

## City of Hailey - Recommended Street Tree List

This street tree list was prepared and approved by the Hailey Tree Committee, May 9<sup>th</sup>, 2019

**Choosing the correct street trees is dependent on many factors:** total soil volume, soil characteristics, clearance availability, characteristics desired, existing tree species, long term goals, and maintenance needs. **No conifers** are listed for street trees because of the problems with clearance and shading of streets and sidewalks in winter. In some cases there might be an exception.

**Class I trees** Small trees up to 20 to 30 feet in height when mature. **Minimum planting strip for Class I trees is ten feet wide.** Typical spacing between trees is 20 to 30 feet. Class I trees should **ONLY** be planted in right of ways where there are overhead power lines or other clearance issues and where Class II and III trees can't be planted because of their mature height. Some Class I trees often have a large crown spread with low branches, especially crabapples. These can cause issues with sidewalk and traffic clearances.

Scientific name	Common name	Mature size (width x ht)	Features	Drought tolerant?	Salt spray tolerant?	Saline soils tolerant?
<i>Acer tataricum</i>	Tartarian maple	W:20 ft Ht:25 ft	Hardy to zone 3, yellow to orange-red fall color, good with dry, high pH soils		?	?
<i>Acer grandidentatum</i>	Bigtooth maple	W: 20 ft. Ht: 20 ft	Rounded shape, orange-red to red fall color, native	no	?	?
<i>Amelanchier spp.</i>	Serviceberry	W: 15- 20 ft Ht: 20-28 ft	pick single stem varieties, orange to red fall color, white flowers, small edible fruit, native	no	no	no
<i>Crataegus phaenopyrum</i>	Washington hawthorn	W: 18 – 20 ft Ht: 20 – 28 ft	Select thornless variety, blooms, hardy	moderate	yes	
<i>Malus spp.</i>	crabapple	W: 15- 25 ft Ht:15-25 ft	Blooms- pink or white, Many cultivars, low branches		no	no
<i>Prunus virginiana 'Schubert'</i>	Canadian red chokecherry	W: 20 ft Ht: 25 ft	Choose single stem, Schubert -leaves emerge green and turn purple in summer, also <i>Prunus padus</i>		?	?
<i>Syringa reticulata</i> or <i>S.pekinensis</i>	Japanese Tree lilac	W; 12- 15 ft Ht: 20 ft	Choose specimens with strong leader & that are hardy to zone 4, white flowers		yes	yes

**Class II: Medium sized trees**, 30 to 50 feet tall when mature. Minimum planting strip is 6 feet wide. Typical spacing between trees is 30 to 40 feet. See notes below for **recommended soil volumes**.

Scientific name	Common name	Mature size	Features	Drought tolerant?	Salt spray tolerant?	Saline soil tolerant?
<i>Aesculus hippocastanum</i>	Horsechestnut	W: 30 – 40 ft Ht: 30 – 50 ft	Beautiful flowers, some varieties are seedless, 'Baumannii' – good cultivar		yes	
<i>Acer platanoides</i>	Norway maple	W: 15 – 40 ft Ht: 25 – 50 ft	Overplanted, leaf color varies- deep green to reddish-purple, dense shade, prolific seeder		yes	moderate
<i>Acer saccharum</i>	Sugar maple	W: 10 – 40 ft Ht: 30 – 50 ft	Orange- red to red fall color, once established tolerant of heat and drought	Yes - mature	no	no
<i>Acer x freemannii</i>	Autumn blaze maples (etc)	W: 35 – 45 ft Ht: 45 – 55 ft	Cultivars: Autumn blaze & Jeffersred, select trees with strong central leader		moderate	no
<i>Celtis occidentalis</i>	Hackberry	W: 20 – 35 ft Ht: 45 – 50 ft	A tough, hardy urban tree, rarely raises sidewalks, yellow fall color	Yes- mature	yes	
<i>Fagus grandifolia</i> or <i>F. sylvatica</i>	American Beech, Green Beech	W: 40 ft Ht: 50 ft	Pick cultivars hardy to zone 4, golden to bronze fall color, slow growing	no	no	no
<i>Gleditsia triacanthos</i>	Thornless Honeylocust	W: 35 – 40 ft Ht: 40 – 45 ft	Select thornless & seedless cultivars with strong central leader, tough urban tree	yes	yes	yes
<i>Ostrya virginiana</i>	American Hophornbeam	W: 20 – 25 ft Ht: 40 ft	Pest resistant, tolerant of drought & alkaline soils, Autumn treasure 'JFS- KW5' – good variety	yes	moderate	no
<i>Prunus maackii</i>	Amur chokecherry	W: 25 – 35 ft Ht: 35 – 45 ft	Prefers moist, well drained soils but tolerates dry, alkaline soils	somewhat	moderate	no
<i>Tilia americana</i>	American linden	W: 15 – 30 ft Ht: 35 – 50 ft	Yellow fall color, pyramidal shape, pollinator friendly - small flowers attract bees	moderate	no	no
<i>Tilia cordata</i>	Littleleaf linden	W: 15 – 30 ft Ht: 40 – 45 ft	Smaller leaves than American linden, yellow fall color, pyramidal shape	moderate	no	no

**Class III:** Large, long lived trees that need a minimum 6 foot planting strip but wider is recommended, spacing 40 to 60 feet. See notes below for recommended soil volumes.

Scientific name	Common name	Mature size	Features	Drought tolerant?	Salt spray tolerant?	Saline soils tolerant?
<i>Carya ovata</i>	Shagbark Hickory	W: 30 ft Ht: 80 ft	Shaggy bark and nuts when mature. Drought tolerant after established. Needs rich soil.	moderate	unknown	unknown
<i>Catalpa speciosa</i>	Northern catalpa	W: 25 – 50 ft Ht: 50 ft	Hiawatha 2 – a better street tree variety, white flowers, marginal hardiness (zone 4-5)	yes	moderate	moderate
<i>Ginkgo biloba</i>	Ginkgo	W: 25- 35 ft Ht: 40 – 50 ft	Only plant male trees (seedless) such Autumn gold, tolerates clay & alkaline, pest resistant	yes	yes	moderate
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	W: 35 ft Ht: 50 ft	Heat & drought tolerant, tolerates heavy alkaline soil, oval to vase shape	yes	yes	yes
<i>Quercus bicolor</i>	Swamp White Oak	W: 15 – 40 ft Ht: 40 – 50 ft	Tolerant of alkaline, wet, poorly drained soils, good urban tree	yes	no	moderate
<i>Quercus macrocarpa</i>	Bur Oak	W: 25 – 45 ft Ht: 55 ft	Cold hardy tree that tolerates heat, drought, and alkaline soils	yes	yes	yes
<i>Ulmus americana spp</i>	American elm cultivars	W: 50 – 60 ft Ht: 55 – 70 ft	Dutch Elm Disease resistant cultivars, vase shape, yellow fall color, tolerates alkaline, clay	moderate	moderate	moderate

List updated February 12, 2021

#### Sources:

J. Frank Schmidt & Son Co, wholesale catalog reference guide: [https://www.jfschmidt.com/rg/jfs\\_ref\\_guide\\_18.pdf](https://www.jfschmidt.com/rg/jfs_ref_guide_18.pdf)

Cornell Urban Tree Guide (some trees not cold hardy for Hailey): <https://pdf4pro.com/view/recommended-urban-trees-cornell-university-5b4e51.html>

The Morton Arboretum, online tree guide: <https://www.mortonarb.org/>

Virginia Cooperative Extension: Table of saline soils and salt spray tolerance of trees : [www.ext.vt.edu](http://www.ext.vt.edu)