

**Forest Preserves of Cook County  
Herbicide Guidelines**

Target Species	Herbicide Name	% Solution	Oz. per G	Additional Information
<b>Foliar Application of Woody Plants*</b>				
Autumn Olive	Vastlan (Triclopyr)	4-8%	5-10	Mix w/ water & surfactant for all foliar treatments.
Buckthorns	Vastlan (Triclopyr)	4-8%	5-10	Mix w/ water & surfactant for all foliar treatments.
Barberry	Vastlan (Triclopyr)	4%	5-10	Mix w/ water & surfactant for all foliar treatments.
Black Locust	Transline (Clopyralid)	0.50%	0.64	Mix w/ water & surfactant for all foliar treatments.
Callery Pear	Vastlan (Triclopyr)	4-8%	5-10	Mix w/ water & surfactant for all foliar treatments.
Dogwoods	Vastlan (Triclopyr)	4%	5	Mix w/ water & surfactant for all foliar treatments.
Multiflora Rose	Vastlan (Triclopyr)	3-5%	4-6.5	Mix w/ water & surfactant for all foliar treatments.
Oriental Bittersweet	Vastlan (Triclopyr)	4-8%	5-10	Mix w/ water & surfactant for all foliar treatments.
Honeysuckles	Roundup Custom/ Aquaneat (Glyphosate)	5-10%	6.5-13	Triclopyr is less effective on honeysuckle.
<i>*All woody species above can also be treated with 5-10% Glyphosate (mix w/ water), but this is a non-selective herbicide so great care is needed in sensitive areas.</i>				
<b>Foliar Application of Herbaceous Species**</b>				
Birdsfoot Trefoil	Milestone (preferred)	0.25%	0.32	
	Transline	0.50%	0.64	Upland only. More selective.
Burdock	Vastlan	1.25%	1.6	
	Roundup Custom/ Aquaneat (Glyphosate)	2.50%	3.2	
Bull Thistle	Milestone (preferred)	0.25%	0.32	
	Transline	0.50%	0.64	Upland only. More selective.
Canada Thistle	Milestone (preferred)	0.25%	0.32	
	Transline	0.50%	0.64	Upland only. More selective.
Cattails	Roundup Custom/ Aquaneat (Glyphosate)	3%	4	Aquatic approved.
Crown Vetch	Milestone (preferred)	0.25%	0.32	
	Transline	0.50%	0.64	Upland only. More selective.
Day Lily	Roundup Custom/ Aquaneat (Glyphosate)	2-3%	3-4	
Garlic Mustard	Roundup Custom/ Aquaneat (Glyphosate)	2%	3	Apply @ rosette stage or hand pull & bag.
	Vastlan	1.25%	1.6	Apply @ rosette stage or hand pull & bag.
Lesser Celandine	Roundup Custom/ Aquaneat (Glyphosate)	4%	5	Apply when 50% of population is flowering.
Lily-of-the-Valley	Roundup Custom/ Aquaneat (Glyphosate)	4%	5	
Leafy Spurge	Roundup Custom/ Aquaneat (Glyphosate)	10%	13	
Wild Parsnip	Vastlan (Triclopyr)	1.25%	1.6	
Phragmites	Roundup Custom/ Aquaneat (Glyphosate)	3%	4	
Purple Loosestrife	Vastlan (Triclopyr)	1.25%	1.6	Aquatic approved.

Target Species	Herbicide Name	% Solution	Oz. per G	Additional Information
Foliar Application of Herbaceous Species** (continued)				
Reed Canary Grass	Roundup Custom/ Aquaneat (Glyphosate)	3%	4	
	Poast Plus w/MSO	2%	3	First mix with 1% oil (MSO) then add water. Upland only.
Spotted Knapweed	Milestone (preferred)	0.25%	0.32	
	Transline	0.50%	0.64	Upland only. More selective.
Sweet Clover	Not applicable			Hand pull & bag or brush cut in flower.
Teasels	Milestone	0.25%	0.32	Apply @ flowering, bolting, or rosette stage.
	Transline	0.50%	0.64	Apply @ flowering, bolting, or rosette stage. Upland only.
	Roundup Custom/ Aquaneat (Glyphosate)	2%	3	Apply only @ rosette stage.
Yellow Iris	Roundup Custom/ Aquaneat (Glyphosate)	5%	6.5	
Handwicking				
Cattails	Roundup Custom/ Aquaneat (Glyphosate)	20-33%	26-42	Mix w/ surfactant 1 oz per gallon.
Phragmites	Roundup Custom/ Aquaneat (Glyphosate)	20-33%	26-42	Mix w/ surfactant 1 oz per gallon.
Reed Canary Grass	Roundup Custom/ Aquaneat (Glyphosate)	10-20%	13-26	Mix w/ surfactant 1 oz per gallon.
Tall Goldenrod	Vastlan	5%	6.5	Mix w/ surfactant 1 oz per gallon.
<b>**Always use a non-ionic surfactant for foliar applications, except with Poast Plus use MSO oil.</b>				
Cut Woody Stumps or Chemical Basal Bark Treatments				
Includes but is not limited to Honeysuckle, Black Cherry, Maples, Basswood, Tree-of-Heaven, White Poplar, Green Ash, Boxelder, Buckthorns, Barberry, Locusts, Dogwoods, Poison Ivy, Callery Pear, and Autumn Olive.				
Cut Stump/Basal bark	Garlon 4 (Triclopyr)	25%	32	Must be mixed with basal oil, NO WATER IS ADDED. Do not mix with MSO. <u>Not aquatic approved.</u>
Cut Stump	Roundup Custom/ Aquaneat (Glyphosate) or Vastlan	50%	64	For use in wetlands or close to streams, lakes. Mix w/water. Don't use when temps are below 32 degrees. Must be applied within 1-2 hours of cutting to be effective.
Commonly Used Herbicides & Adjuvants				
Brand Name	Generic Names			Notes
Rodeo	Aquaneat, Glypro, Accord, Roundup Custom			Add a non-ionic surfactant labeled for aquatic use.
Vastlan	Vastlan			Replaced Garlon 3A - use a slightly lower rate. Aquatic approved.
Garlon 4	Tahoe 4, Element 4			Mix with basal oil for stump treatment. NOT recommended for foliar treatment - use Vastlan instead.
Poast Plus	Vantage Grass			Already includes surfactant. First mix w/ MSO oil, then water.
Stinger	Transline	Milestone		For foliar treatment, mix w/ water & surfactant. Upland only.
Adjuvants				
Site/Delux/Bond				Surfactant, use 2-4 oz. per gallon.
Chem-Stick / Penetrate				Surfactant, use 1 oz. per gallon.
Liberate				Surfactant, penetrant, & drift reduction. Use 1 oz per gallon.
Activator 90				Surfactant, use 0.5 oz per gallon.
Clean Cut				Surfactant, use 0.5 oz per gallon.
Signal				Dye, use ~1 oz per 3 gallons.