

## Landscape and Boulevard Trees for North Dakota

### TALL TREES – 45'-65' in height

**Bur Oak** - Drought tolerant native oak of the white oak family.

'Urban Pinnacle' – Zone 3 hardy, narrow upright growth form.

Hybrid Oak 'Prairie Stature' – outstanding NDSU selection – English x White oak

**American Linden** - Tall, spreading, adaptable, native linden.

Cultivars: 'Boulevard' – pyramidal form.

'Redmond' – broadly pyramidal, good old standard cultivar for street plantings, very hardy.

'Sentry' - pyramidal form.

'Frontyard' - broadly pyramidal.

'Dakota' - very hardy pyramidal selection.

**Hybrid Lindens**- very hardy pyramidal hybrids of American and littleleaf lindens, Canadian origin, well adapted to North Dakota climate.

Cultivars: 'Dropmore' and 'Glenleven'

**Littleleaf Linden** - Broadly pyramidal tree with dense branching and foliage.

Cultivars: 'Norlin' - Canadian selection for hardiness, rapid growth, and sunscald resistance.

'Greenspire' - dense branching, narrow oval form.

'Golden Cascade' – cascading branches, yellow fall color, to 40' in height.

'Shamrock' – Bailey Nursery, MN introduction.

**Hackberry** - Tall, spreading, native tree, form similar to American elm, look for northern hardy seed origin plants.

**Honeylocust, thornless** - 'Northern Acclaim' – NDSU selection of honeylocust for hardiness, upright when young, spreading with age, seedless.

'Street Keeper'- Narrow, upright growth form, minimal pod production.

**Boxelder or Manitoba Maple** - 'Baron' - male selection of our native boxelder maple. Canadian origin.

**Sugar Maple** - plant northern seed origins only.

Cultivars: 'Northern Flare' – Northeast SD selection by NDSU.

'Apollo' – Dense, compact, upright form, small tree with good fall color.

'Fall Fiesta' – MN origin, good fall color, leaf tatter resistance.

'Unity' – Canadian origin, very hardy selection for prairie conditions.

'Green Mountain'- Tough leathery foliage, leaf tatter resistance.

'Green Column' – Black sugar maple parentage.

**Freeman Hybrid Maples** – Silver x red maple parentage.

Cultivars: 'Autumn Blaze' – ascending growth form, red fall color.

'Sienna Glen' – MN origin, pyramidal form with orange red to red fall color.

**Sycamore**-American planetree - 'Northern Advance' -A tall growing native US specie with flaking, exfoliating bark and maple like foliage. NDSU selection for hardiness.

**American Elm**- Use only Dutch Elm Disease resistance cultivars, do not plant seedlings.

Cultivars: 'Prairie Expedition'- NDSU selection, 'Princeton', 'Valley Forge', 'Washington'.

### **MEDIUM TREES – 30' - 45' in height**

**Alder**- 'Prairie Horizon' Manchurian alder- NDSU selection for upright growth and attractive foliage.

**Aspen**- Popular native tree grown for its white bark and trembling foliage.

Cultivar: 'Prairie Gold' - A Nebraska selection for tolerance to plains conditions.

**Birch** - Paper Birch – native ND plant.

'Prairie Dream' – NDSU selection for bark qualities and bronze birch borer resistance.

- Asian White Birch – ‘Prairie Vision’ & ‘Prairie Pinnacle’ – NDSU selections for form and bronze birch bark resistance.

- River Birch – handsome shaggy, peeling tan bark – use plants of known northern origin – MN, WI.. ‘Northern Tribute’ – NDSU selection for hardiness.

**Buckeye** - rounded to spreading trees, palmate leaves, do not confuse with horse chestnut, a European species not hardy in ND.

Ohio Buckeye – native US species doing well in ND.

Cultivars: ‘Autumn Splendor’ – hybrid selection with good leaf scorch resistance, orange to red fall color. U of MN selection.

‘Homestead’ - hybrid selection with yellow to orange fall color, SDSU selection.

‘Prairie Torch’ – NDSU selection with brilliant orange to red fall color.

‘Discovery’ Elm - Vase shaped, Japanese elm selection with resistance to Dutch elm disease, good cold hardiness. Canadian origin.

**Mongolian Linden ‘Harvest Gold’** – a very hardy selection with upright growth and yellow gold fall color. Selected by Jeffries Nursery in Portage la Prairie, Manitoba.

**Laurelleaf Willow** - rounded, upright tree for moist or watered areas. Shiny foliage.

Cultivars: ‘Prairie Reflection’ – NDSU selection

### **SMALL TREES – 15’ - 30’ in height**

**Crabapples** – Many Cultivars:

Refer to NDSU evaluation trials.

**European Mountain Ash** – upright to rounded tree with bright orange-red fruit clusters.

Cultivars: ‘Cardinal Red’ – straight growing, uniform branching, Michigan State Introduction.

Showy Mountain Ash - Rounded specie with bright red fruit clusters.

**Hawthorn** - plant cultivars only.

Cultivars: 'Snowbird' - upright, rounded, double white flowers, minimal fruit production.

'Toba' - upright, rounded, double white flowers with glossy foliage, red fruits.

Thornless Cockspur – rust resistant, dark glossy green leaves, red-orange fruit. 'Crusader'.

**Amur maackia** - small, attractive, summer flowering legume, merits much greater use.

'Summertime'- U of MN selection for quality traits of growth and bloom.

**Korean Maple**- 'Northern Spotlight' - A very hardy palmate maple selection with good orange to red fall color. NDSU release.

**Amur Maple** - multi or single stem, rounded, upright form, yellow to orange or red fall color, gray bark.

Cultivars: 'Flame', 'Ruby Slippers', 'Embers', 'Red Wing'

**Tatarian Maple** - grown as a single stemmed plant, dense, upright oval form. Yellow to orange fall color.

Cultivars: 'Pattern Perfect' – reddish stems, thick green foliage, orange fall color.

'Hot Wings' - Colorado selection with scarlet red samaras and strong branch structure.

**American hophornbeam** (Ironwood)– upright rounded to oval tree. Slow growing, bright green leaves, hop-like fruits, tough ND native tree.

**Tree Lilac** - Grown as a single stem or multi-stem – spreading, oval form, large, white flower panicles, glossy cherry like bark.

Cultivars: 'Ivory Silk' - very popular cultivar, large creamy white flower panicles, more compact form.

'Ivory Pillar' - more upright than other cultivars.

'Snowcap' - compact, heavy flowering, heavy thick foliage.

'Golden Eclipse' - attractive variegated foliage.

**Pekin Lilac** - grown as a single stem or multi-stem – upright rounded to spreading. Large creamy colored flower panicles.

Cultivars: 'Copper Curls' – outstanding NDSU selection with exfoliating bark.

'Summer Charm' - smaller but plentiful flower panicles with flaking bark.

**Ussurian Pear** - plant only cultivars in ornamental plantings.

Cultivars: 'Prairie Gem' - rounded, dense formed, white flowered, heavy textured foliage. NDSU selection.

'Mountain Frost' – upright to rounded with flowers and foliage similar to 'Prairie Gem', MN origin.

### **Plum and Cherry**

Cultivar: 'Princess Kay' Plum – U of MN selection, very showy, early double white flowers.

'Pink Flair' Sargent Cherry- Upright growing Japanese cherry with single pink flowers, hardy in NDSU trials.

Amur Chokecherry- Very hardy, non-suckering cherry with exfoliating bark.

'Goldspur'-A dwarf compact selection, 'Goldrush'- improved frost cracking resistance.

### **Additional species:**

**Amur Corktree** - Amur and Sakhalin cork trees – hardy, attractive trees of the Rue (Citrus) family

Cultivars- 'His Majesty' – U of MN, male seedless selection.

'Macho' – male seedless selection

**Mongolian Oak** - hardy Asian oak specie, attractive, persistent foliage.

**Kentucky Coffee Tree** – tall US native legume, northern seed source critical.

'Stately Manor', 'Espresso', 'Prairie Titan' – male seedless cultivars.

**Serviceberry** - Amelanchier laevis, grandiflorus, canadensis – 18 to 25' in height.

Cultivars: 'Cumulus', 'Autumn Brilliance', 'Princess Diana'.

**Winterberry Euonymus** – 'Prairie Radiance' – NDSU selection, small tree form with masses of attractive fruit and intense red fall coloration.

**Gray Dogwood** - 'Snow Mantle' – small, multi-stemmed tree form, NDSU selection.

**Pagoda Dogwood** - small tree dogwood for northern exposure, not drought tolerant.

**Black Walnut** - Northern seed source origins only, large spreading tree.

**Three Flower Maple**- Hardy trifoliolate maple with golden tan birch-like exfoliating bark.

**Manchurian Snakebark Maple**- Beautiful striped green and white bark, plant where bark protected from winter sun.

**Magnolia stellata**- 'Spring Welcome' - at this time, the only hardy Asian magnolia zones 3/4. Attractive early white flowers before foliage appears.

**Hybrid Elm** cultivars: 'Cathedral', 'Triumph', 'Vanguard'.

#### **Landscape Conifers:**

Black Hills Spruce - suited to prairie environment

Meyer Spruce - Northern Asian species for trial

Balsam Fir - Northern US and Canada species. Soft needles

Ponderosa Pine - North Dakota native

Limber Pine - North Dakota "native"

Stone Pines - Siberian Stone Pine,

Korean Stone Pine,

Swiss Stone Pine – 'Prairie Statesman' – dense habit, upright growth, very hardy NDSU selection.

Siberian Larch - Deciduous conifer, very hardy.

'Taylor' Juniper - narrowly upright selection of Eastern Red Cedar, Nebraska origin.