.1
<i>Elaeagnus angustifolia</i>	38.5	21.4	56.5	37.8	35.1	44.4
<i>Eucommia ulmoides</i>	2.1	3.6	4.8	6.7	0.0	0.0
<i>Euonymus bungeana</i>	2.3	0.0	6.5	0.0	2.7	0.0
<i>Fagus sylvatica</i>	19.6	28.6	12.9	22.2	16.2	22.2
<i>Fagus sylvatica</i> 'Dawyck'	7.5	10.7	4.8	4.4	5.4	11.1
<i>Fraxinus americana</i>	22.5	21.4	35.5	17.8	18.9	16.7
<i>Fraxinus americana</i> 'Autumn Purple'	30.1	39.3	56.5	55.6	8.1	22.2
<i>Fraxinus americana</i> 'Rosehill'	18.9	28.6	27.4	20.0	8.1	16.7
<i>Fraxinus excelsior</i> 'Hessei'	4.2	0.0	11.3	17.8	2.7	0.0
<i>Fraxinus holotricha</i> 'Moraine'	2.8	3.6	0.0	2.2	2.7	5.6
<i>Fraxinus pennsylvanica</i>	36.7	42.9	40.3	26.7	24.3	50.0
<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	50.2	64.3	80.6	53.3	24.3	44.4
<i>Fraxinus pennsylvanica</i> 'Summit'	37.1	46.4	77.4	35.6	10.8	27.8
<i>Fraxinus tomentosa</i>	1.4	0.0	1.6	2.2	2.7	0.0
<i>Ginkgo biloba</i>	36.9	57.1	50.0	31.1	24.3	22.2
<i>Ginkgo biloba</i> 'Autumn Gold'	10.2	7.1	12.9	2.2	8.1	16.7
<i>Ginkgo biloba</i> 'Lakeview'	1.0	0.0	0.0	2.2	2.7	0.0
<i>Ginkgo biloba</i> 'Sinclair'	1.8	3.6	0.0	2.2	2.7	0.0
<i>Gleditsia triacanthos inermis</i>	44.2	39.3	38.7	28.9	40.5	6.7
<i>Gleditsia triacanthos</i> 'Imperial'	31.5	46.4	41.9	37.8	16.2	27.8
<i>Gleditsia triacanthos</i> 'Moraine'	12.3	3.6	22.6	15.6	5.4	22.2
<i>Gleditsia triacanthos</i> 'Shademaster'	48.5	71.4	53.2	48.9	29.7	50.0
<i>Gleditsia triacanthos</i> 'Skyline'	42.1	57.1	69.4	64.4	13.5	38.9
<i>Gleditsia triacanthos</i> 'Sunburst'	45.5	67.9	66.1	62.2	18.9	38.9
<i>Gymnocladus dioica</i>	16.3	10.7	40.3	11.1	8.1	11.1
<i>Halesia carolina</i>	6.8	7.1	11.3	2.2	8.1	0.0
<i>Ilex x attenuata</i> 'Fosteri'	20.2	0.0	9.7	0.0	54.1	0.0
<i>Koeleruteria paniculata</i>	33.3	28.6	17.7	20.0	51.4	27.8
<i>Liquidambar styraciflua</i>	44.4	32.1	33.9	60.0	56.8	44.4
<i>Liquidambar styraciflua</i> 'Festival'	1.0	0.0	0.0	0.0	0.0	5.6
<i>Liquidambar styraciflua</i> 'Moraine'	0.1	0.0	0.0	2.2	0.0	0.0
<i>Liriodendron tulipifera</i>	38.5	28.6	24.2	37.8	54.1	38.9
<i>Maclura pomifera</i>	3.3	0.0	6.5	2.2	5.4	0.0
<i>Magnolia grandiflora</i>	26.6	7.1	4.8	0.0	59.5	22.2

(continued on page 16)

Table 14. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Magnolia x soulangeana</i>	48.7	46.4	50.0	53.3	54.1	38.9
<i>Magnolia stellata</i>	33.6	35.7	48.4	48.9	27.0	22.2
<i>Malus x 'Radiant'</i>	57.1	85.7	75.8	71.1	37.8	33.3
<i>Malus x 'Red Jewel'</i>	6.0	3.6	14.5	22.2	0.0	5.6
<i>Malus x 'Royal Ruby'</i>	13.0	14.3	29.0	40.0	5.4	0.0
<i>Malus x 'Royalty'</i>	48.3	60.7	79.0	77.8	21.6	38.9
<i>Malus x 'Snowdrift'</i>	50.7	75.0	72.6	73.3	24.3	38.9
<i>Malus x 'White Angel'</i>	13.5	17.9	24.2	33.3	5.4	5.6
<i>Malus x 'White Candle'</i>	9.2	3.6	22.6	13.3	2.7	11.1
<i>Malus sieboldi zumi 'Calocarpa'</i>	35.0	50.0	56.5	57.8	21.6	11.1
<i>Malus spectabilis 'Van Eseltine'</i>	19.7	21.4	41.9	48.9	8.1	5.6
<i>Malus tschonoski</i>	6.4	3.6	19.4	8.9	0.0	5.6
<i>Metasequoia glyptostroboides</i>	16.8	32.1	16.1	15.6	13.5	5.6
<i>Morus alba</i>	7.4	0.0	11.3	0.0	2.7	22.2
<i>Morus alba sterile</i>	6.5	0.0	3.2	0.0	8.1	16.7
<i>Morus rubra</i>	0.3	0.0	1.6	0.0	0.0	0.0
<i>Nyssa sylvatica</i>	19.5	21.4	16.1	24.4	24.3	11.1
<i>Ostrya virginiana</i>	9.6	10.7	24.2	6.7	5.4	0.0
<i>Phellodendron amurense</i>	14.0	28.6	25.8	8.9	5.4	0.0
<i>Pistachia chinensis</i>	6.8	0.0	0.0	0.0	8.1	22.2
<i>Platanus x acerifolia</i>	17.6	25.0	12.9	15.6	13.5	22.2
<i>Platanus x acerifolia 'Bloodgood'</i>	34.8	50.0	33.9	46.7	21.6	38.9
<i>Prunus x blireiana</i>	15.4	17.9	11.3	2.2	5.4	38.9
<i>Prunus sargentii</i>	11.3	28.6	8.1	11.1	5.4	5.6
<i>Prunus sargentii 'Columnaris'</i>	5.1	10.7	6.5	6.7	0.0	5.6
<i>Prunus serrulata 'Kwansan'</i>	50.3	75.0	27.4	55.6	51.4	44.4
<i>Pyrus calleryana</i>	19.7	17.9	8.1	15.6	24.3	27.8
<i>Pyrus calleryana 'Aristocrat'</i>	18.8	10.7	19.4	28.9	29.7	5.6
<i>Pyrus calleryana 'Bradford'</i>	64.3	67.9	69.4	60.0	70.3	44.4
<i>Pyrus calleryana 'Chanticleer'</i>	4.5	3.6	11.3	6.7	0.0	5.6
<i>Pyrus calleryana 'Faurieri'</i>	1.7	0.0	6.5	6.7	0.0	0.0
<i>Pyrus calleryana 'Rancho'</i>	1.5	3.6	3.2	0.0	0.0	0.0
<i>Pyrus calleryana 'Select'</i>	1.4	0.0	1.6	2.2	2.7	0.0
<i>Quercus alba</i>	17.2	21.4	22.6	8.9	21.6	0.0
<i>Quercus bicolor</i>	10.4	7.1	17.7	6.7	8.1	11.1
<i>Quercus coccinea</i>	27.0	35.7	21.0	24.4	18.9	38.9
<i>Quercus imbricaria</i>	6.7	17.9	6.5	11.1	2.7	0.0
<i>Quercus macrocarpa</i>	13.1	21.4	25.8	4.4	8.1	0.0
<i>Quercus nigra</i>	10.7	7.1	0.0	0.0	24.3	5.6
<i>Quercus palustris</i>	68.6	82.1	82.3	60.0	59.5	55.6
<i>Quercus phellos</i>	21.8	17.9	3.2	0.0	51.4	0.0
<i>Quercus robur</i>	13.5	21.4	21.0	13.3	8.1	5.6
<i>Quercus robur 'Fastigiata'</i>	18.1	28.6	22.6	22.2	5.4	22.2
<i>Quercus rubra</i>	40.7	60.7	51.6	44.4	24.3	33.3
<i>Quercus shumardi</i>	14.0	7.1	8.1	11.1	24.3	11.1
<i>Quercus virginiana</i>	13.8	0.0	0.0	0.0	35.1	11.1
<i>Robinia x ambigua decausneana</i>	1.4	0.0	1.6	0.0	0.0	5.6
<i>Robinia pseudoacacia</i>	5.1	3.6	6.5	2.2	5.4	5.6
<i>Sorbus aucuparia</i>	43.0	53.6	61.3	51.1	16.2	55.6
<i>Sorbus aucuparia 'Cardinal'</i>	8.4	14.3	12.9	13.3	2.7	5.6
<i>Sorbus x thuringiaca</i>	1.0	0.0	0.0	2.2	2.7	0.0
<i>Sorbus x thuringiaca 'Oak Leaf'</i>	3.0	0.0	4.8	0.0	2.7	5.6
<i>Sorbus tianshanica</i>	1.9	3.6	4.8	2.2	0.0	0.0
<i>Syringa reticulata</i>	3.7	0.0	11.3	8.9	2.7	0.0
<i>Taxodium distichum</i>	26.6	21.4	43.5	17.8	35.1	0.0

(continued on page 17)

Table 14. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Tilia americana</i>	18.2	28.6	32.3	6.7	8.1	11.1
<i>Tilia americana</i> 'Fastigiata'	0.3	0.0	1.6	0.0	0.0	0.0
<i>Tilia americana</i> 'Redmond'	26.0	7.1	62.9	24.4	10.8	33.3
<i>Tilia cordata</i>	40.5	50.0	53.2	35.6	21.6	50.0
<i>Tilia cordata</i> 'Chancellor'	3.4	7.1	6.5	8.9	0.0	0.0
<i>Tilia cordata</i> 'Greenspire'	55.2	85.7	75.8	62.2	27.0	44.4
<i>Tilia cordata</i> 'Rancho'	2.2	3.6	1.6	0.0	0.0	5.6
<i>Tilia</i> x <i>euchlora</i>	8.3	14.3	8.1	11.1	2.7	11.1
<i>Tilia</i> x <i>euchlora</i> 'Pallida'	0.5	0.0	1.6	2.2	0.0	0.0
<i>Tilia</i> x <i>europaea</i>	1.9	7.1	1.6	0.0	0.0	0.0
<i>Tilia</i> x <i>europaea</i> 'Pallida'	0.1	0.0	0.0	2.2	0.0	0.0
<i>Tilia mongolica</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia platyphyllos</i> 'Orebro'	0.3	0.0	1.6	0.0	0.0	0.0
<i>Tilia platyphyllos</i> 'Fastigiata'	0.1	0.0	0.0	2.2	0.0	0.0
<i>Tilia tomentosa</i>	4.7	10.7	6.5	2.2	2.7	0.0
<i>Ulmus</i> x 'Urban Elm'	0.1	0.0	0.0	2.2	0.0	0.0
<i>Ulmus americana</i>	6.2	7.1	3.2	2.2	5.4	11.1
<i>Ulmus parvifolia</i>	10.6	0.0	8.1	6.7	16.2	16.7
<i>Zelkova serrata</i>	20.3	28.6	9.7	11.1	18.9	27.8
<i>Zelkova serrata</i> 'Village Green'	14.2	25.0	4.8	26.7	16.2	5.6

Table 15.—National ranking and rating of top 40 taxon in 1980 (number of respondents = 237)

Rank	Taxon	Rating
1	<i>Acer saccharum</i>	71.8
2	<i>Acer rubrum</i>	71.6
3	<i>Malus</i> x 'Radiant'	67.8
4	<i>Cercis canadensis</i>	65.0
5	<i>Pyrus calleryana</i> 'Bradford'	62.9
6	<i>Acer platanoides</i>	61.5
7	<i>Prunus serrulata</i> 'Kwansan'	61.3
8	<i>Acer platanoides</i> 'Crimson King'	59.4
9	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	57.7
10	<i>Acer saccharinum</i>	56.4
11	<i>Malus</i> x 'Royalty'	55.9
12	<i>Betula nigra</i>	55.8
13	<i>Liquidambar styraciflua</i>	54.7
14	<i>Gleditsia triacanthos</i> 'Shademaster'	54.5
15	<i>Tilia cordata</i> 'Greenspire'	52.5
16	<i>Acer ginnala</i>	50.5
17	<i>Gleditsia triacanthos</i> 'Sunburst'	49.1
18	<i>Acer rubrum</i> 'Red Sunset'	48.9
19	<i>Sorbus aucuparia</i>	48.2
20	<i>Elaeagnus angustifolia</i>	48.1
21	<i>Acer platanoides</i> 'Emerald Queen'	47.3
22	<i>Ginkgo biloba</i>	47.2
23	<i>Gleditsia triacanthos</i> 'Skyline'	46.6
24	<i>Tilia cordata</i>	46.5
25	<i>Acer rubrum</i> 'October Glory'	45.8
26	<i>Koeleruteria paniculata</i>	41.8
27	<i>Malus sieboldi</i> zumi 'Calocarpa'	40.7
28	<i>Fraxinus pennsylvanica</i>	40.4
29	<i>Acer platanoides</i> 'Columnare'	39.0
30	<i>Malus</i> x 'Snowdrift'	37.1
31	<i>Acer saccharum</i> 'Green Mountain'	36.4
32	<i>Gleditsia triacanthos inermis</i>	35.6
33	<i>Fraxinus americana</i>	34.3
34	<i>Crataegus phaenopyrum</i> 'Tree Form'	31.9
35	<i>Acer platanoides</i> 'Royal Red'	31.6
36	<i>Fraxinus pennsylvanica</i> 'Summit'	30.7
37	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	30.4
38	<i>Acer rubrum</i> 'Armstrong'	30.0
39	<i>Platanus</i> x <i>acerifolia</i>	29.6
40	<i>Fraxinus americana</i> 'Autumn Purple'	28.3

Table 16.—Ranking and rating of top 42 taxon in the Northeast region in 1980 (number of respondents = 26)

Rank	Taxon	Rating
1	<i>Acer platanoides</i> 'Crimson King'	84.6
1	<i>Prunus serrulata</i> 'Kwansan'	84.6
3	<i>Acer rubrum</i>	80.8
4	<i>Acer platanoides</i> 'Emerald Queen'	76.9
4	<i>Acer saccharum</i>	76.9
4	<i>Gleditsia triacanthos</i> 'Shademaster'	76.9
4	<i>Gleditsia triacanthos</i> 'Skyline'	76.9
4	<i>Malus</i> x 'Radiant'	76.9
4	<i>Tilia cordata</i> 'Greenspire'	76.9
10	<i>Acer platanoides</i>	73.1
11	<i>Malus</i> x 'Royalty'	69.2
12	<i>Acer rubrum</i> 'Red Sunset'	61.5
12	<i>Malus sieboldi</i> zumi 'Calocarpa'	61.5
12	<i>Pyrus calleryana</i> 'Bradford'	61.5
12	<i>Sorbus aucuparia</i>	61.5
16	<i>Acer rubrum</i> 'October Glory'	57.7
16	<i>Acer saccharum</i> 'Green Mountain'	57.7
16	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	57.7
16	<i>Gleditsia triacanthos</i> 'Sunburst'	57.7
20	<i>Ginkgo biloba</i>	53.8
21	<i>Acer platanoides</i> 'Columnare'	50.0
21	<i>Cercis canadensis</i>	50.0
21	<i>Malus</i> x 'Snowdrift'	50.0
21	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	50.0
25	<i>Acer platanoides</i> 'Summershade'	46.2
25	<i>Acer rubrum</i> 'Armstrong'	46.2
25	<i>Crataegus</i> x <i>lavalleyi</i>	46.2
25	<i>Crataegus phaenopyrum</i> 'Tree Form'	46.2
25	<i>Fraxinus americana</i>	46.2
25	<i>Zelkova serrata</i> 'Village Green'	46.2
31	<i>Liquidambar styraciflua</i>	42.3
31	<i>Quercus robur</i> 'Fastigiata'	42.3
31	<i>Tilia cordata</i>	42.3
34	<i>Cercidiphyllum japonicum</i>	38.5
34	<i>Fraxinus pennsylvanica</i>	38.5
34	<i>Fraxinus pennsylvanica</i> 'Summit'	38.5
34	<i>Gleditsia triacanthos inermis</i>	38.5
34	<i>Quercus robur</i>	38.5
39	<i>Acer platanoides</i> 'Royal Red'	34.6
39	<i>Carpinus betulus</i>	34.6
39	<i>Carpinus betulus</i> 'Fastigiata'	34.6
39	<i>Prunus sargentii</i>	34.6

Table 17.—Ranking and rating of top 40 taxon for the North Central region in 1980 (number of respondents = 58)

Rank	Taxon	Rating
1	<i>Acer ginnala</i>	82.8
2	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	79.3
2	<i>Malus</i> x 'Radiant'	79.3
4	<i>Betula nigra</i>	77.6
4	<i>Malus</i> x 'Royalty'	77.6
6	<i>Acer platanoides</i> 'Crimson King'	75.9
6	<i>Acer saccharinum</i>	75.9
6	<i>Cercis canadensis</i>	75.9
9	<i>Acer saccharum</i>	74.1
10	<i>Elaeagnus angustifolia</i>	72.4
11	<i>Acer rubrum</i>	69.0
11	<i>Gleditsia triacanthos</i> 'Sunburst'	69.0
11	<i>Tilia cordata</i> 'Greenspire'	69.0
14	<i>Acer platanoides</i>	65.5
14	<i>Gleditsia triacanthos</i> 'Shademaster'	65.5
14	<i>Tilia cordata</i>	65.5
17	<i>Acer rubrum</i> 'Red Sunset'	63.8
18	<i>Gleditsia triacanthos</i> 'Skyline'	62.1
19	<i>Acer platanoides</i> 'Emerald Queen'	60.3
19	<i>Malus</i> x 'Snowdrift'	60.3
21	<i>Pyrus calleryana</i> 'Bradford'	58.6
21	<i>Sorbus aucuparia</i>	58.6
23	<i>Fraxinus americana</i> 'Autumn Purple'	56.9
23	<i>Fraxinus pennsylvanica</i> 'Summit'	56.9
23	<i>Tilia americana</i> 'Redmond'	56.9
26	<i>Acer platanoides</i> 'Columnare'	55.2
26	<i>Malus sieboldi</i> zumi 'Calocarpa'	55.2
28	<i>Celtis occidentalis</i>	53.4
29	<i>Fraxinus pennsylvanica</i>	50.0
30	<i>Acer saccharum</i> 'Green Mountain'	46.6
31	<i>Ginkgo biloba</i>	44.8
31	<i>Gleditsia triacanthos</i> 'Imperial'	44.8
33	<i>Acer rubrum</i> 'October Glory'	43.1
34	<i>Crataegus phaenopyrum</i> 'Tree Form'	41.4
35	<i>Gymnocladus dioica</i>	39.7
36	<i>Fraxinus americana</i>	37.9
37	<i>Liquidambar styraciflua</i>	36.2
38	<i>Acer platanoides</i> 'Royal Red'	34.5
38	<i>Crataegus viridis</i> 'Winter King'	34.5
38	<i>Tilia americana</i>	34.5

Table 18.—Ranking and rating of top 41 taxon for the Ohio region in 1980 (number of respondents = 102)

Rank	Taxon	Rating
1	<i>Malus</i> x 'Royalty'	85.3
2	<i>Acer platanoides</i> 'Crimson King'	83.3
3	<i>Malus</i> x 'Radiant'	77.5
4	<i>Acer rubrum</i> 'Red Sunset'	73.5
5	<i>Pyrus calleryana</i> 'Bradford'	72.5
6	<i>Tilia cordata</i> 'Greenspire'	69.6
7	<i>Acer saccharum</i>	67.6
7	<i>Betula nigra</i>	67.6
7	<i>Liquidambar styraciflua</i>	67.6
10	<i>Cercis canadensis</i>	66.7
10	<i>Malus</i> x 'Snowdrift'	66.7
12	<i>Gleditsia triacanthos</i> 'Sunburst'	63.7
13	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	61.8
13	<i>Gleditsia triacanthos</i> 'Skyline'	61.8
15	<i>Malus sieboldi</i> zumi 'Calocarpa'	60.8
15	<i>Prunus serrulata</i> 'Kwansan'	60.8
17	<i>Acer rubrum</i>	58.8
17	<i>Gleditsia triacanthos</i> 'Shademaster'	58.8
19	<i>Acer platanoides</i>	56.9
20	<i>Crataegus viridis</i> 'Winter King'	54.9
21	<i>Acer platanoides</i> 'Emerald Queen'	52.0
21	<i>Acer rubrum</i> 'October Glory'	52.0
21	<i>Crataegus phaenopyrum</i> 'Tree Form'	52.0
24	<i>Tilia cordata</i>	49.0
25	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	47.1
25	<i>Sorbus aucuparia</i>	47.1
27	<i>Fraxinus americana</i> 'Autumn Purple'	46.1
28	<i>Crataegus</i> x <i>lavalleyi</i>	44.1
28	<i>Malus</i> x 'White Angel'	44.1
30	<i>Malus spectabilis</i> 'Van Eseltine'	43.1
31	<i>Acer ginnala</i>	40.2
32	<i>Elaeagnus angustifolia</i>	39.2
32	<i>Ginkgo biloba</i>	39.2
34	<i>Acer saccharum</i> 'Green Mountain'	37.3
35	<i>Acer rubrum</i> 'Autumn Flame'	36.3
35	<i>Amelancier laevis</i>	36.3
37	<i>Acer saccharinum</i>	35.3
38	<i>Gleditsia triacanthos</i> 'Imperial'	34.3
38	<i>Malus</i> x 'Royal Ruby'	34.3
40	<i>Acer platanoides</i> 'Summershade'	32.4
40	<i>Carpinus betulus</i> 'Fastigiata'	32.4

Table 19.—Ranking and rating of top 42 taxon for the South region in 1980 (number of respondents = 27)

Rank	Taxon	Rating
1	<i>Cercis canadensis</i>	85.2
2	<i>Pyrus calleryana</i> 'Bradford'	81.5
3	<i>Liquidambar styraciflua</i>	77.8
4	<i>Acer rubrum</i>	74.1
4	<i>Prunus serrulata</i> 'Kwansan'	74.1
6	<i>Acer saccharum</i>	70.4
6	<i>Koelreuteria paniculata</i>	70.4
8	<i>Betula nigra</i>	66.7
9	<i>Acer saccharinum</i>	63.0
9	<i>Malus</i> x 'Radiant'	63.0
11	<i>Elaeagnus angustifolia</i>	55.6
11	<i>Ginkgo biloba</i>	55.6
13	<i>Acer rubrum</i> 'October Glory'	48.1
14	<i>Acer ginnala</i>	44.4
14	<i>Acer platanoides</i>	44.4
16	<i>Acer rubrum</i> 'Red Sunset'	40.7
16	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	40.7
18	<i>Fraxinus americana</i>	37.0
18	<i>Gleditsia triacanthos inermis</i>	37.0
18	<i>Gleditsia triacanthos</i> 'Shademaster'	37.0
18	<i>Malus</i> x 'Royalty'	37.0
18	<i>Nyssa sylvatica</i>	37.0
18	<i>Tilia cordata</i>	37.0
24	<i>Fraxinus pennsylvanica</i>	33.3
24	<i>Pyrus calleryana</i>	33.3
26	<i>Acer platanoides</i> 'Crimson King'	29.6
26	<i>Pyrus calleryana</i> 'Aristocrat'	29.6
26	<i>Quercus shumardi</i>	29.6
26	<i>Sorbus aucuparia</i>	29.6
26	<i>Tilia cordata</i> 'Greenspire'	29.6
31	<i>Acer platanoides</i> 'Royal Red'	25.9
31	<i>Gleditsia triacanthos</i> 'Sunburst'	25.9
31	<i>Malus sieboldi</i> zumi 'Calocarpa'	25.9
31	<i>Platanus</i> x <i>acerifolia</i>	25.9
35	<i>Acer platanoides</i> 'Columnare'	22.2
35	<i>Acer platanoides</i> 'Emerald Queen'	22.2
35	<i>Acer saccharum</i> 'Green Mountain'	22.2
35	<i>Celtis occidentalis</i>	22.2
35	<i>Crataegus phaenopyrum</i> 'Tree Form'	22.2
35	<i>Gleditsia triacanthos</i> 'Skyline'	22.2
35	<i>Gymnocladus dioica</i>	22.2
35	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	22.2

Table 20.—Ranking and rating of top 45 taxon for the West region in 1980 (number of respondents = 24)

Rank	Taxon	Rating
1	<i>Acer platanoides</i>	75.0
2	<i>Acer saccharinum</i>	66.7
2	<i>Acer saccharum</i>	66.7
4	<i>Acer rubrum</i>	62.5
4	<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	62.5
6	<i>Acer platanoides</i> 'Crimson King'	58.3
7	<i>Gleditsia triacanthos</i> 'Sunburst'	54.2
7	<i>Sorbus aucuparia</i>	54.2
9	<i>Acer ginnala</i>	50.0
9	<i>Fraxinus pennsylvanica</i>	50.0
9	<i>Malus</i> x 'Radiant'	50.0
9	<i>Prunus serrulata</i> 'Kwansan'	50.0
13	<i>Gleditsia triacanthos</i> 'Moraine'	45.8
13	<i>Gleditsia triacanthos</i> 'Shademaster'	45.8
13	<i>Liquidambar styraciflua</i>	45.8
13	<i>Platanus</i> x <i>acerifolia</i>	45.8
13	<i>Tilia cordata</i>	45.8
18	<i>Acer platanoides</i> 'Columnare'	41.7
18	<i>Acer platanoides</i> 'Emerald Queen'	41.7
18	<i>Crataegus</i> x <i>lavallei</i>	41.7
18	<i>Malus</i> x 'Royalty'	41.7
18	<i>Tilia cordata</i> 'Greenspire'	41.7
18	<i>Zelkova serrata</i>	41.7
24	<i>Acer platanoides</i> 'Royal Red'	37.5
24	<i>Acer rubrum</i> 'Armstrong'	37.5
24	<i>Betula nigra</i>	37.5
24	<i>Fraxinus pennsylvanica</i> 'Summit'	37.5
24	<i>Gleditsia triacanthos inermis</i>	37.5
24	<i>Prunus</i> x <i>blireiana</i>	37.5
30	<i>Cercis canadensis</i>	33.3
30	<i>Crataegus laevigata</i> 'Pauli'	33.3
30	<i>Gleditsia triacanthos</i> 'Skyline'	33.3
30	<i>Koelreuteria paniculata</i>	33.3
30	<i>Pyrus calleryana</i> 'Bradford'	33.3
35	<i>Acer rubrum</i> 'October Glory'	29.2
35	<i>Elaeagnus angustifolia</i>	29.2
35	<i>Ginkgo biloba</i>	29.2
35	<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	29.2
39	<i>Acer campestre</i>	25.0
39	<i>Acer rubrum</i> 'Red Sunset'	25.0
39	<i>Acer rubrum</i> 'Schlesinger'	25.0
39	<i>Acer saccharum</i> 'Green Mountain'	25.0
39	<i>Gleditsia triacanthos</i> 'Imperial'	25.0
39	<i>Pyrus calleryana</i>	25.0
39	<i>Tilia americana</i> 'Redmond'	25.0

Table 21.—Summary of ratings for all taxon in 1980 for the Nation (US), Northeast (NE), North Central (NC), Ohio, South (SO), and West regions

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Acer buergerianum</i>	3.3	3.8	1.7	2.0	13.7	4.2
<i>Acer campestre</i>	19.2	23.1	17.2	18.6	14.8	25.0
<i>Acer</i> x <i>freemanii</i> 'Autumn Blaze'	1.7	0.0	1.7	2.9	3.7	0.0
<i>Acer ginnala</i>	50.5	30.8	82.8	40.2	44.4	50.0
<i>Acer nigrum</i>	2.9	7.7	5.2	2.9	0.0	0.0
<i>Acer platanoides</i>	61.5	73.1	65.5	56.9	44.4	75.0
<i>Acer platanoides</i> 'Almira'	0.0	0.0	0.0	1.0	0.0	0.0
<i>Acer platanoides</i> 'Cleveland'	12.5	15.4	20.7	18.6	0.0	20.8
<i>Acer platanoides</i> 'Columnare'	39.0	50.0	55.2	24.5	22.2	41.7
<i>Acer platanoides</i> 'Crimson King'	59.4	84.6	75.9	83.3	29.6	58.3
<i>Acer platanoides</i> 'Emerald Queen'	47.3	76.9	60.3	52.0	22.2	41.7
<i>Acer platanoides</i> 'Globosum'	4.8	7.7	3.4	1.0	0.0	12.5
<i>Acer platanoides</i> 'Greenlace'	3.2	3.8	6.9	2.9	0.0	4.2
<i>Acer platanoides</i> 'Jade Glen'	12.0	26.9	24.1	19.6	0.0	0.0
<i>Acer platanoides</i> 'Olmsted'	0.8	3.8	0.0	0.0	0.0	0.0
<i>Acer platanoides</i> 'Royal Red'	31.6	34.6	34.5	22.5	25.9	37.5
<i>Acer platanoides</i> 'Summershade'	25.3	46.2	24.1	32.4	18.5	12.5
<i>Acer platanoides</i> 'Superform'	12.8	19.2	29.3	15.7	0.0	8.3
<i>Acer pseudoplatanus</i>	12.0	26.9	3.4	4.9	3.7	20.8
<i>Acer rubrum</i>	71.6	80.8	69.0	58.8	74.1	62.5
<i>Acer rubrum</i> 'Armstrong'	30.0	46.2	31.0	29.4	14.8	37.5
<i>Acer rubrum</i> 'Autumn Flame'	15.3	19.2	31.0	36.3	3.7	8.3
<i>Acer rubrum</i> 'Autumn Glory'	6.6	11.5	6.9	22.5	0.0	8.3
<i>Acer rubrum</i> 'Bowhall'	7.7	19.2	6.9	9.8	0.0	8.3
<i>Acer rubrum</i> 'Columnare'	13.6	23.1	13.8	16.7	7.4	12.5
<i>Acer rubrum</i> 'Doric'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Acer rubrum</i> 'Gerling'	0.9	3.8	0.0	1.0	0.0	0.0
<i>Acer rubrum</i> 'October Glory'	45.8	57.7	43.1	52.0	48.1	29.2
<i>Acer rubrum</i> 'Red Sunset'	48.9	61.5	63.8	73.5	40.7	25.0
<i>Acer rubrum</i> 'Scanlon'	1.2	0.0	1.7	1.0	0.0	4.2
<i>Acer rubrum</i> 'Schlesinger'	11.9	15.4	10.3	8.8	3.7	25.0
<i>Acer rubrum</i> 'Tilford'	1.9	3.8	0.0	5.9	0.0	4.2
<i>Acer saccharinum</i>	56.4	23.1	75.9	35.3	63.0	66.7
<i>Acer saccharum</i>	71.8	76.9	74.1	67.6	70.4	66.7
<i>Acer saccharum</i> 'Columnare'	9.9	23.1	8.6	4.9	3.7	8.3
<i>Acer saccharum</i> 'Globosum'	0.8	0.0	0.0	0.0	0.0	4.2
<i>Acer saccharum</i> 'Green Mountain'	36.4	57.7	46.6	37.3	22.2	25.0
<i>Acer saccharum</i> 'Sweet Shadow'	3.8	7.7	3.4	2.9	3.7	0.0
<i>Acer saccharum</i> 'Temple's Upright'	1.3	3.8	1.7	2.0	0.0	0.0
<i>Amelanchier</i> x <i>grandiflora</i>	14.7	23.1	20.7	31.4	11.1	0.0
<i>Amelancier laevis</i>	12.1	30.8	17.2	36.3	0.0	0.0
<i>Betula nigra</i>	55.8	30.8	77.6	67.6	66.7	37.5
<i>Betula platyphylla japonica</i>	7.2	7.7	13.8	12.7	3.7	4.2
<i>Betula platyphylla szechuanica</i>	7.3	11.5	19.0	14.7	0.0	0.0
<i>Carpinus betulus</i>	12.6	34.6	10.3	11.8	0.0	12.5
<i>Carpinus betulus</i> 'Fastigiata'	14.5	34.6	8.6	32.4	3.7	12.5
<i>Carpinus betulus</i> 'Pyramid'	2.9	3.8	3.4	2.0	3.7	0.0
<i>Celtis occidentalis</i>	24.0	1.5	53.4	6.9	2.2	12.5
<i>Cercidiphyllum japonicum</i>	14.0	38.5	8.6	19.6	3.7	8.3
<i>Cercis canadensis</i>	65.0	50.0	75.9	66.7	85.2	33.3
<i>Corylus colurna</i>	8.3	11.5	8.6	13.7	7.4	4.2
<i>Crataegus intricata</i>	1.6	0.0	6.9	2.0	0.0	0.0
<i>Crataegus laevigata</i>	15.7	26.9	17.2	12.7	7.4	16.7
<i>Crataegus laevigata</i> 'Autumn Glory'	5.6	7.7	0.0	2.0	0.0	20.8

(continued on page 22)

Table 21. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Crataegus laevigata</i> 'Pauli'	14.5	23.1	6.9	10.8	3.7	33.3
<i>Crataegus</i> x <i>lavalleyi</i>	24.8	46.2	17.2	44.1	3.7	41.7
<i>Crataegus mollis</i>	5.3	7.7	10.3	2.9	3.7	0.0
<i>Crataegus nitida</i>	0.4	0.0	1.7	0.0	0.0	0.0
<i>Crataegus phaenopyrum</i> 'Tree Form'	31.9	46.2	41.4	52.0	22.2	16.7
<i>Crataegus prunifolia</i>	1.5	0.0	6.9	1.0	0.0	0.0
<i>Crataegus punctata</i>	3.5	3.8	12.1	1.0	0.0	0.0
<i>Crataegus punctata</i> 'Ohio Pioneer'	1.3	3.8	0.0	8.8	0.0	0.0
<i>Crataegus viridis</i> 'Winter King'	19.9	15.4	34.5	54.9	14.8	8.3
<i>Elaeagnus angustifolia</i>	48.1	30.8	72.4	39.2	55.6	29.2
<i>Eucommia ulmoides</i>	3.8	7.7	1.7	9.8	3.7	0.0
<i>Euonymus bungeana</i>	2.0	0.0	3.4	0.0	3.7	0.0
<i>Fagus sylvatica</i> 'Dawycyk'	8.4	23.1	3.4	6.9	0.0	12.5
<i>Fraxinus americana</i>	34.3	46.2	37.9	12.7	37.0	16.7
<i>Fraxinus americana</i> 'Autumn Purple'	28.3	30.8	56.9	46.1	14.8	12.5
<i>Fraxinus americana</i> 'Hillcrest'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Fraxinus americana</i> 'Rosehill'	18.1	23.1	24.1	23.5	11.1	16.7
<i>Fraxinus excelsior</i> 'Hessei'	5.7	0.0	12.1	12.7	7.4	0.0
<i>Fraxinus excelsior</i> 'Rancho'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Fraxinus holotricha</i> 'Moraine'	3.3	3.8	0.0	2.0	0.0	12.5
<i>Fraxinus pennsylvanica</i>	40.4	38.5	50.0	18.6	39.3	50.0
<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	57.7	57.7	79.3	61.8	40.7	62.5
<i>Fraxinus pennsylvanica</i> 'Summit'	30.7	38.5	56.9	15.7	7.4	37.5
<i>Fraxinus tomentosa</i>	1.7	0.0	1.7	1.0	3.7	0.0
<i>Ginkgo biloba</i>	47.2	53.8	44.8	39.2	55.6	29.2
<i>Ginkgo biloba</i> 'Autumn Gold'	9.9	3.8	12.1	19.6	7.4	16.7
<i>Ginkgo biloba</i> 'Lakeview'	1.3	3.8	1.7	1.0	0.0	0.0
<i>Ginkgo biloba</i> 'Sinclair'	0.9	3.8	0.0	1.0	0.0	0.0
<i>Gleditsia triacanthos inermis</i>	35.6	38.5	32.8	17.6	37.0	37.5
<i>Gleditsia triacanthos</i> 'Imperial'	27.5	30.8	44.8	34.3	14.8	25.0
<i>Gleditsia triacanthos</i> 'Moraine'	25.3	15.4	27.6	28.4	18.5	45.8
<i>Gleditsia triacanthos</i> 'Shademaster'	54.5	76.9	65.5	58.8	37.0	45.8
<i>Gleditsia triacanthos</i> 'Skyline'	46.6	76.9	62.1	61.8	22.2	33.3
<i>Gleditsia triacanthos</i> 'Sunburst'	49.1	57.7	69.0	63.7	25.9	54.2
<i>Gymnocladus dioica</i>	20.9	19.2	39.7	15.7	22.2	0.0
<i>Halesia carolina</i>	9.8	19.2	12.1	10.8	7.4	0.0
<i>Koeleruteria paniculata</i>	41.8	26.9	24.1	21.6	70.4	33.3
<i>Liquidambar styraciflua</i>	54.7	42.3	36.2	67.6	77.8	45.8
<i>Liquidambar styraciflua</i> 'Festival'	0.1	10.0	0.0	2.9	10.0	0.0
<i>Liquidambar styraciflua</i> 'Moraine'	0.1	0.0	0.0	2.0	0.0	0.0
<i>Malus</i> x 'Radiant'	67.8	76.9	79.3	77.5	63.0	50.0
<i>Malus</i> x 'Red Jewel'	7.3	7.7	10.3	19.6	7.4	0.0
<i>Malus</i> x 'Royal Ruby'	12.3	11.5	15.5	34.3	7.4	12.5
<i>Malus</i> x 'Royalty'	55.9	69.2	77.6	85.3	37.0	41.7
<i>Malus</i> x 'Snowdrift'	37.1	50.0	60.3	66.7	18.5	20.8
<i>Malus</i> x 'White Angel'	10.2	3.8	22.4	44.1	7.4	0.0
<i>Malus</i> x 'White Candle'	5.6	0.0	24.1	9.8	0.0	0.0
<i>Malus sieboldi</i> zumi 'Calocarpa'	40.7	61.5	55.2	60.8	25.9	20.8
<i>Malus spectabilis</i> 'Van Eseltine'	22.3	30.8	32.8	43.1	14.8	8.3
<i>Malus tschonoskii</i>	6.6	15.4	13.8	5.9	0.0	0.0
<i>Nyssa sylvatica</i>	25.1	30.8	22.4	24.5	37.0	0.0
<i>Ostrya virginiana</i>	13.1	11.5	24.1	8.8	14.8	0.0
<i>Phellodendron amurense</i>	15.9	19.2	24.1	6.9	18.5	0.0
<i>Platanus</i> x <i>acerifolia</i>	29.6	30.8	20.7	26.5	25.9	45.8
<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	30.4	50.0	20.7	47.1	22.2	29.2

(continued on page 23)

Table 21. (cont.)

Taxon	US	NE	NC	OHIO	SO	WEST
<i>Prunus</i> x <i>blireiana</i>	13.0	15.4	5.2	7.8	3.7	37.5
<i>Prunus sargentii</i>	13.2	34.6	6.9	12.7	3.7	12.5
<i>Prunus sargentii</i> 'Columnaris'	7.6	19.2	8.6	1.0	0.0	8.3
<i>Prunus serrulata</i> 'Kwansan'	61.3	84.6	27.6	60.8	74.1	50.0
<i>Pyrus calleryana</i>	24.0	23.1	10.3	20.6	33.3	25.0
<i>Pyrus calleryana</i> 'Aristocrat'	20.5	19.2	17.2	24.5	29.6	8.3
<i>Pyrus calleryana</i> 'Bradford'	62.9	61.5	58.6	72.5	81.5	33.3
<i>Pyrus calleryana</i> 'Chanticleer'	2.1	3.8	5.2	3.9	0.0	0.0
<i>Pyrus calleryana</i> 'Faurieri'	1.8	0.0	6.9	6.9	0.0	0.0
<i>Pyrus calleryana</i> 'Rancho'	0.4	0.0	1.7	0.0	0.0	0.0
<i>Pyrus calleryana</i> 'Select'	1.0	3.8	0.0	2.9	0.0	0.0
<i>Quercus imbricaria</i>	7.9	15.4	12.1	24.5	0.0	4.2
<i>Quercus palustris</i> 'Sovereign'	12.8	30.8	6.9	19.6	11.1	0.0
<i>Quercus robur</i>	17.9	38.5	25.9	19.6	0.0	16.7
<i>Quercus robur</i> 'Fastigiata'	14.6	42.3	13.8	18.6	0.0	8.3
<i>Quercus shumardi</i>	18.7	19.2	6.9	16.7	29.6	12.5
<i>Sophora japonica</i> 'Regent'	13.2	30.8	12.1	12.7	7.4	4.2
<i>Sorbus aucuparia</i>	48.2	61.5	58.6	47.1	29.6	54.2
<i>Sorbus aucuparia</i> 'Cardinal'	9.6	19.2	19.0	12.7	0.0	4.2
<i>Sorbus aucuparia</i> 'Wilson'	0.8	0.0	0.0	0.0	0.0	4.2
<i>Syringa reticulata</i>	12.7	23.1	25.9	18.6	3.7	0.0
<i>Tilia americana</i>	17.4	15.4	34.5	12.7	11.1	12.5
<i>Tilia americana</i> 'Fastigiata'	0.2	0.0	0.0	3.9	0.0	0.0
<i>Tilia americana</i> 'Redmond'	24.8	26.9	56.9	19.6	3.7	25.0
<i>Tilia cordata</i>	46.5	42.3	65.5	49.0	37.0	45.8
<i>Tilia cordata</i> 'Bicentennial'	0.0	0.0	0.0	1.0	0.0	0.0
<i>Tilia cordata</i> 'Chancellor'	1.8	0.0	6.9	6.9	0.0	0.0
<i>Tilia cordata</i> 'Greenspire'	52.5	76.9	69.0	69.6	29.6	41.7
<i>Tilia cordata</i> 'Rancho'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia</i> x <i>euchlora</i>	14.5	26.9	13.8	12.7	3.7	20.8
<i>Tilia</i> x <i>euchlora</i> 'Pallida'	1.3	13.8	1.7	1.0	10.0	0.0
<i>Tilia</i> x <i>europaea</i>	0.4	0.0	1.7	0.0	0.0	0.0
<i>Tilia</i> x <i>europaea</i> 'Pallida'	0.1	0.0	0.0	2.0	0.0	0.0
<i>Tilia mongolica</i>	0.9	0.0	0.0	2.0	0.0	4.2
<i>Tilia platyphyllos</i> 'Orebro'	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia platyphyllos</i> 'Fastigiata'	0.0	0.0	0.0	1.0	0.0	0.0
<i>Tilia tomentosa</i>	5.4	15.4	6.9	11.8	0.0	0.0
<i>Ulmus</i> x 'Urban Elm'	1.7	0.0	1.7	2.0	3.7	0.0
<i>Zelkova serrata</i>	21.5	30.8	13.8	7.8	11.1	41.7
<i>Zelkova serrata</i> 'Village Green'	19.7	46.2	8.6	17.6	18.5	4.2

Table 22.—National ranking and rating of top 40 species in 1986

Rank	Species	Rating
1	<i>Acer rubrum</i>	79.6
2	<i>Fraxinus pennsylvanica</i>	73.1
3	<i>Pyrus calleryana</i>	71.6
4	<i>Gleditsia triacanthos</i>	70.8
5	<i>Malus</i> spp.	70.2
6	<i>Acer platanoides</i>	68.4
7	<i>Acer saccharum</i>	68.3
8	<i>Quercus palustris</i>	68.1
9	<i>Betula nigra</i>	63.2
10	<i>Tilia cordata</i>	62.9
11	<i>Cercis canadensis</i>	55.6
12	<i>Cornus florida</i>	54.1
13	<i>Acer ginnala</i>	53.8
14	<i>Fraxinus americana</i>	52.3
15	<i>Quercus rubra</i>	49.9
16	<i>Crataegus phaenopyrum</i>	49.0
17	<i>Magnolia</i> x <i>soulangeana</i>	46.8
18	<i>Prunus serrulata</i> 'Kwansan' ^a	46.5
19	<i>Sorbus aucuparia</i>	44.2
20	<i>Liquidambar styraciflua</i>	42.9
21	<i>Acer saccharinum</i>	42.7
22	<i>Platanus</i> x <i>acerifolia</i>	42.4
23	<i>Cornus kousa</i>	39.4
24	<i>Betula platyphylla</i>	37.2
25	<i>Tilia americana</i>	36.1
26	<i>Magnolia stellata</i>	35.9
27	<i>Zelkova serrata</i>	34.6
28	<i>Ginkgo biloba</i>	33.8
29	<i>Koelreuteria paniculata</i>	31.5
30	<i>Liriodendron tulipifera</i>	31.4
31	<i>Celtis occidentalis</i>	30.5
32	<i>Acer palmatum</i>	29.8
33	<i>Elaeagnus angustifolia</i>	28.4
34	<i>Crataegus viridis</i> 'Winter King' ^a	26.6
35	<i>Crataegus laevigata</i>	26.6
36	<i>Quercus coccinea</i>	24.4
37	<i>Magnolia grandiflora</i>	24.3
38	<i>Quercus phellos</i>	24.2
39	<i>Carpinus betulus</i>	23.9
40	<i>Quercus robur</i>	23.5

^aOnly one cultivar of species analyzed.

Table 23.—Ranking and rating of top 40 species for the Northeast region in 1986

Rank	Species	Rating
1	<i>Acer rubrum</i>	80.8
1	<i>Gleditsia triacanthos</i>	80.8
1	<i>Quercus palustris</i>	80.8
4	<i>Acer platanoides</i>	76.9
4	<i>Fraxinus pennsylvanica</i>	76.9
4	<i>Malus</i> spp.	76.9
7	<i>Acer saccharum</i>	73.1
7	<i>Tilia cordata</i>	73.1
9	<i>Pyrus calleryana</i>	69.2
10	<i>Cornus florida</i>	65.4
10	<i>Quercus rubra</i>	65.4
12	<i>Sorbus aucuparia</i>	61.5
13	<i>Crataegus phaenopyrum</i>	53.8
13	<i>Prunus serrulata</i> 'Kwansan' ^a	53.8
15	<i>Cornus kousa</i>	50.0
15	<i>Magnolia</i> x <i>soulangeana</i>	50.0
17	<i>Acer ginnala</i>	46.2
17	<i>Fraxinus americana</i>	46.2
17	<i>Platanus</i> x <i>acerifolia</i>	46.2
17	<i>Zelkova serrata</i>	46.2
21	<i>Amelancier laevis</i>	42.3
21	<i>Betula nigra</i>	42.3
21	<i>Carpinus betulus</i>	42.3
21	<i>Cercis canadensis</i>	42.3
21	<i>Fagus sylvatica</i>	42.3
21	<i>Ginkgo biloba</i>	42.3
27	<i>Cercidiphyllum japonicum</i>	38.5
27	<i>Liquidambar styraciflua</i>	38.5
27	<i>Quercus coccinea</i>	38.5
27	<i>Quercus robur</i>	38.5
31	<i>Acer saccharinum</i>	34.6
31	<i>Betula platyphylla</i>	34.6
31	<i>Cornus mas</i>	34.6
31	<i>Crataegus laevigata</i>	34.6
31	<i>Metasequoia glyptostroboides</i>	34.6
36	<i>Acer palmatum</i>	30.8
36	<i>Koelreuteria paniculata</i>	30.8
36	<i>Magnolia stellata</i>	30.8
36	<i>Nyssa sylvatica</i>	30.8
36	<i>Tilia americana</i>	30.8

^aOnly one cultivar of species analyzed.

Table 24.—Ranking and rating of top 40 species for the North Central region in 1986

Rank	Species	Rating
1	<i>Fraxinus pennsylvanica</i>	97.6
2	<i>Acer rubrum</i>	95.2
3	<i>Betula nigra</i>	90.5
3	<i>Malus</i> spp.	90.5
5	<i>Acer saccharum</i>	88.1
5	<i>Gleditsia triacanthos</i>	88.1
7	<i>Acer ginnala</i>	85.7
7	<i>Acer platanoides</i>	85.7
9	<i>Tilia cordata</i>	83.3
10	<i>Quercus palustris</i>	78.6
11	<i>Cercis canadensis</i>	76.2
11	<i>Fraxinus americana</i>	76.2
13	<i>Pyrus calleryana</i>	73.8
14	<i>Crataegus phaenopyrum</i>	69.0
15	<i>Sorbus aucuparia</i>	64.3
16	<i>Acer saccharinum</i>	61.9
16	<i>Betula platyphylla</i>	61.9
16	<i>Quercus rubra</i>	61.9
16	<i>Tilia americana</i>	61.9
20	<i>Magnolia stellata</i>	54.8
21	<i>Celtis occidentalis</i>	52.4
22	<i>Crataegus crusgalli inermis</i>	50.0
23	<i>Acer campestre</i>	47.6
23	<i>Magnolia</i> x <i>soulangiana</i>	47.6
25	<i>Ginkgo biloba</i>	45.2
26	<i>Cornus florida</i>	40.5
27	<i>Cornus mas</i>	38.1
28	<i>Elaeagnus angustifolia</i>	35.7
28	<i>Taxodium distichum</i>	35.7
30	<i>Crataegus viridis</i> 'Winter King' ^a	33.3
30	<i>Liquidambar styraciflua</i>	33.3
30	<i>Platanus</i> x <i>acerifolia</i>	33.3
30	<i>Quercus bicolor</i>	33.3
34	<i>Alnus glutinosa</i>	31.0
34	<i>Amelancier laevis</i>	31.0
34	<i>Carpinus betulus</i>	31.0
34	<i>Gymnocladus dioicus</i>	31.0
34	<i>Prunus serrulata</i> 'Kwansan' ^a	31.0
39	<i>Acer palmatum</i>	28.6
39	<i>Ostrya virginiana</i>	28.6

^aOnly one cultivar of species analyzed.

Table 25.—Ranking and rating of top 40 species for the Ohio region in 1986

Rank	Species	Rating
1	<i>Gleditsia triacanthos</i>	83.1
2	<i>Malus</i> spp.	81.4
3	<i>Pyrus calleryana</i>	78.0
4	<i>Acer platanoides</i>	74.6
5	<i>Acer rubrum</i>	71.2
6	<i>Fraxinus pennsylvanica</i>	66.1
7	<i>Tilia cordata</i>	62.7
8	<i>Betula nigra</i>	59.3
9	<i>Fraxinus americana</i>	57.6
10	<i>Acer saccharum</i>	55.9
10	<i>Crataegus viridis</i> 'Winter King' ^a	55.9
10	<i>Quercus palustris</i>	55.9
13	<i>Cornus florida</i>	50.8
14	<i>Crataegus phaenopyrum</i>	49.2
14	<i>Liquidambar styraciflua</i>	49.2
14	<i>Quercus rubra</i>	49.2
17	<i>Cercis canadensis</i>	45.8
17	<i>Cornus kousa</i>	45.8
19	<i>Magnolia stellata</i>	44.1
20	<i>Acer ginnala</i>	42.4
20	<i>Platanus</i> x <i>acerifolia</i>	42.4
20	<i>Sorbus aucuparia</i>	42.4
23	<i>Amelancier laevis</i>	40.7
24	<i>Betula platyphylla</i>	37.3
25	<i>Acer saccharinum</i>	35.6
26	<i>Zelkova serrata</i>	33.9
27	<i>Carpinus betulus</i>	32.2
28	<i>Magnolia</i> x <i>soulangiana</i>	30.5
28	<i>Prunus serrulata</i> 'Kwansan' ^a	30.5
30	<i>Acer campestre</i>	28.8
30	<i>Acer palmatum</i>	28.8
30	<i>Amelanchier</i> x <i>grandiflora</i>	28.8
33	<i>Crataegus crusgalli inermis</i>	27.1
33	<i>Quercus robur</i>	27.1
35	<i>Cornus mas</i>	25.4
35	<i>Fagus sylvatica</i>	25.4
35	<i>Ginkgo biloba</i>	25.4
38	<i>Nyssa sylvatica</i>	23.7
39	<i>Magnolia</i> x <i>loebneri</i> 'Merrill' ^a	22.0
39	<i>Taxodium distichum</i>	22.0

^aOnly one cultivar of species analyzed.

Table 26.—Ranking and rating of top 40 species for the South region in 1986

Rank	Species	Rating
1	<i>Pyrus calleryana</i>	84.2
2	<i>Acer rubrum</i>	76.3
3	<i>Cornus florida</i>	68.4
4	<i>Betula nigra</i>	65.8
4	<i>Cercis canadensis</i>	65.8
6	<i>Acer saccharum</i>	63.2
6	<i>Liquidambar styraciflua</i>	63.2
8	<i>Magnolia grandiflora</i>	60.5
8	<i>Quercus palustris</i>	60.5
10	<i>Magnolia x soulangeana</i>	57.9
10	<i>Quercus phellos</i>	57.9
12	<i>Malus</i> spp.	55.3
13	<i>Fraxinus pennsylvanica</i>	52.6
13	<i>Ilex x attenuata</i> 'Fosteri' ^a	52.6
15	<i>Gleditsia triacanthos</i>	50.0
16	<i>Cornus kousa</i>	47.4
17	<i>Prunus serrulata</i> 'Kwansan' ^a	44.7
18	<i>Acer platanoides</i>	42.1
18	<i>Koeleruteria paniculata</i>	42.1
18	<i>Liriodendron tulipifera</i>	42.1
21	<i>Quercus rubra</i>	39.5
22	<i>Crataegus phaenopyrum</i>	36.8
22	<i>Quercus shumardi</i>	36.8
24	<i>Acer saccharinum</i>	34.2
24	<i>Fraxinus americana</i>	34.2
24	<i>Magnolia stellata</i>	34.2
24	<i>Platanus x acerifolia</i>	34.2
24	<i>Tilia cordata</i>	34.2
29	<i>Zelkova serrata</i>	31.6
30	<i>Acer ginnala</i>	28.9
30	<i>Nyssa sylvatica</i>	28.9
30	<i>Quercus nigra</i>	28.9
30	<i>Quercus virginiana</i>	28.9
34	<i>Acer palmatum</i>	26.3
34	<i>Betula platyphylla</i>	26.3
34	<i>Ginkgo biloba</i>	26.3
34	<i>Taxodium distichum</i>	26.3
38	<i>Metasequoia glyptostroboides</i>	23.7
38	<i>Quercus coccinea</i>	23.7
38	<i>Ulmus parvifolia</i>	23.7

^aOnly one cultivar of species analyzed.

Table 27.—Ranking and rating of top 47 species for the West region in 1986

Rank	Species	Rating
1	<i>Acer platanoides</i>	84.2
2	<i>Fraxinus pennsylvanica</i>	78.9
2	<i>Tilia cordata</i>	78.9
4	<i>Acer ginnala</i>	73.7
4	<i>Gleditsia triacanthos</i>	73.7
6	<i>Acer rubrum</i>	68.4
7	<i>Fraxinus americana</i>	63.2
7	<i>Malus</i> spp.	63.2
7	<i>Platanus x acerifolia</i>	63.2
7	<i>Prunus serrulata</i> 'Kwansan' ^a	63.2
7	<i>Tilia americana</i>	63.2
12	<i>Crataegus laevigata</i>	57.9
12	<i>Quercus palustris</i>	57.9
14	<i>Acer saccharum</i>	52.6
14	<i>Betula nigra</i>	52.6
14	<i>Prunus x blireiana</i>	52.6
14	<i>Sorbus aucuparia</i>	52.6
18	<i>Acer saccharinum</i>	47.4
18	<i>Crataegus x lavalleyi</i>	47.4
18	<i>Elaeagnus angustifolia</i>	47.4
18	<i>Pyrus calleryana</i>	47.4
18	<i>Zelkova serrata</i>	47.4
23	<i>Celtis occidentalis</i>	42.1
23	<i>Crataegus phaenopyrum</i>	42.1
25	<i>Acer palmatum</i>	36.8
25	<i>Koeleruteria paniculata</i>	36.8
25	<i>Quercus rubra</i>	36.8
28	<i>Betula platyphylla</i>	31.6
28	<i>Cercis canadensis</i>	31.6
28	<i>Cornus florida</i>	31.6
28	<i>Liriodendron tulipifera</i>	31.6
32	<i>Acer negundo</i>	26.3
32	<i>Acer pseudoplatanus</i>	26.3
32	<i>Cornus kousa</i>	26.3
32	<i>Ginkgo biloba</i>	26.3
32	<i>Magnolia x soulangeana</i>	26.3
37	<i>Acer campestre</i>	21.1
37	<i>Aesculus hippocastanum</i>	21.1
37	<i>Carpinus betulus</i>	21.1
37	<i>Crataegus crusgalli inermis</i>	21.1
37	<i>Crataegus viridis</i> 'Winter King' ^a	21.1
37	<i>Gymnocladus dioica</i>	21.1
37	<i>Liquidambar styraciflua</i>	21.1
37	<i>Magnolia stellata</i>	21.1
37	<i>Morus alba</i>	21.1
37	<i>Prunus sargentii</i>	21.1
37	<i>Quercus coccinea</i>	21.1

^aOnly one cultivar of species analyzed.

Table 28.—Summary of ratings for all species in 1986 for the Nation (US), Northeast (NE), North Central (NC), Ohio, South (SO), and West regions

Species	US	NE	NC	OHIO	SO	WEST
<i>Acer buergerianum</i>	5.7	3.8	4.8	6.8	10.5	0.0
<i>Acer campestre</i>	22.0	23.1	47.6	28.8	5.3	21.1
<i>Acer ginnala</i>	53.3	46.2	85.7	42.4	28.9	73.7
<i>Acer negundo</i>	7.6	0.0	4.8	0.0	5.3	26.3
<i>Acer nigrum</i>	5.1	7.7	11.9	1.7	2.6	0.0
<i>Acer palmatum</i>	29.7	30.8	28.6	28.8	26.3	36.8
<i>Acer platanoides</i>	68.0	76.9	85.7	74.6	42.1	84.2
<i>Acer pseudoplatanus</i>	12.1	26.9	2.4	0.0	2.6	26.3
<i>Acer rubrum</i>	79.1	80.8	95.2	71.2	76.3	68.4
<i>Acer saccharinum</i>	42.4	34.6	61.9	35.6	34.2	47.4
<i>Acer saccharum</i>	67.9	73.1	88.1	55.9	63.2	52.6
<i>Aesculus glabra</i>	7.9	7.7	23.8	6.8	0.0	5.3
<i>Aesculus hippocastanum</i>	11.2	19.2	14.3	1.7	0.0	21.1
<i>Aesculus octandra</i>	1.5	0.0	7.1	0.0	0.0	0.0
<i>Alnus glutinosa</i>	8.0	0.0	31.0	11.9	0.0	5.3
<i>Amelancier x grandiflora</i>	16.5	23.1	26.2	28.8	7.9	10.5
<i>Amelancier laevis</i>	23.0	42.3	31.0	40.7	13.2	5.3
<i>Betula nigra</i>	62.7	42.3	90.5	59.3	65.8	52.6
<i>Betula platyphylla</i>	36.9	34.6	61.9	37.3	26.3	31.6
<i>Carpinus betulus</i>	23.8	42.3	31.0	32.2	7.9	21.1
<i>Castanea mollissima</i>	9.0	11.5	7.1	10.2	10.5	5.3
<i>Celtis laevigata</i>	2.8	3.8	4.8	1.7	2.6	0.0
<i>Celtis occidentalis</i>	30.3	23.1	52.4	6.8	18.4	42.1
<i>Cercidiphyllum japonicum</i>	18.0	38.5	16.7	13.6	10.5	10.5
<i>Cercis canadensis</i>	55.2	42.3	76.2	45.8	65.8	31.6
<i>Cornus florida</i>	53.9	65.4	40.5	50.8	68.4	31.6
<i>Cornus kousa</i>	39.3	50.0	26.2	45.8	47.4	26.3
<i>Cornus mas</i>	22.3	34.6	38.1	25.4	7.9	15.8
<i>Cornus officinalis</i>	3.8	3.8	9.5	1.7	2.6	0.0
<i>Corylus colurna</i>	5.7	7.7	16.7	11.9	0.0	0.0
<i>Crataegus crusgalli inermis</i>	21.6	19.2	50.0	27.1	5.3	21.1
<i>Crataegus intricata</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Crataegus laevigata</i>	26.6	34.6	11.9	10.2	15.8	57.9
<i>Crataegus x lavallei</i>	22.2	26.9	19.0	18.6	7.9	47.4
<i>Crataegus mollis</i>	6.9	11.5	11.9	0.0	2.6	5.3
<i>Crataegus nitida</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Crataegus phaenopyrum</i>	48.7	53.8	69.0	49.2	36.8	42.1
<i>Crataegus prunifolia</i>	2.0	0.0	9.5	0.0	0.0	0.0
<i>Crataegus punctata</i>	5.1	7.7	14.3	8.5	0.0	0.0
<i>Crataegus virdis</i> 'Winter King' ^a	26.5	26.9	33.3	55.9	21.1	21.1
<i>Elaeagnus angustifolia</i>	28.3	23.1	35.7	16.9	18.4	47.4
<i>Eucommia ulmoides</i>	3.6	3.8	9.5	15.3	0.0	0.0
<i>Euonymus bungeana</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Fagus sylvatica</i>	20.0	42.3	23.8	25.4	7.9	10.5
<i>Fraxinus americana</i>	51.9	46.2	76.2	57.6	34.2	63.2
<i>Fraxinus excelsior</i> 'Hessei' ^a	6.8	7.7	9.5	10.2	7.9	0.0
<i>Fraxinus holotricha</i> 'Moraine' ^a	1.6	0.0	2.4	1.7	0.0	5.3
<i>Fraxinus pennsylvanica</i>	72.6	76.9	97.6	66.1	52.6	78.9
<i>Fraxinus tomentosa</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Ginkgo biloba</i>	33.6	42.3	45.2	25.4	26.3	26.3
<i>Gleditsia triacanthos</i>	70.4	80.8	88.1	83.1	50.0	73.7
<i>Gymnocladus dioica</i>	17.2	7.7	31.0	15.3	13.2	21.1
<i>Halesia carolina</i>	9.1	19.2	9.5	5.1	7.9	0.0
<i>Ilex x attenuata</i> 'Fosteri' ^a	18.7	0.0	4.8	1.7	52.6	0.0

(continued on page 28)

Table 28. (cont.)

Species	US	NE	NC	OHIO	SO	WEST
<i>Koeleruteria paniculata</i>	31.4	30.8	14.3	16.9	42.1	36.8
<i>Liquidambar styraciflua</i>	42.7	38.5	33.3	49.2	63.2	21.1
<i>Liriodendron tulipifera</i>	31.3	23.1	26.2	16.9	42.1	31.6
<i>Maclura pomifera</i>	4.3	0.0	11.9	1.7	5.3	0.0
<i>Magnolia grandiflora</i>	24.3	3.8	4.8	5.1	60.5	10.5
<i>Magnolia</i> x <i>loebneri</i> 'Merrill' ^a	17.5	19.2	23.8	22.0	15.8	10.5
<i>Magnolia</i> x <i>soulangeana</i>	46.6	50.0	47.6	30.5	57.9	26.3
<i>Magnolia stellata</i>	35.6	30.8	54.8	44.1	34.2	21.1
<i>Malus</i> spp.	69.8	76.9	90.5	81.4	55.3	63.2
<i>Metasequoia glyptostroboides</i>	20.4	34.6	14.3	20.3	23.7	5.3
<i>Morus alba</i>	11.7	11.5	11.9	3.4	7.9	21.1
<i>Morus rubra</i>	0.9	0.0	0.0	0.0	2.6	0.0
<i>Nyssa sylvatica</i>	22.0	30.8	21.4	23.7	28.9	0.0
<i>Ostrya virginiana</i>	14.2	19.2	28.6	10.2	10.5	0.0
<i>Phellodendron amurense</i>	18.1	23.1	26.2	6.8	15.8	10.5
<i>Pistachia chinensis</i>	4.5	0.0	0.0	0.0	10.5	5.3
<i>Platanus</i> x <i>acerifolia</i>	42.2	46.2	33.3	42.4	34.2	63.2
<i>Prunus</i> x <i>blireiana</i>	12.4	7.7	2.4	8.5	0.0	52.6
<i>Prunus sargentii</i>	12.5	23.1	7.1	6.8	5.3	21.1
<i>Prunus serrulata</i> 'Kwansan' ^a	46.4	53.8	31.0	30.5	44.7	63.2
<i>Pyrus calleryana</i>	71.2	69.2	73.8	78.0	84.2	47.4
<i>Quercus alba</i>	16.6	26.9	19.0	11.9	18.4	0.0
<i>Quercus bicolor</i>	14.5	15.4	33.3	10.2	5.3	10.5
<i>Quercus coccinea</i>	24.3	38.5	16.7	11.9	23.7	21.1
<i>Quercus imbricaria</i>	2.7	7.7	4.8	0.0	0.0	0.0
<i>Quercus macrocarpa</i>	11.9	19.2	16.7	10.2	5.3	10.5
<i>Quercus nigra</i>	12.4	7.7	4.8	0.0	28.9	0.0
<i>Quercus palustris</i>	67.7	80.8	78.6	55.9	60.5	57.9
<i>Quercus phellos</i>	24.2	19.2	2.4	1.7	57.9	0.0
<i>Quercus robur</i>	23.4	38.5	26.2	27.1	15.8	15.8
<i>Quercus rubra</i>	49.6	65.4	61.9	49.2	39.5	36.8
<i>Quercus shumardi</i>	18.4	11.5	9.5	11.9	36.8	5.3
<i>Quercus virginiana</i>	9.7	0.0	0.0	0.0	28.9	0.0
<i>Robinia</i> x <i>ambigua decausneana</i>	1.0	0.0	0.0	0.0	0.0	5.3
<i>Robinia pseudoacacia</i>	8.2	3.8	7.1	8.5	10.5	10.5
<i>Sorbus aucuparia</i>	43.9	61.5	64.3	42.4	15.8	52.6
<i>Sorbus</i> x <i>thuringiana</i>	5.8	3.8	9.5	0.0	0.0	15.8
<i>Sorbus tiashanica</i>	3.7	3.8	9.5	0.0	2.6	0.0
<i>Syringa reticulata</i>	11.2	15.4	21.4	13.6	5.3	5.3
<i>Taxodium distichum</i>	19.8	11.5	35.7	22.0	26.3	0.0
<i>Tilia americana</i>	35.8	30.8	61.9	18.6	10.5	63.2
<i>Tilia cordata</i>	62.4	73.1	83.3	62.7	34.2	78.9
<i>Tilia</i> x <i>euchlora</i>	11.5	15.4	9.5	11.9	7.9	15.8
<i>Tilia</i> x <i>europaea</i>	0.8	3.8	0.0	0.0	0.0	0.0
<i>Tilia mongolica</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia platyphyllos</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia tomentosa</i>	8.3	11.5	7.1	10.2	2.6	15.8
<i>Ulmus americana</i>	3.6	3.8	4.8	0.0	5.3	0.0
<i>Ulmus parvifolia</i>	13.9	7.7	9.5	6.8	23.7	10.5
<i>Zelkova serrata</i>	34.5	46.2	16.7	33.9	31.6	47.4

^aOnly one cultivar of species analyzed.

Table 29.—National ranking and rating of top 40 species in 1983

Rank	Species	Rating
1	<i>Acer rubrum</i>	79.2
2	<i>Gleditsia triacanthos</i>	75.3
3	<i>Acer platanoides</i>	72.0
4	<i>Acer saccharum</i>	69.6
5	<i>Quercus palustris</i>	68.6
6	<i>Malus</i> spp.	67.2
7	<i>Pyrus calleryana</i>	66.5
8	<i>Tilia cordata</i>	65.0
9	<i>Fraxinus pennsylvanica</i>	62.1
10	<i>Cornus florida</i>	59.6
11	<i>Cercis canadensis</i>	56.7
12	<i>Betula nigra</i>	52.3
13	<i>Prunus serrulata</i> 'Kwansan' ^a	50.3
14	<i>Fraxinus americana</i>	49.9
15	<i>Acer ginnala</i>	49.8
16	<i>Magnolia</i> x <i>soulangiana</i>	48.7
17	<i>Sorbus aucuparia</i>	45.7
18	<i>Acer saccharinum</i>	45.3
19	<i>Liquidambar styraciflua</i>	44.4
20	<i>Acer palmatum</i>	43.6
21	<i>Ginkgo biloba</i>	42.4
22	<i>Quercus rubra</i>	40.7
23	<i>Platanus</i> x <i>acerifolia</i>	40.1
24	<i>Elaeagnus angustifolia</i>	38.5
25	<i>Liriodendron tulipifera</i>	38.5
26	<i>Cornus kousa</i>	37.1
27	<i>Tilia americana</i>	35.7
28	<i>Magnolia stellata</i>	33.6
29	<i>Koelreuteria paniculata</i>	33.3
30	<i>Zelkova serrata</i>	27.6
31	<i>Quercus coccinea</i>	27.0
32	<i>Crataegus phaenopyrum</i>	27.0
33	<i>Magnolia grandiflora</i>	26.6
34	<i>Taxodium distichum</i>	26.6
35	<i>Quercus robur</i>	22.8
36	<i>Carpinus betulus</i>	22.5
37	<i>Quercus phellos</i>	21.8
38	<i>Cornus mas</i>	21.7
39	<i>Celtis occidentalis</i>	21.6
40	<i>Fagus sylvatica</i>	21.0

^aOnly one cultivar of species analyzed.

Table 30.—Ranking and rating of top 41 species for the Northeast region in 1983

Rank	Species	Rating
1	<i>Acer platanoides</i>	96.4
1	<i>Acer rubrum</i>	96.4
3	<i>Acer saccharum</i>	92.9
3	<i>Tilia cordata</i>	92.9
5	<i>Gleditsia triacanthos</i>	89.3
5	<i>Malus</i> spp.	89.3
7	<i>Quercus palustris</i>	82.1
8	<i>Prunus serrulata</i> 'Kwansan' ^a	75.0
9	<i>Fraxinus pennsylvanica</i>	71.4
10	<i>Cornus florida</i>	67.9
10	<i>Pyrus calleryana</i>	67.9
12	<i>Quercus rubra</i>	60.7
13	<i>Ginkgo biloba</i>	57.1
13	<i>Sorbus aucuparia</i>	57.1
15	<i>Acer palmatum</i>	53.6
15	<i>Platanus</i> x <i>acerifolia</i>	53.6
17	<i>Cercis canadensis</i>	46.4
17	<i>Cornus kousa</i>	46.4
17	<i>Fraxinus americana</i>	46.4
17	<i>Magnolia</i> x <i>soulangiana</i>	46.4
21	<i>Acer ginnala</i>	39.3
21	<i>Acer saccharinum</i>	39.3
23	<i>Carpinus betulus</i>	35.7
23	<i>Magnolia stellata</i>	35.7
23	<i>Quercus coccinea</i>	35.7
23	<i>Zelkova serrata</i>	35.7
27	<i>Acer campestre</i>	32.1
27	<i>Amelancier laevis</i>	32.1
27	<i>Crataegus laevigata</i>	32.1
27	<i>Crataegus phaenopyrum</i>	32.1
27	<i>Fagus sylvatica</i>	32.1
27	<i>Liquidambar styraciflua</i>	32.1
27	<i>Metasequoia glyptostroboides</i>	32.1
27	<i>Prunus sargentii</i>	32.1
27	<i>Quercus robur</i>	32.1
27	<i>Tilia americana</i>	32.1
37	<i>Betula nigra</i>	28.6
37	<i>Cornus mas</i>	28.6
37	<i>Koelreuteria paniculata</i>	28.6
37	<i>Liriodendron tulipifera</i>	28.6
37	<i>Phellodendron amurense</i>	28.6

^aOnly one cultivar of species analyzed.

Table 31.—Ranking and rating of top 40 species for the North Central region in 1983

Rank	Species	Rating
1	<i>Acer rubrum</i>	93.5
2	<i>Acer ginnala</i>	91.9
2	<i>Malus</i> spp.	91.9
4	<i>Fraxinus pennsylvanica</i>	90.3
4	<i>Tilia cordata</i>	90.3
6	<i>Acer platanoides</i>	88.7
6	<i>Acer saccharum</i>	88.7
8	<i>Gleditsia triacanthos</i>	85.5
9	<i>Quercus palustris</i>	82.3
10	<i>Betula nigra</i>	74.2
10	<i>Fraxinus americana</i>	74.2
10	<i>Pyrus calleryana</i>	74.2
13	<i>Cercis canadensis</i>	72.6
14	<i>Sorbus aucuparia</i>	64.5
14	<i>Tilia americana</i>	64.5
16	<i>Elaeagnus angustifolia</i>	56.5
16	<i>Ginkgo biloba</i>	56.5
18	<i>Acer saccharinum</i>	54.8
19	<i>Quercus rubra</i>	51.6
20	<i>Magnolia x soulangeana</i>	50.0
21	<i>Magnolia stellata</i>	48.4
22	<i>Cornus florida</i>	45.2
22	<i>Crataegus phaenopyrum</i>	45.2
24	<i>Celtis occidentalis</i>	43.5
24	<i>Taxodium distichum</i>	43.5
26	<i>Betula platyphylla</i>	41.9
26	<i>Cornus mas</i>	41.9
28	<i>Gymnocladus dioica</i>	40.3
29	<i>Platanus x acerifolia</i>	38.7
30	<i>Acer palmatum</i>	37.1
30	<i>Crataegus viridis</i> "Winter King" ^a	37.1
32	<i>Liquidambar styraciflua</i>	33.9
33	<i>Cornus kousa</i>	32.3
34	<i>Quercus robur</i>	30.6
35	<i>Amelanchier laevis</i>	29.0
36	<i>Acer campestre</i>	27.4
36	<i>Aesculus glabra</i>	27.4
36	<i>Prunus serrulata</i> "Kwansan" ^a	27.4
39	<i>Phellodendron amurense</i>	25.8
39	<i>Quercus macrocarpa</i>	25.8

^aOnly one cultivar of species analyzed.

Table 32.—Ranking and rating of top 41 species for the Ohio region in 1983

Rank	Species	Rating
1	<i>Malus</i> spp.	93.3
2	<i>Acer rubrum</i>	88.9
3	<i>Acer platanoides</i>	86.7
3	<i>Gleditsia triacanthos</i>	86.7
5	<i>Tilia cordata</i>	68.9
6	<i>Cercis canadensis</i>	66.7
7	<i>Fraxinus pennsylvanica</i>	64.4
7	<i>Pyrus calleryana</i>	64.4
9	<i>Acer saccharum</i>	62.2
9	<i>Betula nigra</i>	62.2
9	<i>Cornus florida</i>	62.2
9	<i>Fraxinus americana</i>	62.2
13	<i>Liquidambar styraciflua</i>	60.0
13	<i>Quercus palustris</i>	60.0
15	<i>Sorbus aucuparia</i>	57.8
16	<i>Prunus serrulata</i> "Kwansan" ^a	55.6
17	<i>Magnolia x soulangeana</i>	53.3
17	<i>Platanus x acerifolia</i>	53.3
19	<i>Cornus kousa</i>	48.9
19	<i>Crataegus viridis</i> "Winter King" ^a	48.9
19	<i>Magnolia stellata</i>	48.9
22	<i>Acer ginnala</i>	44.4
22	<i>Quercus rubra</i>	44.4
24	<i>Acer palmatum</i>	40.0
25	<i>Crataegus phaenopyrum</i>	37.8
25	<i>Elaeagnus angustifolia</i>	37.8
25	<i>Liriodendron tulipifera</i>	37.8
28	<i>Cornus mas</i>	35.6
29	<i>Acer campestre</i>	33.3
29	<i>Amelanchier laevis</i>	33.3
29	<i>Ginkgo biloba</i>	33.3
32	<i>Quercus robur</i>	31.1
32	<i>Zelkova serrata</i>	31.1
34	<i>Betula platyphylla</i>	28.9
35	<i>Acer saccharinum</i>	26.7
35	<i>Tilia americana</i>	26.7
37	<i>Crataegus lavellei</i>	24.4
37	<i>Nyssa sylvatica</i>	24.4
37	<i>Quercus coccinea</i>	24.4
40	<i>Amelanchier x grandiflora</i>	22.2
40	<i>Carpinus betulus</i>	22.2

^aOnly one cultivar of species analyzed.

Table 31.—Ranking and rating of top 40 species for the North Central region in 1983

Rank	Species	Rating
1	<i>Acer rubrum</i>	93.5
2	<i>Acer ginnala</i>	91.9
2	<i>Malus</i> spp.	91.9
4	<i>Fraxinus pennsylvanica</i>	90.3
4	<i>Tilia cordata</i>	90.3
6	<i>Acer platanoides</i>	88.7
6	<i>Acer saccharum</i>	88.7
8	<i>Gleditsia triacanthos</i>	85.5
9	<i>Quercus palustris</i>	82.3
10	<i>Betula nigra</i>	74.2
10	<i>Fraxinus americana</i>	74.2
10	<i>Pyrus calleryana</i>	74.2
13	<i>Cercis canadensis</i>	72.6
14	<i>Sorbus aucuparia</i>	64.5
14	<i>Tilia americana</i>	64.5
16	<i>Elaeagnus angustifolia</i>	56.5
16	<i>Ginkgo biloba</i>	56.5
18	<i>Acer saccharinum</i>	54.8
19	<i>Quercus rubra</i>	51.6
20	<i>Magnolia x soulangeana</i>	50.0
21	<i>Magnolia stellata</i>	48.4
22	<i>Cornus florida</i>	45.2
22	<i>Crataegus phaenopyrum</i>	45.2
24	<i>Celtis occidentalis</i>	43.5
24	<i>Taxodium distichum</i>	43.5
26	<i>Betula platyphylla</i>	41.9
26	<i>Cornus mas</i>	41.9
28	<i>Gymnocladus dioica</i>	40.3
29	<i>Platanus x acerifolia</i>	38.7
30	<i>Acer palmatum</i>	37.1
30	<i>Crataegus viridis</i> 'Winter King' ^a	37.1
32	<i>Liquidambar styraciflua</i>	33.9
33	<i>Cornus kousa</i>	32.3
34	<i>Quercus robur</i>	30.6
35	<i>Amelanchier laevis</i>	29.0
36	<i>Acer campestre</i>	27.4
36	<i>Aesculus glabra</i>	27.4
36	<i>Prunus serrulata</i> 'Kwansan' ^a	27.4
39	<i>Phellodendron amurense</i>	25.8
39	<i>Quercus macrocarpa</i>	25.8

^aOnly one cultivar of species analyzed.

Table 32.—Ranking and rating of top 41 species for the Ohio region in 1983

Rank	Species	Rating
1	<i>Malus</i> spp.	93.3
2	<i>Acer rubrum</i>	88.9
3	<i>Acer platanoides</i>	86.7
3	<i>Gleditsia triacanthos</i>	86.7
5	<i>Tilia cordata</i>	68.9
6	<i>Cercis canadensis</i>	66.7
7	<i>Fraxinus pennsylvanica</i>	64.4
7	<i>Pyrus calleryana</i>	64.4
9	<i>Acer saccharum</i>	62.2
9	<i>Betula nigra</i>	62.2
9	<i>Cornus florida</i>	62.2
9	<i>Fraxinus americana</i>	62.2
13	<i>Liquidambar styraciflua</i>	60.0
13	<i>Quercus palustris</i>	60.0
15	<i>Sorbus aucuparia</i>	57.8
16	<i>Prunus serrulata</i> 'Kwansan' ^a	55.6
17	<i>Magnolia x soulangeana</i>	53.3
17	<i>Platanus x acerifolia</i>	53.3
19	<i>Cornus kousa</i>	48.9
19	<i>Crataegus viridis</i> 'Winter King' ^a	48.9
19	<i>Magnolia stellata</i>	48.9
22	<i>Acer ginnala</i>	44.4
22	<i>Quercus rubra</i>	44.4
24	<i>Acer palmatum</i>	40.0
25	<i>Crataegus phaenopyrum</i>	37.8
25	<i>Elaeagnus angustifolia</i>	37.8
25	<i>Liriodendron tulipifera</i>	37.8
28	<i>Cornus mas</i>	35.6
29	<i>Acer campestre</i>	33.3
29	<i>Amelanchier laevis</i>	33.3
29	<i>Ginkgo biloba</i>	33.3
32	<i>Quercus robur</i>	31.1
32	<i>Zelkova serrata</i>	31.1
34	<i>Betula platyphylla</i>	28.9
35	<i>Acer saccharinum</i>	26.7
35	<i>Tilia americana</i>	26.7
37	<i>Crataegus lavellei</i>	24.4
37	<i>Nyssa sylvatica</i>	24.4
37	<i>Quercus coccinea</i>	24.4
40	<i>Amelanchier x grandiflora</i>	22.2
40	<i>Carpinus betulus</i>	22.2

^aOnly one cultivar of species analyzed.

Table 33.—Ranking and rating of top 41 species for the South region in 1983

Rank	Species	Rating
1	<i>Pyrus calleryana</i>	70.3
2	<i>Acer rubrum</i>	67.6
3	<i>Cercis canadensis</i>	64.9
4	<i>Cornus florida</i>	62.2
5	<i>Magnolia grandiflora</i>	59.5
5	<i>Quercus palustris</i>	59.5
7	<i>Betula nigra</i>	56.8
7	<i>Gleditsia triacanthos</i>	56.8
7	<i>Liquidambar styraciflua</i>	56.8
10	<i>Acer saccharum</i>	54.1
10	<i>Ilex x attenuata</i> 'Fosteri' ^a	54.1
10	<i>Liriodendron tulipifera</i>	54.1
10	<i>Magnolia x soulangeana</i>	54.1
14	<i>Koelreuteria paniculata</i>	51.4
14	<i>Prunus serrulata</i> 'Kwansan' ^a	51.4
14	<i>Quercus phellos</i>	51.4
17	<i>Malus</i> spp.	45.9
18	<i>Acer platanoides</i>	43.2
18	<i>Acer saccharinum</i>	43.2
20	<i>Cornus kousa</i>	40.5
21	<i>Fraxinus americana</i>	37.8
22	<i>Acer palmatum</i>	35.1
22	<i>Elaeagnus angustifolia</i>	35.1
22	<i>Fraxinus pennsylvanica</i>	35.1
22	<i>Quercus virginiana</i>	35.1
22	<i>Taxodium distichum</i>	35.1
27	<i>Tilia cordata</i>	32.4
28	<i>Ginkgo biloba</i>	27.0
28	<i>Magnolia stellata</i>	27.0
28	<i>Zelkova serrata</i>	27.0
31	<i>Acer ginnala</i>	24.3
31	<i>Nyssa sylvatica</i>	24.3
31	<i>Quercus nigra</i>	24.3
31	<i>Quercus rubra</i>	24.3
31	<i>Quercus shumardi</i>	24.3
36	<i>Celtis occidentalis</i>	21.6
36	<i>Crataegus phaenopyrum</i>	21.6
36	<i>Platanus x acerifolia</i>	21.6
36	<i>Quercus alba</i>	21.6
40	<i>Quercus coccinea</i>	18.9
40	<i>Sorbus aucuparia</i>	18.9

^aOnly one cultivar of species analyzed.

Table 34.—Ranking and rating of top 44 species for the West region in 1983

Rank	Species	Rating
1	<i>Gleditsia triacanthos</i>	77.8
2	<i>Acer platanoides</i>	72.2
3	<i>Fraxinus pennsylvanica</i>	66.7
4	<i>Acer ginnala</i>	61.1
4	<i>Acer rubrum</i>	61.1
4	<i>Cornus florida</i>	61.1
4	<i>Tilia cordata</i>	61.1
8	<i>Acer palmatum</i>	55.6
8	<i>Platanus x acerifolia</i>	55.6
8	<i>Quercus palustris</i>	55.6
8	<i>Sorbus aucuparia</i>	55.6
12	<i>Acer saccharinum</i>	50.0
12	<i>Acer saccharum</i>	50.0
12	<i>Pyrus calleryana</i>	50.0
15	<i>Betula nigra</i>	44.4
15	<i>Elaeagnus angustifolia</i>	44.4
15	<i>Fraxinus americana</i>	44.4
15	<i>Liquidambar styraciflua</i>	44.4
15	<i>Malus</i> spp.	44.4
15	<i>Prunus serrulata</i> 'Kwansan' ^a	44.4
15	<i>Tilia americana</i>	44.4
22	<i>Ginkgo biloba</i>	38.9
22	<i>Liriodendron tulipifera</i>	38.9
22	<i>Magnolia x soulangeana</i>	38.9
22	<i>Prunus x blireiana</i>	38.9
22	<i>Quercus coccinea</i>	38.9
27	<i>Cercis canadensis</i>	33.3
27	<i>Morus alba</i>	33.3
27	<i>Quercus rubra</i>	33.3
27	<i>Zelkova serrata</i>	33.3
31	<i>Carpinus betulus</i>	27.8
31	<i>Crataegus lavellei</i>	27.8
31	<i>Koelreuteria paniculata</i>	27.8
34	<i>Cornus kousa</i>	22.2
34	<i>Fagus sylvatica</i>	22.2
34	<i>Magnolia grandiflora</i>	22.2
34	<i>Magnolia stellata</i>	22.2
34	<i>Pistachia chinensis</i>	22.2
34	<i>Quercus robur</i>	22.2
40	<i>Acer campestre</i>	16.7
40	<i>Acer negundo</i>	16.7
40	<i>Acer pseudoplatanus</i>	16.7
40	<i>Crataegus laevigata</i>	16.7
40	<i>Ulmus parvifolia</i>	16.7

^aOnly one cultivar of species analyzed.

Table 35.—Summary of ratings for all species in 1983 for the Nation (US), Northeast (NE), North Central (NC), Ohio, South (SO), and West regions

Species	US	NE	NC	OHIO	SO	WEST
<i>Acer buergerianum</i>	4.4	3.6	3.2	4.4	8.1	0.0
<i>Acer campestre</i>	19.4	32.1	27.4	33.3	5.4	16.7
<i>Acer ginnala</i>	49.8	39.3	91.9	44.4	24.3	61.1
<i>Acer negundo</i>	5.5	3.6	3.2	0.0	2.7	16.7
<i>Acer nigrum</i>	2.5	0.0	11.3	2.2	0.0	0.0
<i>Acer palmatum</i>	43.6	53.6	37.1	40.0	35.1	55.6
<i>Acer platanoides</i>	72.0	96.4	88.7	86.7	43.2	72.2
<i>Acer pseudoplatanus</i>	7.5	14.3	1.6	0.0	2.7	16.7
<i>Acer rubrum</i>	79.2	96.4	93.5	88.9	67.6	61.6
<i>Acer saccharinum</i>	45.3	39.3	54.8	26.7	43.2	50.0
<i>Acer saccharum</i>	69.6	92.9	88.7	62.2	54.1	50.0
<i>Aesculus glabra</i>	10.2	3.6	27.4	13.3	2.7	11.1
<i>Aesculus octandra</i>	3.5	3.6	3.2	2.2	2.7	5.6
<i>Alnus glutinosa</i>	6.3	0.0	22.6	8.9	0.0	5.6
<i>Amelancier x grandiflora</i>	11.1	10.7	22.6	22.2	5.4	5.6
<i>Amelancier laevis</i>	18.4	32.1	29.0	33.3	10.8	0.0
<i>Betula nigra</i>	52.3	28.6	74.2	62.2	56.8	44.4
<i>Betula platyphylla</i>	16.5	10.7	41.9	28.9	5.4	11.1
<i>Carpinus betulus</i>	22.5	35.7	22.6	22.2	10.8	27.8
<i>Castanea mollissima</i>	10.2	14.3	17.7	11.1	8.1	0.0
<i>Celtis laevigata</i>	2.0	0.0	4.8	2.2	2.7	0.0
<i>Celtis occidentalis</i>	21.6	10.7	43.5	13.3	21.6	11.1
<i>Cercidiphyllum japonicum</i>	9.9	17.9	11.3	15.6	5.4	5.6
<i>Cercis canadensis</i>	56.7	46.4	72.6	66.7	64.9	33.3
<i>Cornus florida</i>	59.6	67.9	45.2	62.2	62.2	61.1
<i>Cornus kousa</i>	37.1	46.4	32.3	48.9	40.5	22.2
<i>Cornus mas</i>	21.7	28.6	41.9	35.6	8.1	11.1
<i>Cornus officinalis</i>	4.2	7.1	3.2	2.2	5.4	0.0
<i>Corylus colurna</i>	5.5	0.0	14.5	8.9	2.7	5.6
<i>Crataegus intricata</i>	2.4	3.6	3.2	0.0	2.7	0.0
<i>Crataegus laevigata</i>	20.6	32.1	24.2	17.8	13.5	16.7
<i>Crataegus lavalleyi</i>	15.0	21.4	14.5	24.4	2.7	27.8
<i>Crataegus mollis</i>	8.5	17.9	12.9	0.0	5.4	0.0
<i>Crataegus nitida</i>	0.3	0.0	1.6	0.0	0.0	0.0
<i>Crataegus phaenopyrum</i>	27.0	32.1	45.2	37.8	21.6	11.1
<i>Crataegus prunifolia</i>	2.4	0.0	6.5	2.2	2.7	0.0
<i>Crataegus punctata</i>	4.6	7.1	12.9	6.7	0.0	0.0
<i>Crataegus viridis</i> 'Winter King' ^a	15.8	3.6	37.1	48.9	8.1	11.1
<i>Elaeagnus angustifolia</i>	38.5	21.4	56.5	37.8	35.1	44.4
<i>Eucommia ulmoides</i>	2.1	3.6	4.8	6.7	0.0	0.0
<i>Euonymus bungeana</i>	2.3	0.0	6.5	0.0	2.7	0.0
<i>Fagus sylvatica</i>	21.0	32.1	16.1	20.0	16.2	22.2
<i>Fraxinus americana</i>	49.9	46.4	74.2	62.2	37.8	44.4
<i>Fraxinus excelsior</i> 'Hessei' ^a	4.2	0.0	11.3	17.8	2.7	0.0
<i>Fraxinus holotricha</i> 'Moraine' ^a	2.8	3.6	0.0	2.2	2.7	5.6
<i>Fraxinus pennsylvanica</i>	62.1	71.4	90.3	64.4	35.1	66.7
<i>Fraxinus tomentosa</i>	1.4	0.0	1.6	2.2	2.7	0.0
<i>Ginkgo biloba</i>	42.4	57.1	56.5	33.3	27.0	38.9
<i>Gleditsia triacanthos</i>	75.3	89.3	85.5	86.7	56.8	77.8
<i>Gymnocladus dioica</i>	16.3	10.7	40.3	11.1	8.1	11.1
<i>Halesia carolina</i>	6.8	7.1	11.3	2.2	8.1	0.0
<i>Ilex x attenuata</i> 'Fosteri' ^a	20.2	0.0	9.7	0.0	54.1	0.0
<i>Koeleruteria paniculata</i>	33.3	28.6	17.7	20.0	51.4	27.8
<i>Liquidambar styraciflua</i>	44.4	32.1	33.9	60.0	56.8	44.4

(continued on page 33)

Table 35 (cont.)

Species	US	NE	NC	OHIO	SO	WEST
<i>Liriodendron tulipifera</i>	38.5	28.6	24.2	37.8	54.1	38.9
<i>Maclura pomifera</i>	3.3	0.0	6.5	2.2	5.4	0.0
<i>Magnolia grandiflora</i>	26.6	7.1	4.8	0.0	59.5	22.2
<i>Magnolia x soulangeana</i>	48.7	46.4	50.0	53.3	54.1	38.9
<i>Magnolia stellata</i>	33.6	35.7	48.4	48.9	27.0	22.2
<i>Malus</i> spp.	67.2	89.3	91.9	93.3	45.9	44.4
<i>Metasequoia glyptostroboides</i>	16.8	32.1	16.1	15.6	13.5	5.6
<i>Morus alba</i>	12.2	0.0	11.3	0.0	10.8	33.3
<i>Morus rubra</i>	0.3	0.0	1.6	0.0	0.0	0.0
<i>Nyssa sylvatica</i>	19.5	21.4	16.1	24.4	24.3	11.1
<i>Ostrya virginiana</i>	9.6	10.7	24.2	6.7	5.4	0.0
<i>Phellodendron amurense</i>	14.0	28.6	25.8	8.9	5.4	0.0
<i>Pistachia chinensis</i>	6.8	0.0	0.0	0.0	8.1	22.2
<i>Platanus x acerifolia</i>	40.1	53.6	38.7	53.3	21.6	55.6
<i>Prunus x blireiana</i>	15.4	17.9	11.3	2.2	5.4	38.9
<i>Prunus sargentii</i>	12.9	32.1	11.3	13.3	5.4	5.6
<i>Prunus serrulata</i> 'Kwansan' ^a	50.3	75.0	27.4	55.6	51.4	44.4
<i>Pyrus calleryana</i>	66.5	67.9	74.2	64.4	70.3	50.0
<i>Quercus alba</i>	17.2	21.4	22.6	8.9	21.6	0.0
<i>Quercus bicolor</i>	10.4	7.1	17.7	6.7	8.1	11.1
<i>Quercus coccinea</i>	27.0	35.7	21.0	24.4	18.9	38.9
<i>Quercus imbricaria</i>	6.7	17.9	6.5	11.1	2.7	0.0
<i>Quercus macrocarpa</i>	13.1	21.4	25.8	4.4	8.1	0.0
<i>Quercus nigra</i>	10.7	7.1	0.0	0.0	24.3	5.6
<i>Quercus palustris</i>	68.6	82.1	82.3	60.0	59.5	55.6
<i>Quercus phellos</i>	21.8	17.9	3.2	0.0	51.4	0.0
<i>Quercus robur</i>	22.8	32.1	30.6	31.1	10.8	22.2
<i>Quercus rubra</i>	40.7	60.7	51.6	44.4	24.3	33.3
<i>Quercus shumardi</i>	14.0	7.1	8.1	11.1	24.3	11.1
<i>Quercus virginiana</i>	13.8	0.0	0.0	0.0	35.1	11.1
<i>Robinia x ambigua decausneana</i>	1.4	0.0	1.6	0.0	0.0	5.6
<i>Robinia pseudoacacia</i>	5.1	3.6	6.5	2.2	5.4	5.6
<i>Sorbus aucuparia</i>	45.7	57.1	64.5	57.8	18.9	55.6
<i>Sorbus x thuringiana</i>	3.1	0.0	4.8	2.2	2.7	5.6
<i>Sorbus tiashanica</i>	1.9	3.6	4.8	2.2	0.0	0.0
<i>Syringa reticulata</i>	3.7	0.0	11.3	8.9	2.7	0.0
<i>Taxodium distichum</i>	26.6	21.4	43.5	17.8	35.1	0.0
<i>Tilia americana</i>	35.7	32.1	64.5	26.7	16.2	44.4
<i>Tilia cordata</i>	65.0	92.9	90.3	68.9	32.4	61.1
<i>Tilia x euchlora</i>	8.4	14.3	8.1	11.1	2.7	11.1
<i>Tilia x europaea</i>	2.0	7.1	1.6	2.2	0.0	0.0
<i>Tilia mongolica</i>	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tilia platyphyllos</i>	0.5	0.0	1.6	2.2	0.0	0.0
<i>Tilia tomentosa</i>	4.7	10.7	6.5	2.2	2.7	0.0
<i>Ulmus americana</i>	6.2	7.1	3.2	2.2	5.4	11.1
<i>Ulmus parvifolia</i>	10.6	0.0	8.1	6.7	16.2	16.7
<i>Zelkova serrata</i>	27.6	35.7	14.5	31.1	27.0	33.3

^aOnly one cultivar of species analyzed.

Table 38.—Ranking and rating of top 40 species for the North Central region in 1980

Rank	Species	Rating
1	<i>Acer platanoides</i>	91.4
2	<i>Acer rubrum</i>	89.7
3	<i>Malus</i> spp.	87.9
4	<i>Fraxinus pennsylvanica</i>	86.2
5	<i>Acer saccharum</i>	84.5
6	<i>Acer ginnala</i>	82.8
7	<i>Gleditsia triacanthos</i>	81.0
8	<i>Tilia cordata</i>	79.3
9	<i>Betula nigra</i>	77.6
10	<i>Acer saccharinum</i>	75.9
10	<i>Cercis canadensis</i>	75.9
12	<i>Elaeagnus angustifolia</i>	72.4
13	<i>Pyrus calleryana</i>	69.0
14	<i>Tilia americana</i>	63.8
15	<i>Sorbus aucuparia</i>	60.3
16	<i>Celtis occidentalis</i>	53.4
16	<i>Fraxinus americana</i>	53.4
18	<i>Ginkgo biloba</i>	48.3
19	<i>Crataegus phaenopyrum</i>	41.4
20	<i>Gymnocladus dioicus</i>	39.7
21	<i>Liquidambar styraciflua</i>	36.2
22	<i>Crataegus viridis</i> 'Winter King' ^a	34.5
23	<i>Platanus x acerifolia</i>	32.8
24	<i>Prunus serrulata</i> 'Kwansan' ^a	27.6
25	<i>Quercus robur</i>	25.9
25	<i>Syringa reticulata</i>	25.9
27	<i>Koelreuteria paniculata</i>	24.1
27	<i>Ostrya virginiana</i>	24.1
27	<i>Phellodendron amurense</i>	24.1
30	<i>Betula platyphylla</i>	22.4
30	<i>Nyssa sylvatica</i>	22.4
32	<i>Amelanchier x grandiflora</i>	20.7
32	<i>Crataegus laevigata</i>	20.7
34	<i>Carpinus betulus</i>	19.0
34	<i>Zelkova serrata</i>	19.0
36	<i>Acer campestre</i>	17.2
36	<i>Amelancier laevis</i>	17.2
36	<i>Crataegus x lavalley</i>	17.2
39	<i>Prunus sargentii</i>	13.8
39	<i>Tilia x euchlora</i>	13.8

^aOnly one cultivar of species analyzed.

Table 39.—Ranking and rating of top 40 species for the Ohio region in 1980

Rank	Species	Rating
1	<i>Malus</i> spp.	92.2
2	<i>Acer platanoides</i>	89.2
2	<i>Acer rubrum</i>	89.2
4	<i>Gleditsia triacanthos</i>	88.2
5	<i>Tilia cordata</i>	79.4
6	<i>Pyrus calleryana</i>	78.4
7	<i>Acer saccharum</i>	74.5
8	<i>Liquidambar styraciflua</i>	69.6
9	<i>Betula nigra</i>	67.6
10	<i>Cercis canadensis</i>	66.7
10	<i>Fraxinus pennsylvanica</i>	66.7
12	<i>Prunus serrulata</i> 'Kwansan' ^a	60.8
13	<i>Platanus x acerifolia</i>	59.8
14	<i>Fraxinus americana</i>	57.8
15	<i>Crataegus viridis</i> 'Winter King' ^a	54.9
16	<i>Sorbus aucuparia</i>	52.9
17	<i>Crataegus phaenopyrum</i>	52.0
18	<i>Ginkgo biloba</i>	49.0
19	<i>Crataegus x lavalley</i>	44.1
20	<i>Acer ginnala</i>	40.2
21	<i>Elaeagnus angustifolia</i>	39.2
22	<i>Carpinus betulus</i>	37.3
23	<i>Amelancier laevis</i>	36.3
24	<i>Acer saccharinum</i>	35.3
25	<i>Amelanchier x grandiflora</i>	31.4
26	<i>Quercus robur</i>	28.4
27	<i>Tilia americana</i>	26.5
28	<i>Nyssa sylvatica</i>	24.5
28	<i>Quercus imbricaria</i>	24.5
30	<i>Zelkova serrata</i>	23.5
31	<i>Koelreuteria paniculata</i>	21.6
32	<i>Cercidiphyllum japonicum</i>	19.6
32	<i>Quercus palustris</i> 'Sovereign' ^a	19.6
34	<i>Acer campestre</i>	18.6
34	<i>Betula platyphylla</i>	18.6
34	<i>Crataegus laevigata</i>	18.6
34	<i>Syringa reticulata</i>	18.6
38	<i>Quercus shumardi</i>	16.7
39	<i>Gymnocladus dioicus</i>	15.7
40	<i>Corylus cornuta</i>	13.7

^aOnly one cultivar of species analyzed.

Table 38.—Ranking and rating of top 40 species for the North Central region in 1980

Rank	Species	Rating
1	<i>Acer platanoides</i>	91.4
2	<i>Acer rubrum</i>	89.7
3	<i>Malus</i> spp.	87.9
4	<i>Fraxinus pennsylvanica</i>	86.2
5	<i>Acer saccharum</i>	84.5
6	<i>Acer ginnala</i>	82.8
7	<i>Gleditsia triacanthos</i>	81.0
8	<i>Tilia cordata</i>	79.3
9	<i>Betula nigra</i>	77.6
10	<i>Acer saccharinum</i>	75.9
10	<i>Cercis canadensis</i>	75.9
12	<i>Elaeagnus angustifolia</i>	72.4
13	<i>Pyrus calleryana</i>	69.0
14	<i>Tilia americana</i>	63.8
15	<i>Sorbus aucuparia</i>	60.3
16	<i>Celtis occidentalis</i>	53.4
16	<i>Fraxinus americana</i>	53.4
18	<i>Ginkgo biloba</i>	48.3
19	<i>Crataegus phaenopyrum</i>	41.4
20	<i>Gymnocladus dioicus</i>	39.7
21	<i>Liquidambar styraciflua</i>	36.2
22	<i>Crataegus viridis</i> 'Winter King' ^a	34.5
23	<i>Platanus x acerifolia</i>	32.8
24	<i>Prunus serrulata</i> 'Kwansan' ^a	27.6
25	<i>Quercus robur</i>	25.9
25	<i>Syringa reticulata</i>	25.9
27	<i>Koeleruteria paniculata</i>	24.1
27	<i>Ostrya virginiana</i>	24.1
27	<i>Phellodendron amurense</i>	24.1
30	<i>Betula platyphylla</i>	22.4
30	<i>Nyssa sylvatica</i>	22.4
32	<i>Amelanchier x grandiflora</i>	20.7
32	<i>Crataegus laevigata</i>	20.7
34	<i>Carpinus betulus</i>	19.0
34	<i>Zelkova serrata</i>	19.0
36	<i>Acer campestre</i>	17.2
36	<i>Amelancier laevis</i>	17.2
36	<i>Crataegus x lavalleyi</i>	17.2
39	<i>Prunus sargentii</i>	13.8
39	<i>Tilia x euchlora</i>	13.8

^aOnly one cultivar of species analyzed.

Table 39.—Ranking and rating of top 40 species for the Ohio region in 1980

Rank	Species	Rating
1	<i>Malus</i> spp.	92.2
2	<i>Acer platanoides</i>	89.2
2	<i>Acer rubrum</i>	89.2
4	<i>Gleditsia triacanthos</i>	88.2
5	<i>Tilia cordata</i>	79.4
6	<i>Pyrus calleryana</i>	78.4
7	<i>Acer saccharum</i>	74.5
8	<i>Liquidambar styraciflua</i>	69.6
9	<i>Betula nigra</i>	67.6
10	<i>Cercis canadensis</i>	66.7
10	<i>Fraxinus pennsylvanica</i>	66.7
12	<i>Prunus serrulata</i> 'Kwansan' ^a	60.8
13	<i>Platanus x acerifolia</i>	59.8
14	<i>Fraxinus americana</i>	57.8
15	<i>Crataegus viridis</i> 'Winter King' ^a	54.9
16	<i>Sorbus aucuparia</i>	52.9
17	<i>Crataegus phaenopyrum</i>	52.0
18	<i>Ginkgo biloba</i>	49.0
19	<i>Crataegus x lavalleyi</i>	44.1
20	<i>Acer ginnala</i>	40.2
21	<i>Elaeagnus angustifolia</i>	39.2
22	<i>Carpinus betulus</i>	37.3
23	<i>Amelancier laevis</i>	36.3
24	<i>Acer saccharinum</i>	35.3
25	<i>Amelanchier x grandiflora</i>	31.4
26	<i>Quercus robur</i>	28.4
27	<i>Tilia americana</i>	26.5
28	<i>Nyssa sylvatica</i>	24.5
28	<i>Quercus imbricaria</i>	24.5
30	<i>Zelkova serrata</i>	23.5
31	<i>Koeleruteria paniculata</i>	21.6
32	<i>Cercidiphyllum japonicum</i>	19.6
32	<i>Quercus palustris</i> 'Sovereign' ^a	19.6
34	<i>Acer campestre</i>	18.6
34	<i>Betula platyphylla</i>	18.6
34	<i>Crataegus laevigata</i>	18.6
34	<i>Syringa reticulata</i>	18.6
38	<i>Quercus shumardi</i>	16.7
39	<i>Gymnocladus dioicus</i>	15.7
40	<i>Corylus colurna</i>	13.7

^aOnly one cultivar of species analyzed.

Table 40.—Ranking and rating of top 52 species for the South region in 1980

Rank	Species	Rating
1	<i>Acer rubrum</i>	85.2
1	<i>Cercis canadensis</i>	85.2
3	<i>Liquidambar styraciflua</i>	77.8
3	<i>Pyrus calleryana</i>	77.8
5	<i>Acer saccharum</i>	74.1
5	<i>Prunus serrulata</i> 'Kwansan' ^a	74.1
7	<i>Koelreuteria paniculata</i>	70.4
7	<i>Malus</i> spp.	70.4
9	<i>Betula nigra</i>	66.7
10	<i>Acer saccharinum</i>	63.0
11	<i>Ginkgo biloba</i>	59.3
11	<i>Gleditsia triacanthos</i>	59.3
13	<i>Elaeagnus angustifolia</i>	55.6
13	<i>Fraxinus americana</i>	55.6
13	<i>Fraxinus pennsylvanica</i>	55.6
13	<i>Tilia cordata</i>	55.6
17	<i>Acer platanoides</i>	51.9
18	<i>Acer ginnala</i>	44.4
18	<i>Platanus</i> x <i>acerifolia</i>	44.4
20	<i>Nyssa sylvatica</i>	37.0
21	<i>Quercus shumardi</i>	29.6
21	<i>Zelkova serrata</i>	29.6
23	<i>Celtis occidentalis</i>	22.2
23	<i>Crataegus phaenopyrum</i>	22.2
23	<i>Gymnocladus dioica</i>	22.2
23	<i>Sorbus aucuparia</i>	22.2
27	<i>Phellodendron amurense</i>	18.5
28	<i>Acer campestre</i>	14.8
28	<i>Crataegus viridis</i> 'Winter King' ^a	14.8
28	<i>Ostrya virginiana</i>	14.8
28	<i>Tilia americana</i>	14.8
32	<i>Amelanchier</i> x <i>grandiflora</i>	11.1
32	<i>Quercus palustris</i> 'Sovereign' ^a	11.1
34	<i>Carpinus betulus</i>	7.4
34	<i>Corylus colurna</i>	7.4
34	<i>Crataegus laevigata</i>	7.4
34	<i>Fraxinus excelsior</i>	7.4
34	<i>Halesia carolina</i>	7.4
34	<i>Sophora japonica</i> 'Regent' ^a	7.4
40	<i>Acer buergerianum</i>	3.7
40	<i>Acer pseudoplatanus</i>	3.7
40	<i>Betula platyphylla</i>	3.7
40	<i>Cercidiphyllum japonicum</i>	3.7
40	<i>Crataegus</i> x <i>lavalleyi</i>	3.7
40	<i>Crataegus mollis</i>	3.7
40	<i>Eucommia ulmoides</i>	3.7
40	<i>Euonymus bungeana</i>	3.7
40	<i>Fraxinus tomentosa</i>	3.7
40	<i>Prunus</i> x <i>blireiana</i>	3.7
40	<i>Prunus sargentii</i>	3.7
40	<i>Syringa reticulata</i>	3.7
40	<i>Tilia</i> x <i>euchlora</i>	3.7

^aOnly one cultivar of species analyzed.

Table 41.—Ranking and rating of top 44 species for the West region in 1980

Rank	Species	Rating
1	<i>Acer platanoides</i>	83.3
2	<i>Fraxinus pennsylvanica</i>	75.0
3	<i>Gleditsia triacanthos</i>	70.8
4	<i>Acer rubrum</i>	66.7
4	<i>Acer saccharinum</i>	66.7
4	<i>Acer saccharum</i>	66.7
7	<i>Platanus</i> x <i>acerifolia</i>	62.5
8	<i>Sorbus aucuparia</i>	58.3
8	<i>Tilia cordata</i>	58.3
10	<i>Acer ginnala</i>	50.0
10	<i>Crataegus laevigata</i>	50.0
10	<i>Malus</i> spp.	50.0
10	<i>Prunus serrulata</i> 'Kwansan' ^a	50.0
14	<i>Liquidambar styraciflua</i>	45.8
15	<i>Crataegus</i> x <i>lavellei</i>	41.7
15	<i>Pyrus calleryana</i>	41.7
15	<i>Zelkova serrata</i>	41.7
18	<i>Betula nigra</i>	37.5
18	<i>Fraxinus americana</i>	37.5
18	<i>Prunus</i> x <i>blireiana</i>	37.5
21	<i>Cercis canadensis</i>	33.3
21	<i>Ginkgo biloba</i>	33.3
21	<i>Koelreuteria paniculata</i>	33.3
21	<i>Tilia americana</i>	33.3
25	<i>Elaeagnus angustifolia</i>	29.2
26	<i>Acer campestre</i>	25.0
27	<i>Acer pseudoplatanus</i>	20.8
27	<i>Prunus sargentii</i>	20.8
27	<i>Quercus robur</i>	20.8
30	<i>Crataegus phaenopyrum</i>	16.7
31	<i>Carpinus betulus</i>	12.5
31	<i>Celtis occidentalis</i>	12.5
31	<i>Fagus sylvatica</i>	12.5
31	<i>Fraxinus holotricha</i> 'Moraine' ^a	12.5
31	<i>Quercus shumardi</i>	12.5
36	<i>Cercidiphyllum japonicum</i>	8.3
36	<i>Crataegus viridis</i> 'Winter King' ^a	8.3
38	<i>Acer buergerianum</i>	4.2
38	<i>Betula platyphylla</i>	4.2
38	<i>Corylus colurna</i>	4.2
38	<i>Quercus imbricaria</i>	4.2
38	<i>Sophora japonica</i> 'Regent' ^a	4.2
38	<i>Tilia</i> x <i>euchlora</i>	4.2
38	<i>Tilia mongolica</i>	4.2

^aOnly one cultivar of species analyzed.

Table 42.—Summary of ratings for all species in 1980 for the Nation (US), Northeast (NE), North Central (NC), Ohio, South (SO), and West regions

Species	US	NE	NC	OHIO	SO	WEST
<i>Acer buergerianum</i>	3.3	3.8	1.7	2.0	3.7	4.2
<i>Acer campestre</i>	19.2	23.1	17.2	18.6	14.8	25.0
<i>Acer ginnala</i>	50.5	30.8	82.8	40.2	44.4	50.0
<i>Acer nigrum</i>	2.9	7.7	5.2	2.9	0.0	0.0
<i>Acer platanoides</i>	77.6	96.2	91.4	89.2	51.9	83.3
<i>Acer pseudoplatanus</i>	12.0	26.9	3.4	4.9	3.7	20.8
<i>Acer rubrum</i>	83.6	88.5	89.7	89.2	85.2	66.7
<i>Acer saccharinum</i>	56.4	23.1	75.9	35.3	63.0	66.7
<i>Acer saccharum</i>	77.2	84.6	84.5	74.5	74.1	66.7
<i>Amelanchier x grandiflora</i>	14.7	23.1	20.7	31.4	11.1	0.0
<i>Amelancier laevis</i>	12.1	30.8	17.2	36.3	0.0	0.0
<i>Betula nigra</i>	55.8	30.8	77.6	67.6	66.7	37.5
<i>Betula platyphylla</i>	10.2	11.5	22.4	18.6	3.7	4.2
<i>Carpinus betulus</i>	20.7	46.2	19.0	37.3	7.4	12.5
<i>Celtis occidentalis</i>	24.0	11.5	53.4	6.9	22.2	12.5
<i>Cercidiphyllum japonicum</i>	14.0	38.5	8.6	19.6	3.7	8.3
<i>Cercis canadensis</i>	65.0	50.0	75.9	66.7	85.2	33.3
<i>Corylus colurna</i>	8.3	11.5	8.6	13.7	7.4	4.2
<i>Crataegus intricata</i>	1.6	0.0	6.9	2.0	0.0	0.0
<i>Crataegus laevigata</i>	28.0	50.0	20.7	18.6	7.4	50.0
<i>Crataegus x lavalleyi</i>	24.8	46.2	17.2	44.1	3.7	41.7
<i>Crataegus mollis</i>	5.3	7.7	10.3	2.9	3.7	0.0
<i>Crataegus nitida</i>	0.4	0.0	1.7	0.0	0.0	0.0
<i>Crataegus phaenopyrum</i>	31.9	46.2	41.4	52.0	22.2	16.7
<i>Crataegus prunifolia</i>	1.5	0.0	6.9	1.0	0.0	0.0
<i>Crataegus punctata</i>	4.7	7.7	12.1	8.8	0.0	0.0
<i>Crataegus viridis</i> 'Winter King' ^a	19.9	15.4	34.5	54.9	14.8	8.3
<i>Elaeagnus angustifolia</i>	48.1	30.8	72.4	39.2	55.6	29.2
<i>Eucommia ulmoides</i>	3.8	7.7	1.7	9.8	3.7	0.0
<i>Euonymus bungeana</i>	2.0	0.0	3.4	0.0	3.7	0.0
<i>Fagus sylvatica</i>	8.4	23.1	3.4	6.9	0.0	12.5
<i>Fraxinus americana</i>	51.5	53.8	53.4	57.8	55.6	37.5
<i>Fraxinus excelsior</i>	5.7	0.0	12.1	12.7	7.4	0.0
<i>Fraxinus holotricha</i> 'Moraine' ^a	3.3	3.8	0.0	2.0	0.0	12.5
<i>Fraxinus pennsylvanica</i>	69.2	69.2	86.2	66.7	55.6	75.0
<i>Fraxinus tomentosa</i>	1.7	0.0	1.7	1.0	3.7	0.0
<i>Ginkgo biloba</i>	50.4	53.8	48.3	49.0	59.3	33.3
<i>Gleditsia triacanthos</i>	73.8	88.5	81.0	88.2	59.3	70.8
<i>Gymnocladus dioicus</i>	20.9	19.2	39.7	15.7	22.2	0.0
<i>Halesia carolina</i>	9.8	19.2	12.1	10.8	7.4	0.0
<i>Koeleruteria paniculata</i>	41.8	26.9	24.1	21.6	70.4	33.3
<i>Liquidambar styraciflua</i>	54.8	42.3	36.2	69.6	77.8	45.8
<i>Malus</i> spp.	76.2	92.3	87.9	92.2	70.4	50.0
<i>Nyssa sylvatica</i>	25.1	30.8	22.4	24.5	37.0	0.0
<i>Ostrya virginiana</i>	13.1	11.5	24.1	8.8	14.8	0.0
<i>Phellodendron amurense</i>	15.9	19.2	24.1	6.9	18.5	0.0
<i>Platanus x acerifolia</i>	50.6	65.4	32.8	59.8	44.4	62.5
<i>Prunus x blireiana</i>	13.0	15.4	5.2	7.8	3.7	37.5
<i>Prunus sargentii</i>	15.4	30.8	13.8	12.7	3.7	20.8
<i>Prunus serrulata</i> 'Kwansan' ^a	61.3	84.6	27.6	60.8	74.1	50.0
<i>Pyrus calleryana</i>	67.4	69.2	69.0	78.4	77.8	41.7
<i>Quercus imbricaria</i>	7.9	15.4	12.1	24.5	0.0	4.2
<i>Quercus palustris</i> 'Sovereign' ^a	12.8	30.8	6.9	19.6	11.1	0.0
<i>Quercus robur</i>	21.7	50.0	25.9	28.4	0.0	20.8

(continued on page 38)

Table 42 (cont.)

Species	US	NE	NC	OHIO	SO	WEST
<i>Quercus shumardi</i>	18.7	19.2	6.9	16.7	29.6	12.5
<i>Sophora japonica</i> 'Regent' ^a	13.2	30.8	12.1	12.7	7.4	4.2
<i>Sorbus aucuparia</i>	48.8	69.2	60.3	52.9	22.2	58.3
<i>Syringa reticulata</i>	12.7	23.1	25.9	18.6	3.7	0.0
<i>Tilia americana</i>	33.5	34.6	63.8	26.5	14.8	33.3
<i>Tilia cordata</i>	68.6	84.6	79.3	79.4	55.6	58.3
<i>Tilia</i> x <i>euchlora</i>	12.3	30.8	13.8	12.7	3.7	4.2
<i>Tilia</i> x <i>europaea</i>	0.5	0.0	1.7	2.0	0.0	0.0
<i>Tilia mongolica</i>	0.9	0.0	0.0	2.0	0.0	4.2
<i>Tilia platyphyllos</i>	0.0	0.0	0.0	1.0	0.0	0.0
<i>Tilia tomentosa</i>	5.4	15.4	6.9	11.8	0.0	0.0
<i>Zelkova serrata</i>	36.3	61.5	19.0	23.5	29.6	41.7

^aOnly one cultivar of species analyzed.

Table 43.--Top 10 nursery species and street tree species (Kielbaso et al. 1988) by region in 1986

Region	Nursery	Street tree
United States	Red maple Green ash Callery pear Honeylocust Crab apple Norway maple Sugar maple Pin oak River birch Littleleaf linden	Norway maple Flowering pear Linden Green ash Honeylocust Red maple Maple Sugar maple Crape myrtle ^a Ashes
Northeast	Red maple Honeylocust Pin oak Norway maple Green ash Crab apple Sugar maple Littleleaf linden Callery pear Red oak	Norway maple Flowering pear Linden Maple Red maple Honeylocust Crab apple Sugar maple Green ash Pin oak
North Central	Green ash Red maple River birch Crab apple Sugar maple Honeylocust Amur maple Norway maple Littleleaf linden Pin oak	Norway maple Green ash Linden Honeylocust Ash Sugar maple Maple Flowering pear Red maple Crab apple
South	Callery pear Red maple Flowering dogwood River birch Redbud Sugar maple Sweetgum Southern magnolia Pin oak Willow oak	Flowering pear Live oak Crape myrtle ^a Oak Dogwood Red maple Palm ^a Willow oak Red oak Pine ^a
West	Norway maple Green ash Littleleaf linden Amur maple Honeylocust Red maple White ash Crab apple London planetree American linden	Flowering pear Sweetgum Crape myrtle ^a Honeylocust Green ash <i>Pistachia</i> sp. Pine ^a Magnolia <i>Cupaniopsis</i> sp. ^a London planetree

^aNot analyzed as a nursery species.

Table 44.—Taxon and species among the 10 most popular in 1980 whose popularity decreased significantly between 1980 and 1986, by region (chi-square test, $\alpha=0.05$)

Region	Taxon	Species
Northeast	<i>Acer platanoides</i> <i>Acer saccharum</i> <i>Prunus serrulata</i> 'Kwansan'	<i>Acer platanoides</i> <i>Prunus serrulata</i>
North Central	<i>Elaeagnus angustifolia</i>	
Ohio	<i>Acer platanoides</i> 'Crimson King' <i>Acer saccharum</i> <i>Cercis canadensis</i> <i>Liquidambar styraciflua</i> <i>Malus</i> x 'Royalty' <i>Tilia cordata</i> 'Greenspire'	<i>Acer platanoides</i> <i>Acer rubrum</i> <i>Acer saccharum</i> <i>Cercis canadensis</i> <i>Liquidambar styraciflua</i> <i>Malus</i> spp. <i>Tilia cordata</i>
South	<i>Acer saccharinum</i> <i>Acer saccharum</i> <i>Koelreuteria paniculata</i> <i>Malus</i> x 'Radiant' ^a <i>Prunus serrulata</i> 'Kwansan'	<i>Acer saccharinum</i> <i>Koelreuteria paniculata</i> <i>Prunus serrulata</i>

^aBetween 1980 and 1983.

Table 45.—Taxon and species among the 10 most popular in 1986 whose popularity increased significantly between 1980 and 1986, by region (chi-square test, $\alpha=0.05$)

Region	Taxon	Species
North Central	<i>Crataegus phaenopyrum</i> <i>Malus</i> x 'Snowdrift'	<i>Fraxinus pennsylvanica</i>
West	<i>Acer platanoides</i> 'Emerald Queen' <i>Tilia americana</i> 'Redmond' <i>Tilia cordata</i>	

Scientific and Common Names of Taxon Analyzed

Scientific name	Common name
<i>Acer buergerianum</i>	Trident maple
<i>Acer campestre</i>	Hedge maple
<i>Acer x freemanii</i> 'Autumn Blaze'	Autumn Blaze maple
<i>Acer ginnala</i>	Amur maple
<i>Acer negundo</i> ^a	Boxelder
<i>Acer nigrum</i>	Black maple
<i>Acer palmatum</i> ^a	Japanese maple
<i>Acer platanoides</i>	Norway maple
<i>Acer platanoides</i> 'Almira' ^c	Almira Norway maple
<i>Acer platanoides</i> 'Cleveland'	Cleveland Norway maple
<i>Acer platanoides</i> 'Columnare'	Columnar Norway maple
<i>Acer platanoides</i> 'Crimson King'	Crimson King Norway maple
<i>Acer platanoides</i> 'Emerald Queen'	Emerald Queen Norway maple
<i>Acer platanoides</i> 'Globosum'	Globosum Norway maple
<i>Acer platanoides</i> 'Greenlace' ^c	Greenlace Norway maple
<i>Acer platanoides</i> 'Jade Glen'	Jade Glen Norway maple
<i>Acer platanoides</i> 'Olmsted'	Olmsted Norway maple
<i>Acer platanoides</i> 'Royal Red'	Royal Red Norway maple
<i>Acer platanoides</i> 'Scanlon' ^{ac}	Scanlon Norway maple
<i>Acer platanoides</i> 'Schwedler' ^{ab}	Schwedler Norway maple
<i>Acer platanoides</i> 'Summershade'	Summershade Norway maple
<i>Acer platanoides</i> 'Superform'	Superform Norway maple
<i>Acer pseudoplatanus</i>	Planetree maple
<i>Acer rubrum</i>	Red maple
<i>Acer rubrum</i> 'Armstrong'	Armstrong red maple
<i>Acer rubrum</i> 'Autumn Flame'	Autumn Flame red maple
<i>Acer rubrum</i> 'Autumn Glory'	Autumn Glory red maple
<i>Acer rubrum</i> 'Bowhall'	Bowhall red maple
<i>Acer rubrum</i> 'Columnare'	Columnar red maple
<i>Acer rubrum</i> 'Doric'	Doric red maple
<i>Acer rubrum</i> 'Gerling' ^c	Gerling red maple
<i>Acer rubrum</i> 'Northwood' ^{ab}	Northwood red maple
<i>Acer rubrum</i> 'October Glory'	October Glory red maple
<i>Acer rubrum</i> 'Red Sunset'	Red Sunset red maple
<i>Acer rubrum</i> 'Scanlon' ^{ac}	Scanlon red maple
<i>Acer rubrum</i> 'Scarlet Sentinel' ^{ab}	Scarlet Sentinel red maple
<i>Acer rubrum</i> 'Schlesinger'	Schlesinger red maple
<i>Acer rubrum</i> 'Tilford'	Tilford red maple
<i>Acer saccharinum</i>	Silver maple
<i>Acer saccharinum</i> 'Silver Queen' ^{ab}	Silver Queen silver maple
<i>Acer saccharum</i>	Sugar maple
<i>Acer saccharum</i> 'Columnare'	Columnar sugar maple
<i>Acer saccharum</i> 'Globosum'	Globosum sugar maple
<i>Acer saccharum</i> 'Green Mountain'	Green Mountain sugar maple
<i>Acer saccharum</i> 'Legacy' ^{ab}	Legacy sugar maple
<i>Acer saccharum</i> 'Sweet Shadow'	Sweet Shadow sugar maple
<i>Acer saccharum</i> 'Temple's Upright' ^c	Temple's upright sugar maple
<i>Aesculus glabra</i> ^a	Ohio buckeye
<i>Aesculus hippocastanum</i> ^{ab}	Common horsechestnut
<i>Aesculus octandra</i> ^a	Yellow buckeye
<i>Alnus glutinosa</i> ^a	European alder
<i>Alnus glutinosa</i> 'Pyramidalis' ^{ab}	Pyramidal European alder
<i>Amelanchier x grandiflora</i>	Apple serviceberry
<i>Amelanchier laevis</i>	Allegheny serviceberry
<i>Betula nigra</i>	River birch

(continued on page 42)

Scientific and common names (cont.)

Scientific name

Common name

<i>Betula nigra</i> 'Heritage' ^a	Heritage river birch
<i>Betula platyphylla</i> ^{ab}	Asian white birch
<i>Betula platyphylla japonica</i> ^c	Japanese white birch
<i>Betula platyphylla szechuanica</i> ^c	Manchurian white birch
<i>Betula platyphylla</i> 'Whitespire' ^{ab}	Whitespire Asian white birch
<i>Carpinus betulus</i>	European hornbeam
<i>Carpinus betulus</i> 'Fastigiata'	Fastigate European hornbeam
<i>Carpinus betulus</i> 'Pyramid' ^c	Pyramidal European hornbeam
<i>Castanea mollissima</i> ^a	Chinese chestnut
<i>Celtis laevigata</i> ^a	Sugar hackberry
<i>Celtis occidentalis</i>	Common hackberry
<i>Cercidiphyllum japonicum</i>	Katsuratree
<i>Cercis canadensis</i>	Eastern redbud
<i>Cercis canadensis texensis</i> ^{ab}	Eastern redbud
<i>Cornus florida</i> ^a	Flowering dogwood
<i>Cornus kousa</i> ^a	Kousa dogwood
<i>Cornus mas</i> ^a	Cornelian cherry dogwood
<i>Cornus officinalis</i> ^a	Japanese cornel dogwood
<i>Corylus colurna</i>	Turkish filbert
<i>Crataegus crusgalli inermis</i> ^{ab}	Thornless cockspur hawthorn
<i>Crataegus intricata</i>	Thicket hawthorn
<i>Crataegus laevigata</i>	English hawthorn
<i>Crataegus laevigata</i> 'Autumn Glory' ^{bc}	Autumn Glory English hawthorn
<i>Crataegus laevigata</i> 'Crimson Cloud' ^a	Crimson Cloud hawthorn
<i>Crataegus laevigata</i> 'Pauli'	Pauli scarlet hawthorn
<i>Crataegus x lavalleyi</i>	Lavalle hawthorn
<i>Crataegus mollis</i>	Downy hawthorn
<i>Crataegus nitida</i>	Glossy hawthorn
<i>Crataegus phaenopyrum</i>	Washington hawthorn
<i>Crataegus phaenopyrum</i> 'Tree Form' ^{bc}	Tree Form Washington hawthorn
<i>Crataegus prunifolia</i>	Plumleaf hawthorn
<i>Crataegus punctata</i>	Dotted hawthorn
<i>Crataegus punctata</i> 'Ohio Pioneer'	Ohio Pioneer dotted hawthorn
<i>Crataegus viridis</i> 'Winter King'	Winter King green hawthorn
<i>Elaeagnus angustifolia</i>	Russian-olive
<i>Eucommia ulmoides</i>	Hardy rubber tree
<i>Euonymus bungeana</i>	Winterberry euonymus
<i>Fagus sylvatica</i> ^a	European beech
<i>Fagus sylvatica</i> 'Dawyck'	Dawyck European beech
<i>Fraxinus americana</i>	White ash
<i>Fraxinus americana</i> 'Autumn Applause' ^{ab}	Autumn Applause white ash
<i>Fraxinus americana</i> 'Autumn Purple'	Autumn Purple white ash
<i>Fraxinus americana</i> 'Hillcrest' ^b	Hillcrest white ash
<i>Fraxinus americana</i> 'Rosehill' ^c	Rosehill white ash
<i>Fraxinus americana</i> 'Skyline' ^{ab}	Skyline white ash
<i>Fraxinus excelsior</i> 'Hessei'	Hessei European ash
<i>Fraxinus excelsior</i> 'Rancho' ^{bc}	Rancho European ash
<i>Fraxinus holotricha</i> 'Moraine'	Moraine ash
<i>Fraxinus pennsylvanica</i>	Green ash
<i>Fraxinus pennsylvanica</i> 'Marshall Seedless'	Marshall Seedless green ash
<i>Fraxinus pennsylvanica</i> 'Summit'	Summit green ash
<i>Fraxinus tomentosa</i>	Pumpkin ash
<i>Ginkgo biloba</i>	Ginkgo
<i>Ginkgo biloba</i> 'Autumn Gold'	Autumn Gold ginkgo
<i>Ginkgo biloba</i> 'Lakeview'	Lakeview ginkgo

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Scientific and common names (cont.)

Scientific name	Common name
<i>Ginkgo biloba</i> 'Sinclair'	Sinclair ginkgo
<i>Gleditsia triacanthos inermis</i>	Thornless honeylocust
<i>Gleditsia triacanthos</i> 'Imperial'	Imperial honeylocust
<i>Gleditsia triacanthos</i> 'Moraine'	Moraine honeylocust
<i>Gleditsia triacanthos</i> 'Shademaster'	Shademaster honeylocust
<i>Gleditsia triacanthos</i> 'Skyline'	Skyline honeylocust
<i>Gleditsia triacanthos</i> 'Sunburst'	Sunburst honeylocust
<i>Gymnocladus dioica</i>	Kentucky coffeetree
<i>Halesia carolina</i>	Carolina silverbell
<i>Ilex</i> x <i>attenuata</i> 'Fosteri' ^a	Foster's holly
<i>Koelreuteria paniculata</i>	Panicked goldenraintree
<i>Liquidambar styraciflua</i>	Sweetgum
<i>Liquidambar styraciflua</i> 'Festival'	Festival sweetgum
<i>Liquidambar styraciflua</i> 'Moraine'	Moraine sweetgum
<i>Liriodendron tulipifera</i> ^a	Tuliptree
<i>Maclura pomifera</i> ^a	Osage-orange
<i>Maclura pomifera inermis</i> ^{ab}	Thornless osage-orange
<i>Magnolia</i> x 'Galaxy' ^{ab}	Galaxy magnolia
<i>Magnolia grandiflora</i> ^a	Southern magnolia
<i>Magnolia</i> x <i>loebneri</i> 'Merrill' ^{ab}	Loebner magnolia
<i>Magnolia</i> x <i>soulangiana</i> ^a	Saucer magnolia
<i>Magnolia stellata</i> ^a	Star magnolia
<i>Malus</i> x 'Harvest Gold' ^{ab}	Harvest Gold crab apple
<i>Malus</i> x 'Radiant' ^c	Radiant crab apple
<i>Malus</i> x 'Red Jewel'	Red Jewel crab apple
<i>Malus</i> x 'Royal Ruby'	Royal Ruby crab apple
<i>Malus</i> x 'Royalty'	Royalty crab apple
<i>Malus</i> x 'Snowdrift'	Snowdrift crab apple
<i>Malus</i> x 'Sugar Tyme' ^{ab}	Sugar Tyme crab apple
<i>Malus</i> x 'Velvet Pillar' ^{ab}	Velvet Pillar crab apple
<i>Malus</i> x 'White Angel' ^c	White Angel crab apple
<i>Malus</i> x 'White Candle'	White Candle crab apple
<i>Malus sieboldi</i> zumi 'Calocarpa'	Redfruited redbud crab apple
<i>Malus spectabilis</i> 'Van Eseltine'	Van Eseltine crab apple
<i>Malus tschonoskii</i>	Tschonoski crab apple
<i>Metasequoia glyptostroboides</i> ^a	Dawn redwood
<i>Morus alba</i> ^a	White mulberry
<i>Morus alba</i> sterile ^a	Sterile white mulberry
<i>Morus rubra</i> ^a	Red mulberry
<i>Nyssa sylvatica</i>	Black tupelo
<i>Ostrya virginiana</i>	American hophornbeam
<i>Phellodendron amurense</i>	Amur corktree
<i>Pistachia chinensis</i> ^a	Chinese pistache
<i>Platanus</i> x <i>acerifolia</i>	London planetree
<i>Platanus</i> x <i>acerifolia</i> 'Bloodgood'	Bloodgood London planetree
<i>Prunus</i> x <i>blireiana</i>	Blireiana Plum
<i>Prunus sargentii</i>	Sargent cherry
<i>Prunus sargentii</i> 'Columnaris'	Columnar sargents cherry
<i>Prunus serrulata</i> 'Kwansan'	Kwanzan cherry
<i>Pyrus calleryana</i>	Callery pear
<i>Pyrus calleryana</i> 'Aristocrat'	Aristocrat callery pear
<i>Pyrus calleryana</i> 'Bradford'	Bradford callery pear
<i>Pyrus calleryana</i> 'Chanticleer'	Chanticleer callery pear
<i>Pyrus calleryana</i> 'Faurieri'	Faurieri callery pear
<i>Pyrus calleryana</i> 'Rancho'	Rancho callery pear

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Scientific and common names (cont.)

Scientific name	Common name
<i>Pyrus alleryana</i> 'Redspire' ^{ab}	Redspire callery pear
<i>Pyrus calleryana</i> 'Select' ^c	Select callery pear
<i>Pyrus alleryana</i> 'White House' ^{ab}	White House callery pear
<i>Quercus alba</i> ^a	White oak
<i>Quercus bicolor</i> ^a	Swamp white oak
<i>Quercus coccinea</i> ^a	Scarlet oak
<i>Quercus imbricaria</i>	Shingle oak
<i>Quercus macrocarpa</i> ^a	Burr oak
<i>Quercus nigra</i> ^a	Water oak
<i>Quercus palustris</i> ^a	Pin oak
<i>Quercus palustris</i> 'Sovereign' ^{bc}	Sovereign pin oak
<i>Quercus phellos</i> ^a	Willow oak
<i>Quercus robur</i>	English oak
<i>Quercus robur</i> 'Fastigiata'	Fastigate English oak
<i>Quercus rubra</i>	Red oak
<i>Quercus shumardi</i>	Shumard oak
<i>Quercus virginiana</i> ^a	Virginia live oak
<i>Robinia x ambigua decausneana</i> ^a	Pink flowered locust
<i>Robinia pseudoacacia</i> ^a	Black locust
<i>Sophora japonica</i> 'Regent' ^{bc}	Regent Japanese pagoda tree
<i>Sorbus aucuparia</i>	European mountain-ash
<i>Sorbus aucuparia</i> 'Cardinal'	Cardinal European mountain-ash
<i>Sorbus aucuparia</i> 'Wilson' ^b	Wilson European mountain-ash
<i>Sorbus x thuringiaca</i> ^a	Thuringiaca mountain-ash
<i>Sorbus x thuringiaca</i> 'Oak Leaf' ^a	Oak Leaf mountain-ash
<i>Sorbus tianshanica</i> ^a	Tianshanica mountain-ash
<i>Syringa reticulata</i>	Japanese tree lilac
<i>Taxodium distichum</i> ^a	Baldcypress
<i>Tilia americana</i>	American linden
<i>Tilia americana</i> 'Fastigiata' ^c	Upright American linden
<i>Tilia americana</i> 'Redmond'	Redmond linden
<i>Tilia cordata</i>	Littleleaf linden
<i>Tilia cordata</i> 'Bicentennial' ^b	Bicentennial littleleaf linden
<i>Tilia cordata</i> 'Chancellor'	Chancellor littleleaf linden
<i>Tilia cordata</i> 'Greenspire'	Greenspire littleleaf linden
<i>Tilia cordata</i> 'June Bride' ^{ab}	June Bride littleleaf linden
<i>Tilia cordata</i> 'Rancho'	Rancho littleleaf linden
<i>Tilia x euchlora</i>	Crimean linden
<i>Tilia x euchlora</i> 'Pallida' ^c	Pallida Crimean linden
<i>Tilia x europaea</i>	European linden
<i>Tilia x europaea</i> 'Pallida'	Pallida European linden
<i>Tilia mongolica</i>	Mongolian linden
<i>Tilia platyphyllos</i> 'Orebro'	Orebro big-leaf linden
<i>Tilia platyphyllos</i> 'Fastigiata' ^c	Upright big-leaf linden
<i>Tilia tomentosa</i>	Silver linden
<i>Ulmus x 'Homestead'</i> ^{ab}	Homestead elm
<i>Ulmus x 'Pioneer'</i> ^{ab}	Pioneer elm
<i>Ulmus x 'Urban Elm'</i>	Urban elm
<i>Ulmus americana</i> ^a	American elm
<i>Ulmus parvifolia</i> ^a	Chinese elm
<i>Zelkova serrata</i>	Japanese zelkova
<i>Zelkova serrata</i> 'Village Green'	Village Green Japanese maple

^aNot analyzed in 1980.

^bNot analyzed in 1983.

^cNot analyzed in 1986.

Nowak, David J.; Sydnor, T. Davis. 1992. **Popularity of tree species and cultivars in the United States.** Gen. Tech. Rep. NE-166. Radnor, PA: U.S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station. 44 p.

The America the Beautiful Act of 1990 proposes planting millions of trees in urban areas. Understanding what species have been planted in the recent past is important in guiding decisions on what trees should be planted today. A survey of what species and cultivars tree nurseries offer for sale was analyzed to indicate relative species and cultivar popularity in the United States by geographical region for 1980, 1983 and 1986. In all, 217 taxon (cultivars and noncultivated varieties) from 106 tree species were analyzed and ranked according to geographical and national popularity. Temporal changes in popularity were also analyzed. In 1986, the most popular taxon nationally were *Pyrus calleryana* 'Bradford', *Quercus palustris*, *Acer rubrum*, *Acer rubrum* 'Red Sunset' and *Fraxinus pennsylvanica* 'Marshall Seedless'.

Keywords: urban forestry, nursery, species composition, America the Beautiful Act