

Trees & Shrubs 2012

The Beltrami SWCD has 43 species of trees and shrubs available for spring 2012 planting in windbreaks, shelterbelts, wildlife habitat plantations, or for use in other conservation practices. Beltrami SWCD conservation trees are non-invasive, originate from acclimated seed sources, have well-established root systems, and provide suitable species opportunity for all soils/drainage applications. Our commercial refrigeration unit keeps the seedlings dormant at 38 to 42 degrees. We keep the roots covered and periodically misted to keep them moist. Every effort is made to assure that our customers receive planting stock as fresh as it was when it left the nursery. Full bundles are offered at a discounted price, and several tree-care products are also available. The Beltrami SWCD recommends that landowners interested in ordering do so as soon as possible because some species have limited supplies available.

SELECTION GUIDE

For photos and detailed information see www.beltramiswcd.org

SPECIES	SHADE	AGE	HEIGHT	SOILS	DRAINAGE	WILDLIFE	GROWTH	COMMENTS
AMERICAN HAZELNUT	tol	20-35	3-10'	all	wd	good	m - f	nuts eaten by small mammals, ruffed grouse and deer, good buffer shrub.
AMERICAN MOUNTAIN ASH	mod	20-35	15-20	m - h	mst - wd	good	moderate	will grow in light shade. berries persist into winter, eaten by grouse.
AMERICAN PLUM	intol	35-65	20-25'	m - h	mwd - wd	good	fast	produces edible fruit, suckers prolifically (creates thickets)
BALSAM FIR	tol	100	40-60'	m	pd - wd	g-vg	moderate	most shade tolerant conifer, prefers a cool moist atmosphere
BASSWOOD	tol	150	70-100'	m - h	mst - wd	fair	moderate	large spreading crown, deep roots, flower pollen makes good honey
BLACK CHERRY	intol	150-200	40-70'	m-h	wd	exc	moderate	largest native cherry, valuable wood, edible fruit attracts birds
BLACK CHOKEBERRY	mod	20-50	3-6'	all	pd - mwd	good	moderate	abundant black fruit, suckers freely, prefers wet sites, attractive fall color
BLACK SPRUCE	tol	250+	30-50'	all	pd - mwd	g-vg	s-m	shortest needled spruce, native to bogs, tolerates poor drainage
* BLACK HILLS SPRUCE	mod	150-350	40-60	s-m	mst - wd	fair	slow	salt tolerant, drought tolerant, good windbreak tree, good specimen tree
* BLACK WALNUT	intol	150+	60-90'	m - h	mst wd	good	moderate	highly prized wood, native to southern Mn, deep tap root & root system
CHOKECHERRY	intol	30-40	20-30'	m - h	wd	vg-exc	moderate	white flowers, fruit attractive to birds, suckers freely
* COLORADO BLUE SPRUCE	mod	150-200	50-100'	m - h	wd	fair	slow	susceptible to cankers and needlecast, avoid row planting, bluish needles,
COMMON ELDERBERRY	mod	20+	4-12'	m	mst	exc	fast	useful near water, need 2 for pollination, blackish edible fruit, forms thickets
* COMMON LILAC	intol	50+	12-20'	m - h	wd	fair	moderate	fragrant flowers, suckers freely, requires well-drained soils, good border shrub
* COTONEASTER	intol	30-40	6-8'	s - m	wd	good	moderate	tolerant of dry soils, makes formal hedge, yellow to red fall color, good border
GRAY DOGWOOD	tol	20-50	6-10'	all	m - wd	vg	moderate	white flowers & fruit (birds), good choice for wildlife & uplands, attractive
GREEN ASH	mod	100-150	30-60'	all	mwd - wd	fair	moderate	very adaptable tree, excellent choice for windbreaks/shelterbelts
HIGHBUSH CRANBERRY	mod	20-50	10-16'	all	pd - wd	g-vg	moderate	attractive, retains fruit in winter, good grouse food, good deer browse species
* HYBRID POPLAR	intol	20-30	40-60'	m - h	wd	fair	very fast	rapid growth, short-lived, useful in windbreaks/shelterbelts
JACK PINE	intol	40-70	35-80'	s	mwd - wd	f-g	m-f	very drought tolerant, good timber tree, requires full sun
JUNE BERRY	tol	20-50	6-8'	all	mst - wd	g-vg	moderate	fruits attractive to wildlife, edible berries, suckers-forms thicket
* MIDWESTERN CRAB	intol	30-40	15-20'	m - h	wd	exc	moderate	early white showy flowers, fruit smaller & more uniform than Red Splendor
* NANKING CHERRY	intol	15	6-10'	m - h	wd	gd-vg	fast	pink flowers, edible fruit, fruit very appealing to wildlife, showy landscape shrub
NANNYBERRY (Blackhaw)	mod	20-50	15-20'	m - h	mst - wd	vg-exc	fast	fruit has date-like flavor after frost, suckers freely
NINEBARK	mod	20+	6-10'	m	mst - wd	good	m-f	very hardy, small pinkish cluster flowers, lower deer browse value
NORWAY PINE	intol	100-300	60-80'	s - m	wd	fair	m-f	excellent timber tree, drought tolerant, scaly reddish brown bark, Mn. state tree
* NORWAY SPRUCE	intol	200	80-100'	m-h	wd	vg	m-f	excellent windbreak tree, fastest growing & tallest spruce, large cones
OAK, BUR	mod	150-300	60-80'	all	mst - wd	exc	slow	superior wildlife tree, forms deep tap root, hardy tree, sturdy appearance
OAK, RED	tol	150-300	60-80	all	wd	exc	moderate	excellent timber tree, more shade tolerant than Bur Oak, fall color
PAPER BIRCH	intol	80	40-60	all	mst - wd	good	moderate	attractive white bark, prefers cool moist upland conditions
PINCHERRY	intol	50+	20-30'	s - m	mst - wd	vg	m-f	may sucker, orange fall color, fruit attracts birds
RED MAPLE	tol	70-80	50-70'	all	mwd - wd	vg-exc	m-f	beautiful fall foliage, handsome shade tree, susceptible to sunscald
RED OSIER DOGWOOD	tol	20-50	6-10'	all	pd - mwd	vg	moderate	important wildlife shrub (deer), useful in streambank/lakeshore stabilization
* RED SPLENDOR CRAB	intol	30-40	15-20'	m - h	wd	exc	moderate	retains fruit in winter, showy flowers, excellent wildlife tree
* RUGOSA ROSE	mod	20+	4-6'	all	mwd - wd	good	moderate	pink to white flowers, very large red fruit (rosehips), extremely hardy
SANDBAR WILLOW	intol	20-50	10-15'	all	pd - mst	good	fast	tolerates flooding, excellent shoreline stabilization
SILVER MAPLE	mod	50-100	50-80'	all	mst - wd	g-vg	fast	spreading crown, fast growth, prolific seeder, good shade tree
SUGAR MAPLE	tol	75-150+	60-80'	m - h	mst - wd	exc	s-m	spreading crown, deep fibrous roots, fall color, sensitive to salt & drought
SIUXLAND COTTONWOOD	intol	70	80-100'	m	mwd - wd	vg-exc	very fast	fast growing, seedless, commonly used in windbreaks/shelterbelts
TAMARACK	intol	100-200	50-75'	s-m	pd - wd	f-g	fast	loses foliage in fall, yellow fall color, tolerant of poorly drained soils
WHITE CEDAR	mod	200+	40-50'	all	pd - wd	g-vg	slow	dense foliage, good cover and forage (deer browse) for wildlife
WHITE PINE	mod	100-300+	70-90'	m - h	wd	f-g	m-f	excellent timber tree, shade tolerant pine, soft needles
WHITE SPRUCE	tol	100-200	40-80'	m-h	wd	exc	moderate	excellent all-around tree, superior windbreak tree, quite adaptable

KEY

SHADE: intol = intolerant, mod = moderately tolerant, tol = tolerant.

SOILS: s = sandy, m = medium, h = heavy.

DRAINAGE: pd = poorly drained, mst = moist, mwd = moderately well-drained, wd = well-drained.

WILDLIFE VALUE: f = fair, g = good, vg = very good, exc = excellent.

GROWTH RATE: s = slow, m = moderate, f = fast, vf = very fast.

* = Non-native species introduced to area. (non-native plants listed above are not considered as invasive species.)