

PAXTANG TREE SPECIES AND VARIETIES

Borough of Paxtang Municipal Tree Plan Tree Species and Varieties Approved for Planting (Modified on Sept. 28, 2013)

The following trees were chosen because they tolerate difficult urban conditions and are primarily shade trees. They require low maintenance and generally are moderate to fast growing. These trees are highly resistant or generally free of diseases and pests and are not expected to damage paving, sidewalks, or sewer lines where planted in sufficiently wide tree lawns.

Small Trees. Mature height up to 30 feet. Suitable for under power lines.

Tree Lawn: 2 to 5 feet

Priority (*)	Species	Seasonal Interest	Height	Width, Shape	Planting Time	Comments
	American Hornbeam <i>Carpinus caroliniana</i>	foliage, flowers	20-35'	20-35', oval	spring	Acidic to neutral soils; drought sensitive, slow growth, heavy hard wood
	Flowering Crabapple <i>Malus</i>	flowers	10-35'	10-25'		Ornamentals adapted for street use
	'Centurion'	red flowers	20-25'	15-20', oval		Narrow
	'Harvest Gold'	white flowers	20-25'	15-20', columnar		Narrow, vigorous
	'Snowdrift'	white flowers	18-20'	18-20, oval		Typically fruitless
	'Spring Snow'	white flowers	25-30'	15-20', oval		Broad, improved growth habits
	'Spring Tyme'	white flowers	16-20	14-16', oval		Vigorous, among the best crabapple for streets
	'Redbud'	pink-white flowers	20-25'	25-30', round		
	<i>Malus x zumi</i> 'Calocarpa'					
	Japanese Tree Lilac <i>Syringa reticulata</i>	fruit, flowers				Tolerates drought and most soils, heavy flowering
	'Ivory Silk'		20-30'	15-20', oval		Vigorous, sturdy
	'Summer Snow'		20-25'	20-25' round		Broader than 'Ivory Silk', slower growth
	Maple, Tatarian <i>Acer tataricum</i> cultivars rare	greenish white	15-25'	15-25' globose	spring	2-3" soft leaves, turning yellow in fall; 1" samara
	Maple, Trident <i>Acer buergerianum</i> cultivars rare 'Rubrum'	greenish white	15-25'	15-25' globose	spring	2-4" soft leaves, turning yellow in fall; 1" samara Has blood-red leaves in the fall
	Serviceberry, single stem Amelanchier Autumn brilliance	fruit, flowers	15-25'	15-20'		Grows poorly in full sun. Orange to red foliage in fall.

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Medium Trees. Mature height up to 45 feet.

Tree Lawn: 4 to 7 feet

Priority	Species	Seasonal Interest	Height	Width, Shape	Planting Time	Comments
	Corktree, Amur <i>Phellodendron amurense</i>					
	'Macho'	foliage	35-45'	30-40' ovate	spring	fruitless; compound leaflets, glossy, thick, and leathery, yellow in fall
	'Shademaster'	foliage	35-40'	35-40' ovate	spring	fruitless; compound leaflets, lustrous dark green, yellow in fall
	Goldenrain Tree <i>Koelreuteria paniculata</i>	flowers, foliage	30-40'	25-40', oval	spring	Useful street tree, tolerates drought and most soils, suitable for under power lines
	Honeylocust <i>Gleditsia triacanthos</i>	foliage				
	'Imperial'		30-40'	35-45', round		Small cultivar, tidy looking, casts light shade, tolerates drought and most soils
	Hornbeam, Upright European <i>Carpinus betulus</i> 'Fastigiate'		35-40'	20- 30', pyramidal	spring	Broadly oval when mature, slow-medium growth, tolerates drought and most soils
	Maple, Bigtooth <i>Acer grandidentatum</i> 'Schmidt'					
	'Rocky Mt. Glow'		25-35'	15-20', ovate		Tolerates urban conditions
	Maple, Hedge <i>Acer campestre</i>	foliage	25-40'	25-40', round		Slow-moderate growth, tolerates drought and most soils, heavy seed production, low limb structure
	'Queen Elizabeth'		30-40'	25-35', oval		More vigorous than species
	Maple, Shantung <i>Acer truncatum</i> x <i>A. platanoides</i>					
	'Norwegian Sunset'		35-45'	25-35', ovate		Tolerates partial shade, wide range of soils, pH, heat, drought, and pollutants
	'Pacific Sunset'		30-40'	25-35', ovate		Tolerates partial shade, wide range of soils, pH, heat, drought, and pollutants

Large Trees. Mature height up to 65 feet.

Tree Lawn: 6 to 9 feet

Priority	Species	Seasonal Interest	Height	Width, Shape	Planting Time	Comments
	Baldcypress <i>Taxodium distichum</i>	deciduous needles	60-80'	20-45' conical	spring	acid soil; inconspicuous flowers; small cones disintegrate
	'Shawnee Brave'			narrow conical crowns		narrow conical crowns
	'Prairie Sentinel'			unusually wide spreading		unusually wide spreading
	'Monarch of Illinois'					
	Blackgum (Black Tupelo) <i>Nyssa sylvatica</i>		40-70'	30-45' conical	spring	acid soil, growth depressed at pH above 6, distinctive horizontal branching, spectacular fall color (bright yellow, orange, and scarlet), full sun

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Large Trees. Mature height up to 65 feet (cont).

Tree Lawn: 6 to 9 feet

Priority	Species	Seasonal Interest	Height	Width, Shape	Planting Time	Comments
*	Elm, Prospector <i>Ulmus wilsoniana</i> 'Prospector'		45-55'	40-50', vase		Resistant to elm diseases; tolerates urban stresses; intermediate size
	Elm, Hybrids <i>Ulmus wilsoniana</i> 'Frontier'	no flowers	40-50'	25-35', conical to ovate		Resistant to elm diseases; tolerates urban stresses; intermediate size
	'Homestead'	late arching	50-60'	35-45', conical		Resistant to elm diseases; tolerates urban stresses; intermediate size
	'Pioneer'	dense crown	50-60'	50-60', globose		
	Ginkgo or Maidenhair Tree <i>Ginkgo biloba</i> 'Autumn Gold'	fan-shaped leaf	45-55'	30-40', conical to ovate		tolerant of urban conditions; slow initial growth, then moderate
*	Katsura Tree <i>Cercidiphyllum japonicum</i>	foliage	40-60'	20-30', round		Drought sensitive, not easy to transplant
	Maple, Freeman Hybrid <i>Acer x freemanii</i> 'Armstrong'	foliage	45-65'	25-40', oval	spring	Drought resistant, shallow root system
	'Celebration'		45-65'	25-45', oval		
	'Scarlet Sentinel'					
*	Maple, Red <i>Acer rubrum</i> 'Autumn Flame'	foliage	50-75'	30-70', round	spring	Year round color, vigorous, shallow root system, typical Paxtang tree, drought resistant, occasional storm damage
	'October Glory'		45-55'	35-45', round	spring	Slower growth rate, good branch structure
	'Red Sunset'		50-60'	40-50', round	spring	Less cold hardy
			50-60'	40-50', oval	spring	Intense fall foliage, good branch structure, one of the best reds
	Oak, Sawtooth <i>Quercus acutissima</i>		40-50'	35-55', conical		Tolerates dry, urban conditions, prefers moist, acid soils & full sun
	Oak, Shingle <i>Quercus imbricaria</i>		40-65'	40-70', conical	spring	Less acorn litter problem; tolerates dry, urban conditions, prefers moist, acid soils
	Zelkova <i>Zelkova serrata</i> 'Village Green'	foliage	60-80'	35-40', vase	spring	Short trunk, elm tree substitute, not immune to elm disease, drought sensitive, tolerates most soils
	'Green Vase'		50-60'	50-60', vase	spring	Broader crown for species; 2-3" leaves, green turning bronze-red in fall
			60-70'	50-55', vase	spring	2-3" leaves, green turning bronze-red in fall

Malle only

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Very Large Trees. Mature height over 65 feet.

Tree Lawn: more than 8 feet

Priority	Species	Seasonal Interest	Height	Width, Shape	Planting Time	Comments
	Coffeetree, Kentucky <i>Gymnocladus dioica</i>		55-75'	45-65', oval		Male only, tolerates drought and most soils, slow recovery after transplant
	Elm, American <i>Ulmus americana</i> 'Liberty' 'Princeton', 'Washington', and 'Delaware II' are other cultivars		70-90'	70-90', vase-shaped		Graceful beauty; new clones and cultivars resistant to Dutch elm disease; 'Liberty' is a mixture of six clones that tolerates drought and most soils
	Elm, Lacebark or Chinese <i>Ulmus parvifolia</i> 'Dynasty' 'Ohio' 'Emerald Isle', 'Emerald Vase', 'King's Choice', and 'Pathfinder' are other cultivars that are more cold hardy than species		50-75' 50-70' 50-60'	30-75', ovate to vase 50-60', vase-shaped 40-50', vase-shaped		High urban stress tolerance High urban stress tolerance; more cold hardy than species High urban stress tolerance; more cold hardy than species
	Honeylocust <i>Gleditsia triacanthos</i> 'Moraine' 'Shademaster' 'Skyline'	foliage	40-80, 60-70' 60-70' 65-75'	40-70', oval 50-60', oval 50-60', oval 55-65', oval		Casts light shade, tolerates drought and most soils Remains popular, subject to storm damage Improved vigor, superior growth habits Best fall color, increased disease resistance
	Planetree, London <i>Platanus x acerifolia</i> 'Bloodgood'		70-80'	55-65', oval		Sycamore substitute, will heave sidewalks, 1" seed balls a nuisance, tolerates drought and most soils
	Oak, Bur <i>Quercus macrocarpa</i>	huge				
*	Oak, English <i>Quercus robur</i>	narrow	60-80'	50-70', oval	spring	Stalwart tree, slow recovery after transplant, heavy acorns at 2-4 year intervals, tolerates drought and most soils, slow-moderate growth
	Oak, Northern Red <i>Quercus rubra</i>					
	Oak, Pin <i>Quercus palustris</i>	foliage	55-75'	40-55', oval	spring	Popular for streets, slow recovery after transplant, transplants readily, tolerates drought and most soils
	Oak, Swamp White <i>Quercus bicolor</i>		60-80'	50-80', oval	spring	Needs acid soil, slow initial recovery, then moderate growth
	Oak, Shumard <i>Quercus shumardii</i>					
	Redwood, Dawn <i>Metasequoia glyptostroboides</i>	deciduous small needles	65-85'	25-40', conical	spring	Prefers acid soil and full sun; growth is reduced on alkaline soils

The Paxtang Borough Shade Tree Commission has tree species information available. Excellent Internet sites are North Carolina State University, http://www.ces.ncsu.edu/depts/hort/consumer/factsheets/SCIENTIFIC/scientific_index.html and the University of Connecticut www.hort.uconn.edu/plants/index.html