

Nutrien Solutions--- Invasive Species Control Recommendations

Amur Cork Tree

Basal/cut stump--Garlon 4 Ultra 20%+ **Bark Oil**
Garlon 4 Ultra @ 5%-Foliar

Aspen or Cotton wood

7 oz. Milestone or 0.5 oz. per gallon of water
7 oz. Method

Autumn Olive

2 oz. Escort XP or 1 tsp. per gallon of water
2% Garlon 4 Ultra

Black locust

5% Transline with Bark **Oil** LT for basal bark
3% Milestone with **Bark Oil** LT for basal bark
16 oz. Transline per 50-gallon water for foliar
14 oz. Milestone per 50 gallons water for foliar – spot spray
12 oz. Method

Box Elder

20% Garlon 4 - basal or cut surface-with **Bark Oil LT**
2% Garlon – foliar
7oz. Method or Milestone

Buckthorn

Basal/cut stump--Garlon 4 Ultra 20%+ **Bark Oil**
Basal/cut stump--Progeny 25% +**Bark Oil**
Pathfinder II (ready to use Garlon 4 at 18%)
Garlon 4 Ultra @ 5%-Foliar

Canada & other thistles

7 oz Milestone or .25 oz /gal
16 oz Transline or .5 oz/gal

Cattail

1 qt. Arsenal/Polaris or 1%
10% Rodeo or AquaNeat

Crown & Cow Vetch

16 oz. Transline or 0.5 oz. per gallon of water
7 oz. Milestone or 0.33 oz. Milestone per gallon of water
3 oz. Opensight
1 oz. Escort XP

Garlic mustard

3% Rodeo/Aquaneat (Glyphosate)
1.5 oz of Oust XP per acre (Stock Solution recipe)
2 oz. Detail per acre
2-3% Garlon
If blooming add 0.5 oz. Diquat per gal water

Grecian Foxglove

1 oz. Escort XP
3.3 oz. Opensight

Hedge Parsley

1 oz. Escort XP or 0.5 teaspoon per gallon of water

Honeysuckle

7.5% Rodeo (Glyphosate 53.8%)
10% of 41% Glyphosate
25% Progeny with Oil---basal or cut surface
5% Progeny foliar
1% Vanquish foliar
4% Vanquish basal bark

Japanese Barberry

2-3% Garlon
2 oz. Escort XP

Japanese Knotweed

1% Arsenal/Polaris
0.5 oz. Milestone per gallon of water **DON'T** spray before
August 1st
4% Vanquish

Leafy spurge

0.5 oz. Milestone /gallon - (spot treat only)
8 oz. Method
12 oz. Plateau

Multiflora Rose

1 oz. Escort XP or 1 teaspoon per gallon of water
1-2% Garlon
2% Progeny

Oriental Bittersweet

20% Garlon 4-basal or cut surface-with **Bark Oil LT**
Pathfinder II (ready to use Garlon 4 at 18%)
2% Garlon – foliar

Phragmites

64 oz. Arsenal/Polaris or 2%
10% Rodeo or AquaNeat

Poison Ivy

1-2% Garlon
2% Progeny

Prickly ash

20% Garlon 4 Ultra for basal bark
1-2% Garlon for foliar
1.5 oz Escort per 50 gallons water

Purple Loosestrife

2% Garlon 3A
2% Aqua Sweep
2% Rodeo
1.25% Vastlan

Reed canary grass

12 oz. Plateau
2 oz. Oust XP
32 oz. Journey
1-2% Intensity
10% Rodeo late Season

All products should include MSO or Liberate surfactant

Spotted knapweed

10.6 oz. per gallon of water Transline
5 oz. Milestone or 0.25% solution

Sumac

1-2% Garlon
5% Milestone with Bark Oil
7 oz. Milestone per 50 gallons water for foliar

Sweet Clover

10.6 oz. per gallon of water Transline
5 oz. Milestone
1 oz. Escort XP

Tansy

1 oz. Escort XP

Teasel

16 oz. Transline
7 oz. Milestone
1 oz. Escort XP

Wild Chervil

1 oz. Escort XP or ½ tsp. /gal.
3.3 oz. Opensight early season
Add 1 oz. Detail during late flowering for seed suppression

Wild parsnip

1 oz. Escort XP or 0.5 teaspoon per gallon of water
3.3 oz. Opensight early season (rosettes)
Add 1 oz. Detail during late flowering for seed suppression

Wild Carrot or Queens Anne's Lace

1 oz. Escort
3.3 oz. Opensight



If recipe sheet states product in ounces, that is the rate per acre. If product is listed as a %, that is the amount to mix in one-gallon water. When using rate per acre, one must calibrate your sprayer before application. Each herbicide recommended for an individual weed, is to be used separately and not all herbicides recommended are to be mixed together. Only use herbicides when 85 degrees Fahrenheit or cooler. All mixtures should include a surfactant, like MSO with Leci-Tech, *Activator 90* or *Liberate* (can all be used in Aquatic sites) to help herbicide penetrate the leaf surface.

¹ All products or rates recommended by **Rick Schulte: Nutrien Solutions** and **Lee Shambeau: 4 Control**: other rates or products are possible to use on these species. Read and follow all label instructions.

Sites for Labels & MSDS's

www.cdms.net/LabelsMsds/LMDefault.aspx

Nutrien Ag Solutions

www.nutrienagsolutions.com

For registered products and applicators in Wisconsin

www.kellysolutions.com/wi/

for registered products and applicators in Minnesota

<http://www.kellysolutions.com/MN/>

Weed Identification Tool

<http://www.weedid.wisc.edu/weedid.php>

Rick Schulte Nutrien

DeForest, WI

608-770-4041

rick.schulte@nutrien.com

Dale Sutherland

Bovey, MN

218-259-3605

dale.sutherland@nutrien.com

Mike Maine

Rochester, MN

507-517-4992

Mike.Maine@nutrien.com

Lee Shambeau

4 Control Inc.

888-454-1121

715-505-4444 Cell

lee@4-control.com

Site for Invasive Plants Association of Wisconsin <http://www.ipaw.org/>

Site for Midwest Invasive Plant Network <http://www.mipn.org/>

Site for Lower Chippewa Invasives Partnership <http://www.lcinvasives.org/>

To order 64 oz. Sprayers or to order herbicides visit www.4-control.com

Call ahead **888-454-1121** to visit Headquarters at

N6864 Cty Rd B, Menomonie, WI 54751

