



## AQUATIC INVASIVE SPECIES (AIS) REPORT FOR TODD COUNTY

### Goal: Slow the spread of AIS within Todd County

Within Todd County there are 14 water bodies infested with AIS. This year three new Zebra Mussel infestations were confirmed in Little Birch, Guernsey and Little Sauk. A fairly new invasive species, Starry Stonewort, has not been identified in any Todd County lakes but has been found in Koronis, Grand and Rice in Stearns County and in popular lakes such as Cass, Upper Red Lake, Minnewaska and Winnibigoshish amongst others.

#### **If a lake you care about is infested with Zebra Mussels....** – Excerpt from the July 30, 2017 Star Tribune article by Tony Kennedy

“Zebra mussels won’t kill a lake. In fact, they make the water clearer. But they deplete the productivity and diversity of fish communities.

The mussels use their sticky, elastic tentacles to attach to gravel, rocks, underwater plants, docks, swimming rafts and boat hulls. If stepped on, their bladed edges can slice open a foot.

Some lakes may be less at risk of infestation because of water chemistry, exposure to sunlight or currents. Once established, though, the mussels gobble the nutrients from water they filter at the rate of 1 liter per mussel per day. The nutrients are essential to the livelihood of smaller, native organisms and forage fish in a lake, which in turn are the food supply of larger fish like walleye.

“A simple way to look at it is that they take out the base of the food web,” said Mike McCartney, lead zebra mussel researcher at the Minnesota Aquatic Invasive Species Research Center. “People should be freaked out a little.”

The mussels reproduce at an alarming rate. A single female zebra mussel can produce a half billion adult offspring in her lifetime. In three to five years, beds of adult mollusks often coat bottom areas of a lake or river.

McCartney and a cohort of DNR experts say fighting the mussels is not a lost cause. Research should be accelerated, they say, because – as bad as the state’s infestation is – fewer than 5 percent of Minnesota lakes are currently contaminated.

Watercraft inspections will remain critical, McCartney said, as will improved detection methods and more pesticide trials. If there’s good news, it’s that the tiny invaders aren’t spreading as fast in Minnesota as they are in less-vigilant states.”

**A Todd County Aquatic Invasive Species (AIS) plan was prepared with input from interested parties including Lake Associations and County Commissioners and is headed by the Todd County SWCD. Funds came from the County AIS Prevention Aid allocated by the State of Minnesota Legislature in 2014.**

[www.co.todd.mn.us/departments/ais/aquatic\\_invasive\\_species](http://www.co.todd.mn.us/departments/ais/aquatic_invasive_species)





# Todd Soil & Water Conservation District 2018 Tree & Plant Order Form

215 1st Avenue South, Suite 104, Long Prairie, MN 56347 Phone: 320-732-2644 E-mail: sarah.katterhagen@co.todd.mn.us

Name:				Phone:		
Street Address:						
City:				State:		ZIP:
E-mail:						

\*\*\*\* Bare Root Nursery Stock: 18-24 inches \*\*\*\* 25 TREES IN A BUNDLE \*\*\*\*

	Species	Drought Tolerance	Mature Height	Growth Rate	# of Bundle	Price/ Bundle	Cost
Conifers	Balsam Fir	Fair	40-60'	Moderate/Rapid		\$ 31.25	
	Tamarack	Poor	40-70'	Slow/Moderate		\$ 31.25	
	Norway Pine	Good	60-80'	Moderate/Rapid		\$ 31.25	
	Norway Spruce	Fair	40-60'	Rapid		\$ 31.25	
	White Cedar	Good	50-60'	Slow/Moderate		\$ 31.25	
	White Spruce	Fair	40-60'	Moderate/Rapid		\$ 31.25	

Tall Trees	American Linden (Basswood)	Poor	50-70'	Moderate		\$ 31.25	out of stock
	Paper Birch	Fair	50-70'	Moderate/Rapid		\$ 31.25	
	Red Maple	Good	40-60'	Rapid		\$ 31.25	
	Red Oak	Poor	40-60'	Rapid		\$ 31.25	
	Silver Maple	Fair	100' +	Rapid		\$ 31.25	
	Sugar Maple	Poor	80' +	Slow/Moderate		\$ 31.25	

Short Trees / Shrubs	American Plum	Fair	20-30'	Rapid		\$ 31.25	
	Chokecherry	Good	10-15'	Moderate/Rapid		\$ 31.25	
	Common Lilac	Good	8-15'	Moderate		\$ 31.25	
	American Hazelnut	Fair/Good	up to 12'	Moderate		\$ 31.25	
	Elderberry	Poor	6-8'	Moderate		\$ 31.25	
	High Bush Cranberry	Fair	10-15'	Moderate		\$ 31.25	
	Nanking Cherry	Fair/Good	6-10'	Moderate		\$ 31.25	
	Red Splendor Flowering Crab	Fair	15-20'	Moderate/Rapid		\$ 31.25	
	Redosier Dogwood	Poor	7-10'	Moderate		\$ 31.25	

\*\*\*\* PACKETS 15 TREES/PACKET \*\*\*\*

Packets	Shoreland Packet (15 trees): 5 Paper Birch, 5 Redosier Dogwood, 5 White Spruce		\$ 22.50	
	Wildlife Packet (15 trees): 5 Red Oak, 5 High Bush Cranberry, 5 White Cedar		\$ 22.50	
	Pollinator Packet (15 trees): 5 American Plum, 5 Chokecherry, 5 Nanking Cherry		\$ 22.50	

\*\*\*\* ONE GALLON POTTED STOCK \*\*\*\*

Potted	15-18" 1 Gallon Potted White Spruce		\$8.00/Tree	
	15-18" 1 Gallon Potted Norway Pine		\$8.00/Tree	
	15-18" 1 Gallon Potted Norway Spruce		\$8.00/Tree	

\*\*\*\*Kits include 36 plant plugs--6 of each species. Each kit covers 50-80 square feet (1.5 foot spacing)\*\*\*\*

KITS	Pollinator Kit	Wild Bergamot, Showy Milkweed, Blanket Flower, Smooth Penstemon, Golden Alexandars, & Narrow Leaved Coneflower	\$45.00/Kit	
	Lakeshore/Rain Garden Kit	Swamp Milkweed, Obedient Plant, New England Aster, Fox Sedge, Culver's Root & Black Eyed Susan	\$45.00/Kit	
	Woodland Edge/Shade Kit	Pennsylvania Sedge, Zig Zag Goldenrod, Golden Alexandars, Large-Leaf Aster, Stiff Goldenrod & Sky Blue Aster	\$45.00/Kit	

**THANK YOU FOR YOUR ORDER!**

Tree Pick up will be end of April or beginning of May in Long Prairie at the fairgrounds. We will notify you by postcard the date of pick up

**Subtotal**

Sales Tax: 7.375 %

**Quantities are Limited in some species and are sold on a first come basis**

**Grand Total w/ Tax**