

ISA Rocky Mountain Chapter

Regional Plant Appraisal Committee (RPAC)

Plant Material Cost Summary – 2025 Update

The ISA-RMC Regional Plant Appraisal Committee (RPAC) conducts nursery price surveys every two years to provide regionally relevant cost data for use with the *Guide for Plant Appraisal* (9th and 10th Editions).

Process

Since the release of the 8th Edition of the Guide for Plant Appraisal, the ISA Rocky Mountain Chapter Appraisal Committee has maintained and provided regional plant appraisal pricing for use by Chapter members. Pricing is updated every two years using data collected from wholesale nurseries across the region. Participating nurseries supply information on current wholesale prices and availability, as well as their top-selling shade, ornamental, and evergreen trees. The percent change in cost since the previous update is then calculated and applied across broader species categories. For consistency with regional industry practices, tree categories and size classes are based on the 2011 ISA Rocky Mountain Chapter Species Rating and Appraisal Factors Guide and include Shade (2 ½”), Ornamental (2”), and Evergreen (3 ½”).

2025 Findings

- Shade tree prices increased by 10–20% since 2021.
- Ornamentals showed greater volatility, with some species sharply increasing.
- Conifers continued trending upward, with availability remaining a challenge.
- New Mexico and Wyoming data remain inconclusive due to limited wholesale production.

Notes for Appraisers

This document has been developed for use with both the 9th and 10th Editions of the Guide for Plant Appraisal. These cost figures are averages intended for use in standard appraisal practice. If an assignment requires more precise costs, appraisers should follow the guidance on pages 58–59 of the 9th Edition and Appendix 4 of the 10th Edition.

The attached document provides regionally relevant cost information for appraisers and may be used until the next scheduled update.

Prepared by the ISA-RMC Regional Plant Appraisal Committee (2025)

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Genus	Species	Common Name	Trunk Caliper	Sq Inches	2025 Unit Cost	Species Rating	Replacement Tree Cost (2025)	Install Cost 2025 X 2.5	Install Cost 2025 X 3
Abies	concolor	White Fir	3.5	9.6	\$53	75-95%	\$511	\$1,277	\$1,532
Abies	lasiocarpa	Subalpine Fir	3.5	9.6	\$37	50-70%	\$359	\$898	\$1,077
Acer	ginnala	Amur Maple	2	3.1	\$138	65-85%	\$429	\$1,073	\$1,288
Acer	glabrum	Rocky Mountain Maple	2	3.1	\$136	70-90%	\$421	\$1,052	\$1,263
Acer	grandidentatum	Bigtooth Maple	2	3.1	\$143	70-90%	\$444	\$1,111	\$1,333
Acer	griseum	Paperbark Maple	2	3.1	\$151	50-70%	\$468	\$1,170	\$1,403
Acer	miyabei 'Morton'	State Street Maple	2.5	4.9	\$85	60-80%	\$417	\$1,043	\$1,252
Acer	negundo	Boxelder	2.5	4.9	\$72	40-60%	\$352	\$881	\$1,057
Acer	platanoides	Norway Maple	2.5	4.9	\$86	65-85%	\$422	\$1,055	\$1,265
Acer	rubrum	Red Maple	2.5	4.9	\$82	50-70%	\$402	\$1,006	\$1,207
Acer	saccharinum	Silver Maple	2.5	4.9	\$82	55-75%	\$401	\$1,003	\$1,204
Acer	saccharum	Sugar Maple	2.5	4.9	\$86	55-75%	\$422	\$1,055	\$1,265
Acer	tataricum	Tatarian Maple	2	3.1	\$143	65-85%	\$443	\$1,107	\$1,329
Acer	truncatum	Shantung Maple	2	3.1	\$116	55-75%	\$360	\$900	\$1,081
Acer	x freemanii	Autumn Blaze Maple	2.5	4.9	\$76	40-70%	\$371	\$926	\$1,112

Aesculus	glabra	Ohio Buckeye	2.5	4.9	\$91	70-90%	\$446	\$1,114	\$1,337
Aesculus	hippocastanum	Horsechestnut	2.5	4.9	\$89	70-90%	\$434	\$1,086	\$1,303
Amelanchier	spp	Serviceberry	2	3.1	\$148	65-85%	\$460	\$1,149	\$1,379
Betula	spp	Birch	2.5	4.9	\$101	65-85%	\$497	\$1,242	\$1,490
Caragana	arborescens	Siberian Peashrub	2	3.1	\$114	60-80%	\$352	\$880	\$1,056
Carpinus	spp	Hornbeam	2.5	4.9	\$92	60-80%	\$451	\$1,129	\$1,354
Catalpa	spp	Catalpa	2.5	4.9	\$76	55-75%	\$374	\$935	\$1,122
Celtis	occidentalis	Hackberry	2.5	4.9	\$81	70-90%	\$399	\$998	\$1,197
Cercis	spp	Redbud	2	3.1	\$136	60-80%	\$421	\$1,052	\$1,263
Cladrastis	kentukea	American Yellowwood	2.5	4.9	\$95	65-85%	\$467	\$1,169	\$1,402
Cornus	spp	Dogwood	2	3.1	\$146	55-75%	\$451	\$1,128	\$1,354
Corylus	colurna	Turkish Hazelnut	2.5	4.9	\$95	70-90%	\$467	\$1,169	\$1,402
Crataegus	spp	Hawthorn	2	3.1	\$138	70-90%	\$429	\$1,073	\$1,288
Fagus	spp	Beech	2.5	4.9	\$119	65-85%	\$581	\$1,452	\$1,743
Fraxinus	spp	Ash	2.5	4.9	\$65	45-65%	\$318	\$795	\$954
Ginkgo	biloba	Ginkgo	2.5	4.9	\$119	70-90%	\$583	\$1,456	\$1,748

Gleditsia	spp	Honeylocust	2.5	4.9	\$77	65-85%	\$377	\$943	\$1,132
Gymnocladus	dioicus	Kentucky Coffetree	2.5	4.9	\$82	75-95%	\$400	\$1,000	\$1,200
Hibiscus	syriacus	Rose of Sharon	2	3.1	\$148	60-80%	\$460	\$1,149	\$1,379
Juniperus	spp	Upright Juniper	2.5	4.9	\$70	55-75%	\$343	\$858	\$1,029
Liquidambar	styraciflua	Sweet Gum	2.5	4.9	\$85	45-65%	\$416	\$1,040	\$1,248
Liriodendron	tulipifera	Tuliptree	2.5	4.9	\$87	55-75%	\$428	\$1,069	\$1,283
Malus	spp	Apple/Crabapple	2	3.1	\$117	65-75%	\$363	\$907	\$1,089
Picea	abies	Norway Spruce	3.5	9.6	\$42	65-85%	\$402	\$1,006	\$1,207
Picea	engelmannii	Englemann Spruce	3.5	9.6	\$45	60-80%	\$433	\$1,083	\$1,300
Picea	glauca	White Spuce	3.5	9.6	\$48	75-95%	\$457	\$1,143	\$1,371
Picea	pungens var	Colorado Spruce	3.5	9.6	\$46	70-90%	\$439	\$1,097	\$1,317
Pinus	aristata	Bristlecone Pine	3.5	9.6	\$69	70-90%	\$667	\$1,667	\$2,001
Pinus	contorta	Lodgepole Pine	3.5	9.6	\$19	55-75%	\$182	\$456	\$547
Pinus	edulis	Pinyon Pine	3.5	9.6	\$37	65-85%	\$352	\$881	\$1,057
Pinus	flexilis	Limber Pine	3.5	9.6	\$41	65-85%	\$398	\$995	\$1,194
Pinus	leucodermis	Bosnian Pine	3.5	9.6	\$45	70-90%	\$431	\$1,077	\$1,293

Pinus	mugo	Mugo Pine	3.5	9.6	\$52	60-80%	\$502	\$1,254	\$1,505
Pinus	nigra	Austrian Pine	3.5	9.6	\$42	65-85%	\$406	\$1,015	\$1,218
Pinus	ponderosa	Ponderosa Pine	3.5	9.6	\$40	65-85%	\$381	\$952	\$1,142
Pinus	strobus	Eastern White Pine	3.5	9.6	\$45	60-80%	\$433	\$1,083	\$1,300
Pinus	strobiformis	Southwestern White Pine	3.5	9.6	\$43	70-90%	\$410	\$1,026	\$1,231
Pinus	sylvestris	Scotch Pine	3.5	9.6	\$44	65-85%	\$422	\$1,055	\$1,265
Pistacia	chinensis	Chinese Pistache	2.5	4.9	\$52	65-85%	\$257	\$641	\$770
Platanus	x acerifolia	London Planetree	2.5	4.9	\$73	65-85%	\$357	\$892	\$1,070
Populus	acuminata	Lanceleaf Cottonwood	2.5	4.9	\$63	50-70%	\$309	\$772	\$927
Populus	angustifolia	Narrowleaf Cottonwood	2.5	4.9	\$60	45-65%	\$292	\$730	\$876
Populus	deltoides	Rio Grande Cottonwood	2.5	4.9	\$60	50-70%	\$296	\$741	\$889
Populus	fremontii var	Fremont Cottonwood	2.5	4.9	\$60	50-70%	\$296	\$741	\$889
Populus	nigra	Lombardy Poplar	2.5	4.9	\$57	30-50%	\$279	\$698	\$838
Populus	sargentii	Plains Cottonwood	2.5	4.9	\$57	60-80%	\$280	\$701	\$841
Populus	tremula	Swedish Aspen	2.5	4.9	\$71	50-70%	\$347	\$866	\$1,040
Populus	tremuloides	Quaking Aspen	2.5	4.9	\$57	45-65%	\$280	\$701	\$841

Prunus	spp	Apricot	2	3.1	\$120	55-75%	\$373	\$932	\$1,118
Prunus	spp	Cherry	2	3.1	\$125	65-85%	\$388	\$969	\$1,163
Prunus	spp	Peach	2	3.1	\$128	50-70%	\$396	\$990	\$1,188
Prunus	spp	Plum	2	3.1	\$116	50-70%	\$360	\$900	\$1,081
Prunus	americana	American Plum	2	3.1	\$125	55-75%	\$386	\$966	\$1,159
Prunus	cerasifera	Cherry Plum	2	3.1	\$113	50-70%	\$349	\$873	\$1,047
Prunus	maackii	Amur Chokecherry	2	3.1	\$117	60-80%	\$363	\$907	\$1,089
Prunus	padus	European Bird Cherry	2	3.1	\$118	65-85%	\$367	\$918	\$1,101
Prunus	virginiana	Western Chokecherry	2	3.1	\$111	55-75%	\$344	\$859	\$1,031
Pseudotsuga	menziesii	Douglasfir	3.5	9.6	\$34	65-85%	\$331	\$827	\$992
Pyrus	calleryana	Ornamental Pear	2.5	4.9	\$94	60-80%	\$460	\$1,149	\$1,379
Pyrus	communis	Fruiting Pear	2.5	4.9	\$81	55-75%	\$396	\$990	\$1,188
Quercus	alba	White Oak	2.5	4.9	\$92	65-85%	\$450	\$1,126	\$1,351
Quercus	bicolor	Swamp White Oak	2.5	4.9	\$88	70-90%	\$430	\$1,074	\$1,289
Quercus	buckleyi	Texas Red Oak	2.5	4.9	\$76	65-85%	\$371	\$926	\$1,112
Quercus	coccinea	Scarlet Oak	2.5	4.9	\$90	55-75%	\$442	\$1,106	\$1,327

Quercus	<i>gambelii</i> Nutt	Gambel Oak	2	3.1	\$99	65-85%	\$308	\$770	\$923
Quercus	<i>macrocarpa</i>	Bur Oak	2.5	4.9	\$83	75-95%	\$408	\$1,020	\$1,224
Quercus	<i>muehlenbergii</i>	Chinkapin Oak	2.5	4.9	\$82	70-90%	\$401	\$1,003	\$1,204
Quercus	<i>robur</i>	English Oak	2.5	4.9	\$89	75-95%	\$434	\$1,086	\$1,303
Quercus	<i>rubra</i>	Northern Red Oak	2.5	4.9	\$89	70-90%	\$437	\$1,092	\$1,310
Quercus	<i>shumardii</i>	Shumard Oak	2.5	4.9	\$81	PT.Cost	\$398	\$995	\$1,194
Quercus	x	Hybrid Oak	2.5	4.9	\$87	60-80%	\$425	\$1,063	\$1,276
Robinia	<i>pseudoacacia</i>	Black Locust	2.5	4.9	\$80	33-55%	\$393	\$983	\$1,180
Salix	spp	Willow	2.5	4.9	\$71	40-70%	\$347	\$866	\$1,040
Salix	x	Hybrid Willow	2.5	4.9	\$76	50-60%	\$374	\$935	\$1,122
Sorbus	<i>aucuparia</i>	European Mountain Ash	2	3.1	\$115	50-70%	\$357	\$894	\$1,072
Styphnolobium	<i>japonicum</i>	Japanese Pagoda Tree	2.5	4.9	\$82	60-80%	\$400	\$1,001	\$1,201
Syringa	spp	Tree Lilac	2	3.1	\$95	65-85%	\$294	\$735	\$882
Tilia	<i>americana</i>	American Linden	2.5	4.9	\$85	70-90%	\$416	\$1,040	\$1,248
Tilia	<i>cordata</i>	Littleleaf Linden	2.5	4.9	\$83	65-75%	\$408	\$1,020	\$1,224
Ulmus	<i>americana</i>	American Elm	2.5	4.9	\$74	65-85%	\$360	\$901	\$1,081

Ulmus	x	Hybrid Elm	2.5	4.9	\$74	60-80%	\$474	\$1,186	\$1,423
Zelkova	serrata	Japanese Zelkova	2.5	4.9	\$74	60-80%	\$495	\$1,238	\$1,485

Genus - A group of plants within a family

Species - A group of plants within the Genus having characteristics different from other groups.

Common Name - Local name of the plant that may vary from other locations within the Chapter.

Height - Mature plant size in feet adopted from table 4.1, 10th Edition. Estimated sizes obtained from academia and/or nursery industry.

Species Rating - Percentage range to be used in rating a particular species growing within a geographic location. To be used only with the 9th Edition.

Tree Cost - average wholesale nursery cost of trees being sold within the Chapter.

Trunk Caliper - tree trunk size based on recommendations of RPAC. Ornamental trees 2", Shade trees 2.5", Evergreen trees 3.5".

Square inches - Square inch of individual caliper size used to determine the unit cost.

Unit Cost - Tree cost divided by square inches to determine unit cost.

Installation Cost - for use with the 9th Edition, page 70 or Installation Cost for use with the 10th Edition, page 85 (additional Costs). Displayed costs are based on 1.5 x Tree Cost. Current industry practice may be as low as 2x or as high as 3x tree cost. It is the appraiser's duty to determine local Installation Costs. Current information may be available from a local/regional nursery, landscape contractor or arborist.

Genus	Species	Common Name	USDA Code	Hardiness Zone	Tree Height	Height Class	Tree Type	Crown Size
Abies	concolor	White Fir	ABCOL	3-7	>50	Large	Evergreen	70x25
Abies	lasiocarpa	Subalpine Fir	ABLLA	5-6	>50	Large	Evergreen	70x25
Acer	ginnala	Amur Maple	ACGI	2-8	<30	Small	Ornamental	20x10
Acer	glabrum	Rocky Mountain Maple	ACGLG2	3-8	<30	Small	Ornamental	20x15
Acer	grandidentatum	Bigtooth Maple	ACGRG	5-8	<30	Small	Ornamental	25x25
Acer	griseum	Paperbark Maple	ACGR14	4-8	<30	Small	Ornamental	25x20
Acer	miyabi 'Morton'	State Street Maple		4-8	30-50	Medium	Shade	40x30
Acer	negundo	Boxelder	ACNEA	2-10	30-50	Medium	Shade	30x30
Acer	platanoides	Norway Maple	ACPL	3-7	30-50	Medium	Shade	50x50
Acer	rubrum	Red Maple	ACRU	3-9	30-50	Medium	Shade	50x30
Acer	saccharinum	Silver Maple	ACSA2	3-9	>50	Large	Shade	80x50
Acer	saccharum	Sugar Maple	ACSAS2	3-8	30-50	Medium	Shade	40x35
Acer	tataricum	Tatarian Maple	ACTA80	3-8	<30	Small	Ornamental	25x20
Acer	truncatum	Shantung Maple	ACTR	4-8	<30	Small	Ornamental	25x20
Acer	x freemanii	Autumn Blaze Maple	ACFR	3-7	30-50	Medium	Shade	40x30
Aesculus	glabra	Ohio Buckeye	AEGL	3-7	30-50	Medium	Shade	25x25
Aesculus	hippocastanum	Horsechestnut	AEHI	3-8	>50	Large	Shade	60x40
Amelanchier	spp	Serviceberry	AMELA	2-9	<30	Small	Ornamental	20x10
Betula	spp	Birch	BENI	4-6	30-50	Medium	Shade	40x30
Caragana	arborescens	Siberian Peashrub	CAAR18	2-7	<30	Small	Ornamental	15x12
Carpinus	spp	Hornbeam	CARE8	4-8	30-50	Medium	Shade	35x25

Genus	Species	Common Name	USDA Code	Hardiness Zone	Tree Height	Height Class	Tree Type	Crown Size
Celtis	occidentalis	Hackberry	CELTI	2-9	30-50	Medium	Shade	50x40
Cercis	spp	Redbud	CECAC	4-9	<30	Small	Ornamental	20x15
Cladrastus	kentukea	American Yellowwood	CLKE	4-8	30-50	Medium	Shade	40x40
Cornus	spp	Dogwood	CONU	5-8	<30	Small	Ornamental	20x20
Corylus	colurna	Turkish Hazelnut	COCO5	4-7	30-50	Medium	Shade	45x30
Crataegus	spp	Hawthorn	CRATA	3-8	<30	Small	Ornamental	20x15
Fagus	spp	Beech	FAGUS	4-7	30-50	Medium	Shade	50x30
Fraxinus	spp	Ash	FRAXI	4-7	30-50	Medium	Shade	50x40
Ginkgo	biloba	Ginkgo	GINKG	3-8	30-50	Medium	Shade	50x30
Gleditsia	spp	Honeylocust	GLTR	3-8	30-50	Medium	Shade	50x35
Gymnocladus	dioicus	Kentucky Coffetree	GYDI	3-8	30-50	Medium	Shade	50x30
Hibiscus	syriacus	Rose of Sharon	HISY	5-9	<30	Small	Ornamental	10x10
Juniperus	spp	Upright Juniper	JUCHS2	4-9	<30	Small	Shade	20x5
Liquidambar	styraciflua	Sweet Gum	LIST	5-9	>50	Large	Shade	55x30
Liriodendron	tulipifera	Tuliptree	LITU	4-9	>50	Large	Shade	55-40
Malus	spp	Apple/Crabapple	MALUS	3-9	<30	Small	Ornamental	20x20
Picea	abies	Norway Spruce	PIAB	3-7	30-50	Medium	Evergreen	50x30
Picea	engelmannii	Englemann Spruce	PIEN	2-5	>50	Large	Evergreen	60x25
Picea	glauca	White Spuce	PIGL	3-6	30-50	Medium	Evergreen	50x25
Picea	pungens var	Colorado Spruce	PIPU	2-7	>50	Large	Evergreen	60x25
Pinus	aristata	Bristlecone Pine	PIAR	4-7	30-50	Medium	Evergreen	30x15
Pinus	contorta	Lodgepole Pine	PICO	4-8	>50	Large	Evergreen	60x20
Pinus	edulis	Pinon Pine	PIED	5-8	<30	Small	Evergreen	25x15
Pinus	flexilis	Limber Pine	PIFL2	4-7	30-50	Medium	Evergreen	35x15
Picea	leucodermis	Bosnian Pine	PILE6	3-8	30-50	Medium	Evergreen	30x15
Pinus	mugo	Mugo Pine	PIMU80	2-7	<30	Small	Evergreen	15x15
Pinus	nigra	Austrian Pine	PINI	3-7	30-50	Medium	Evergreen	50x20
Pinus	ponderosa	Ponderosa Pine	PIPO	3-7	30-50	Medium	Evergreen	50x20

Genus	Species	Common Name	USDA Code	Hardiness Zone	Tree Height	Height Class	Tree Type	Crown Size
Pinus	strobus	Eastern White Pine	PIST	3-8	>50	Large	Evergreen	60x30
Pinus	strobiformis	Southwestern White Pine	PIST3	5-9	30-50	Medium	Evergreen	40-25
Pinus	sylvestris	Scots Pine	PISY	3-7	30-50	Medium	Evergreen	40x30
Pistacia	chinensis	Chinese Pistache	PICH4	6-9	30-50	Medium	Shade	30x30
Platanus	x acerifolia	London Planetree	PLAC2	5-9	>50	Large	Shade	55x30
Populus	acuminata	Lanceleaf Cottonwood	POAC5	3-9	>50	Large	Shade	55x30
Populus	angustifolia	Narrowleaf Cottonwood	POAN3	3-9	>50	Large	Shade	55x30
Populus	deltoides	Rio Grande Cottonwood	PODE3	3-9	>50	Large	Shade	80x30
Populus	fremont var	Fremont Cottonwood	POFR2	5-9	>50	Large	Shade	60x30
Populus	nigra	Lombardy Poplar	PONI	3-9	30-50	Medium	Shade	40x10
Populus	sargentii	Plains Cottonwood	PODEM	3-9	>50	Large	Shade	80x60
Populus	tremula	Swediash Aspen	POTR5	2-5	30-50	Medium	Shade	30x10
Populus	tremuloides	Quaking Aspen	POTR10	1-7	30-50	Medium	Shade	35x15
Prunus	spp	Apricot	PRAR3	5-8	<30	Small	Ornamental	20x20
Prunus	spp	Cherry	PRCE	4-9	<30	Small	Ornamental	20x20
Prunus	spp	Peach	PRPE3	5-9	<30	Small	Ornamental	20x20
Prunus	spp	Plum	PRUPU	4-9	<30	Small	Ornamental	25x25
Prunus	americana	American Plum	PRAM	3-8	<30	Small	Ornamental	12x12
Prunus	cerasifera	Cherry Plum	PRCE2	5-8	<30	Small	Ornamental	25x20
Prunus	maackii	Amur Chokecherry	PRMA9	3-6	<30	Small	Ornamental	25x20
Prunus	padus	European Bird Cherry	PROR	3-6	30-50	Medium	Ornamental	30x30
Prunus	virginiana	Western Chokecherry	PRVIV	4-9	<30	Small	Ornamental	25x20
Pseudotsuga	menziesii	Douglasfir	PSME	4-6	>50	Large	Evergreen	80x20
Pyrus	calleryana	Ornamental Pear	PYCA80	5-8	30-50	Medium	Shade	35x15
Pyrus	communis	Fruiting Pear	PYCO	5-8	<30	Small	Shade	15x12

Genus	Species	Common Name	USDA Code	Hardiness Zone	Tree Height	Height Class	Tree Type	Crown Size
Quercus	alba	White Oak	QUAL	3-9	30-50	Medium	Shade	45x45
Quercus	bicolor	Swamp White Oak	QUBI	4-8	>50	Large	Shade	55x40
Quercus	buckleyi	Texas Red Oak	QUBU2	5-9	>50	Large	Shade	55x40
Quercus	coccinea	Scarlet Oak	QUCO2	4-9	30-50	Medium	Shade	45x35
Quercus	gambelii Nutt	Gambel Oak	QUGA	3-9	<30	Small	Shade	15-12
Quercus	macrocarpa	Bur Oak	QUNA2	3-8	>50	Large	Shade	70x50
Quercus	muehlenbergii	Chinkapin Oak	QUMU	4-7	30-50	Medium	Shade	50x50
Quercus	robur	English Oak	QURO2	4-8	30-50	Medium	Shade	50x40
Quercus	rubra	Northern Red Oak	QURU	3-8	30-50	Medium	Shade	50x40
Quercus	shumardii	Shumard Oak	QUSH	5-8	30-50	Medium	Shade	50x40
Quercus	x	Hybrid Oak	multiple	4-8	30-50	Medium	Shade	50x40
Robinia	pseudoacacia	Black Locust	RCPS	4-8	30-50	Medium	Shade	50x25
Salix	spp	Willow	SALIX	4-8	30-50	Medium	Shade	40x30
Salix	x	Hybrid Willow	SAAL2	4-8	30-50	Medium	Shade	35x25
Sorbus	aucuparia	European Mountain Ash	SOAU	3-6	<30	Small	Onamental	25x20
Styphnolobium	japonicum	Japanese Pagoda Tree	SYREA	3-7	>50	Large	Shade	55x55
Syringa	spp	Tree Lilac	SYREA	3-7	<30	Small	Onamental	15x12
Tilia	americana	American Linden	TILIA	3-7	>50	Large	Shade	55x35
Tilia	cordata	Littleleaf Linden	TICO2	3-7	30-50	Medium	Shade	40x30
Ulmus	americana	American Elm	ULAM	3-9	>50	Large	Shade	60x50
Ulmus	x	Hybrid Elm	ULMUS	4-9	30-50	Medium	Shade	45x40
Zelkova	serrata	Japanese Zelkova	ZESE80	5-8	30-50	Medium	Shade	45x40

Genus - A group of plants within a family
Species - A group of plants within the Genus having characteristics different from other groups.
Common Name - Local name of the plant that may vary from other locations within the Chapter.
USDA Code - Individual species code for national use in identifying genus, species and varieties.
Hardiness Zone - Growing Zone for cold hardiness based on USDA Hardiness Zone maps.
Tree Height - <30 = Small, 30-50 = Medium, >50 Large. Use with Height Class.
Height Class - Mature plant size in feet. Arborist News article from CTLA. Estimated sizes obtained from academia
Tree Type - Ornamental, Shade or Evergreen designation for diameter size to determine unit cost.
Crown Size - Estimated mature tree height and crown width, obtained from academia and nursery industry.