

City of Thornton Deciduous Shrub List

Nomenclature		Characteristics					Uses					Specific	
Botanical Name	Common Name	Size Group	Water Demand (Kc)	Design Size (H'xW')	Salt Tolerant	Needs Protected Site	Median & Back of Curb	Back of Sidewalk	Parking Lot Islands	Drainages	Dry Uplands	Parks	Suggested Cultivars & Hybrids
Amelanchier alnifolia	Serviceberry	Large	Low	10x6			X	X	X		X	X	Regent
Amorpha canescens	Leadplant	Medium	Ultra Low	4x4							X		
Aronia melanocarpa var. elata	Black Chokeberry	Medium	Low	5x5			X	X	X		X	X	
Aronia melanocarpa 'Morton'	Iriquois Beauty Dwarf Black Chokeberry	Small	Low	3x3			X	X	X	X	X	X	Iriquois Beauty
Atriplex canescens	Four-Winged Saltbush	Medium	Ultra Low	4x4	X						X		
Berberis thunbergii	Japanese Barberry	Medium	Low	4x4			X	X	X		X	X	Crimson Pygmy, Atropurpurea, Golden Nugget, x Emerald Carousel
Buddleia davidii	Butterfly Bush	Medium	Moderate	5x5				X			X	X	
Buddleia alternifolia 'Argentea'	Alternate-Leaf Butterfly Bush	Large	Low	6x6				X			X	X	Argentea
Caragana arborescens	Siberian Peashrub	Large	Low	12x8	X						X		
Caryopteris x clandonensis	Blue Mist Spirea	Medium	Low	3x3			X	X	X		X	X	Dark Knight, First Choice
Ceratoides lanata	Winterfat	Small	Ultra Low	2x3	X						X		
Cercocarpus montanus	Mountain Mahogany	Medium	Low	4x4							X		
Chaenomeles speciosa	Flowering Quince	Medium	Ultra Low	4x4				X			X		Texas Scarlet
Cornus alba	Variiegated Dogwood	Medium	Moderate	5x5				X		X		X	Ivory Halo
Cornus sericea	Redtwig Dogwood	Large	Moderate	8x8				X		X		X	Isanti, Bailey, Cardinal
Cornus sericea 'Kelseyi'	Dwarf Redtwig Dogwood	Small	Moderate	2x2				X				X	Kelsey
Cotoneaster apiculatus	Cranberry Cotoneaster	Small	Low	4x4		X		X			X		
Cotoneaster divaricatus	Spreading Cotoneaster	Medium	Low	4x4			X	X	X		X	X	
Cotoneaster lucidus	Peking Cotoneaster	Large	Low	7x5				X			X	X	
Cotinus coggygria	Purple Smoke Tree	Large	Moderate	12x8				X				X	Royal Purple, Grace

Cytisus purgans	Scotch Broom	Medium	Ultra Low	5x5	X			X			X		
Daphne x burkwoodii	Carol Mackie Daphne	Medium	Moderate	4x4		X		X			X	Carol Mackie	
Ericameria nauseosa nauseosa speciosa (Chrysothamnus nauseosus albicaulis)	Tall Blue Rabbitbrush	Medium	Ultra Low	4x4	X		X	X	X		X		
Ericameria nauseosa nauseosa glabrata (Chrysothamnus nauseosus graveolens)	Tall Green Rabbitbrush	Medium	Ultra Low	4x4	X		X	X	X		X		
Ericameria nauseosa nauseosa nauseosa (Chrysothamnus nauseosus nauseosus)	Dwarf Blue Rabbitbrush	Small	Ultra Low	2x2	X		X	X	X		X	X	
Euonymus alatus	Burning Bush	Medium	Moderate	8x8				X			X	Compactus	
Fallugia paradoxa	Apache Plume	Medium	Ultra Low	4x4	X						X		
Forestiera neomexicana	New Mexico Privet	Large	Low	8x6				X			X	X	
Forsythia spp.	Garden Forsythia	Medium	Moderate	6x6	X			X				X	
Heptacodium miconioides	Seven Son Flower	Large	Moderate	10x10				X				X	
Hibiscus syriacus	Rose of Sharon	Large	Moderate	8x8				X			X	X	Diane, Red Heart
Hypericum frondosum	St. John's Wort	Small	Moderate	3x3				X			X	X	Sunburst
Kolkwitzia amabilis	Beauty Bush	Large	Low	12x12				X			X	X	
Ligustrum x vicaryi	Golden Vicary Privet	Medium	Moderate	4x4				X				X	
Ligustrum vulgare 'Lodense'	Lodense Privet	Small	Low	3x2			X	X	X		X	X	Lodense
Ligustrum vulgare 'Cheyenne'	Common Cheyenne Privet	Large	Low	8x4				X			X	X	Cheyenne
Lonicera involucrata	Twinberry Honeysuckle	Medium	Moderate	4x4				X			X	X	
Lonicera koralkowii	Blueleaf Honeysuckle	Medium	Low	8x8				X			X	X	
Lonicera tatarica	Tatarian Honeysuckle	Large	Low	8x6	X			X				X	
Lonicera xylosteum	Honeysuckle	Small	Low	3x4				X			X	X	Emerald Mound
Lonicera x xylosteoides	Clavey's Dwarf Honeysuckle	Medium	Low	5x5				X			X	X	Clavey's Dwarf
Perovskia atriplicifolia	Russian Sage	Medium	Ultra Low	5x5			X	X	X		X	X	
Philadelphus lewisii	Standard Mockorange	Large	Low	6x6	X			X			X	X	Blizzard, Cheyenne, x Snowbelle, x Bouquet Blanc, x Minn. Snowflake
Philadelphus microphyllus	Littleleaf Mockorange	Medium	Ultra Low	4x4				X			X	X	
Physocarpus opulifolius	Common Ninebark	Medium	Low	3x3				X			X	X	Darts Gold, Monlo, Nana, Summer Wine, Diablo
Potentilla fruticosa	Shrub Cinquefoil	Small	Low	3x3	X			X	X		X		Too many to list

Prunus americana	American Plum	Large	Moderate	10x8						X	X	X	
Prunus besseyi	Western Sandcherry	Medium	Low	4x4			X	X	X		X	X	Pawnee Buttes
Prunus x cistena	Cistena Plum	Medium	Moderate	6x6			X				X		
Prunus tenella	Dwarf Russian Almond	Small	Low	3x3			X				X	X	
Prunus tomentosa	Nanking Cherry	Large	Low	10x8			X	X	X		X	X	
Pyracantha angustifolia	Narrowleaf Firethorn	Medium	Low	6x6	X		X				X		Gnome, Yukon Belle
Pyracantha coccinea	Scarlet Firethorn	Medium	Low	6x6	X		X				X		Kasan, Lowboy, Wyatt
Quercus turbinella	Sonoran Scrub Oak	Large	Ultra Low	8x8			X				X	X	
Quercus undulata	Wavyleaf Oak	Large	Ultra Low	8x8			X				X	X	
Quercus prinoides	Dwarf Chinkapin Oak	Large	Low	8x8			X				X	X	
Rhamnus frangula	Tall Hedge Buckthorn	Large	Low	8x4	X		X	X	X		X	X	Columnaris, Asplenifolia, Fine Line
Rhamnus smithii	Smith's Buckthorn	Large	Low	6x10	X		X				X	X	
Rhus aromatica	Gro-Low Sumac	Small	Ultra Low	3x6			X	X	X		X	X	Gro-Low
Rhus glabra	Smooth Sumac	Large	Low	10x6	X						X		
Rhus glabra cismontana	Rocky Mountain Sumac	Small	Low	3x2	X		X	X	X		X	X	
Rhus trilobata	Three Leaf Sumac	Large	Ultra Low	4x4	X		X	X	X		X	X	
Rhus typhina	Staghorn Sumac	Large	Low	8x8	X		X				X	X	Laciniata, Tiger Eyes (multi-colored dwarf)
Ribes alpinum	Alpine Currant	Small	Low	3x3			X	X	X		X	X	Green Mound
Ribes aureum	Golden Currant	Medium	Low	5x5			X				X	X	
Ribes cereum	Wax Currant	Medium	Low	3x3			X	X			X	X	
Rosa x spp.	Shrub Rose	Medium	Moderate	3x3			X	X	X			X	Winnipeg Parks, Knock Outs
Rubus deliciosus	Boulder Raspberry	Medium	Low	4x4			X				X	X	
Salix exigua	Coyote Willow	Medium	Moderate	6x4	X					X			Native wet areas only
Salix irrorata	Blue Stem Willow	Medium	Moderate	4x4						X			Native wet areas only
Sambucus canadensis	Golden Elder	Large	Moderate	12x8						X			
Sambucus pubens	Native Elder	Large	Moderate	8x6						X			
Sambucus racemosa	European Red Elder	Large	Moderate	10x8						X			
Shepherdia argentea	Buffaloberry	Large	Low	8x8	X		X	X	X		X		
Sorbaria sorbifolia	Ural False Spirea	Large	Moderate	6x6			X		X	X	X	X	Sem (dwarf and better leaf color)
Spirea x bumalda	Bumald Spirea	Small	Moderate	2x2	X		X	X	X			X	Anthony Waterer, Froebellii,
Spiraea japonica	Japanese Spirea	Small	Moderate	3x3			X					X	Goldflame, Shirobana, Neon Flash
Spiraea nipponica	Snowmound Spirea	Small	Moderate	3x3			X					X	Snowmound

Spiraea trilobata	Fairy Queen Spirea	Medium	Moderate	3x3				X				X	Fairy Queen
Spiraea thunbergii 'Ogon'	Mellow Yellow Spirea	Medium	Low	3x5									Mellow Yellow
Spiraea x vanhouttei	Vanhoutte Spirea	Large	Moderate	6x6	X			X			X	X	Renaissance
Symphoricarpos albus	Snowberry	Medium	Low	5x5	X			X		X	X	X	
Symphoricarpos x chenaultii	Hancock Coralberry	Small	Low	3x5				X		X	X	X	Hancock
Symphoricarpos orbiculatus	Red Coralberry	Medium	Low	4x4				X		X	X	X	
Symphoricarpos oreophilus	Rocky Mountain Snowberry	Small	Low	3x3				X		X	X	X	
Syringa x hyacinthiflora	Hybrid Red Single Lilac	Large	Low	10x10	X		X	X	X		X	X	Pocahontas
Syringa meyeri	Dwarf Korean Lilac	Medium	Low	5x5			X	X	X		X	X	Palibin
Syringa patula	Miss Kim Dwarf Lilac	Medium	Low	4x4			X	X	X		X	X	Miss Kim
Syringa vulgaris	Common Lilac	Large	Moderate	8x8	X		X	X			X	X	
Viburnum burkwoodii	Burkwood Viburnum	Large	Moderate	6x6		X		X			X	X	
Viburnum carlesii	Koreanspice Viburnum	Medium	Moderate	4x4				X				X	
Viburnum dentatum	Arrowwood Viburnum	Large	Moderate	10x10				X				X	
Viburnum lantana	Wayfaring Tree Viburnum	Large	Low	10x10				X				X	Mohican
Viburnum lentago	Nannyberry	Large	Low	10x10				X				X	
Viburnum opulus	European Cranberry Viburnum	Medium	Moderate	4x4				X				X	
Viburnum prunifolium	Blackhaw Viburnum	Large	Low	10x10				X	X			X	
Viburnum trilobum	American Cranberry Viburnum	Medium	High	4x4				X				X	
Viburnum x rhytidophylloides	Lantanaphyllum Viburnum	Large	Moderate	8x8				X				X	Alleghany
Weigela florida	Weigela	Medium	Moderate	4x4				X				X	Wine & Roses, Midnight Wine, My Monet, Rumba

DEFINITIONS:

Needs Protected Site - Requires winter protection and extra attention.

Median & Back of Curb - Street medians and the area between the back of curb and the sidewalk. These plants have been chosen due to their tolerance of heat, salt and general urban conditions. Do not exceed an overall low water demand in these areas.

Back of Sidewalk - The area beginning at the sidewalk's edge and extending into the site. It is generally at least partially in the Right of Way. Most plants are suitable for this area.

Parking Lot Islands - The obvious landscape beds surrounded by a sea of pavement; but also any peninsulas or linear landscape beds that have parking, asphalt or concrete on two or more sides. Do not exceed an overall low water demand in these areas.

Drainages - Perennially wet areas of the landscape due to detention ponds and other drainage facilities. These plants can thrive in this environment.

Dry Uplands - These are mostly native grass areas, but are also found around the top of detention ponds. These plants may need to survive on limited to no irrigation established.

Parks - Our philosophy on parks is that they should offer different landscaping than the run of the mill yard or HOA tract. We encourage the use of unique, newly developed, generally special plant material to be showcased as a sort of small arboretum for the surrounding communities.



CS

Notes

B & B only; difficult to establish

Native only

Thorns; many sizes, shapes and colors; limit use due to overuse

Cut back in spring; short-lived in Thornton, limit use

Cut back in spring

Native only

Native only

Salt Intolerant

Difficult to establish, limit use

Difficult to establish

Very tough; does well in Thornton

Useful for screening

Not recommended for Thornton soils
Heat Intolerant; don't shear, limit use due to slow growth
Useful as hedge
Marginal hardiness, limit use
Useful as hedge
Useful as hedge
Useful as hedge; aphid and witch's broom issues
Very tough; does well in Thornton
Diablo is hardy
Spider mites can be a problem; overused, limit use

Native only
Pawnee Buttes is a good alternative to Junipers; also shorter and wider spreading than species
Very hardy; Intollerant to heavy pruning
Hard to find
Hard to find
Hard to find
Good alternative to Junipers
Suckering habit
Dwarf; suckering habit
Native seed areas only Suckering habit
Suckering habit
Too many to list
Thicket-forming
Suckering habit
Suckering habit
Thicket-forming; erosion control
Some have multi-colored foliage

Shade tolerant, good fall color
Thicket-forming; erosion control
Thicket-forming; erosion control
Thicket-forming; erosion control
Thicket-forming; erosion control
Blooms throughout entire shrub, fast growing
Semi-evergreen
Semi-evergreen
lt, saturated soil
for use in this
concrete on the
n after
sloped and just

City of Thornton Deciduous Tree Lists

Nomenclature		Characteristics					Uses					Specifics		
Botanical Name	Common Name	Size Group	Water Demand (Kc)	Design Size (H'xW')	Salt Tolerant	Needs Protected Site	Median & Back of Curb	Back of Sidewalk	Parking Lot Islands	Drainages	Dry Uplands	Parks	Suggested Cultivars & Hybrids	Notes
Acer x freemanii	Freeman's Maple (i.e. 'Autumn Blaze')	Shade	Moderate	30x35				X						No Cultivars Permitted in Development Project Landscapes (example: 'Autumn Blaze', 'Autumn Fantasy', 'Sienna Glen' and 'Celebration')
Acer campestre	Hedge Maple	Shade	Moderate	25x25	X			X				X		
Acer ginnala	Ginnala (Amur) Maple	Ornamental	Low	15x15	X		X	X	X		X	X		Chlorosis issues use sparingly
Acer glabrum	Rocky Mountain Maple	Ornamental	Low	10x8			X	X	X		X	X		
Acer grandidentatum	Wasatch Maple	Ornamental	Low	20x15	X		X	X	X		X	X	Rocky Mountain Glow, Manzano	
Acer griseum	Paperbark Maple	Ornamental	Moderate	15x20				X				X		
Acer miyabei	Miyabe Maple	Shade	Moderate	25x20				X				X	State Street, Rugged Ridge	Unique, thick bark resists frost cracking
Acer negundo*	Sensation Box Elder	Shade	Low	40x30	X			X		X	X	X	Sensation	
Acer platanoides	Norway Maple	Shade	Moderate	30x35	X		X	X				X	Emerald Queen, Hybrids - Norwegian Sunset, Pacific Sunset	Emerald Queen is very tough; Purple leaf varieties do not do well so do not use
Acer rubrum	Red Maple	Shade	Moderate	40x30				X				X	Red Sunset	
Acer saccharum	Sugar Maple	Shade	Moderate	50x30				X				X	Legacy, Green Mountain, Fall Fiesta	
Acer tataricum*	Tatarian Maple	Ornamental	Low	15x15	X		X	X	X		X	X	Hot Wings, Pattern Perfect, Rugged Charm	Hot Wings is outstanding in Thornton...better choice than ginnala
Aesculus glabra	Ohio Buckeye	Shade	Moderate	30x35								X		Tough to transplant
Aesculus hippocastanum	Horse Chestnut	Shade	Moderate	30x35	X			X				X		

Amelanchier canadensis	Shadblow Serviceberry	Ornamental	Moderate	20x15	X					X		X		Difficult to establish
Amelanchier grandiflora	Apple Serviceberry	Ornamental	Moderate	15x15	X			X		X		X	Autumn Brilliance	Difficult to establish
Betula occidentalis	Western River Birch	Ornamental	High	15x15						X				Comes in clump form
Carpinus betula	European Hornbeam	Shade	Moderate	25x15		X						X		
Carpinus caroliniana	American Hornbeam	Ornamental	Moderate	12x12				X				X		
Catalpa speciosa	Western Catalpa	Shade	Low	40x20	X			X	X			X	X	Not in medians due to fruit
Celtis occidentalis	Hackberry	Shade	Low	35x30	X		X	X	X			X	X	
Cercidiphyllum japonicum	Katsuratree	Ornamental	Moderate	20x20		X		X				X	use the species until varieties are proven	Not proven in Thornton
Cercis canadensis	Eastern Redbud	Ornamental	Moderate	20x20		X		X				X		
Cladrastis kentukea	Yellowwood	Shade	Moderate	30x30				X				X		Limited availability
Cornus alternifolia	Pagoda Dogwood	Ornamental	Moderate	20x15		X		X				X		Needs good soil; Part sun to shade
Cornus mas	Cornelian Cherry Dogwood	Ornamental	Moderate	15x10				X				X		
Corylus colurna	Turkish Filbert	Shade	Low	35x25			X	X	X			X	X	Transplants poorly
Cotinus obovatus	American Smoketree	Ornamental	Moderate	15x15				X				X		
Crataegus ambigua	Russian Hawthorn	Ornamental	Ultra Low	15x20	X		X	X	X			X	X	Very tough, has thorns
Crataegus crus-galli inermis	Thornless Cockspur Hawthorn	Ornamental	Low	12x10	X		X	X	X			X	X	
Crataegus laevigata	English Hawthorn	Ornamental	Low	18x12			X	X	X			X	Crimson Cloud	Thorns
Crataegus mollis	Downy Hawthorn	Ornamental	Low	25x25			X	X	X			X	X	Thorns
Crataegus phaenopyrum	Washington Hawthorn	Ornamental	Low	15x12	X		X	X	X			X	X	Thorns
Crataegus viridis	Winter King Hawthorn	Ornamental	Low	12x15	X		X	X	X			X	X	Winter King
Crataegus x carrierei	Lavalle Hawthorn	Ornamental	Ultra Low	15x15	X		X	X	X			X		Very tough; persistant red fruit
Euonymus europaeus	Common Spindletree	Ornamental	Low	15x15	X							X		
Fraxinus americana	White Ash	Shade	Low	40x30	X		X	X	X			X		PROHIBITED - EAB
Fraxinus mandshurica	Mancana Ash	Shade	Moderate	40x20	X			X				X		PROHIBITED - EAB
Fraxinus nigra 'Fallgold'	Fallgold Ash	Shade	Low	40x20	X			X				X		PROHIBITED - EAB
Fraxinus pennsylvanica	Green Ash	Shade	Low	40x25	X			X				X	X	PROHIBITED - EAB
Gleditsia triacanthos inermis	Thornless Honeylocust	Shade	Low	35x30	X		X	X	X			X	X	Do not use in irrigated turf - well drained beds only
Gymnocladus dioicus	Kentucky Coffeetree	Shade	Ultra Low	45x35	X		X	X	X			X	X	Slow to establish
Juglans nigra	Black Walnut	Shade	Low	30x30								X		PROHIBITED - 1000 canker disease
Koelreuteria paniculata	Goldenrain Tree	Ornamental	Low	20x20	X		X	X	X			X	X	
Malus spp.	Crabapple	Ornamental	Moderate	15x15	X		X	X				X		Use any Crab listed on CSU's disease resistant list except 'Prairiefire' due to poor form and hardiness
Ostrya virginiana	American Hophornbeam	Ornamental	Low	40x20	X		X	X	X			X		

Parrotia persica	Persian Parrotia	Ornamental	Low	25x15		X	X	X	X			X		Difficult to find; not proven
Phellodendron amurense	Amur Corktree	Shade	Moderate	30x30				X				X		
Platanus x acerifolia	London Planetree	Shade	Moderate	50x40				X				X	Bloodgood, Exclamation	May have anthracnose issues in wet springs
Populus x acuminata	Lanceleaf Cottonwood	Shade	Moderate	60x20						X	X	X		Not within 25 ft. of ROW
Populus sargentii	Plains Cottonwood	Shade	Moderate	60x40						X	X	X	Jeronimus, Highland	Not within 25 ft. of ROW
Populus tremula erecta	Swedish Columnar Aspen	Shade	Moderate	40x10	X			X				X	Erecta	
Populus tremuloides	Prairie Gold Aspen	Shade	Moderate	25x15	X			X				X	Prairie Gold only	Pest resistant selection from Nebraska
Prunus americana	American Wild Plum	Ornamental	Ultra Low	10x8								X		Thicket-forming; thorny; native areas only
Prunus ceracifera	Purple-leaf Plum	Ornamental	Moderate	15x15				X				X	Newport, Crimson Pointe	Limit to 5%; borers
Prunus nigra	Princess Kay Plum	Ornamental	Moderate	18x12				X				X	Princess Kay	Limit to 5%; borers
Prunus virginiana	Native Choke Cherry	Ornamental	Low	15x10	X					X	X		No Shubert	Suckering habit
Pyrus calleryana	Callery Pear	Ornamental	Low	20x15	X		X	X	X			X	X	Chanticleer, Autumn Blaze
Pyrus fauriei	Korean Sun Pear	Ornamental	Low	12x12	X		X	X	X			X	Korean Sun	
Pyrus ussuriensis	Ussurain Pear	Shade	Low	20x15	X		X	X	X			X	Prairie Gem	
Quercus acutissima	Sawtooth Oak	Shade	Moderate	45x35				X				X		Difficult to find; Not proven in Thornton
Quercus alba	White Oak	Shade	Low	50x35	X			X				X		Difficult to find
Quercus alba x robur	Crimson Spire Oak	Ornamental	Low	35x12	X		X	X	X			X	Crimson Spire	Best upright oak
Quercus bicolor	Swamp White Oak	Shade	Low	50x35	X			X		X		X		Chlorosis issues use sparingly
Quercus x bimundorum	Prairie Stature Oak	Shade	Low	50x35	X		X	X	X			X	X	Difficult to find; Quercus robur x alba
Quercus buckleyi	Texas Red Oak	Shade	Low	50x35	X		X	X	X			X	X	aka - Q. texana
Quercus coccinea	Scarlet Oak	Shade	Moderate	50x35				X	X	X		X		Better in Thornton than Q. rubra; needs good soil.
Quercus gambelii	Gamble Oak	Ornamental	Ultra Low	15x10	X							X	X	Transplant issues
Quercus imbricaria	Shingle Oak	Shade	Moderate	50x35				X				X		Difficult to find but does well in Thornton
Quercus macrocarpa	Bur Oak	Shade	Low	50x35	X		X	X	X			X	X	Bullet Wasp galls; transplant issues
Quercus x macdanielii	Heritage Oak	Shade	Low	50x35	X		X	X	X			X	X	Difficult to find; Quercus robur x macrocarpa
Quercus muehlenbergii	Chinkapin Oak	Shade	Low	50x35	X		X	X	X			X	X	Proven tough in Thornton
Quercus robur	English Oak	Shade	Low	50x35	X		X	X	X			X	Skymaster	Best oak for ROW; Proven tough in Thornton
Quercus robur x bicolor	Regal Prince Oak	Ornamental	Low	45x18	X		X	X	X			X	Regal Prince	
Quercus rubra	Red Oak	Shade	Moderate	50x35	X		X	X	X			X		Chlorosis issues usse sparingly
Salix amygdaloides	Peachleaf Willow	Shade	High	50x35						X				Wet, native only

Salix 'Prairie Cascade'	Prairie Cascade Willow	Shade	High	35x35						X			Prairie Cascade	Salix alba var. Tristis x pentandra, hardy	
Sophora japonica	Japanese Pagodatree	Shade	Moderate	35X30	X			X				X			
Sorbus aucuparia	European Mountain Ash	Ornamental	Moderate	20x15		X		X				X	Cardinal Royal	Sensitive to heavy soils, salt and fireblight	
Sorbus intermedia	Swedish Whitebeam	Ornamental	Moderate	20x20				X				X			
Syringa pekinensis	Pekin Lilac	Ornamental	Low	15x15	X		X	X	X			X	China Snow, Beijing Gold, Summer Charm		
Syringa reticulata	Japanese Tree Lilac	Ornamental	Low	20x15	X			X				X	Ivory Silk	Difficult to establish	
Tilia americana	American Linden	Shade	Moderate	40x30				X				X	Legend	Salt sensitive	
Tilia cordata	Littleleaf Linden	Shade	Moderate	40x30				X				X	Greenspire	Salt sensitive	
Tilia cordata x mongolica	Harvest Gold Linden	Shade	Moderate	40x30				X				X	Harvest Gold	Salt sensitive	
Tilia tomentosa	Silver Linden	Shade	Moderate	40x30				X				X	Sterling	Salt sensitive	
Ulmus americana	American Elm	Shade	Moderate	50x35	X		X	X	X			X	X	New Harmony, Princeton	Use Dutch Elm Disease Resistant Only
Ulmus x spp.	Hybrid Elms	Shade	Low	50x25				X				X	Accolade, Commendation, Homestead, Prospector, Triumph, Denada Charm	Many disease resistant hybrids of various parentage	
Xanthoceras sorbifolium	Golden Yellowhorn	Ornamental	Low	18x12				X				X	X	Clear Creek	

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City of Thornton Evergreen Tree List

Nomenclature		Characteristics					Uses					Specifics		
Botanical Name	Common Name	Size Group	Water Demand (Kc)	Design Size (H'xW')	Salt Tolerant	Needs Protected Site	Median & Back of Curb	Back of Sidewalk	Parking Lot Islands	Drainages	Dry Uplands	Parks	Suggested Cultivars & Hybrids	Notes
Abies concolor	White Fir	Large	Moderate	50x20								X	Blue Cloak (smaller)	Roots need constant moisture so use in sod
Cupressus arizonica	Arizona Cypress	Small	Low	20x8				X			X	X		
Juniperus scopulorum	Rocky Mountain Juniper	Small	Ultra Low	20x10					X		X		Blue Point, Gray Gleam, Medora, Moonglow, Skyrocket	
Larix decidua	European Larch	Large	Moderate	40x25								X		Deciduous
Metasequoia glyptostroboides	Dawn Redwood	Large	Moderate	40x25		X						X		Deciduous
Picea abies	Norway Spruce	Large	Moderate	50x20								X		
Picea glauca var. densata	Black Hills Spruce	Medium	Moderate	25x15	X						X	X		
Picea glauca 'Pendula'	Weeping White Spruce	Medium	Moderate	25x6				X			X	X	Pendula	Plant Select
Picea pungens	Colorado Spruce	Large	Moderate	50x20								X	Bakeri, Fat Albert, Hoopsii	
Pinus aristata	Bristlecone Pine	Medium	Low	25x15					X		X			
Pinus cembra	Swiss Stone Pine	Medium	Low	25x15					X					
Pinus edulis	Pinyon Pine	Small	Ultra Low	12x12					X		X			Not in turf; scale becoming a problem
Pinus heldreichii	Bosnian Pine	Small	Low	15x10					X		X			
Pinus nigra	Austrian Pine	Large	Low	50x20	X						X	X		Best choice for Thornton
Pinus strobiformis	Southwestern White Pine	Large	Low	50x30		X								Needs winter watering
Pinus sylvestris	Scotch Pine	Large	Low	40x20	X									Not recommended for Thornton
Pseudotsuga menziesii	Douglas Fir	Large	Moderate	50x18	X							X		
Taxodium distichum	Bald Cypress	Large	Moderate	40x20						X		X		Deciduous; good for soggy spots

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City of Thornton Evergreen Shrub List

Nomenclature		Characteristics					Uses					Specifics		
Botanical Name	Common Name	Size Group	Water Demand (Kc)	Design Size (H'xW')	Salt Tolerant	Delicate Plant	Median & Back of Curb	Back of Street	Parking Lot Islands	Drainages	Dry Uplands	Parks	Suggested Cultivars & Hybrids	Notes
Arctostaphylos x coloradoensis	Pine Mat Manzanita	Small	Low	0.5x3		X		X			X	X		Very hard to establish in heavy clay; has not been successful in Thornton
Arctostaphylos x uva ursi	Bearberry	Small	Low	0.5x3		X		X			X	X		Needs acid soil
Artemesia tridentata	Western Sage	Medium	Ultra Low	4x4							X			Course; Native seed areas only
Euonymus fortunei 'Coloratus'	Wintercreeper	Small	Low	2x3			X	X	X			X	Coloratus	Good alternative to Juniper groundcover
Euonymus kiautschovicus	Spreading Euonymus	Medium	Moderate	5x5				X				X	Manhattan	Tips burn in winter
Hesperaloe parviflora	False Red Yucca	Medium	Ultra Low	2x2			X	X	X		X			Treat like a perennial
Juniperus chinensis	Chinese Juniper	Medium	Low	5x5	X			X			X		Armstrong, Holbert, Blue Point (upright)	Sizes vary
Juniperus communis	Common Juniper	Small	Moderate	3x3	X		X	X	X		X	X	Effusa, Alpine Carpet, Green Carpet	
Juniperus horizontalis	Creeping Juniper	Small	Low	3x3			X	X	X		X	X	Bar Harbor, Blue Chip, Hughes, Icee Blue, Prince of Wales, Wiltonii	
Juniperus x media	Chinese Hybrid Juniper	Medium	Low	4x4			X	X	X		X		OldGold, Pfitzer, Sea Green	
Juniperus sabina	Savin Juniper	Medium	Low	4x4			X	X	X		X	X	Broadmoor, Buffalo, Calgary Carpet, Scandia, Tamariscifolia	
Juniperus squamata	Singleseed Juniper	Small	Low	1x3			X	X	X		X	X	Blue Star	Difficult to establish; too delicate for commercial projects

Juniperus virginiana	Eastern Red-cedar	Large	Low	12x6				X	X		X		Skyrocket	May need staking when young to withstand snow load
Mahonia aquifolium	Oregon Grape Holly	Medium	Low	4x3				X			X	X		Tips burn in winter; Likely to not survive if planted in fall
Mahonia aquifolium 'Compacta'	Compact Oregon Grape Holly	Small	Low	2x2				X	X		X	X		Likely to not survive if planted in fall
Mahonia fremontii	Fremont's Desert Holly	Medium	Ultra Low	3x3				X			X	X		Difficult to find
Mahonia repens	Creeping Oregon Grape Holly	Small	Low	1x3				X	X		X	X	Does not survive winter if planted in fall	
Picea glauca 'Conica'	Dwarf Alberta Spruce	Large	Moderate	6x3		X						X		
Pinus mugo	Mugo Pine	Medium	Low	4x4	X			X	X		X	X	Mops, Tannenbaum (tree form), White Bud	Slowmound difficult to establish
Yucca baccata	Banana Yucca	Small	Ultra Low	3x3				X			X	X		
Yucca filamentosa	Adam's Needle	Small	Ultra Low	3x3				X			X	X		
Yucca glauca	Soapweed	Small	Ultra Low	3x3	X			X			X			

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City of Thornton Ornamental Grass List

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Botanical Name	Common Name	Size Group	Water Demand (Kc)	Design Size (H'xW')	Salt Tolerant	Needs Protected Site	Median & Back of Curb	Back of Sidewalk	Parking Lot Islands	Drainages	Dry Uplands	Parks	Suggested Cultivars & Hybrids	Notes
<i>Andropogon gerardii</i>	Big Bluestem	Large	Low	5x3				X			X			
<i>Bouteloua curtipendula</i>	Sideoats Grama	Small	Ultra Low	2x1	X		X	X	X		X			
<i>Bouteloua gracilis</i>	Blue Grama	Small	Ultra Low	2x2	X		X	X	X		X	X	Blonde Ambition	CO state grass
<i>Calamagrostis acutiflora</i>	Feather Reed Grass	Medium	Low	4x1.5	X		X	X	X	X	X	X	Karl Foerster, Overdam (smaller -variegated), Avalanche (variegated)	
<i>Calamagrostis brachytricha</i>	Korean Feather Reed Grass	Medium	Low	3x2							X			Somewhat invasive
<i>Erianthus ravennae</i>	Hardy Pampas Grass	Large	Moderate	10x3	X			X		X	X	X		
<i>Festuca glauca</i>	Blue Fescue	Small	Low	1x1			X	X	X	X	X	X	Boulder Blue, Elijah Blue	1 gallon only; No T.E. credit
<i>Helictotrichon sempervirens</i>	Blue Avena	Small	Low	2x2			X	X	X	X	X	X		
<i>Imperata cylindrica</i>	Japanese Bloodgrass	Small	Moderate	1x1.5				X		X	X		Red Baron (marginally hardy)	Spreads; No T.E. credit
<i>Miscanthus sinensis</i>	Maiden Grass	Large	Moderate	5x4				X		X	X	X	Adagio, Cabaret, Gracillimus, Morning Light, Yaku Jima,	Size varies, hardiness and water need varies, many variegated forms
<i>Muhlenbergia reverchonii</i> 'Undaunted'	Undaunted Ruby Muhly Grass	Medium	Low	2x2.5		X		X	X		X	X	Undaunted	Other Muhly grasses are less hardy
<i>Panicum virgatum</i>	Switchgrass	Medium	Low	4x2	X		X	X	X	X	X	X	Shenandoah, many blue-leaved choices	Underused
<i>Pennisetum alopecuroides</i>	Dwarf Fountain Grass	Small	Low	2x2			X	X	X		X	X	Hameln	
<i>Schizachyrium scoparium</i>	Little Bluestem	Medium	Ultra Low	3x1.5	X		X	X	X		X	X	Blaze, The Blues	Excellent fall color
<i>Sorghastrum nutans</i>	Indian Grass	Large	Low	5x3			X	X			X		Indian Steel	
<i>Sporobolus wrightii</i>	Giant Sacaton	Large	Low	6x5	X		X	X			X	X		

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Long-Lived Perennials That Persist in Thornton

Botanical Name	Common Name	Qualifies for T.E. Credit
Callirhoe involucrata	Prairie Winecups	
Epilobium canum garrettii 'Orange Carpet'	Orange Carpet California Fuchsia	
Geranium 'Rozanne'	Rozanne Hardy Cranesbill	X
Hemerocallis spp.	Daylily	X
Iris spp.	Iris	
Nepeta spp.	Catmints	X
Oenothera macrocarpa	Missouri Evening Primrose	X
Paeonia lactiflora	Peony	
Papaver orientale spp.	Oriental Poppy	
Perovskia atriplicifolia	Russian Sage	X
Rudbeckia fulgida	Black Eyed Susan	X
Salvia nemerosa	Blue Sage	
Sedum spp.	Stonecrop	

Short-Lived Perennials That Do Not Persist in Thornton - **Avoid**

Agastache spp.	Hyssop
Aquilegia spp.	Columbine
Astilbe spp.	False Spirea
Delphinium spp.	Larkspur
Dianthus	Pinks
Digitalis spp.	Foxglove
Echinacea spp.	Purple Coneflower
Gaillardia spp.	Blanketflower
Gazania spp.	Gazania
Lavendula spp.	Lavender
Leucanthemum spp.	Daisy
Lupinus spp.	Lupine
Penstemon spp.	Penstemon
Phlox subulata	Creeping Phlox
Santolina spp.	Lavender Cotton
Viola spp.	Violet

References

Year	Source	Topic	Author
2010	J.F. Schmidt & Son	Tree Reference Guide	J.F. Schmidt & Son
2009	CSU Dept of Agriculture	Unusual Woody Landscape Plants	Dr. James Klett
2009	CSU Extension	Woody Landscape Plants	Robert Cox
2009	Little Valley Wholesale Nursery	Little Valley Wholesale Nursery Catalog	Staff
2008	GreenCO BMP's	Appendix E: Plant Water Requirement Estimates	Greenco-CSU 2004
2008	GreenCO BMP's	Appendix H: Salt Tolerant Plant List	Curtis Swift 1997
2006	Purdue University Dept. of Horticulture	Roadside De-Icing Salts & Ornamental Plants	B. Rosie Lerner
1998	Stipes Publishing LLC	Manual of Woody Landscape Plants	Michael A. Dirr