

Butte Tree Species Recommendations

Last edited 4/12/2023

Deciduous (*Lose leaves/needles every year*)

American Hophornbeam (*Ostrya virginiana*)

- **Height:** 40ft **Spread:** 25ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
Site: Prefers wet but will tolerate moderately dry soil after established, very salt sensitive, tolerates light shade
- **Growth Rate:** Slow
- **Species has not been tested in Butte**

Amur Maple (*Acer ginnala*)

- **Height:** 30ft **Spread:** 20ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade/shade
- **Site:** Tolerates wide variety of soils and drought tolerant. Can't handle salt
- **Growth Rate:** Medium
- **Don't Prune in Spring**

Hot Wings Tatarian Maple (*Acer tataricum 'GarAnn'*)

- **Height:** 25ft **Spread:** 20ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Can handle a wide variety of soils and drought tolerant. Not particular to pH and is highly tolerant of urban pollution.
- **Growth Rate:** Medium
- **Don't Prune in Spring**

Sensation Boxelder (*Acer negundo* 'Sensation')

- **Height:** 45ft **Spread:** 50ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Very adaptable, tolerating both wet and dry locations and even some standing water. Highly tolerant of urban pollution.
- **Growth Rate:** Fast
- **Insect/ Disease:** Not effected by Boxelder Bugs
- **Street Tree Option if no salt**
- **Don't Prune in Spring**

'Autumn Blaze' Freeman Maple (*Acer*freemanii*)

- **Height:** 50ft **Spread:** 30-40ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade (full sun for best fall color)
- **Site:** Drought tolerant (but prefers moist soil), adaptable to soil pH but strong preference to acidic, salt tolerance.
- **Growth Rate:** Fast
- **Street Tree Option**
- **Don't Prune in Spring**
- **Important to structurally prune while young to avoid weak branch attachment**
- **Species has not been tested in Butte**

Miyabe Maple (*Acer miyabei*)

- **Height:** 50-55ft **Spread:** 30-40ft
- **Hardiness:** Zone 3 or 4 depending on the cultivar
- **Sun:** Full sun/part shade/shade
- **Site:** Moist well drained soil, salt, and drought tolerant, can handle alkaline soil
- **Growth Rate:** Medium
- **Street Tree Option (Look for hardiest cultivars)**
- **Don't Prune in Spring**

Norway Maple (*Acer platanoides*)

- **Height:** 40-50 ft **Spread:** 30-50ft
- **Hardiness:** Zone 3 or 4 depending on the cultivar
- **Sun:** Full sun/part shade/shade
- **Site:** Prefers moist soil but can handle wet and dry sites. Occasional drought and flooding tolerance. Tolerant to road salt
- **Growth Rate:** Fast
- **Street Tree Option**
- **Don't Prune in Spring**
- **Many cultivars, *Acer platanoides* 'Helena' being my favorite for Butte**
- **One of my favorites for Butte, *Acer platanoides* 'Helena' cultivar especially**

Red Maple (*Acer rubrum*)

- **Height:** 40-60ft **Spread:** 30-45 ft
- **Hardiness:** Zone 3 or 4 depending on cultivar
- **Sun:** Full sun/shade
- **Site:** Prefers moist, acidic soil but can handle wet and alkaline soils. Can tolerate occasional flooding
- **Many cultivars**
- **Don't Prune in Spring**
- **Species has not been tested in Butte**

Sugar Maple (*Acer saccharum*)

- **Height:** 60-75ft **Spread:** 40-60ft
- **Hardiness:** Zone 3 or 4 depending on cultivar
- **Sun:** Full sun/Part shade/Shade
- **Site:** Not particular to soil pH and somewhat tolerant of urban pollution. Should never be allowed to dry out.
- **Growth Rate:** Medium
- **Don't Prune in Spring**
- **Many cultivars (Fall Fiesta Sugar Maple (*Acer saccharum* 'Bailsta') is most hardy)**
- **Species has not been tested in Butte**

Brandon Elm (*Ulmus americana* 'Brandon')

- **Height:** 60ft **Spread:** 40ft
- **Hardiness:** Zone 2
- **Sun:** Full sun (at least 6 hours of direct sunlight)
- **Site:** The most cold hardy of my recommended elm species. Can handle environmental salt, urban pollution, and even some standing water. Some drought tolerance. Not particular to soil type or pH.
- **Insect/Disease:** Resistant to Dutch Elm Disease
- **Growth Rate:** Fast
- **Street Tree Option**
- **One of my favorites for Butte**

Accolade Elm (*Ulmus americana* 'Morton')

- **Height:** 60ft **Spread:** 40ft
- **Hardiness:** Zone 3
- **Sun:** Full sun (at least 6 hours of direct sunlight)
- **Site:** Adaptable to moist or dry locations. Handles environmental salt well and urban pollution. Not particular to soil type or pH.
- **Insect/Disease:** Resistant to Dutch Elm Disease
- **Growth Rate:** Fast
- **Street Tree Option**
- **One of my favorites for Butte**

Princeton Elm (*Ulmus americana* 'Princeton')

- **Height:** 70ft **Spread:** 50ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Adapts to both wet and dry sites and even some standing water. Not particular to soil type or pH. Highly tolerant of environmental salt and urban pollution.
- **Insect/Disease:** Resistant to Dutch Elm Disease
- **Growth Rate:** Fast
- **Street Tree Option**
- **One of my favorites for Butte**

Prairie Expedition Elm (*Ulmus americana* 'Lewis & Clark')

- **Height:** 55-60ft **Spread:** 35-40ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Adapts to both wet and dry sites. Tolerant of pollution and urban conditions. Handles environmental salt well. Not particular to soil type or pH.
- **Growth Rate:** Fast
- **Street Tree Option**
- **One of my favorites for Butte**

Triumph Elm (*Ulmus* 'Morton Glossy')

- **Height:** 60ft **Spread:** 40ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Adapts to both wet and dry sites. Not particular to soil type or pH. Highly tolerant to environmental salt and urban pollution.
- **Insect/Disease:** Resistant to Dutch Elm Disease
- **Growth Rate:** Fast
- **Street Tree Option**

Swamp White Oak (*Quercus bicolor*)

- **Height:** 60ft **Spread:**45ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Tolerates temporary flooding, wet soils, moderately dry soils, and drought. Handles compaction and road salt well.
- **Growth Rate:** Medium
- **Insect/Disease:** Chlorosis
- **Prune while dormant**
- **Street Tree Option**
- **One of my favorites for Butte**
- **Can be seen @ Copper Mtn Park and Father Sheehan Park**

White Oak (*Quercus alba*)

- **Height:** 80ft **Spread:** 100ft
- **Hardiness:** Zone 3
- **Sun:** Full Sun
- **Site:** Has some drought tolerance but not tolerant of standing water or excessively wet soil. Prefers acidic soils and handles road salt well but not compaction.
- **Growth Rate:** Slow/medium
- **Insect/Disease:** Oak wilt, chlorosis
- **Prune while dormant**
- **Street Tree Option**
- **Species has not been tested in Butte**

Northern Red Oak (*Quercus rubra*)

- **Height:** 60-75ft **Spread:** 45ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Adaptable and some drought tolerance. Prefers acidic to alkaline soils. Tolerates pollution and compacted soils. Handles environmental salt well.
- **Growth Rate:** Fast
- **Insect/Disease:** Chlorosis
- **Prune while dormant**
- **Street Tree Option**
- **Species has not been tested in Butte**
- **Can be seen @ Emma Park**

Northern Pin Oak (*Quercus ellipsoidalis*)

- **Height:** 40-60ft **Spread:** 40-60ft
- **Hardiness:** Zone 4
- **Sun:** Full sun
- **Site:** Prefers moist, well drained soils but tolerates dry conditions and even occasional drought
- **Growth Rate:** Medium
- **Insect/Disease:** Stem and leaf galls
- **Prune while dormant**
- **Species has not been tested in Butte**

Bur Oak (*Quercus macrocarpa*)

- **Height:** 70-80ft **Spread:** 70-80 ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Prefers moist, well-drained soil; Drought tolerant and even occasional flooding. Handles alkaline soil better than other oaks
- **Growth Rate:** Slow
- **Insect/Disease:** Leaf galls; Oak wilt
- **Street Tree Option**
- **Prune while dormant**
- **One of my favorites for Butte**

American Linden or Basswood (*Tilia americana*)

- **Height:** 70ft **Spread:** 45ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** It is very adaptable to both dry and moist locations. It is not particular as to soil type or pH. It is somewhat tolerant of urban pollution.
- **Growth Rate:** Medium
- **Insect/Disease:** Susceptible to various insects
- **Street Tree Option**
- **One of my favorites for Butte**

Harvest Gold Mongolian Linden (*Tilia mongolica* 'Harvest Gold')

- **Height:** 40ft **Spread:** 30ft
- **Hardiness:** Zone 2
- **Sun:** Full sun (at least 6 hours of direct sunlight)
- **Site:** Adaptable to both wet and dry locations. Somewhat tolerant to urban pollution. Most cold hardy linden. Not particular to soil type or pH.
- **Growth rate:** Medium

Littleleaf Linden (*Tilia cordata*)

- **Height:** 50ft **Spread:** 30-35ft
- **Hardiness:** Zone 3
- **Sun:** Full sun (at least 6 hours of direct sunlight)
- **Site:** Adaptable to wet and dry locations. Highly tolerant of urban pollution. Not particular to soil type or pH.
- **Growth Rate:** Medium
- **Street Tree Option**

Silver Linden (*Tilia tomentosa*)

- **Height:** 50-70ft **Spread:** 30-50ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade/full shade
- **Site:** Prefers moist, well-drained soil. Can handle alkaline soil and road salt. Most drought tolerant Linden.
- **Growth Rate:** Medium
- **Insect/Disease:** Susceptible to various insects
- **Street Tree Option**

Horse Chestnut (*Aesculus hippocastanea*)

- **Height:** 50-75ft **Spread:** 40-70ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Prefers moist, well drained soils; Adaptable to wide range of soils and tolerant of road salt.
- **Growth Rate:** Medium
- **Insect/disease:** Leaf scorch can occur
- **Species has not been tested in Butte**
- **Can be seen @ Copper Mtn Park, McGruff Park, and Emma Park**

American Hornbeam (*Caripinus caroliniana*)

- **Height:** 20-30ft **Spread:** 20-30ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade/shade
- **Site:** Prefers acidic moist soil but can handle both wet and dry sites.
- **Growth Rate:** slow
- **Has not been tested in Butte**

Common Hackberry (*Celtis occidentalis*)

- **Height:** 40-60ft **Spread:** 40-50ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** Prefers alkaline, moist soil but tolerates all soil types. Drought and flood tolerant. Can handle road salt. Highly adaptable.
- **Growth Rate:** Medium-Fast
- **Street Tree Option**
- **One of my favorites in Butte**

Grey Alder (*Alnus incana*)

- **Height:** 50ft **Spread:** 25ft
- **Hardiness:** Zone 2
- **Sun:** Full sun/part shade
- **Site:** Very adaptable but prefers average to wet conditions and tolerates standing water. Not particular to soil type or pH. Highly tolerant of urban pollution. Avoid full shade and don't let soil dry out.
- **Growth Rate:** Medium
- **Native Species**

Turkish Filbert (*Corylus colurna*)

- **Height:** 30-50ft **Spread:** 20-30ft
- **Hardiness:** Zone 4
- **Sun:** Full sun/part shade
- **Site:** Prefers moist, well-drained soil but very adaptable. Tolerates soils that is alkaline, clay, dry, wet, and occasional drought when established.
- **Growth Rate:** Medium
- **Species has not been tested in Butte**
- **Produces edible hazelnuts (Filberts)**

Ginkgo (*Ginkgo biloba*)

- **Height:** 40-50ft **Spread:** variable
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Tolerant to dry sites and occasional drought, can handle alkaline soils and road salt as well as heat and pollution
- **Street tree option**
- **Stop watering by September 1st to prevent dieback**
- **Only plant male trees (female fruit smells like vomit)**
- **Species has not been tested in Butte**
- **Can be seen @ Emma Park, Father Sheehan Park, and Peace Park**

Northern Acclaim Honeylocust (*Gleditsia triacanthos* 'Harve')

- **Height:** 40ft **Spread:** 30ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Most cold hardy honeylocust and deer won't bother it. Highly tolerant to urban pollution and environmental salt. Adaptable to dry and wet locations and even some drought tolerance. Not particular to soil type or pH.
- **Growth Rate:** Fast
- **Street Tree Option**
- **Make sure not grafted on less hardy variety or cultivar, very important**
- **One of my favorites for Butte**

Skyline Honeylocust (*Gleditsia triacanthos* 'Skycole')

- **Height:** 45ft **Spread:** 35ft
- **Hardiness:** Zone 4
- **Sun:** Full sun
- **Site:** Adaptable to dry and wet locations. Not particular to soil type or pH. Highly tolerant to urban pollution and environmental salt.
- **Growth Rate:** Fast
- **Street Tree Option**
- **Species has not been tested in Butte**

Amur Maackia (*Maackia amurensis*)

- **Height:** 20-30 ft **Spread:** 20-35ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Prefers moist, well drained soils but can handle dry sites and some drought. Not particular to pH. Don't not tolerate salt.
- **Growth Rate:** Slow
- **One of my favorites for Butte**

Amur Corktree (*Phellodendron amurense*)

- **Height:** 30-45ft **Spread:** 30-60ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Prefers moist, well drained, alkaline soil but tolerates occasional drought and lower pH. Can handle pollution and road salt.
- **Plant Only Male Cultivars (Messy Fruit)**

Kentucky Coffeetree (*Gymnocladus dioicus*)

- **Height:** 70ft **Spread:** 45ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Adaptable to wet and dry locations and has drought tolerance. Not particular to soil type or pH. Somewhat tolerant of urban pollution.
- **Growth Rate:** Slow
- **Street Tree Option**
- **Has not been tested in Butte**

River Birch (*Betula nigra*)

- **Height:** 50ft **Spread:** 40ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Does best in moist to wet soil; Tolerates drier soils but will have interior leaf drop. Handles road salt and occasional flooding.
- **Growth Rate:** Fast
- **Insect/Disease:** Resistant to Bronze Birch Borer
- **Don't Prune in Spring**

Pagoda Dogwood (*Cornus alternifolia* 'Argentea')

- **Height:** 10-15ft **Spread:** 12-20ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade/shade
- **Site:** Prefers moist acidic soil; Should be mulched, tolerates dry sites. Plant in protected area as this one of most sensitive on this list.
- **Insect/Disease:** Overwatering can easily lead to root rot.
- **Has not been tested in Butte**
- **Great Container Growing Option**

Thornless cockspur hawthorn (*Crataegus crus-galli* var. *inermis*)

- **Height:** 20-30ft **Spread:** 20-35ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Tolerates most soil types, can handle wet and dry sites and some drought tolerance, tolerant to road salt
- **Growth Rate:** Medium

Toba Hawthorn (*Crataegus x mordenensis 'Toba'*)

- **Height:** 20ft **Spread:** 20ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Can't handle standing water. Not particular to pH and some drought tolerance.
- **Growth Rate:** Medium

Japanese tree lilac (*Syringa reticulata subsp. reticulata*)

- **Height:** 20-30ft **Spread:** 15-25ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Prefers moist, well-drained soil. Tolerates alkaline soil, dry sites, and road salt
- **Growth Rate:** Medium
- **Insect/Disease:** leaf spots
- **Various cultivars that differ in shape**
- **One of my favorites for Butte**

European Mountain ash (*Sorbus aucuparia*)

- **Height:** 15-40ft **Spread:** 10-25ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Prefers moist, well drained soils. Don't plant near hardscapes-messy fruit
- **Growth Rate:** Medium
- **Insect/Disease:** Many

Oak Leaf Mountain Ash (*Sorbus x hybrida*)

- **Height:** 30ft **Spread:** 20ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** Adaptable to dry and wet locations. Not particular to soil type or pH. Somewhat tolerant of urban pollution.
- **Growth Rate:** Medium
- **My Favorite Mountain Ash for Butte**
- **Can be seen @ Fleecer Park**

Ohio Buckeye (*Aesculus glabra*)

- **Height:** 20-40ft **Spread:** 20-40ft
- **Hardiness:** Zone 2B
- **Sun:** Full sun/part shade/full shade
- **Site:** Prefers moist, well-drained soil and should never completely dry out. Not particular to pH. Highly tolerant of urban pollution.
- **Insect/Disease:** Leaf blotch
- **Growth Rate:** Medium
- **Species has not been tested in Butte**
- **Can be seen @ Copper Mtn Park and McGruff Park**

American Larch (*Larix laricina*)

- **Height:** 40-80ft **Spread:** 15-30ft
- **Hardiness:** Zone 2
- **Sun:** Full sun/part shade
- **Site:** It is quite adaptable, preferring to grow in average to wet conditions, and will even tolerate some standing water. It is not particular as to soil type but has preference for acidic soils. Won't tolerate full shade, dry soils, or urban pollution.
- **Insect/Disease:** Virtually pest free
- **Growth Rate:** Medium
- **Great option for the harshest microclimates (if soil isn't allowed to dry out)**

Siberian Larch (*Larix sibirica*)

- **Height:** 40-80ft **Spread:** 15-25ft
- **Hardiness:** Zone 1
- **Sun:** Full sun/part shade
- **Site:** It is quite adaptable, preferring to grow in average to wet conditions, and will even tolerate some standing water. It is not particular as to soil type or pH. Won't tolerate full shade, dry soils, or urban pollution.
- **Insect/Disease:** Virtually pest free
- **Growth Rate:** Medium
- **Great option for the harshest microclimates (if soil isn't allowed to dry out)**
- **One of my personal favorites for Butte (Can be seen @ Copper Mtn Park)**

Western Larch (*Larix occidentalis*)

- **Height:** 30-70ft **Spread:** 15-25ft
- **Hardiness:** Zone 1
- **Sun:** Full sun/part shade
- **Site:** It is quite adaptable, preferring to grow in average to wet conditions, and will even tolerate some standing water. It is not particular as to soil type or pH. Won't tolerate full shade, dry soils, or urban pollution.
- **Insect/Disease:** Virtually pest free
- **Growth Rate:** Fast
- **Native Species**
- **Great option for the harshest microclimates (if soil isn't allowed to dry out)**
- **One of my personal favorites for Butte (Can be seen @ Copper Mtn Park)**
- **Largest larch in the world is a western larch @ Seely Lake, Montana (Named Gus)**

Star Magnolia (*Magnolia stellata*)

- **Height:** 10-15ft **Spread:** 10-15ft
- **Hardiness:** Zone 4
- **Sun:** Full sun/part shade
- **Site:** Prefers to grow in acidic, loamy, moist, sandy, well-drained and clay soils but will tolerate neutral and alkaline soils. It can withstand some flooding and has moderate drought tolerance when established. Plant in protected areas, one of more sensitive species on list.
- **Insect/Disease:** Virtually pest free
- **Growth Rate:** Medium
- **Great species to plant in container**
- **Can be seen @ Peace Park**

Saucer Magnolia (*Magnolia x soulangeana*)

- **Height:** 20-30ft **Spread:** 20-25ft
- **Hardiness:** Zone 4
- **Sun:** Full sun/part shade
- **Site:** Prefers to grow in acidic, loamy, moist, sandy, well-drained and clay soils but will tolerate neutral and alkaline soils. It can withstand some flooding and has moderate drought tolerance when established. Plant in protected areas, one of more sensitive species on list.
- **Insect/Disease:** Virtually pest free
- **Growth Rate:** Medium

Evergreen (*Keeps leaves/needles longer than a year*)

White Fir (*Abies concolor*)

- **Height:** 45ft **Spread:** 20ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/part shade
- **Site:** Prefers to grow in average to moist conditions and shouldn't be allowed to dry out. Not particular as to soil type or pH. Somewhat tolerant of urban pollution and will benefit from being planted in a relatively sheltered location. Can't handle salt. Avoid dry sites.
- **Growth Rate:** Slow

Alpine Fir (*Abies lasiocarpa*)

- **Height:** 70ft **Spread:** 20ft
- **Hardiness:** Zone 2
- **Sun:** Full sun/part shade
- **Site:** Prefers to grow in average to moist conditions and shouldn't be allowed to dry out. Not particular as to soil pH but grows best in sandy soils. Quite intolerant of urban pollution, therefore inner city or urban streetside plantings are best avoided and will benefit from being planted in a relatively sheltered location. Tolerates drier conditions.
- **Growth Rate:** Slow
- **Native species**

Rocky Mountain Juniper (*Juniperus scopulorum*)

- **Height:** 50ft **Spread:** 15ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Very adaptable to both dry and moist growing conditions but will not tolerate any standing water. Drought tolerant. Not particular as to soil type or pH and somewhat tolerant of urban pollution.
- **Growth Rate:** Slow
- **Native species**

Norway Spruce (*Picea abies*)

- **Height:** 60ft **Spread:** 25ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Does best in average to evenly moist conditions but will not tolerate standing water. Not particular as to soil type or pH and is able to handle environmental salt. Highly tolerant of urban pollution and will even thrive in inner city environments. Good option for windbreaks.
- **Growth Rate:** Medium

Engelmann Spruce (*Picea engelmannii*)

- **Height:** 70ft **Spread:** 15ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** Very adaptable to both dry and moist growing conditions but will not tolerate any standing water. Not particular as to soil type or pH and somewhat tolerant of urban pollution.
- **Growth Rate:** Slow
- **Native species**

Black Hills Spruce aka White Spruce (*Picea glauca* var. *densata*)

- **Height:** 40ft **Spread:** 15ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** Very adaptable to both dry and moist locations and should do just fine under average home landscape conditions. It is drought-tolerant but have seen drought stress with long-term drought, recommend at least one deep watering a month in summer. Not particular as to soil type or pH and is able to handle environmental salt. It is highly tolerant of urban pollution and will even thrive in inner city environments pollution.
- **Growth Rate:** Slow
- **Native species**
- **Insect/ Disease:** Treat for White Pine Weevil in spring

Colorado Spruce (*Picea pungens*)

- **Height:** 50ft **Spread:** 20ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** Very adaptable to both dry and moist growing conditions but will not tolerate any standing water. Drought-tolerant but have seen drought stress with long-term drought, recommend at least one deep watering a month in summer. Not particular as to soil type or pH and is able to handle environmental salt. Highly tolerant of urban pollution and will even thrive in inner city environments.
- **Growth Rate:** Slow
- **Insect/ Disease:** Treat for White Pine Weevil in spring

Blue Colorado Spruce (*Picea pungens var. glauca*) (Many cultivars)

- **Height:** 50ft **Spread:** 20ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** Very adaptable to both dry and moist growing conditions but will not tolerate any standing water. Drought-tolerant but have seen drought stress with long-term drought, recommend at least one deep watering a month in summer. Not particular as to soil type or pH and is able to handle environmental salt. Highly tolerant of urban pollution and will even thrive in inner city environments.
- **Growth Rate:** Slow
- **Insect/ Disease:** Treat for White Pine Weevil in spring

Bristlecone Pine (*Pinus aristata*)

- **Height:** 20ft **Spread:** 25ft
- **Hardiness:** Zone 4
- **Sun:** Full sun
- **Site:** Prefers dry to average moisture levels with very well-drained soil and will often die in standing water. Drought tolerant and not particular to soil type or pH. Intolerant of urban pollution. Have seen good specimens in Butte in protected areas.
- **Growth Rate:** Slow

Formal Form Bristlecone Pine (*Pinus aristate* 'Formal Form')

- **Height:** 10ft **Spread:** 5ft
- **Hardiness:** Zone 4
- **Sun:** Full sun
- **Site:** Prefers dry to average moisture levels with very well-drained soil and will often die in standing water. Drought tolerant and not particular to soil type or pH. Intolerant of urban pollution.
- **Growth Rate:** Slow

Swiss Stone Pine (*Pinus aristate* 'Formal Form')

- **Height:** 40ft **Spread:** 18ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Prefers dry to average moisture levels with very well-drained soil and will often die in standing water. It is drought-tolerant but have seen drought stress with long-term drought, recommend at least one deep watering a month in summer. It is not particular as to soil type or pH and is highly tolerant of urban pollution and will even thrive in inner city environments.
- **Growth Rate:** Slow
- **Edible Pine Nuts**

Lodgepole Pine (*Pinus contorta* var. *latifolia*)

- **Height:** 60ft **Spread:** 25ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Prefers dry to average moisture levels with very well-drained soil and will often die in standing water. It is drought tolerant and not particular as to soil type or pH. It is highly tolerant of urban pollution and will even thrive in inner city environments.
- **Growth Rate:** Medium
- **Native Species**

Limber Pine (*Pinus flexilis*)

- **Height:** 50ft **Spread:** 30ft
- **Hardiness:** Zone 3
- **Sun:** Full sun/Part Shade
- **Site:** Prefers dry to average moisture levels with very well-drained soil and will often die in standing water. Drought tolerant and not particular as to soil type or pH. Very adaptable and durable, somewhat tolerant of urban pollution.
- **Growth Rate:** Slow

Austrian Pine (*Pinus nigra*)

- **Height:** 60ft **Spread:** 40ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Very adaptable to both dry and moist growing conditions but will not tolerate any standing water. Drought tolerant and not particular as to soil type or pH. Able to handle environmental salt and urban pollution, even thriving in inner city environments.
- **Growth Rate:** Medium
- **One of my favorites for Butte**

Ponderosa Pine (*Pinus ponderosa*)

- **Height:** 60ft **Spread:** 40ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Prefers dry to average moisture levels with very well-drained soil and will often die in standing water. Drought tolerant and not particular as to soil type or pH. Able to handle environmental salt but not urban pollution.
- **Growth Rate:** Medium
- **Montana State Tree**

White Pine (*Pinus strobus*)

- **Height:** 60ft **Spread:** 35ft
- **Hardiness:** Zone 3
- **Sun:** Full sun
- **Site:** Very adaptable to both dry and moist growing conditions but will not tolerate any standing water. Not particular to soil type but requires acidic soil or subject to Chlorosis. Intolerant of urban pollution.
- **Growth Rate:** Fast

Scotch Pine (*Pinus sylvestris*)

- **Height:** 50ft **Spread:** 35ft
- **Hardiness:** Zone 2
- **Sun:** Full sun
- **Site:** Prefers dry to average moisture levels with very well-drained soil and will often die in standing water. Drought tolerant and not particular as to soil type or pH. It is highly tolerant of urban pollution and will even thrive in inner city environments.
- **Growth Rate:** Medium
- **One of my favorites for Butte**

Rocky Mountain Douglas Fir (*Pseudotsuga menziesii* var. *glauca*)

- **Height:** 70ft **Spread:** 20-30ft

- **Hardiness:** Zone 3

- **Sun:** Full sun

Site: Prefers acidic or neutral soil that is well-drained but can handle slightly alkaline soils and can even be found in its native habitat of rocky, mountain slopes. Sensitive to long periods of drought, water deeply at least once a month. Optimal growth will come from evenly moist, well-drained soil and will die in standing water. Not particular as to soil type and somewhat tolerant of urban pollution.

- **Growth Rate:** Medium

- **Native species**

Brandon Arborvitae (*Thuja occidentalis* 'Brandon') (Many Cultivars, 'Brandon' hardiest)

- **Height:** 20ft **Spread:** 8ft

- **Hardiness:** Zone 2

- **Sun:** Full sun/Part Shade

Site: Prefers to grow in average to moist conditions and shouldn't be allowed to dry out. Not particular to soil type or pH and somewhat tolerant of urban pollution. Best if protected from strong west winds as it is susceptible to winter burn.

- **Growth Rate:** Slow