

New Jersey Invasive Species Strike Team - Herbicide Use Suggestions

Click this link for species-specific recommendations

Sources utilized include:

[Gover and Wagoner - Natural Resource Management Factsheet: Herbicide Selection and Use](#)

[Gover - Use and Characteristics of Herbicides for Non-Crop Weed Control](#)

Percentages (volume/volume)													
General Application Method	NJISST Method ID	Glyphosate ¹	Triclopyr amine ²	Triclopyr ester ³	Clopyralid ⁴	Aminopyralid ⁵	2,4-D ⁶	Proflaminate ⁷	Quizalofop ⁸	Surfactant ⁹	Dye ¹⁰	Water	Oil-based Diluent ¹¹
Foliar Spray	FS-1 - 'General Mix A'	3.75	2.50	--	--	--	--	--	--	0.50	Blue	93	--
Foliar Spray	FS-2 - 'General Mix B'	3.00	--	--	--	--	--	--	--	0.50	Blue	97	--
Foliar Spray	FS-3 - 'General Mix C'	5.00	--	--	--	--	--	--	--	0.50	Blue	95	--
Foliar Spray	FS-4 - 'Broadleaf Mix A'	--	2.50	--	--	--	--	--	--	0.50	Blue	97	--
Foliar Spray	FS-5 - 'Broadleaf Mix B'	--	--	1.70	--	--	2.70	--	--	0.50	Blue	95	--
Foliar Spray	FS-6 - 'Tough Aster Mix A'	--	--	--	0.63	--	--	--	--	0.50	Blue	99	--
Foliar Spray	FS-7 - 'Tough Aster Mix B'	--	--	--	--	0.27	--	--	--	0.50	Blue	99	--
Foliar Spray	FS-8 - 'Grass Mix A'	--	--	--	--	--	--	--	0.38	0.50	Blue	99	--
Basal Bark	BB-1	--	--	25	--	--	--	--	--	--	Red	--	75
Cut Stump	CS-1	50	--	--	--	--	--	--	--	--	Blue	50	--
Cut Stump	CS-2	--	50	--	--	--	--	--	--	--	Blue	50	--
Cut Stump	CS-3	--	--	25	--	--	--	--	--	--	Red	--	75
Hack-and-Squirt	HS-1	50	--	--	--	--	--	--	--	--	Blue	50	--
Hack-and-Squirt	HS-2	--	50	--	--	--	--	--	--	--	Blue	50	--
Hack-and-Squirt	HS-3	--	--	25	--	--	--	--	--	--	Red	--	75
Pre-Emergent	PE-1	--	--	--	--	--	--	*	--	--	*	*	--

Mixing Quantities in Ounces to create 1 gallon of final mix													Final Mix = 128 ounces	
General Application Method	NJISST Method ID	Glyphosate ¹	Triclopyr amine ²	Triclopyr ester ³	Clopyralid ⁴	Aminopyralid ⁵	2,4-D ⁶	Proflaminate ⁷	Quizalofop ⁸	Surfactant ⁹	Dye ¹⁰	Water	Oil-based Diluent ¹¹	
Foliar Spray	FS-1 - 'General Mix A'	4.8	3.2	--	--	--	--	--	--	0.6	Blue	119	--	
Foliar Spray	FS-2 - 'General Mix B'	3.8	--	--	--	--	--	--	--	0.6	Blue	124	--	
Foliar Spray	FS-3 - 'General Mix C'	6.4	--	--	--	--	--	--	--	0.6	Blue	121	--	
Foliar Spray	FS-4 - 'Broadleaf Mix A'	--	3.2	--	--	--	--	--	--	0.6	Blue	124	--	
Foliar Spray	FS-5 - 'Broadleaf Mix B'	--	--	2.2	--	--	3.5	--	--	0.6	Blue	122	--	
Foliar Spray	FS-6 - 'Tough Aster Mix A'	--	--	--	0.8	--	--	--	--	0.6	Blue	127	--	
Foliar Spray	FS-7 - 'Tough Aster Mix B'	--	--	--	--	0.3	--	--	--	0.6	Blue	127	--	
Foliar Spray	FS-8 - 'Grass Mix A'	--	--	--	--	--	--	--	0.5	0.6	Blue	127	--	
Basal Bark	BB-1	--	--	32.0	--	--	--	--	--	--	Red	--	96	
Cut Stump	CS-1	64.0	--	--	--	--	--	--	--	--	Blue	64	--	
Cut Stump	CS-2	--	64.0	--	--	--	--	--	--	--	Blue	64	--	
Cut Stump	CS-3	--	--	32.0	--	--	--	--	--	--	Red	--	96	
Hack-and-Squirt	HS-1	64.0	--	--	--	--	--	--	--	--	Blue	64	--	
Hack-and-Squirt	HS-2	--	64.0	--	--	--	--	--	--	--	Blue	64	--	
Hack-and-Squirt	HS-3	--	--	32.0	--	--	--	--	--	--	Red	--	96	
Pre-Emergent	PE-1	--	--	--	--	--	--	*	--	--	*	*	--	

1: Accord [manufacturer's formulation typically contains 54% glyphosate] or equivalent; **2:** Garlon 3A [manufacturer's formulation typically contains 44% triclopyr ester] or equivalent; **3:** Garlon 4Ultra or equivalent [manufacturer's formulation typically contains 60% triclopyr amine] - *Note: Pathfinder II is a formulation of triclopyr ester that is ready-to-use without further mixing*; **4:** Transline [manufacturer's formulation typically contains 41% clopyralid] or equivalent; **5:** Milestone VM [manufacturer's formulation typically contains 41% aminopyralid] or equivalent; **6:** DMA 4 IVM [manufacturer's formulation typically contains 63% 2,4-D] or equivalent; **7:** ProClipse [manufacturer's formulation typically contains 65% proflaminate] or equivalent - *Note: *See label instructions for use of pre-emergent herbicide based upon site conditions*; **8:** Assure II [manufacturer's formulation typically contains 10% quizalofop] or equivalent; **9:** Surfactants typically utilized as 0.5% (v/v), but follow label directions for correct amounts - Note: Surfactants may or may not be approved for wetland applications, check label to determine site suitability; **10:** Hi-Light Blue, Basal Red or equivalents, follow label directions for correct amounts; **11:** Typically low-viscosity mineral oil, but other petroleum-based and natural oils may be utilized - *Note: Check labels to determine appropriate oil diluent*