



## Becker Soil & Water Conservation District

809 8<sup>th</sup> St SE  
 Detroit Lakes, MN 56501  
 218-846-7360

### Minnesota 2009 New Noxious Weed Law

There have been changes to the procedure of designating noxious weeds to the Minnesota Prohibited Weed List. There is a Noxious Weed Advisory Committee who evaluates weed species, develop categories and place on weed list. The County Noxious Weed list is chosen by each county and approved by County Commissioners then sent to Commissioner of Agriculture for approval. On March 14, 2011 the Commissioner approved the following 2011 Noxious Weed List, with the Becker County list approved April 12, 2011.

Minnesota Prohibited Noxious Weeds	
Eradicate List	Control List
Yellow Starthistle, <i>Centaurea solstitialis</i> L.	Purple Loosestrife, <i>Lythrum salicaria</i> (L.)
Oriental Bittersweet, <i>Celastrus orbiculatus</i> Thunb.	Garlic Mustard, <i>Alliaria petiolata</i> (M. Bieb.) Cavara & Grande
Grecian Foxglove, <i>Digitalis lanata</i> Ehrh.	Leafy Spurge, <i>Euphorbia esula</i> (L.)
	Canada Thistle, <i>Cirsium arvense</i> (L.) Scop.
	Musk Thistle, <i>Carduus nutans</i> (L.)
	Plumeless Thistle, <i>Cardus acanthoides</i> (L.)
	Wild Parsnip, <i>Pastinaca sativa</i> L.
	Common Tansy, <i>Tanacetum vulgare</i> L.
	Spotted Knapweed, <i>Centaurea stoebe</i> L. ssp. <i>micranthos</i> (Gugler) Hayek
Restricted Noxious Weeds	
	Common or European Buckthorn, <i>Rhamnus cathartica</i> (L.)
	Glossy Buckthorn (all cultivars), <i>Frangula alnus</i> Mill.
Specially Regulated Plants	
Poison Ivy, <i>Toxicodendron radicans</i> (L.) Kuntze Must be eradicated for public safety along rights-of-ways, trails, public accesses, business properties open to public or on parts of lands where public access for business or commerce is granted.	
Becker County Noxious Weeds	
	Absinthe Wormwood, <i>Artemisia absinthium</i>
	Hoary Alyssum, <i>Berteroa incana</i>
	Houndstongue, <i>Cynoglossom officianale</i> L.

If you have any questions please call Marsha Watland, Becker County Agriculture Inspector at 218-847-3002 or stop in at Becker Soil & Water Conservation District, 809 8<sup>th</sup> St. SE, Detroit Lakes.

### Measurements for Small Areas or Spot Treatment

#### 1. Meant for ATV type sprayers or hand held sprayers

To make 1 gallon of spray solution to cover 1,000 sq. ft.			
Herbicide Ounces/Acre	Oz. of Herbicide Solution	Mls of Herbicide solution	Cups of Herbicide Solution
4 oz/acre	2.8	83	1/3
8 oz/acre	5.6	166	2/3
12 oz/acre	8.5	249	1

#### 2. Spot Application: For herbicide ratio 1 oz/acre

Example: Mix **one gram** of Metsulfuron (Escort XP) or Chlosulfuron (Telar XP) per **gallon** of water + suitable adjuvant + water conditioner. Spray to the point of wetting the entire surface of target weeds, do not soak soil, approximately 35 gallons of solution per acre.

¼ teaspoon = 1 gram

#### 3. Order of Mixing Herbicide: These steps improve herbicide uptake.

First: Mix herbicide in water (If granule or powder use warm water)

Second: Mix conditioner in mixture if using hard water otherwise use soft water.

Third: Last add surfactant

# Herbicide Treatments in Becker County

This list is intended ONLY as a general reference sheet of what has been donated and/or recommended by Pulling Together Initiative Partners and used at the invasive plant sites in our cost-share program. [www.co.becker.mn.us](http://www.co.becker.mn.us) Dept. Soil & Water

DuPont Telar (Chlorsulfuron) (45 day residual) No restrictions on grazing	Common Tansy, Wild Parsnip, Canada Thistle, Musk Thistle	1 oz/acre + surfactant
DuPont Escort (Metsulfuron) (30 day residual) No restrictions on grazing	Common Tansy, Wild Parsnip, Canada Thistle, Musk Thistle, Plumeless Thistle, Absinth Wormwood & Houndstongue Wild Parsnip in trees (dormant deciduous in fall, evergreens in September)	1 oz/acre + surfactant
Dow Transline (Clopyralid) (up to 2 years residual)	Spotted Knapweed, Crown Vetch, Canada Thistle, Perennial Sowthistle	1 pint/acre + surfactant
Dow Milestone (Aminopyralid) (2-5 year residual) No restrictions on grazing	Spotted Knapweed, Bull Thistle Musk Thistle, Plumeless Thistle,	4 oz./acre + surfactant 5-6 oz/acre sandy/gravel soil + surfactant
Dow Milestone (Aminopyralid) (2-5 year residual) No restrictions on grazing	Absinth Wormwood	5-7 oz/acre + surfactant
BASF Overdrive (30 day residual)	Spotted Knapweed, Wild Parsnip, Bull Thistle, Musk Thistle, Plumeless Thistle, Perennial Sowthistle, Canada Thistle	8 oz/acre + surfactant
BASF Plateau	Leafy Spurge (late summer or fall)	8-12 oz/acre + surfactant
BASF Plateau	Bull Thistle and Musk Thistle	1.9-3 oz/gal for spot treatment
Dow Opensight (Roadside) Chaparral (CRP, natural areas, grazed areas) No restrictions on grazing	Spotted Knapweed, Common Tansy, Wild Parsnip, Absinth Wormwood, Canada Thistle, Purple Loosestrife, Houndstongue	3 oz/acre + surfactant Residual up to 34 months Do not use on soil with 7.9 pH or higher
Dow Opensight (Roadside) Chaparral (CRP, natural areas grazed areas, No restrictions on grazing	Perennial Sowthistle, Bull Thistle, Musk Thistle, Plumeless Thistle, Crown Vetch	2.5 oz/acre + surfactant Residual up to 34 months Do not use on soil with 7.9 pH or higher
2,4-D	Spotted Knapweed, Wild Parsnip, Houndstongue	Spring & Fall Rosette
Choice (Water Conditioner)	To be used with hard water to increase solubility	1 cup/acre 1/3-2/3 fluid ounce/gallon

## Herbicide Mixtures Used for Treatment on Invasive Weeds in Becker County (These mixtures have had positive results in test sites)

Wild Parsnip, Common Tansy, Absinth Wormwood	.5 oz <b>Telar</b> /acre + .5 oz <b>Escort</b> /acre + 1/3 cup/acre Liberate(surfactant ) 5 oz <b>Milestone</b> /acre + .5 oz <b>Escort</b> /acre + 1/3 cup/acre Liberate 5 oz <b>Milestone</b> /acre + .5 oz <b>Telar</b> /acre + 1/3 cup/acre Liberate
Leafy Spurge -Biological Control -Herbicide application: when true flowers and seeds are developing in June, after the stems have developed new fall regrowth in early-mid September.	12 oz/acre <b>Plateau</b> + 1 pint/acre <b>2,4-D</b> + surfactant (fall application) Or <b>Tordon k</b> @1 pint/acre + <b>Plateau</b> @ 4 oz/acre + <b>2,4-D</b> @ 1 pint/acre + Surfactant
Spotted Knapweed -Apply rosette stage to mid-bolting -Spring or September/October -Mow prior to producing seed - Biological Control	8 oz <b>Overdrive</b> /acre + 1/3 cup/acre Liberate(surfactant) 4 oz <b>Milestone</b> /acre + 1/3 cup/acre Liberate (surfactant) 5 oz <b>Milestone</b> /acre + 1 cup/acre Liberate (surfactant) mixture used for gravel pits or sandy/gravel soil structure 2,4-D low volatile formula used only at rosette stage in spring & fall 2,4-D + Clopyralid in early spring, before flowering & fall rosette
Common Tansy: Pulling or mowing used alone has little effect, purpose to reduce seed production (use gloves due to toxicity). Herbicide treatment applied when 4"-12" tall to early flowering stage for best results. Clipping before seed set and then fall application has been effective.	
Wild Parsnip: -Mechanical, remove just below soil surface, use gloves when pulling weeds, due to the toxicity. Mowing will not kill plant but reduce seed production. Herbicide treatment applied at rosette stage, very effective when applied in late fall (late September -October) and other plant material are dormant or early spring. One treatment won't be sufficient.	
Houndstongue: mechanical, remove a good portion of taproot if hand-pulling or remove tap root 2" below surface	3 oz/acre Chapparal or Opensight + 2,4-D, this is needed till seed in the seedbank is no longer viable

\*Follow label directions for application, use safe procedures at all times, don't apply to water, breeze should be less than 10 mph at time of application. **A property owner is not limited to these herbicides. Consult your local herbicide dealers.**