

Itasca County Soil and Water Conservation District Spring 2012 Native Tree and Plant Sale

The Itasca County Soil and Water Conservation District (Itasca SWCD) is now taking orders for our spring 2012 tenth annual Native Tree and Plant Sale. The purpose of the sale is to provide landowners a local source for conservation grade trees, shrubs, wildflowers, and grasses. We only offer species native to Minnesota, and those which are well adapted to northern Minnesota growing conditions.

Wildflower and Grass Seed Mixtures!

Upland Mix:

27 species total, consisting of 23 species of Minnesota native wildflowers and 4 species of native showy grasses. 40% of the mix is wildflower seed, and 60% is grass seed; this grass dominance make the mix well suited for conservation plantings, while the wildflowers provide accent color throughout the spring, summer, and early fall. This mix is well suited for most upland sites, from moderately dry to moist.

Wetland Mix:

32 species total consisting of 18 species of Minnesota native wildflowers and 14 species of native grasses, sedges and bulrushes. The seed count for this mix totals 10% wildflowers and 90% grasses, sedges and bulrushes. It is intended for wetland conservation projects, but the wildflowers provide scattered accent color throughout the spring, summer, and early fall. This mix should be seeded in areas where the water table is near the soil surface, at least in the spring and fall (ground is spongy and wet), such as gradual transition lake edges.

*Seed mixes are sold in packages intended to cover 500 square feet in area.

*Seeding instructions are included in the seed packet.



Itasca County SWCD
1889 East Hwy 2
Grand Rapids, MN 55744

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Native Tree Information



Trees	Preferred Soil	Sun*	Spacing (ft)**	Mature Height	Growth Rate	Other Traits
Conifers						
Black Spruce (<i>Picea mariana</i>)	WET	FP	10+	50'	Slow	Tolerates periodic flooding and saturated soil. Good species for vegetating wetlands to trees.
White Cedar (<i>Thuja occidentalis</i>)		FPS	8+	45'	Slow	Fragrant foliage, tolerates range of soil and sun conditions, majestic appearance.
Tamarack (<i>Larix laricina</i>)	MOIST	F	15+	60'	Moderate	Needles turn golden yellow in autumn before dropping. Needs full sun.
Balsam Fir (<i>Abies balsamea</i>)		FPS	8+	60'	Moderate	Grouse, deer and song-bird cover; good wind and visual barrier species.
White Spruce (<i>Picea glauca</i>)		FPS	12+	100'	Moderate	Good living fence species. Ground and canopy cover for wildlife.
White Pine (<i>Pinus strobes</i>)		DRY	FP	15+	100'	Fast
Red Pine (<i>Pinus resinosa</i>)	F		15+	100'	Fast	MN. state tree, reddish colored bark, can reach 100 feet in height and 3 feet in diameter.
Broadleaf Deciduous						
Silver Maple (<i>Acer saccharinum</i>)	WET	FP	25+	80'	Fast	Naturally a river bottom species, but tolerates a range of soil conditions wet to moderately dry.
Red Maple (<i>Acer rubrum</i>)	MOIST	FPS	15+	70'	Moderate	Bright red fall foliage, and red buds in the spring. Common yard tree for shade and fall color.
Bur Oak (<i>Quercus macrocarpa</i>)		FP	30+	60'	Slow	Large broad canopy, stout branches, unique "corky" bark, acorns for wildlife.
Northern Red Oak (<i>Quercus rubra</i>)		FP	25+	80'	Moderate	Dark red fall foliage, acorns for wildlife, desirable lumber species.
Paper Birch (<i>Betula papyrifera</i>)		F	20+	70'	Fast	White papery bark, grows on a range of sites from relatively wet to relatively dry.

*Sun requirements: F = Full sun, P = Partial sun, S = Shade tolerant

**Spacing recommendations assume that future thinning will not be done.

Native Shrub Information

Shrubs	Preferred Soil	Sun*	Spacing	Height	Berries	Flower	Bloom	Other Traits
Red-Osier Dogwood (<i>Cornus sericea</i>)	WET	FP	2+ ft	3-8'	Small white/ Attract birds in fall	White	June- July	Red stems, especially bright in later winter
High-Bush Cranberry (<i>Viburnum trilobum</i>)		FPS	4+ ft	6-10'	Bright Red/Jellies, etc /Attract birds & grouse	White/ Unique	June	Maroon fall foliage /Maple shaped leaves
Nannyberry (<i>Viburnum lentago</i>)		FP	6+ ft	10-20'	Dark purple, attract songbirds & grouse	White/ Large	May- June	Dark red fall foliage
WILDLIFE PACKET **Details below		FP	4+ ft	Varies	Attract songbirds, grouse & deer	White & pink	May- June	Future acorns attract deer and squirrels
American Plum (<i>Prunus americana</i>)	MOIST	F	6+ ft	6-10'	1" diameter, red, sweet, and attract deer	White/ Fragrant	May	Prolific, white spring bloom
Red Elderberry (<i>Sambucus racemosa</i>)		FP	6+ ft	7-10'	Red, in clusters, and attract songbirds	White/ Unique	May- June	Large, vertical, round flower bloom
Gray Dogwood (<i>Cornus racemosa</i>)		FPS	5+ ft	7-10'	Subtle white, and attract songbirds	Subtle White	June- July	Red stems fall & winter/ Maroon fall foliage
Chokecherry (<i>Prunus virginiana</i>)		FP	8+ ft	8-15'	Bright red, and attract songbirds and grouse	White/ Columns	May- June	Bitter raw, but good for jams and such
Crabapple (<i>Malus ioensis</i>)		F	8+ft	10-20'	1" diameter and red	Pink to White	May	Fruit especially attractive to deer
Blackberry (<i>Rubus occidentalis</i>)		FP	2+ ft	3-6'	MN native Blackberries	White/ Subtle	May- June	Thorny stems/ Thicket forming
Red Raspberry (<i>Rubus idaeus</i>)		FP	2+ ft	3-6'	MN native Raspberries	White/ Subtle	May- June	Prickly stems/ Thicket forming
Bush Honeysuckle (<i>Diervilla lonicera</i>)		FPS	1.5+ ft	2-4'	None	Yellow/ Subtle	June- July	Reddish tint to foliage spring through fall
Juneberry (<i>Amelanchier alnifolia</i>)		FP	5+ ft	5-10'	Blue/Edible for humans & good raw/Songbirds	Large/ White	May- June	Also known as Serviceberry
***Low Bush Blueberry (<i>Vaccinium angustifolium</i>)		FP	1+ ft	1-2'	MN native blueberries/ Typically ripen in July	Subtle/ White	May- June	Pinkish-red fall foliage/ ***See note below
Staghorn Sumac (<i>Rhus hirta</i>)	DRY	F	3+ ft	5-10'	None	Whitish Green	June- July	Seed attracts birds/ Scarlet fall foliage

* F = Full Sun, P = Partial Sun, S = Shade Tolerant

**Wildlife packet includes: 2 high-bush cranberry, 2 crabapple, 2 american plum, 2 juneberry, 2 chokecherry, and 10 bur oak

***Blueberries require well drained, acidic soil; it's recommended that compost be incorporated into the soil to provide adequate acidity.

Native Perennial Wildflower and Grass Information

Wildflowers	Preferred Soil	*Sun	Height	Flower	Bloom Period	Other Traits
Blue Flag Iris (<i>Iris versicolor</i>)	WET	F	1-2'	Bluish-Purple	May-July	Large showy flower / Good water's edge species
Swamp Milkweed (<i>Asclepias incarnata</i>)		FP	2-4'	Medium Pink	June-August	Attract Monarch Butterflies / Good shoreline species
Spotted Joe-Pye Weed (<i>Eupatorium maculatum</i>)		FP	2.5-4'	Dark Pink	July-September	Good shoreline species / Attract butterflies
White Turtlehead (<i>Chelone glabra</i>)		FP	2-3'	White	July-September	Flower head clumps of large unique round white flowers
Blue Vervain (<i>Verbena hastata</i>)		F	2.5-5'	Purple	July-September	Good shoreline species / Readily reseeds
Canada Anemone (<i>Anemone canadensis</i>)		FP	1-2'	White	May-June	Natural spread via roots/form clusters
Fireweed (<i>Epilobium angustifolium</i>)		FP	2-4'	Pinkish-Red	June-August	Spreads via roots and seed/patch forming
Wild Bergamot (<i>Monarda fistulosa</i>)	MOIST	FP	2-4'	Lite Purple	July-August	Attracts butterflies and hummingbirds / Aromatic
Blue Hyssop (<i>Agastache foeniculum</i>)		FP	1-3'	Bluish-Purple	July-August	Mint family / Fragrant foliage resembles black licorice
Native Sunflower (<i>Helianthus pauciflorus</i>)		F	4-6'	Bright Yellow	July-August	Erect stems with multiple flowers per stem
Columbine (<i>Aquilegia canadensis</i>)		FPS	2-3'	Red & Yellow	May-July	Attracts Hummingbirds / Shade tolerant
Prairie Rose (<i>Rosa arkansana</i>)		F	2-4'	Lite Pink	June-July	Technically a small woody shrub
Black-Eyed Susan (<i>Rudbeckia hirta</i>)		FP	2-3'	Yellow	June-September	Hearty and versatile / Long bloom period
Butterfly Weed (<i>Asclepias tuberosa</i>)		FP	1-2'	Orange	July-August	Unique, large, showy, orange flower heads
Purple Coneflower (<i>Echinacea angustifolia</i>)		F	2-3'	Purplish-Pink	June-August	Large showy seed head and flower bloom
Prairie-smoke (<i>Geum triflorum</i>)		F	.5-1'	Purplish-Red	April-June	Known as "Old Man's Whiskers" due to unique seed head
Wild Lupine (<i>Lupinus perennis</i>)		F	2-4'	Bluish-Purple	June-July	Host plant for the endangered Karner Blue Butterfly
Rough Blazing Star (<i>Liatris aspera</i>)	DRY	F	2-3'	Purple	August-Sept.	Numerous moderate sized flowers on each vertical stem

Native Grasses	Preferred Soil	*Sun	Spacing	Height	Other Traits	
Woolgrass (<i>Scirpus cyperinus</i>)	WET	FP	Typically 6-12 inches	3-5'	Large unique seed heads / Good shoreline stabilization species	
Canada Blue Joint (<i>Calamagrosti canadensis</i>)		F		3-5'	Good spread via roots / Good shoreline stabilization species	
Indian Grass (<i>Sorghastrum nutans</i>)	MOIST	F		2-5'	Soft, fluffy, copper colored seed heads in the fall	
Big Bluestem (<i>Andropogon gerardii</i>)		F		2.5-5'	Redish-Bronze color / Also known as "Turkey Foot" due to seed head	
Side Oats Grama (<i>Bouteloua curtipendula</i>)		DRY		F	1.5-3'	Seeds have reddish-orange flecks of coloring in early fall
Northern Dropseed (<i>Sporobolus heterolepis</i>)				F	2-4'	Dense clumps of long, wire-thin grass blades that radiate out in a circle
Little Bluestem (<i>Schizachyrium scoparium</i>)		FP		1-2.5'	Orange-Bronze hint spring & summer, & even more colorful in the fall	

*Sun Requirements: F = full sun, P = partial sun, S = shade tolerant

2012 ORDER FORM

Check #:

Date Received:

*Contact Andy or Matt with questions:

(218) 326-0017

*Orders should be made payable and mailed to:

Itasca SWCD

1889 E. Hwy 2 - Grand Rapids, MN. 55744

Name:		Date:	
Address:			
City/State:		Zip:	
Daytime Phone:			

Tree Ordering Information	Species	# of Units	Total Cost	
<p>*Containerized stock, meaning the roots of the trees are protected in a soil plug.</p> <p>*Trees are dormant and wrapped in bundles of ten.</p> <p>*Size Information: *Seedlings - 1 and 2 year stock – typically 6 to 8 inches *Extra Flush - 2 and 3 year stock – most 8 to 12 inches</p> <p>*Cost: *Seedlings - \$10/unit of 10 trees *Extra Flush - \$15/unit of 10 trees</p> <p>*Minimum Order: 1 unit of ten trees – all same species and size</p>	Black Spruce - <i>seedlings</i>			
	White Cedar - <i>seedlings</i>			
	Tamarack - <i>extra flush</i>			
	Balsam Fir - <i>extra flush</i>			
	White Spruce – <i>extra flush</i>			
	White Pine – <i>extra flush</i>			
	Red Pine – <i>seedlings</i>			
	Silver Maple - <i>extra flush</i>			
	Red Maple - <i>seedlings</i>			
	Bur Oak - <i>extra flush</i>			
	Northern Red Oak – <i>extra flush</i>			
	Paper Birch - <i>seedlings</i>			
	Wildlife Packet	See shrub section of handout for more information		
	Cost: \$65/unit (1 unit includes 10 shrubs and 10 trees)			
Shrub Ordering Information	Red-Osier Dogwood			
<p>*Available in 4 inch pots, and actively growing.</p> <p>*Shrub Height: typically 7 to 10 inches</p> <p>*1 Unit = 5 pots/shrubs – all same species</p> <p>*Cost: \$25/Unit of 5</p> <p>*Minimum order: 1 unit of five shrubs, all same species</p>	High-Bush Cranberry			
	Nannyberry			
	American Plum			
	Red Elderberry			
	Grey Dogwood			
	Chokecherry			
	Crabapple			
	Blackberry			
	Red Raspberry			
	Bush Honeysuckle			
	Juneberry			
	Low Bush Blueberry- <i>new for 2012</i>			
	Staghorn Sumac			
	Wildflower – Ordering Information	Blue Flag Iris		
<p>*Available in 6 packs of actively growing plants.</p> <p>*Size of soil plugs: Approximately 2 inches square by 2 inches deep.</p> <p>*Plant size: Most 5-8 inches tall.</p> <p>*Cost: \$8/six pack</p> <p>*Minimum order: one unit = one 6 pack, all same species.</p>	Swamp Milkweed			
	Spotted Joe-Pye Weed			
	White Turtlehead			
	Blue Vervain			
	Canada Anemone			
	Fireweed			
	Wild Bergamot			
	Blue Hyssop			
	Native Sunflower			
	Columbine			
	Prairie Rose			
	Black-Eyed Susan			
	Butterfly Weed			
	Purple Coneflower- <i>new for 2012</i>			
	Prairie Smoke- <i>new for 2012</i>			
	Wild Lupine			
	Rough Blazing Star			

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Native Grasses – Ordering Information	Species	# of Units	Total Cost
*Available in 6 packs ; 6 plugs of actively growing grass. * Grass height: typically 4 to 6 inches *Size of each soil plug: 2 inches square by 2 inches deep. * Cost: \$8/six pack *Minimum order: one unit = one 6 pack, all same species	Woolgrass		
	Canada Blue Joint		
	Indian Grass		
	Big Bluestem		
	Side Oats Grama		
	Northern Dropseed		
	Little Bluestem		
Wildflower and Grass Seed Mixes	Seed Mix Type	# of Bags	Total Cost
* Cost: \$30 per bag (one bag will seed 500 sq ft) *Minimum order: 1 bag	Upland		
	Wetland		
Deer Browse Prevention Products	Item	Units	Total Cost
* Tree Shelters are yellow plastic mesh, 4 inches in diameter and 3 feet tall, with a 4 foot bamboo stake: \$15 per unit of 10 * Plantskydd deer and rabbit repellent: \$30/quart or \$35/1 lb of powder concentrate (see the narrative below for more information)	Tree Shelters		
	Plantskydd - pre mixed quart		
	Plantskydd - 1 lb powder concentrate		
PURCHASE SUBTOTAL			
PRE DECEMBER 1st 2011 ORDER AND FULL PAYMENT - 10% DISCOUNT			
SUBTOTAL AFTER DISCOUNT			
SALES TAX (6.875%) – Multiply by .06875			
TOTAL COST (orders under \$50.00, please pay in full)			
NON-REFUNDABLE DEPOSIT (Please include at least 50% of total cost)			
BALANCE DUE (at time of stock pick-up)			
I understand that the Itasca SWCD reserves the right to substitute stock if needed. I further understand that the SWCD does not guarantee survival, or replace any planting stock for free. After planting stock is picked up by the customer, the SWCD is no longer responsible for its condition.			
Customer's Signature:			Date:

Important 2012 Ordering Information:

- 🌿 Pictures of all species can be viewed on our website: www.itascaswcd.org, or in our office at 1889 E. Hwy 2-Grand Rapids.
- 🌿 Contact Andy or Matt with any questions, at the Itasca SWCD office: 218-326-0017, 1889 E Hwy 2 in Grand Rapids, or andy.arenas@itascaswcd.org / matt.johnson@itascaswcd.org
- 🌿 **Orders are filled in the order received, so place orders early for best availability.**
- 🌿 **Deadline for ordering is Friday April 27th, 2012.**
- 🌿 The Itasca SWCD sale is not limited to Itasca County residents, but keep in mind that the SWCD office in the county you live in, may offer a tree and plant sale as well.
- 🌿 If you are a tax-exempt organization, a MN tax exempt certificate form ST3 must be included with your order.
- 🌿 **Orders will be available for pick-up in the Grand Rapids area (likely in the Children's Barn at the Itasca County Fairgrounds) Thursday and Friday May 17th and 18th, 2012 from 11am to 6pm.**
- 🌿 **A pick-up reminder will be mailed a week or so prior, and an invoice will be included if you owe a balance.**
- 🌿 Planting instruction materials will be available at the time of stock pick-up.

Plantskydd Deer and Rabbit Repellent:

Plantskydd is a topical deer repellent. It's a blood derivative and it triggers a predatory reaction in deer. This means that deer don't have to taste the tree, shrub, or wildflower, to decide they don't like it, they simply smell it and leave it alone. Fall and spring is when most browsing occurs, when green foliage is limited. In other words, application twice a year is adequate; in the fall just before the leaves change color, and in the spring as soon as the snow melts. The pound of powder concentrate needs to be mixed with water and makes four quarts, and each quart of Plantskydd (pre-mix or concentrate) will treat 100 plants, one foot tall. Storage of opened pre-mixed Plantskydd isn't recommended, but un-used portions of the powder concentrate can be properly stored for years.