

Lower Wind River Conservation District



Tree Buyer's Guide



Almond, Russian

Scientific Name: *Prunus tenella*

Size: 4-5 feet tall

4-5feet spread

Drought Resistance: Fairly Drought Tolerant

Cold Hardiness: Zone 2-3

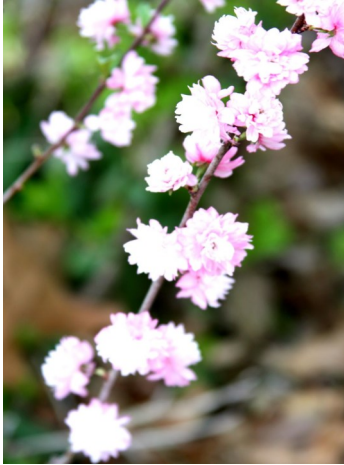
Growth Rate: Moderate

Soil Conditions: Prefers loamy soils; ability to adapt to a wide range of PH conditions

Wildlife Value: Good browse and cover

Seasonal Color: Abundant pink to rose flowers

Miscellany: Russian almond is recommended for use in multirow farmstead and field windbreaks, wildlife habitat, and plantings associated with revegetation and recreation development.



Apricot, Hardy

Scientific Name: *Prunus armeniaca L. var. mandshurica*

Size: 12–15 feet tall

12-15 feet spread

Drought Resistance: Moderately Drought Tolerant

Cold Hardiness: Zone 3-4

Growth Rate: 3-4 years till first harvest

Soil Conditions: Sandy/loamy, does well in alkaline soils, likes well drained soils

Wildlife Value: Edible fruit ripened in July and August

Seasonal Color: White/Pink flowers appear in May followed by edible fruit ripened in July and August

Miscellany: Self pollinating





Ash, Green

Scientific Name: *Fraxinus pennsylvanica*

Size: 30-50 feet tall

30-45 feet spread

Drought Resistance: High drought resistance

Cold Hardiness: Zone 2-7

Growth Rate: Rapid, can grow 6-10 feet in a season

Soil Conditions: Alkaline resistance, Tolerant of wet and dry soils

Wildlife Value: Produces significant amount of seeds which birds eat

Seasonal Color: green leaves in summer, yellow leaves in fall

Miscellany: Produces a small inconspicuous small green flower that appears in spring



Aspen, Quaking

Scientific Name: *Populus tremuloides*

Size: 20-50 feet tall

20-30 feet spread

Drought Resistance: Prefers growing next to water source

Cold Hardiness: Zone 2-9

Growth Rate: moderate growth rate (24" per year)

Soil Conditions: Moist soils

Wildlife Value: Provides great windbreak in riparian areas, ponds, and streams. Bark is a good source of protein

Seasonal Color: Deep green leaves in summer, leaves turn Golden yellow in the fall

Miscellany: Aspens are known for their unique bark, When the wind blows the leaves appear to be quaking





Birch, Paper

Scientific Name: *Betula Papyrifera*

Size: 40-70 feet tall

20-30 feet spread

Drought Resistance: Moderately drought resistance

Cold Hardiness: Zone 2-6

Growth Rate: Moderate, 1-2 feet per year

Soil Conditions: prefers well drained, loamy soil

Wildlife Value: Browse for ungulates, food and cover for birds and small mammals.

Seasonal Color: Spring/Summer Bright green leaves. Fall vibrant yellow leaves before they drop. Attractive white, peeling bark that adds visual interest.



Buffaloberry

Scientific Name: *Shepherdia canadensis*

Size: 12-16 feet tall

4-12 feet spread

Drought Resistance: Moderately drought resistance

Cold Hardiness: Zone 2-7

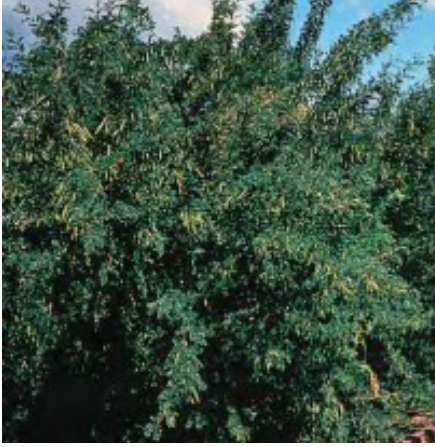
Growth Rate: Moderate, 1-2 feet per year

Soil Conditions: Adapted to a wide range of soils including sandy, loamy, rocky

Wildlife Value: Dense thickets provide good shelter and nesting cover for birds and small mammals

Seasonal Color: Spring: Silvery-green leaves and small yellow flowers. Summer: Silvery foliage remains striking. Fall/Winter: bright red or orange berries add vibrant color, often persisting into winter.





Caragana

Scientific Name: *Siberian Pea Shrub (Caragana arborescens)*

Size: 15-20 feet tall

12–18 feet spread

Drought Resistance: High drought tolerance

Cold Hardiness: Zone 2-7, Native to cold semi-arid regions

Growth Rate: Medium to rapid

Soil Conditions: Tolerant to high soil pH, alkaline soils

Seasonal Color: Bright green foliage, yellow flowers in May & June, followed by seed bearing pods

Miscellany: Tolerant of heat, wind, cold, saline and poor soils. Can spread into grasslands and prairies.



Cherry, Nanking

Scientific Name: *Prunus tomentosa*

Size: 6-10 feet tall

6-10 feet spread

Drought Resistance: Moderate drought resistance

Cold Hardiness: Zone 2-6

Growth Rate: Moderate growth rate

Soil Conditions: Thrives in well-drained sandy, loamy, or silty soils.

Wildlife Value: Fruits are eaten by birds and small mammals, Pollinators, including bees, are attracted to the blossoms, and Dense growth provides cover for small animals.

Seasonal Color: Spring abundant with showy white to pinkish blossoms. Summer green foliage and bright red, edible cherries. Fall leaves turn yellow to orange before dropping. Winter adds some interest with its twiggy, dense structure.



Currently not available - on wait list.



Chokecherry

Scientific Name: *Prunus virginiana*

Size: 10-20 feet tall

10-15 feet spread

Drought Resistance: Moderate drought resistance

Cold Hardiness: Zone 2-6

Growth Rate: Moderate growth rate

Soil Conditions: Alkaline soils, Dry soil

Wildlife Value: Wildlife enjoys berries

Seasonal Color: Grows white flower clusters, produces dark purple berry that is edible in July and August

Miscellany: Berries can be used in jams and jellies. Can be harmful to livestock when other feed is scarce. The toxic substance, hydrocyanic acid, is found principally in the leaves that become less toxic as the growing season advances.



Cottonwood, Silver

Scientific Name: *Populus alba*

Also Known as (White poplar, or silver leaf poplar)

Size: 70-90 feet tall

40-50 feet spread

Drought Resistance: Moderately drought resistance

Cold Hardiness: Zone 3-8

Growth Rate: Rapid 2-3 feet per year

Soil Conditions: Thrives in well-drained sandy or loamy soils.

Wildlife Value: Browse for ungulates, food and cover for birds and small mammals

Seasonal Color: Spring/Summer: Leaves are green on top with a striking silver-white underside. Fall Leaves turn a yellowish hue before dropping. Winter: smooth, white-gray bark.



Not included with 25-26 Tree / Shrub Sale



Cottonwood, Siouxland

Scientific Name: *Populus deltoides* "Siouxland"

Size: 40-50 feet tall

20-30 feet spread

Drought Resistance: Moderate-high drought resistance

Cold Hardiness: Zone 3-9

Growth Rate: Rapid, Grows about 3 feet per year

Soil Conditions: Tolerates Alkaline conditions and pollutants, Prefers wet soils along waterways but tolerates dry soils

Wildlife Value: Habitat for wildlife

Seasonal Color: Green foliage, Yellow foliage in the fall

Miscellany: Cotton-less cottonwood



Crabapple, Dolgo

Scientific Name: *Malus x "Dolgo"*

Size: 25-35 feet tall

20-30 feet spread

Drought Resistance: Good drought resistance

Cold Hardiness: Zone 2-8

Growth Rate: Can bear fruit 2-3 years after planting

Soil Conditions: well drained soil, prefers moist soils with a pH of 5.8-7

Wildlife Value: Wildlife enjoys the fruit

Seasonal Color: White flowers bloom in April, fruit ripens in September

Miscellany: Produces an edible purple fruit that can be used in jam and jellies or cider, self pollinating





Currant, Black

Scientific Name: *Ribes Americanum* "Riverview"

Size: 3-5 feet tall

3-5 feet spread

Drought Resistance: Good Drought resistance

Cold Hardiness: Zone 3-7

Growth Rate: Moderate growth rate

Soil Conditions: requires damp soil conditions

Wildlife Value: Wildlife enjoy the berries

Seasonal Color: Small yellow flowers bloom in May, Red-purple to black edible fruit in August and September

Miscellany: This species is suitable for the outside rows of multi-row belts.



Currant, Golden

Scientific Name: *Ribes odoratum*

Size: 5-6 feet tall

5-6 feet spread

Drought Resistance: Moderate drought resistance, mature golden currant should be watered 2-3 times a month

Cold Hardiness: Zone 4-8

Growth Rate: Fast to moderate growth rate

Soil Conditions: Grows best in areas with abundant ground water

Wildlife Value: Pollinators of the plant include hummingbirds, butterflies and bees. The fruit is eaten by various birds and mammals

Seasonal Color: Fragrant yellow flower blooms in spring, dark purple to black edible berry, leaves turn dull yellow in the fall





Dogwood, Redosier

Scientific Name: *Cornus sericea*

Size: 6-10 feet tall

5-9 feet spread

Drought Resistance: Poor drought resistance, doesn't tolerate excessive dry soil

Cold Hardiness: Zone 2-7

Growth Rate: Moderate, grows 2 feet a year

Soil Conditions: Prefers well drained, moist soils, sandy to clay soils, grows well in Acidic and Alkaline soils

Wildlife Value: wildlife eat the berries, provides cover for wildlife

Seasonal Color: Blood-red bark provides winter color, White flowers appear late spring, produces white fruit, leaves turn red-purple in autumn

Miscellany: fruit are rapidly taken by birds, thicket forming



Elderberry

Scientific Name: *Sambucus racemose L.*

Size: 20 feet tall

8-10 feet spread

Drought Resistance: Poor drought resistance, doesn't tolerate excessive dry soil

Cold Hardiness: Zone 2-7

Growth Rate: Moderate

Soil Conditions: Prefers slightly acidic soil conditions and moist

Wildlife Value: wildlife eat the berries, provides cover for wildlife

Seasonal Color: Green foliage, white flowers

Miscellany: Pollen heavy flowers attract a variety of bees; red elderberry fruit may be toxic when ingested without sufficient preparation





Juneberry/Serviceberry

Scientific Name: *Amelanchier alnifolia*

Size: 8-10 feet tall

4-8 feet spread

Drought Resistance: High drought tolerance

Cold Hardiness: Zone 2-9

Growth Rate: Moderate, can grow 12 inches a year

Soil Conditions: Grows best in sand loam soil, tolerates acidic and alkaline soils

Wildlife Value: Wildlife enjoys the berries

Seasonal Color: Grows a white flower that is followed by a purple-black edible fruit that ripens in June and July

Miscellany: Large quantities of the berries are not good for livestock



Lilac, Common

Scientific Name: *Syringa vulgaris L.*

Size: 8-10 feet tall

8-10 feet spread

Drought Resistance: Moderate drought resistance

Cold Hardiness: Zone 2-3

Growth Rate: Moderate

Soil Conditions: Tolerates Alkaline soils, Acidic soils, occasional drought

Wildlife Value: provides coverage for small birds and mammals

Seasonal Color: Grows purple and white flowers

Miscellany: Plant in an area with good circulation; Flowers produce a pungent fragrance





Pine, Ponderosa

Scientific Name: *Pinus ponderosa*

Size: 50-70 feet tall

12-17 feet spread

Drought Resistance: High drought tolerance

Cold Hardiness: Zone 3-7

Growth Rate: Moderate growth rate

Soil Conditions: Tolerates saline and alkaline soils

Wildlife Value: Provides food and habitat for wildlife

Seasonal Color: Evergreen

Miscellany: Strong species in the wind, little potential for top breakage



Plum, Prairie Red

Scientific Name: *Prunus Americana*

Size: 10-15 feet tall

12-17 feet spread

Drought Resistance: Moderate drought tolerance

Cold Hardiness: Zone 3-7

Growth Rate: Moderate growth rate

Soil Conditions: Best grows in silt loam soil, needs well drained soil

Wildlife Value: Wildlife enjoys the fruit and the habitat it provides

Seasonal Color: White flower blooms in May, Red/ Yellowish-Red plum matures in late summer

Miscellany: Fruit can be used for jams and jellies





Poplar, Prairie Sky

Scientific Name: *Populus x canadensis*

Size: 50-60 feet tall

6-8 feet spread

Drought Resistance: Good drought tolerance

Cold Hardiness: Zone 3-8

Growth Rate: Very fast, can grow 4 feet in a year

Soil Conditions: Adapted to coarse and medium textured soils

Wildlife Value: Provides roost for wildlife and winter thermal cover

Seasonal Color: Leaves turn yellow in the fall

Miscellany: Makes a wonderful wind break belt and due to the elasticity of the harvested wood, it is the most important tree in the snow-board industry. Cotton less



Poplar, Lombardy

Scientific Name: *Populus nigra*

Size: 40-60 ft. with a spread of 10-12 ft.

Drought Resistance: Drought tolerant once established. Young trees need consistent watering to establish deep roots. Doesn't need excessive moisture once established, as it can reduce its life span.

Cold Hardiness: Zones 3-9

Growth Rate: Fast growth rate with some growing 5-10 ft. per year.

Soil Conditions: It is adaptable to a wide range of soils, including those that are alkaline or even wet, but a well-drained soil is ideal.

Wildlife Value: good shelter and nesting, food value is limited.

Seasonal Color: Shiny bright green leaves in the spring and summer. Striking golden-yellow color in the fall before dropping. Seeds produce crimson-red catkins in the spring.

Miscellany: fast-growing, tall, columnar trees. Good for windbreaks.





Rocky Mountain Juniper

Scientific Name: *Juniperus scopulorum* Sarg.

Size: 20-30 feet tall

8-12 feet spread

Drought Resistance: High drought tolerance

Cold Hardiness: Zone 3-7

Growth Rate: Medium to slow growth rate

Soil Conditions: Tolerates salt and alkaline soils

Wildlife Value: Wildlife enjoys cone-like berries and habitat provides coverage for multiple species, but specifically waxwings

Seasonal Color: Evergreen

Miscellany: Can be used as a single-row windbreak; also a favorite for bonsai enthusiasts.



Spruce, Colorado Blue

Scientific Name: *Picea pungens*

Size: 50-70 feet tall

12-15 feet spread

Drought Resistance: Medium drought tolerance

Cold Hardiness: Zone 2-7

Growth Rate: Slow growth rate

Soil Conditions: Prefers moist, well drained loams

Wildlife Value: Provides cover for wildlife

Seasonal Color: Evergreen

Miscellany: The blue coloration of the needles is due to a waxy coating that helps protect them from harsh winter conditions.





Willow, Golden

Scientific Name: *Salix alba*

Size: 60-70 feet tall

50-60 feet spread

Drought Resistance: Poor drought resistance

Cold Hardiness: Zone 2-7

Growth Rate: Rapid growth rate

Soil Conditions: can grow in sandy to clay soils, soils that are alkaline, acidic, and neutral, prefers wet soils

Wildlife Value: Small mammals and birds feed on buds and foliage

Seasonal Color: Green Foliage, Yellow Flowers

Miscellany: Branches shed easily, susceptible to wind and snow load damage.



Please contact our office if you have any questions in regards to your tree / shrub needs.