

*The  
Connecticut  
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Experiment  
Station,  
New Haven*

**Common Herbicides  
for Weed Control in  
Woody and  
Herbaceous  
Ornamentals**

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# Common Herbicides for Weed Control in Woodland Herbaceous Ornamentals

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Weeds have always been a serious challenge in production of nursery and landscape ornamentals. Many grasses, broadleaf weeds, and sedges compete with ornamental plants for water, nutrients, light, and space. Most commonly encountered broadleaf weeds include: American burnweed (*Erechtites hieraciifolius*), annual sow thistle (*Sonchus oleraceus*), common chickweed (*Stellaria media*), common groundsel (*Senecio vulgaris*), mouse-ear chickweed (*Cerastium fontanum ssp. vulgare*), hairy bittercress (*Cardamine hirsuta*), horseweed (*Conyza canadensis*), spotted spurge (*Chamaesyce maculata*), prostrate spurge (*Euphorbia humistrata*), prickly lettuce (*Lactuca serriola*), creeping wood sorrel (*Oxalis corniculata*), yellow woodsorrel (*Oxalis stricta*), and Northern willowherb (*Epilobium ciliatum*). Common grassy weeds are: annual bluegrass (*Poa annua*), goosegrass (*Elusine indica*), foxtails (*Setaria spp*), large crabgrass (*Digitaria spp*). Sedges include: annual sedge (*Cyperus compressus*), flat sedge (*Cyperus iria*), globe sedge (*Cyperus globulosus*), and yellow nutsedge (*Cyperus rotundus*), etc.

For identification of weeds of container and landscape ornamentals visit:

[https://portal.ct.gov/-/media/CAES/DOCUMENTS/Publications/Fact\\_Sheets/Valley\\_Laboratory/WEEDS-OF-ORNAMENTAL-PLANTS-AND-THEIR-CONTROL.pdf](https://portal.ct.gov/-/media/CAES/DOCUMENTS/Publications/Fact_Sheets/Valley_Laboratory/WEEDS-OF-ORNAMENTAL-PLANTS-AND-THEIR-CONTROL.pdf)

Following tables provide information on weed control efficacy and ornamental plant safety in most woody and herbaceous ornamental plants. Always consult the label before applying any herbicide on a specific ornamental plant or variety.

# **Preemergence Herbicides for Woody Ornamentals**

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**Modified and adapted from tables developed by A. Senesac and Joseph C. Neal for Weed  
Management in Woody Ornamentals**



Common Herbicides for Weed Control

Key: F=registered for use in the field (or landscape) C=registered for use in containers f/c=registered for both field and container used=registered for directed applications only Ø=label prohibits use on this species F*, C*, or f/c*= registered for some species or cultivars; consult label for details. Ø*=prohibited for some cultivars within a species; consult label for details.		Barricade	Blathlon	Broadstar	Casoron	Dacthal	Devrinol	Dimension	Fuerte	Fortress	Freehand	Gallery	Gemini G	Goal	HGH 75	Image	Kerb	Marengo G	Marengo SC	OH2	Pendulum (EC)	Pendulum (granule)	Pennant Magnum	Princep	Regalkade	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Sureguard	Tower	Treflan	XL	
Genus and species	Common Name																																		
<b>Aesculus spp.</b>	<b>buckeye species</b>																																	f/c	
<i>Aesculus glabra</i>	buckeye, Ohio															F																		f/c	
<i>Aesculus pavia</i>	buckeye, red																				f/c	f/c												f/c	
<i>Agapanthus spp.</i>	Lily-of-the-Nile																																		
<i>Agave americana</i>	century plant, American								F		F				f/c												F	F					f/c	F	
<i>Akebia quinata</i>	five leaf, chocolate vine	f/c										F																							
<i>Albizia julibrissin</i>	mimosa								F		f/c	F																							
<i>Alnus glutinosa</i>	alder, black						F														f/c	f/c													
<i>Alsophila australis</i>	Australian tree fern								F			F																							
<b>Amelanchier spp.</b>	<b>serviceberry species</b>						F																												
<i>Amelanchier alnifolia</i>	serviceberry, Saskatoon								F			F																							
<i>Amelanchier alnifolia</i>	serviceberry, saskateen								F		f/c																f/c								
<i>Amelanchier canadensis</i>	serviceberry, Canada															f/c																			
<i>Amelanchier laevis</i>	serviceberry, allegheny																				f/c	f/c													
<i>Andromeda polifolia</i>	rosemary, bog						F*		F		f/c	F																							
<i>Anisodonteia hypomandarum</i>	cape mallow								F			F															f/c								
<b>Arbutus spp.</b>	<b>arbutus species</b>																				f/c	f/c													
<i>Araucaria heterophylla</i>	Norfolk island pine								F																										
<i>Archontophoenix cunninghamiana</i>	King palm								F			F																							
<b>Arctostaphylos spp.</b>	<b>manzanita</b>																																	F*	F*
<i>Arctostaphylos densiflora</i>	manzanita											F																							
<i>Arctostaphylos uva-ursi</i>	bearberry (kinnikinick)				F		F		F		f/c	F									f/c						f/c								
<i>Arctostaphylos stanfordiana</i>	manzanita, Stanford's																																		F
<i>Ardisia japonica</i>	Marlberry, chirimen								F		f/c	F																f/c							
<i>Arecastrum romanzoffianum</i>	Queen palm																																		
<i>Armeria maritima</i>	bloodstone sea thrift									F		F																							
<i>Artemisia lactiflora</i>	white mugwort									F		F																							
<b>Aucuba spp.</b>	<b>aucuba, golddust plant</b>					F	F																F												
<i>Aucuba japonica</i>	aucuba, Japanese	f/c			F	F			F		f/c*	F				f/c				f/c	f/c	f/c*		f/c											
<i>Azalea indica</i>	Azalea		F																																
<i>Baccharis pilularis</i>	coyote bush									F		F																							
<b>Bambusa spp.</b>	<b>bamboo species</b>																																		
<i>Bauhinia galpinii</i>	Red bauhinia								F			F																							
<b>Berberis spp.</b>	<b>barberry species</b>				F	F		F								F							F	F		f/c	f/c								
<i>Berberis julianae</i>	barberry, wintergreen	f/c			F	F										F							F	F	f/c	f/c	f/c								
<i>Berberis thunbergii</i>	barberry, Japanese	f/c	f/c	f/c	F	F	F*	F	F		f/c*	F			f/c*	F			f/c*	f/c	f/c	F	F	f/c	f/c	f/c	f/c*	f/c*		f/c	f/c*	f/c*			
<i>Berberis verruculosa</i>	barberry, warty	f/c			F	F										F							F	F	f/c	f/c	f/c								
<i>Berberis x gladwynensis</i>	barberry, William Penn	f/c	f/c		F	F		F	F		f/c				f/c	F				f/c	f/c	F	F	f/c	f/c	f/c		f/c						f/c	
<i>Berberis x mentorensis</i>	barberry, mentor	f/c			F	F			F		f/c				f/c	F						F	F	f/c	f/c	f/c	f/c	f/c						f/c	









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Genus and species	Common Name																																		
<b>Cytisus spp.</b>	<b>broom species</b>							F			f/c*											F*			f/c		f/c*	F					f/c*	F	
<i>Cytisus praecox</i>	broom, Warminster							F			f/c	F		f/c											f/c		f/c	f/c	F				f/c*	F	
<i>Cytisus scoparius</i>	broom, Scotch						F*	F			f/c	F		f/c			f/c		f/c*						f/c	f/c	f/c	f/c	F				f/c*	F	
<i>Dalea greggii</i>	trailing indigo bush							F				F																							
<b>Daphne spp.</b>	<b>daphne species</b>																																		
<i>Daphne caucasica</i>	daphne, Caucasian																f/c																		
<i>Daphne cneorum</i>	daphne							F			f/c	F																							
<i>Daphne odora</i>	daphne							F			f/c	F		f/c												f/c		f/c						f/c	
<i>Dasyliiron wheeleri</i>	sotol, common																												F						F
<b>Deutzia aaspp.</b>	<b>deutzia species</b>			Ø*	F	F								f/c					f/c*														f/c	F*	
<i>Deutzia crenata</i>	deutzia			F	F			F			f/c			f/c														f/c	F			f/c	F*		
<i>Deutzia gracillis</i>	deutzia, slender	f/c*		F	F			F			f/c			f/c			f/c				f/c	f/c				f/c		f/c	Ø		f/c	f/c			
<b>Diervilla spp.</b>	honeysuckle, low bush																				f/c*	f/c*													
<b>Diospyros spp.</b>	persimmon																																		
<i>Dodonaea viscosa</i>	hopbush, hopseed	f/c						F	F		F	F		f/c								f/c			f/c			F	F			f/c	F		
<b>Elaeagnus spp.</b>	<b>elaeagnus species</b>			f/c		F		F															F												
<i>Elaeagnus angustifolia</i>	russian olive			f/c	F	F		F			f/c		F	f/c			f/c						F	F		f/c		f/c	f/c			f/c	f/c		
<i>Elaeagnus pungens</i>	elaeagnus, thorny	f/c		f/c		F		F			f/c	F		f/c									F		f/c		f/c	f/c							
<i>Elaeagnus x ebbengei</i>	elaeagnus			f/c		F		F			f/c	F									f/c	f/c	F				f/c*	f/c*							
<i>Encelia farinosa</i>	brittlebush																																		
<i>Enkianthus campanulatus</i>	enkianthus, red-vined							F			f/c*	F																							
<i>Epimedium x rubrum</i>	barrenwort	f/c*																																	
<b>Erica spp.</b>	<b>heath species</b>		Ø*		F	F*																					f/c*	Ø							
<i>Erica cinerea</i>	heath, Scotch		f/c	F			F*	F	F			F		f/c														Ø	f/c				f/c*		
<i>Erica vagans</i>	heath (heather), cornish			F				F			f/c	F		f/c													Ø	f/c					f/c		
<i>Erica x darleyensis</i>	heath (heather), Mediterranean			F				F			f/c	F								Ø							Ø	f/c					f/c		
<i>Eriobotrya japonica</i>	Loquat																																		
<b>Escallonia spp.</b>	<b>escallonia</b>							F			f/c	F							f/c*	f/c*	f/c*	F*			f/c	f/c			f/c*					f/c*	
<i>Escallonia x exoniensis</i>	escallonia, Pink Princess	F																																	
<b>Eucalyptus spp.</b>	<b>eucalyptus species</b>				F	f/c	F*																F			f/c						f/c			
<i>Eucalyptus camaldulensis</i>	eucalyptus, river redgum				F	f/c		F	F			F	F																						
<i>Eucalyptus cinerea</i>	eucalyptus, silver dollar tree		f/c		F	f/c		F	F		F*	F		f/c									F			f/c	f/c	F	F	f/c		f/c	F*		
<i>Eucalyptus citriodora</i>	gum							F																											
<i>Eucalyptus microtheca</i>	eucalyptus, flouded box				F	f/c		F			f/c	F		f/c										F		f/c		f/c		f/c		f/c			
<i>Eucalyptus nicholii</i>	eucalyptus, Willow-leaved gum				F	f/c																		F		f/c			F	f/c				F	
<i>Eucalyptus pulverulenta</i>	eucalyptus, silver leaf mountain gum				F	f/c							F																						
<i>Eucalyptus sideroxylon</i>	eucalyptus, red Ironbark				F	f/c		F			F	F		f/c							f/c*	f/c*		F		f/c		F	F	f/c		f/c	F		
<i>Eucalyptus viminalis</i>	eucalyptus, ribbon gum				F	f/c							F											F		f/c				f/c					
<i>Eugenia myrtifolia</i>	cherry, brush dwarf							F			f/c	F												F				f/c							

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Genus and species	Common Name																																	
<b>Euonymus spp.</b>	<b>euonymus species</b>			F	F	f/c				f/c					F					Ø*	f/c	f/c	F		f/c*		Ø*	Ø*	F		f/c	f/c	F	
<i>Euonymus alata</i>	euonymus, winged		Ø*	f/c*	F	F	f/c		F			Ø*								Ø*	f/c	f/c	F		f/c*		Ø*	Ø*	F		f/c	f/c	F	
<i>Euonymus fortunei</i>	euonymus, wintercreeper	f/c	f/c*		F	F	f/c	f/c*		F	f/c	f/c*		f/c*		F				f/c*	f/c	f/c	f/c		f/c	f/c*	f/c	f/c*	f/c*	f/c*		f/c	f/c*	
<i>Euonymus japonica</i> 'aureo marginata'	Aureo-marginata Spindle Tree		F																															
<i>Euonymus japonicus</i>	euonymus, Japanese	f/c	f/c*		F	F	f/c	F*		F	f/c	f/c*	F	f/c*		F	Ø*	Ø*	f/c*	f/c	f/c	F		f/c	f/c*		f/c*	f/c*	f/c*		f/c	f/c*		
<i>Euonymus vegetus</i>	euonymus, bigleaf wintercreeper				F	F	f/c			F	f/c	f/c				F						F			f/c*		f/c	f/c	f/c					
<i>Euonymus x kiautschovica</i>	euonymus, spreading	f/c			F	F	f/c			F	f/c	f/c		f/c		F				f/c*		f/c		f/c	f/c*	f/c	f/c	f/c	F		f/c		F	
<b>Fagus spp.</b>	<b>beech species</b>															F																		
<i>Fagus sylvatica</i>	beech, European								F		f/c	F				F										f/c								
<i>Fatsyhedera lizei</i>	tree-ivy																											f/c	f/c				f/c	
<i>Fatsia japonica</i>	fatsia, Japanese	f/c							F		f/c	F												f/c			f/c	f/c					F	
<i>Feijoa sellowiana</i>	Pineapple guava								F																									
<i>Felicia amelloides</i>	blue marguerite								F																									
<i>Ficus benjamina</i>	fig, Benjamin								F	F																								
<i>Ficus carica</i>	fig, common											F									f/c		F										f/c	
<i>Ficus pumilla</i>	fig, creeping																					F											f/c	
<i>Ficus retusa</i>	fig																																	
<b>Forsythia spp.</b>	<b>forsythia species</b>				F	F	f/c							f/c	F							f/c			f/c									
<i>Forsythia suspensa</i>	forsythia, weeping	f/c		f/c	F	F	f/c	F*	F			F		f/c	F							f/c		f/c	f/c									
<i>Forsythia viridissima</i>	forsythia, greenstem	f/c			F	F	f/c	F*				F		f/c	F							f/c		f/c	f/c									
<i>Forsythia x intermedia</i>	forsythia, border	f/c		f/c	F	F	f/c	f/c*	F	F		f/c	F	f/c	F	f/c	d	f/c*	f/c	f/c	f/c	f/c		f/c	f/c	f/c	f/c	f/c	f/c	F		f/c	F	
<i>Forsythia x 'Spring Glory'</i>	forsythia, spring glory									F		F																						
<i>Fothergilla gardenii</i>	fothergilla, dwarf																f/c			f/c*														
<b>Franklinia spp.</b>	<b>franklinia</b>																				f/c	f/c												
<b>Fraxinus spp.</b>	<b>ash species</b>				F	F	F								F							F						f/c*	F	f/c	f/c	f/c*	F	
<i>Fraxinus americana</i>	ash, white		f/c	F	F	F	F*	F	F				F	f/c	F						f/c	f/c	F						F	f/c		f/c	F	
<i>Fraxinus pennsylvanica</i>	ash, green		f/c	F	F	F	F	F	F				F		F		d			f/c	f/c	F				f/c			F	f/c			F	
<i>Fraxinus uhdei</i>	ash, shamel									F		F																						
<i>Fuchsia x 'Santa Claus'</i>	fuchsia, Santa Claus									F		F																						
<b>Gardenia spp.</b>	<b>jasmine species</b>				F		f/c																	f/c										
<i>Gardenia jasminoides</i>	jasmine, cape (gardenia)	f/c	f/c*	f/c	F		f/c	f/c*	F	F	f/c	f/c*		f/c*	F		f/c	d	f/c*	f/c	f/c	f/c		f/c	f/c	f/c	f/c	f/c	f/c*	f/c		f/c*	f/c	
<i>Gardenia japonica/veichi</i>	gardenia, August Beauty		F																															
<i>Gaultheria procumbens</i>	wintergreen									F		F																						
<i>Gaultheria shallon</i>	salal-lemon leaf									F																								
<i>Gelsemium sempervirens</i>	jessamine, Carolina yellow						F		F		f/c	F		f/c							f/c	F					f/c	f/c					f/c	
<b>Genista spp.</b>	<b>woodwaxen, common</b>																																	f/c
<i>Genista pilosa</i>	woodwaxen, silkyleaf						F*		F		f/c	F		f/c														f/c	F			f/c	F	
<i>Genista tinctoria</i>	woodwaxen, Dyer's greenwood																									f/c							f/c	
<i>Ginkgo biloba</i>	ginkgo		f/c						F	F		F		f/c	F						f/c	f/c	F			f/c	F	f/c	f/c			f/c	f/c	









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Genus and species	Common Name	Barricade	Blathlon	Broadstar	Casoron	Dacthal	Devrinol	Dimension	Fuerte	Fortress	Freehand	Gallery	Gemini G	Goal	HGH 75	Image	Kerb	Marengo G	Marengo SC	OH2	Pendulum (EC)	Pendulum (granule)	Pennant Magnum	Princep	Regalkade	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Sureguard	Tower	Treflan	XL	
<i>Philadelphus spp.</i>	mockorange				F	F		F		F					f/c		F										f/c*			f/c			f/c	f/c	
<i>Philadelphus x virginalis</i>	mockorange, virginal																																		
<i>Phoenix roebelenii</i>	pigmy date palm									F			F																						
<b>Photinia spp.</b>	<b>photinia species</b>				F		f/c																F			f/c									
<i>Photinia x fraseri</i>	photinia, fraser (red-tip)	f/c		f/c	F		f/c	F	F	F		f/c			f/c	F		f/c		f/c	f/c				f/c	f/c	f/c	f/c	f/c	f/c			f/c	f/c	
<i>Physocarpus opulifolius</i>	ninebark									F		f/c	F				f/c						F												
<b>Picea spp.</b>	<b>spruce species</b>	F		f/c*		F	F										F						F		F	f/c	f/c*							f/c	
<i>Picea abies</i>	spruce, Norway	F		f/c		F	F	F	F	F		f/c*	F	F	f/c*						f/c	f/c	F	F	F	f/c	f/c*	f/c	f/c	F	f/c	f/c	f/c*	F	
<i>Picea engelmannii</i>	spruce, Engelmann	F				F	F										F						F		F	f/c	f/c							F	
<i>Picea glauca</i>	spruce, white	F		f/c*		F	F	F*		F		f/c*	F	F*	f/c					f/c*	f/c*	f/c*	F	F	F	f/c	Ø	f/c*	f/c*	F*	f/c*		f/c	F*	
<i>Picea glauca conica</i>	spruce, Dwarf Alberta	F		f/c		F	F		F	F		F		F	f/c				f/c	f/c	f/c	F		F	F	f/c	f/c	F	F	f/c	f/c		f/c	F	
<i>Picea mariana</i>	spruce, black	F				F	F										F						F		F	f/c	f/c							F	
<i>Picea omorika</i>	spruce, Serbian	F		f/c		F	F		F								F						F		F	f/c	f/c								
<i>Picea pungens</i>	spruce, Colorado blue	F				F	F	f/c*	F	F		f/c*	F	F	f/c*						f/c	f/c	F	F	F	f/c	f/c	f/c*	f/c*	F*	f/c	f/c	f/c*	F*	
<i>Picea pungens 'Glauca'</i>	spruce, Colorado blue									F																									
<i>Picea pungens 'Hoopsii'</i>	spruce, hoopsia blue									F			F																						
<i>Picea pungens 'Koster'</i>	spruce, koster blue									F			F																						
<i>Picea rubens</i>	spruce, red	F				F	F										F						F	F	F	f/c	f/c								
<i>Picea sitchensis</i>	spruce, Sitka	F		f/c		F	F		F					F			F						F		F	f/c	f/c					f/c			
<b>Pieris spp.</b>	<b>andromeda species</b>					F										Ø								F			f/c	c*/f/c*							
<i>Pieris japonica</i>	andromeda, Japanese	f/c		f/c		F		F*	F	F		f/c*	F		f/c*	Ø		f/c		f/c	f/c	f/c	F	F	f/c	f/c	Ø		f/c*	f/c*		f/c	f/c	f/c*	
<i>Pieris taiwanensis</i>	andromeda, white					F		F								Ø								F		f/c	f/c								
<i>Pieris x 'Forest Flame'</i>	lily-of-the-valley, Forest Flame									F																									
<b>Pinus spp.</b>	<b>pine species</b>				F*	F	f/c										F						F			f/c	f/c					f/c	f/c		
<i>Pinus aristata</i>	pine, bristlecone				F*	F*	f/c			F		F			f/c		F						F			f/c	f/c	F	F	F			f/c	f/c	
<i>Pinus banksiana</i>	pine, Jack			f/c	F*	F	f/c		F				F				F						F			f/c	f/c				f/c	f/c			
<i>Pinus brutia</i>	pine, Calabrian								F				F																						
<i>Pinus bungeana</i>	pine, lacebark			f/c	F*	F	f/c		F								F									f/c	f/c							f/c	
<i>Pinus canariensis</i>	pine, Canary Island								F	F			F																						
<i>Pinus clausa</i>	pine, sand				F*	F*	f/c		F								F						F			f/c	f/c					f/c	f/c		
<i>Pinus contorta</i>	pine, Lodgepole, shore			f/c	F*	F	f/c		F	F		F	F	F	f/c		F						F	F		f/c	f/c	F	F	F	F	f/c	f/c	f/c	
<i>Pinus echinata</i>	pine, shortleaf			f/c	F*	F	f/c		F				F				F						F			f/c	f/c							f/c	
<i>Pinus eldarica</i> <sup>2</sup>	pine, Eldarica				F*	F	f/c	f/c		F			F		f/c		F	f/c					F			f/c	f/c		f/c	F			f/c	f/c	
<i>Pinus elliotii</i>	pine, slash	f/c		f/c	F*	F	f/c	F	F	F			F	F			F				f/c					f/c	f/c					f/c	f/c		
<i>Pinus halepensis</i>	pine, aleppo	f/c			F*	F	f/c		F				F				F			f/c						f/c	f/c							f/c	
<i>Pinus leucodermis</i>	pine, Bosnian				F*	F	f/c		F			f/c	F		f/c		F						F			f/c	f/c		f/c	f/c				f/c	
<i>Pinus mugo</i>	pine, mugo, Swill mtn.			f/c	F*	F	f/c	F	F	F		f/c*	F	F	f/c		F				f/c	f/c	F	F		f/c	f/c	f/c*	f/c	f/c	f/c	f/c	f/c	f/c	
<i>Pinus nigra</i>	pine, Austrian, black	f/c			F*	F	f/c	f/c	F	F		f/c	F	F	f/c		F				f/c	f/c	F	F	f/c	f/c	f/c		f/c	f/c	f/c	f/c	f/c	f/c	
<i>Pinus palustris</i>	pine, longleaf	f/c		f/c	F*	F	f/c	F	F	F			F	F			F									f/c	f/c							f/c	
<i>Pinus pinea</i>	pine, Italian stone				F*	F	f/c										F				f/c	f/c	F			f/c	f/c							f/c	





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Genus and species	Common Name																																			
<i>Prunus avia</i>	cherry, sweet			f/c	F	F		F			F		F							f/c	f/c	F			f/c			F	F	f/c		f/c	F			
<i>Prunus cerasus</i>	cherry, sour				F	F					F		F							f/c	f/c	F			f/c			F	F	f/c		f/c	F			
<i>Prunus caroliniana</i>	cherry-laurel, Carolina						f/c*		F		f/c	F	F	f/c		F						F			f/c			F	f/c		f/c		F			
<i>Prunus laurocerasus</i>	cherry-laurel, common				F*			F	F		f/c*	F	F			F				f/c	f/c*	F			f/c	f/c		F	f/c				F			
<i>Prunus mahaleb</i>	cherry, Mahaleb												F									F			f/c					f/c				F		
<i>Prunus sargentii</i>	cherry, sargent												F			F						F			f/c	f/c				f/c						
<i>Prunus serotina</i>	cherry, black												F							f/c	f/c	F			f/c					f/c						
<i>Prunus serrulate</i>	cherry, Japanese flowering												F			F				f/c	f/c	F			f/c	f/c				f/c						
<i>Prunus subhirtella</i>	cherry, Higan												F			F						F			f/c					f/c						
<i>Prunus tomentosa</i>	cherry, Nanking												F			F				f/c	f/c	F			f/c					f/c						
<i>Prunus virginiana</i>	cherry, choke		f/c*										F			F				f/c	f/c	F			f/c					f/c						
<i>Prunus x cisterna</i>	cherry, purpleleaf sand												F			F			f/c*			F			f/c		f/c			f/c						
<i>Prunus yedoensis</i>	cherry, Yoshino								F		F	F	F	f/c		F						F			f/c			F	F	f/c		f/c		F		
<i>Prunus armeniaca</i>	apricot, common	f/c		f/c		F					F		F							f/c	f/c	F		f/c	f/c		F	F	F	f/c		f/c		F		
<i>Prunus persica</i>	nectarine and peach, common	f/c		f/c		F	F	F			F		F							f/c	f/c	F		f/c	f/c		F	F	F	f/c				F		
<i>Prunus dulcis</i>	almond, common	f/c		f/c		F		F			F		F							f/c	f/c	F		f/c	f/c		F	F	F	f/c				F		
<i>Prunus glandulosa (shrub)</i>	almond, flowering				F		F		F		f/c	F		f/c					Ø			F		f/c	f/c			f/c	f/c	f/c		f/c		F		
<i>Prunus spp. (plum, prune)</i>	plum, prune species	f/c		f/c		F		F			F		F							f/c	f/c	F		f/c	f/c		F	F	F	f/c				F		
<i>Prunus cerasifera</i>	plum, cherry (ornamental)	f/c																		f/c	f/c	F		f/c	f/c		F	F	F	f/c				F		
<i>Prunus maritima</i>	plum, beach	f/c		f/c		F		F														F		f/c	f/c		F	F	F	f/c				F		
<i>Psidium cattleianum</i>	strawberry guava								F			F																								
<i>Pseudotsuga menziesii</i>	fir, Douglas	F		f/c		F	f/c	F	F			F	F	f/c		F				f/c	f/c	F	F	F		f/c			Ø	f/c	f/c	f/c				
<i>Punica spp.</i>	pomegranate species										F		F*													f/c*		F	F				f/c	F		
<i>Pyracantha aaspp.</i>	pyracantha species			f/c		f/c	f/c*	F						f/c		F						F			f/c								f/c			
<i>Pyracantha coccinea</i>	firethorn, scarlet	f/c		f/c	F		F*	F	F		f/c*	F		f/c		F	f/c		f/c*	f/c	f/c	F		f/c	f/c	f/c			f/c				f/c	f/c		
<i>Pyracantha fortuneana</i>	firethorn, Chinese	f/c		f/c	F		f/c		F		f/c*	F		f/c		F						F		f/c	f/c		f/c	f/c*	f/c*			f/c	f/c*			
<i>Pyracantha koidzumii</i>	firethorn, formosa	f/c		f/c	F		f/c	f/c*	F			F		f/c		F						F		f/c	f/c				f/c			f/c		f/c		
<i>Pyrus spp.</i>	pear species	f/c*		f/c*	F		F		F			F				F*				f/c*	f/c*	F		f/c*				F	F				f/c	F		
<i>Quercus spp.</i>	oak species				F	F										F								f/c	f/c	f/c			f/c	f/c	f/c			f/c		
<i>Quercus acutissima</i>	oak, sawtooth				F	F										F			f/c			F		f/c	f/c	f/c			f/c	f/c				f/c		
<i>Quercus alba</i>	oak, white				F	F										F				f/c	f/c	F		f/c	f/c	f/c			f/c	f/c				f/c		
<i>Quercus coccinea</i>	oak, scarlet				F	F										F						F		f/c	f/c	f/c			f/c	f/c			f/c	f/c		
<i>Quercus illicifolia</i>	oak, bear			f/c	F	F		F	F			F		f/c		F						F		f/c	f/c	f/c	F	F	f/c	f/c		f/c	f/c			
<i>Quercus laurifolia</i>	oak, laurel				F	F		F	F							F						F		f/c	f/c	f/c			f/c	f/c				f/c		
<i>Quercus michauxii</i>	oak, swamp chestnut				F	F										F				f/c	f/c	F		f/c	f/c	f/c			f/c	f/c				f/c		
<i>Quercus muehlenbergii</i>	oak, Chinquapin				F	F							F			F				f/c	f/c	F		f/c	f/c	f/c			f/c	f/c				f/c		
<i>Quercus nigra</i>	oak, water				F	F							F			F				f/c	f/c	F		f/c	f/c	f/c			f/c	f/c				f/c		
<i>Quercus nuttallii</i>	oak, Nuttall				F	F							F			F						F		f/c	f/c	f/c			f/c	f/c				f/c		
<i>Quercus pagoda</i>	oak, cherrybark				F	F							F			F						F		f/c	f/c	f/c			f/c	f/c				f/c		







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Genus and species	Common Name	Barricade	Biathlon	Broadstar	Casoron	Dacthal	Devrinol	Dimension	Fuerte	Fortress	Freehand	Gallery	Gemini G	Goal	HGH 75	Image	Kerb	Marengo G	Marengo SC	OH2	Pendulum (EC)	Pendulum (granule)	Pennant Magnum	Princep	Regalkade	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Sureguard	Tower	Treflan	XL			
<b>Ulmus spp.</b>	<b>elm species</b>				F	F											F									f/c						f/c					
<i>Ulmus americana</i>	elm, American				F	F											F		d				F			f/c											
<i>Ulmus japonica</i>	elm, Japanese				F	F											F				f/c	f/c				f/c											
<i>Ulmus parvifolia</i>	elm, Chinese			f/c	F	F		F*	F	F		F	F		f/c	F										f/c		F	F			f/c	F				
<i>Ulmus pumila</i>	elm, Siberian				F	F	F									F							F			f/c											
<b>Vaccinium spp.</b>	<b>blueberry species</b>			f/c*	F			F*	F	F		F															F	F	F						F		
<i>Veitchia merrilli</i>	palm, Christmas									F																											
<b>Viburnum spp.</b>	<b>viburnum species</b>					F	F				f/c				f/c	Ø	F						f/c			f/c	f/c						f/c	f/c			
<i>Viburnum awabuki</i>	viburnum, Chindo																																				
<i>Viburnum bodnantense</i>	viburnum, pink dawn									F																											
<i>Viburnum carlesii</i>	viburnum, Korean spice					F	F		F	f/c	f/c	F			f/c	Ø	F						f/c			f/c	f/c	f/c	f/c	f/c	f/c			f/c			
<i>Viburnum davidii</i>	viburnum, David					F	F		F	f/c	f/c	F			f/c	Ø	F			f/c					f/c	f/c*	f/c	f/c	F				f/c	F			
<i>Viburnum dentatum</i>	virburnum, arrowwood			f/c		F	F	F	F		f/c				f/c	Ø	F						f/c			f/c	f/c							f/c			
<i>Viburnum dilatatum</i>	viburnum, Linden					F	F	F			f/c				f/c	Ø	F						f/c			f/c	f/c							f/c			
<i>Viburnum japonicum</i>	viburnum, Japanese	f/c	f/c*			F	F		F	F	f/c	F	F		f/c	Ø	F						f/c		f/c	f/c	f/c	F	F	F			f/c	F			
<i>Viburnum judd</i>	viburnum, Judd									F																											
<i>Viburnum lantana</i>	viburnum, wayfaringtree					F	F	F*		F	f/c	F	F		f/c	Ø	F						f/c			f/c	f/c	F	F					f/c			
<i>Viburnum macrocephalum</i>	virburnum, Chinese snowball					F	F				f/c				f/c	Ø	F						f/c			f/c	f/c							f/c			
<i>Viburnum obovatum</i>	viburnum, Walter's	F	f/c																																		
<i>Viburnum odoratissimum</i>	viburnum, sweet	f/c		f/c*		F	F		F		f/c		F		f/c	Ø	F	Ø					f/c		f/c	f/c	f/c							f/c			
<i>Viburnum opulus</i>	viburnum, Europ. cranberry bush				F	F	f/c*		f/c	F				f/c	Ø								f/c			f/c	f/c	F*	F	F*			f/c	F*			
<i>Viburnum plicatum</i>	viburnum, Japanese snowball	f/c				F	F		F	F	f/c	F*	F		f/c	Ø	F	f/c	d				f/c		f/c	f/c	f/c	f/c*	f/c*	F*			f/c	F*			
<i>Viburnum prunifolium</i>	viburnum, blackhaw					F	F				f/c				f/c	Ø	F						f/c	f/c	f/c		f/c	f/c						f/c			
<i>Viburnum rigidum</i>	viburnum, Canary Island								F																												
<i>Viburnum rufidulum</i>	viburnum, rusty blackhaw					F	F				f/c				f/c	Ø	F									f/c	f/c							f/c			
<i>Viburnum setigerum</i>	viburnum, tea					F	F		F	f/c	F	F			f/c	Ø	F						f/c			f/c	f/c	F	F	F			f/c	F			
<i>Viburnum suspensum</i>	viburnum, Sandankwa	f/c				F	F				f/c				f/c	Ø	F						f/c	f/c	f/c		f/c	f/c				F		f/c	F		
<i>Viburnum tinus</i>	viburnum, laurustinus	f/c				F	F		F	f/c	F*	F			f/c	Ø	F						f/c	f/c	f/c		f/c	f/c		F*	f/c*		f/c	f/c	f/c*		
<i>Viburnum trilobum</i>	viburnum, American cranberry	f/c	f/c*			F	F		F	F	f/c	f/c	F		f/c	Ø	F						f/c		f/c	f/c	f/c	f/c	f/c	F*			f/c	F			
<i>Viburnum trilobum 'Compactum'</i>	viburnum, dwarf Am cranberry		F						F																												
<i>Viburnum wrightii</i>	viburnum, Wright, leatherleaf	f/c				F	F	F			f/c		F		f/c	Ø	F						f/c		f/c	f/c	f/c							f/c			
<i>Viburnum x bodnanstense</i>	viburnum, Pink Dawn			f/c		F	F		F		f/c	f/c			f/c	Ø	F						f/c			f/c	f/c	f/c	f/c					f/c			
<i>Viburnum x burkwoodii</i>	viburnum, Burkwood																	f/c	d																		
<i>Viburnum x judd</i>	viburnum, judd					F	F				f/c	f/c			f/c	Ø	F						f/c			f/c	f/c	f/c	f/c	f/c			f/c				
<i>Viburnum x pragense</i>	viburnum, Prague					F	F		F	f/c	f/c	F			f/c	Ø	F						f/c			f/c	f/c	f/c	f/c	f/c	F			f/c	F		
<i>Vinca major</i>	periwinkle, big-leaf, myrtle	f/c						F			f/c	F								f/c*		f/c			f/c		f/c	f/c	f/c	F					F		
<i>Vinca minor</i>	periwinkle, common	f/c	f/c					F	F			F	F				f/c								f/c		f/c	Ø*	F	F				f/c	F		
<b>Vitex spp.</b>	<b>chastetree</b>																				f/c	f/c															
<b>Vitis spp.</b>	<b>grape</b>	F		f/c	F		F	F				F*		F							f/c	f/c											f/c	F*			



# **Herbicides for Herbaceous Ornamentals**

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**Modified and adapted from tables developed by A. Senesac and Joseph C. Neal for Weed Management  
in Herbaceous Ornamentals**





Genus	Common Name	*Barricade	Biathlon	*Corral	*Dacthal	Devrinol	*Dimension	Preen Southern	Fortress	Freehand	Fuerte	Gallery	Gemini G	OH2	Pendulum EC,ACS	Pendulum 2G	Pennant Magnum	*Ronstar G	Snapshot	Surflan	Tower	PREN Garden	Treflan 5G	XL	Acclaim Extra	Bassagran T/O	*ΔEnvoy	*Fusilade II	*ΔLontrol	Scythe	Segment
<i>Brassica</i>	Cabbage (Kale), Ornamental											x			e				x	e						y				d	
<i>Caladium</i>	Caladium (Eleph. Ear)														e					e				e		d				d	
<i>Calamagrostis</i>	Reed Feather Grass		y																		x	y				d			e	d	
<i>Calendula</i>	Pot Marigold																					y	e			d		y		d	y
<i>Callistephus</i>	Aster, China					d			y			y			e				e	e	e					d				d	
<i>Calluna</i>	Heather	y				y		e					y		e	e		e					e			d		y		d	
<i>Campanula</i>	Bellflower	y			y	y									e	y				e		y	e	e	e	d		y		d	y
<i>Campsis</i>	Trumpet Creeper												y																	d	y
<i>Canna</i>	Canna														e	e	y									d				d	y
<i>Capsicum</i>	Pepper, Ornamental																									d				d	
<i>Carex</i>	Carex					d	e	y				y	y		e	y			e		x	y	e			d				d	
<i>Carpobrotus</i>	Ice Plant								y				y																	d	y
<i>Catharanthus</i>	Periwinkle (bedding plt)								y	y		y				e			e			y				d		d		d	y
<i>Celosia</i>	Cockscomb					d	e							x		e										d				d	y
<i>Centaurea</i>	Cornflower					d	e															y	e		e	d				d	y
<i>Cerastium</i>	Snow-in-Summer																		e			y	e		e	d	y	y		d	
<i>Ceratostigma</i>	Leadwort (Plumbago)												y						e				e			d				d	y
<i>Chasmanthium</i>	Sea Oats (Wood oats)								y												x	y				d			e	d	
<i>Chrysanthemum</i>	Chrysanthemum			y	y				y	y				x	e	y	e	e	e			y	e	e	e	d	y			d	y
<i>Cirsium</i>	Thistle																									d				d	
<i>Clarkia</i>	Godetia																								e	d				d	
<i>Clematis</i>	Clematis									y				x					e							d				d	
<i>Clivia</i>	Kafir Lily								y				y																		
<i>Coleus</i>	Coleus			y		d	e			y														x	e	d	y	y		d	y
<i>Consolida</i>	Larkspur																									d				d	
<i>Convallaria</i>	Lily-of-the-Valley																									d				d	
<i>Cordyline</i>	Blue Dracaena								y																						
<i>Coreopsis</i>	Coreopsis (Calliopsis)	y	y		y		d	e	y	x		y		y	e	y	e	e	e			y	e	e	e	d	y	y		d	y
<i>Coronilla (Vicia)</i>	Crown Vetch															e						y	e			d				d	
<i>Cortaderia</i>	Pampas Grass	y		y		d	e	y	x			y		y	e	e	y		e	e		y	e	e		d			e	d	
<i>Cosmos</i>	Cosmos				y																	y	e		e	d				d	y
<i>Crococsmia</i>	Montbretia	y													e	e										d				d	
<i>Crocus</i>	Crocus															e	y									d				d	
<i>Cuphea</i>	Heather, False								y			y	y						e	e						d	y			d	y
<i>Cyperus</i>	Cyperus								y			y	y						e							d		d		d	
<i>Cyrtomium</i>	Holly Fern												y																		
<i>Dahlia</i>	Dahlia				y	y			y			y			e		e	e			e	y	e			d	y			d	y
<i>Daucus</i>	Queen Anne's Lace																y									d				d	y
<i>Delosperma</i>	Ice Plant, Hardy	y			y	y	e	y				y			e				e	e		y		e		d				d	
<i>Delphinium</i>	Delphinium	y				d	e										y									d				d	

		Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Post	Post	Post	Post	Post	Post	Post				
Genus	Common Name	* Barricade	Biathlon	* Corral	* Dacthal	Devrinol	* Dimension	Preen Southern	Fortress	Freehand	Fuente	Gallery	Gemini G	OH2	Pendulum EC,ACS	Pendulum 2G	Pennant Magnum	* Ronstar G	Snapshot	Surflan	Tower	PREEN Garden	Treflan 5G	XL	Acclaim Extra	Basagran T/O	* ΔEnvoy	* Fusilade II	* ΔLontrel	Scythe	Segment		
KEY:																																	
y = registered for some species of this genus																																	
e = registered for some species of this genus, apply only after established																																	
d = registered for some species of this genus, directed application only																																	
<i>Dennstaedtia</i>	Fern, Hay-scented					y		e																		d				d			
<i>Deschampsia</i>	Tufted Hair Grass			y			d	e	y			y			e	e			e		x	y	e			d			e	d			
<i>Dianthus</i>	Carnation	y			x			e		y	y	y		x				y				y	e			d				d	y		
<i>Dianthus</i>	Pink	y			x			e	y	y	y							e	e				e		e	d	y			d	y		
<i>Dianthus</i>	Sweet William				x		d	e		y	y				e	e	y	e		e		y	e	e	e	d				d	y		
<i>Dicentra</i>	Bleeding Heart				y	y									e	e			x	e		y		e	e	d	y			d	y		
<i>Dietes</i>	Fortnight Lily								y				y																		d	y	
<i>Digitalis</i>	Foxglove				y									x	e		e	x	e			y				d				d	y		
<i>Dimorphotheca</i>	Cape Marigold																			e	y	e	e			d				d			
<i>Doronicum</i>	Leopards Bane					y									e		y		e						e	d					d		
<i>Dryopteris</i>	Fern, Log (Shaggy Shield)					y		e				y														d					d		
<i>Echinacea</i>	Coneflower	y			y	y	y			y		x		x	e			x	e			y		e	e	d					d	y	
<i>Ensete</i>	Absynnian banana								y				y																			d	y
<i>Epimedium</i>	Barrenwort		y																								d				d		
<i>Equisetum</i>	Horsetail								y			y							e							d					d		
<i>Erianthus</i>	Plume Grass								y	x		y	y						e		x	y				d					d		
<i>Erica</i>	Heath						d						y	x										e		d					d		
<i>Erigeron</i>	Darkest of All Fleabane								y				y																			d	
<i>Erysimum</i>	Wallflower					y													e						e	d					d		
<i>Eschscholzia</i>	Poppy, California															e							y	e	e	d					d	y	
<i>Eupatorium</i>	Joepyweed (Boneset)															e										d					d		
<i>Euphorbia</i>	Snow-on-the-Mountain											x							x				y	e	e	d		y			d		
<i>Euryops</i>	Dwarf Euryops								y																								
<i>Eustoma</i>	Lisianthus								y			y							e							d					d		
<i>Evolvulus</i>	Blue Daze								y																								
<i>Fatsyhedera</i>	Japanese aralia								y																								
<i>Festuca</i>	Fescue, Blue			y			d	e	y	x		y	y		e	e			e	e	x	y	e	e		d					d	y	
<i>Fragaria</i>	Strawberry, Ornamental			y										y		e							y	e		d					d		
<i>Freesia</i>	Freesia														e	e										d					d		
<i>Gaillardia</i>	Blanketflower	y			y	y	d	e	y			y			e	y	y	e	e			y	e	e	e	d					d	y	
<i>Galium</i>	Sweet Woodruff						d	e	y																	d					d		
<i>Gaultheria</i>	Wintergreen												y													d					d		
<i>Gaura</i>	Gaura	y								y									e				y			d					d		
<i>Gazania</i>	Gazania			y		y			y	y		y			e	e	y	y	e	e			y	e	e	e	d	y	d		d	y	
<i>Gentiana</i>	Gentian	y																								d					d		
<i>Geranium</i>	Cranesbill (True Geranium)	y						e	y			y		x			y	e							d	y	y			d	y		
<i>Gerbera</i>	Gerbera Daisy																									d					d	y	
<i>Geum</i>	Avens								y			y				e	y			e		y	e	e		d					d	y	
<i>Gilia</i>	Gilia																								e	d					d		
<i>Gladiolus</i>	Gladiolus	y			y	y				y		y				e	y	e			e		y	e	e	d		d			d	y	



		Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Post	Post	Post	Post	Post	Post	Post	Post		
Genus	Common Name	* Barricade	Biathlon	*Corral	*Dacthal	Devrinol	*Dimensionon	Preen Southern	Fortress	Freehand	Fuerte	Gallery	Gemini G	OH2	Pendulum EC.ACS	Pendulum 2G	Pennant Magnum	*Ronstar G	Snapshot	Surflan	Tower	PREEN Garden	Treflan 5G	XL	Acclaim Extra	Basagran T/O	*ΔEnvoy	*Fusilade II	*ΔLontrel	Scythe	Segment	
<i>Liatis</i>	Blazing Star (Gayfeather)								y			y			e		e	e	e	e		y		e	e	d		y		d	y	
<i>Lilium</i>	Lily	y			y	y						y		x	e	e	y									d			y		d	y
<i>Limonium</i>	Statice (Sealavender)								y			y			e	y	e	e	e	e	e	y	e		e	d		y		d	y	
<i>Linum</i>	Flax, Scarlet or Blue														e									e	d					d	y	
<i>Liriope</i>	Lilyturf	y	y	y		y	y	e	y	y	y	y			e	e	y		e	e	y	y	e	e	e	y	y	y		d	y	
<i>Lobelia</i>	Cardinal Flower	y	y	y						y			y					e	e				e		d					d		
<i>Lonicera</i>	Honeysuckle	y				y	d	e	y			y	y	y		y	e	e	e				e	e		d	y	d		d	y	
<i>Lupinus</i>	Lupine				y									y		e	y					y	e			d				d	y	
<i>Lysimachia</i>	Moneywort (Loosestrife)								y			y	y			e			e						d	y	y		d	y		
<i>Lythrum</i>	Loosestrife, Purple	y		y											e	y									d	y			d	y		
<i>Matricaria</i>	Chamomile																							e	d					d		
<i>Matthiola</i>	Stock											y							e			y	e		d				d	y		
<i>Mertensia</i>	Bluebells																							e	d					d		
<i>Mirabilis</i>	Four O'Clock				y																	y	e		d				d			
<i>Miscanthus</i>	Maiden Grass	y		y			d		y	x		y	y		e			e			x	y	e		d			e	d			
<i>Molucella</i>	Bells of Ireland																								d					d		
<i>Monarda</i>	Beebalm						d	e					y						e			y			d				d	y		
<i>Moraea</i>	Fortnight Lily			y					y			y	y		e	y		e							d				d			
<i>Muscari</i>	Hyacinth, Grape															y									d				d			
<i>Myoporum</i>	Myoporum										y		y																			
<i>Myosotis</i>	Forget-Me-Not				y																		y	e	e	d				d		
<i>Narcissus</i>	Daffodil	y				y	d	e				y			e	y					y		y	y	y	d				d	y	
<i>Nemophila</i>	Baby-Blue-Eyes																							e	d					d	y	
<i>Nepeta</i>	Catmint																								d					d		
<i>Nephrolepis</i>	Fern, Boston (Sword)							e							e										d		y			d		
<i>Nicotiana</i>	Flowering Tobacco																					y	e		d	y				d	y	
<i>Nigella</i>	Love-in-a-Mist																								d					d		
<i>Nipponanthemum</i>	Daisy, Montauk	y																				y		e	d					d		
<i>Oenothera</i>	Evening-primrose (Sundrops)	y			y				y	y		y	y			y		e				y		e	d					d	y	
<i>Onoclea</i>	Sensitive Fern												y																			
<i>Ophiopogon</i>	Mondo Grass	y		y			d	e	y			y	y		e	e	y		e	e		y	e	e	d	y				d	y	
<i>Opuntia</i>	Prickly Pear															e									d			d				
<i>Origanum</i>	Oregano								y				y																			
<i>Ornithogalum</i>	Star-of-Bethlehem														e	e	y	e					e		d					d		
<i>Osmunda</i>	Fern, Royal (Cinnamon)					y		e				y													d					d		
<i>Osteospermum</i>	Cape Daisy	y		y		y	d	e	y			y	y		e	e		y	e	e			e	e	d	y	y			d	y	
<i>Pachysandra</i>	Pachysandra			y	y	y	d	e	y	y	y	y	y	y	e	e	y	e	e	e		y	e		y	y	y			d	y	
<i>Paeonia</i>	Peony	y			y								y		e	e		e						e	d					d		
<i>Panicum</i>	Switchgrass									x												x	y			d			e	d		



		Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Pre	Post	Post	Post	Post	Post	Post	Post				
Genus	Common Name	* Barricade	Biathlon	*Corral	*Dacthal	Devrinol	*Dimension	Preen Southern	Fortress	Freehand	Fuerte	Gallery	Gemini G	OH2	Pendulum EC, ACS	Pendulum 2G	Pennant Magnum	*Ronstar G	Snapshot	Surflan	Tower	PREEN Garden	Treflan 5G	XL	Acclaim Extra	Basagran T/O	*ΔEnvoy	*Fusilade II	*ΔLontrel	Scythe	Segment	
<i>Sedum</i>	Stonecrop	y			y	y	d	e		y		y		x		e	y	e	e	e		y	e	e		d	y	y		d	y	
<i>Sempervivum</i>	Hens and Chicks																									d		y		d		
<i>Senecio</i>	Dusty Miller						y	e		y						e				e		y				d	y			d		
<i>Silene</i>	Catchfly																								e	d				d	y	
<i>Solanum</i>	Potato Vine (Nightshade)			y									y			e										d				d		
<i>Stachys</i>	Lamb's Ear																y	e				y	e			d				d	y	
<i>Stipa</i>	Feathergrass (Needlegrass)																				x	y				d				e	d	
<i>Stokesia</i>	Stokes' Aster			y												e				e				e	e	d				d		
<i>Strelitzia</i>	Bird of Paradise					y														e				e		d		y		d		
<i>Tagetes</i>	Marigold				y		d	e		y		y		x		e	y		e	e	y	y	e	e		y	y	y		d	y	
<i>Teucrium</i>	Germander	y			x								y									y	e			d				d		
<i>Thalictrum</i>	Meadow Rue	y											y													d				d		
<i>Thymus</i>	Thyme, Ornamental				y												e								e	d				d		
<i>Trachelospermum</i>	Asian Jasmine								y				y																			
<i>Tradescantia</i>	Spiderwort				y												e							e		d				d	y	
<i>Trientalis</i>	Starflower																									d				d		
<i>Tropaeolum</i>	Nasturtium				y																	y	e			d				d		
<i>Tulbaghia</i>	Society Garlic								y				y																			
<i>Tulipa</i>	Tulip	y				y	d	e				y				e	y				y		y	y		d				d	y	
<i>Verbena</i>	Verbena (Vervain)			y			d	e	y	y		y				e			e	e			y	e		d	y			d	y	
<i>Veronica</i>	Speedwell	y	y			y				x					e	e	y			e		y	e			d		y		d	y	
<i>Vinca</i>	Periwinkle (perennial gr cvr)	y	y	y		y	d	e	y	x	y	y	y		e	e	y	y	e	e	e	y	e	e		d	y	y		d	y	
<i>Viola</i>	Pansy (Violet)						d	e								e	y			e				e		d	y			d	y	
<i>Yucca</i>	Spanish Bayonet	y		y							y		y			e	y			e				e	e	d				d		
<i>Zantedeschia</i>	Calla lily														e	e										d				d		
<i>Zinnia</i>	Zinnia				y	y				y				x		e	y		e	e			y	e	e	e	d	y	y		d	y

\* Restricted use pesticide in New York State. Rate or other application restrictions apply. See labels for more information.

# **Weed Susceptibility to Broadleaf and Grass Herbicides**

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**Modified and adapted from tables developed by A. Senesac and Joseph C. Neal for  
Weed Management in Herbaceous Ornamentals**

# **Broadleaf Weed Susceptibility to Preemergence Herbicides**



Weed Species	Genus	Based on label: G = good control (80-100%) F = fair control (50-80%) P = poor control (0-50%) Based on other research: g = good control (80-100%) f = fair control (50-80%) p = poor control (0-50%)																											
		Barricade/Regalkade	Biathlon	Broadstar/Sureguard	Casoron	Dacthal	Devrinol	Dimension	Fortress	Freehand	Fuerte	Eptam	Gallery	Gemini G	Goal	HGH 75	Marengo	OH2	Pendulum	Pennant Magnum	Princep	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Tower	Trifluralin	XL
Allysum, hoary	<i>Berteroa</i>			g						G																			
Amaranth, Palmer	<i>Amaranthus</i>									G																			
Amaranth, spiny	<i>Amaranthus</i>									G																			
Aster	<i>Aster</i>				G							G													G				
Aster, heath	<i>Symphyotrichum</i>							G					G																
Aster, slender	<i>Symphyotrichum</i>												G																
Bedstraw	<i>Galium</i>													G	G						g								
Beggarweed	<i>Desmodium</i>									G																			
Bindweed, field (from roots)	<i>Convolvulus</i>	p		p	f	p	p	p		p		P		p	p	p	p	p	p	p	p	p	p	p	P	p	p	p	p
Bindweed, hedge (from roots)	<i>Calystegia</i>	p		p	f	p	p	p		p		P		p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p
Bittercress	<i>Cardamine</i>	f	G	G	g	p		G	G	G		G		g	G	G	G	f	P	f	G	G	G	G	G	G	G	p	f
Bittercress, hairy	<i>Cardamine</i>							G					G																
Bittercress, little	<i>Cardamine</i>							G																					
Bittercress, little western	<i>Cardamine</i>												G																
Bracken Fern	<i>Pteridium</i>				G																								
Brassbuttons, southern	<i>Cotula</i>							G																					
Buckwheat, wild	<i>Polygonum</i>													G	G	G					g								
Burclover	<i>Medicago</i>			G						G		F	G	G	G	G										F			
Burningbush	<i>Bassia</i>												G																
Burnweed, American	<i>Erechtites</i>	p		G					g				p	G	g	g		g	p					g	p		g	p	
Burnweed, field	<i>Soliva</i>													G															
Bursage, annual	<i>Ambrosia</i>												G																
Burweed, lawn	<i>Soliva</i>														G	G													
Buttercup	<i>Ranunculus</i>																												
Camphorweed	<i>Heterotheca</i>				G																g								
Carpetweed	<i>Mollugo</i>	G		G	G		G	G		G		F	G	G	G		g	G	G	G					F	G		G	G
Carrot, wild	<i>Daucus</i>				G		p		G			G	G			G				p				G	p			F	

Weed Species	Genus	Based on label: G = good control (80-100%) F = fair control (50-80%) P = poor control (0-50%) Based on other research: g = good control (80-100%) f = fair control (50-80%) p = poor control (0-50%)																											
		Barricade/Regalkade	Biathlon	Broadstar/Sureguard	Casoron	Dacthal	Devrinol	Dimension	Fortress	Freehand	Fuerte	Eptam	Gallery	Gemini G	Goal	HGH 75	Marengo	OH2	Pendulum	Pennant Magnum	Princep	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Tower	Trifluralin	XL
Catsear dandelion	<i>Hypochoeris</i>																												
Chamberbitter	<i>Phyllanthus</i>	p		G	p			p	G	f			p	G	f-g	f	f	f	p	p		g	g	f	p-f	f	f-g	p	
Chamomile, stinking	<i>Anthemis</i>													G															
Cheeseweed	<i>Malva</i>																												
Chickweed, common	<i>Stellaria</i>	G	G	G	G		G	G		G	G	G	G	G	g	G	G	G	G	f	G	f	p	G	G	G	G	G	G
Chickweed, mouseear	<i>Cerastium</i>	g		G	G		p	G	G	G	G		G	G		g	G	g	G		p	f	p	G	G	p	G	g	g
Clover, white	<i>Trifolium</i>				g		p						G	G	G	G	G		p		f				G	p			
Cocklebur, common	<i>Xanthium</i>				p		p								G	G			p	p	f								p
Coffeeweed	<i>Senna</i>			G	G																								
Croton, Tropic	<i>Croton</i>										G																		
Cudweed	<i>Gnaphalium</i>		G			G									G	G	G	G	p		g	G			G	p			
Cudweed, purple	<i>Gnaphalium</i>													G															
Dandelion	<i>Taraxacum</i>		G						G		G			G															
Dandelion (seedling)	<i>Taraxacum</i>			G	G		p						G			G	G	G	p	p	f	G			G	g			f
Dandelion, false	<i>Pyrrhopappus</i>				G																								
Deadnettle, purple	<i>Lamium</i>				G						G										G	g							
Dock, curly or broadleaf	<i>Rumex</i>				G												G												
Dodder	<i>Cuscuta</i>						p																						
Dogfennel	<i>Eupatorium</i>	p		G	G				f	G		F	G		g	g	g	p		g		f		G	p	f			
Doveweed	<i>Murdannia</i>			g					g	G					f-p	G	f-p												g
Evening primrose	<i>Oenothera</i>	p			G		p					f	G	G		G	g	G	f	g		F		G	g				
Eclipta	<i>Eclipta</i>	p	G	f	p				G	f	G		p	G	p	p	G	p	p	p		p	p	p	p	p	p-f	f	p
Eclipta, white	<i>Eclipta</i>													G															
Fiddleneck	<i>Amsinckia</i>																												
Fiddleneck, coast	<i>Amsinckia</i>													G															
Filaree, redstem	<i>Erodium</i>			G	g		G				G		G	G	G			G		G					G	G			

Weed Species	Genus	Based on label: G = good control (80-100%) F = fair control (50-80%) P = poor control (0-50%) Based on other research: g = good control (80-100%) f = fair control (50-80%) p = poor control (0-50%)																											
		Barricade/Regalkade	Biathlon	Broadstar/Sureguard	Casoron	Dacthal	Devrinol	Dimension	Fortress	Freehand	Fuerte	Eptam	Gallery	Gemini G	Goal	HGH 75	Marengo	OH2	Pendulum	Pennant Magnum	Princep	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Tower	Trifluralin	XL
Filaree, whitestem	<i>Erodium</i>												G																
Fireweed	<i>Epilobium</i>																												
Fleabane	<i>Erigeron</i>		G		gg								G				G	G			gg				G	gg			
Fleabane, blackleaved	<i>Conyza</i>												G																
Fleabane, dwarf	<i>Conyza</i>												G																
Flixweed	<i>Descurainia</i>													G	G					gg									
Florida Betony	<i>Stachys</i>	p		p	G	p	p	p		p		p	p	G	p	P	p	p	p	p	p	p	p	p	p	p	p	p	p
Galinsoga, hairy	<i>Galinsoga</i>	f		G	p		g		G	g	G	p	G	G	g	g			p	G	g		F		G	f	g	p	
Geranium, Carolina	<i>Geranium</i>			G	gg		gg	G	G		G		G	G	G					f					G	g			
Goosefoot	<i>Chenopodium</i>												F			G									G				
Groundcherry	<i>Physalis</i>													G		G									G				
Groundcherry, Lanceleaf	<i>Physalis</i>													G															
Groundsel, common	<i>Senecio</i>	f	G	G	G		G			f	G		G	G	G	G	G	G	p	F	G	G	G		G	G		f	F
Henbit	<i>Lamium</i>	G		G	G		g	G	G	g	G	G	G	G	G	G			G		G				G	G			G
Horseweed (marestail)	<i>Conyza</i>	f	G	G	G		f	F	G	g	G		G	G	F	g	G	G	p	f	g	G	f		G	F			
Indigo, hairy	<i>Indigofera</i>										G																		
Jimsonweed	<i>Datura</i>			G	p		p			G		F	G	G	G			p	p	p	g				G	p		p	
Knapweed, Russian or spotted	<i>Centaurea</i>				G																								
Knawel	<i>Scleranthus</i>																												
Knotweed	<i>Polygonum</i>										G			G															
Knotweed, prostrate	<i>Polygonum</i>	f			G		G	p	G			F	G	G	G	G		G	g	f		gg		G	G		G	G	
Knotweed, silversheath	<i>Polygonum</i>												G																
Kochia	<i>Kochia</i>			G						G					G	G													
Ladysthumb	<i>Polygonum</i>			G					G		G		G	G	G					g					G				
Lambsquarters	<i>Chenopodium</i>	G		G	G		G	f		f	G	G	F	G	G	G	G		G	f	G		G		G	G		G	
Lespedeza, common	<i>Lespedeza</i>								G																				
Lettuce, prickly	<i>Lactuca</i>				g		G		G				G	G	G		G		g			G					G	F	





Weed Species	Genus	Based on label: G = good control (80-100%) F = fair control (50-80%) P = poor control (0-50%) Based on other research: g = good control (80-100%) f = fair control (50-80%) p = poor control (0-50%)																											
		Barricade/Regalkade	Biathlon	Broadstar/Sureguard	Casoron	Dacthal	Devrinol	Dimension	Fortress	Freehand	Fuerte	Eptam	Gallery	Gemini G	Goal	HGH 75	Marengo	OH2	Pendulum	Pemnant Magnum	Princep	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Tower	Trifluralin	XL
Redmaids	<i>Calandrinia</i>			G				G		G					G	G													
Redmaids, Fringed	<i>Calandrinia</i>												G																
Redweed	<i>Melochia</i>			G																									
Rocket, London	<i>Sysimbrium</i>							G								G													
Rocket, yellow	<i>Barbarea</i>									G																			
Santa Maria Feverfew	<i>Parthenium</i>												G																
Senna, coffee	<i>Cassia</i>									G																			
Sesbania, hemp	<i>Sesbania</i>			G						G						G													
Shepherds purse	<i>Capsella</i>	G	G	G	G	g	G	G		G		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G		
Sida, prickly	<i>Sida</i>	p		G		p		G		G		G	G	G	G	G		g	p	g		g		G	F				
Smartweed	<i>Polygonum</i>			G	G	g				G		G	G	G	G			G	f	G		G		G	F		f		
Sorrel, red	<i>Rumex</i>				g	p		G				G	G	F	G						p			G					
Southern waterbuttons	<i>Cotula</i>												G																
Sowthistle, annual	<i>Sonchus</i>	p	G	G	g		G			f	G		G	G	G	G	G	G	g		f		G		G	F	f		
Sowthistle, spiny	<i>Sonchus</i>												G																
Spanish needles	<i>Bidens</i>				G								G								g								
Spiderwort, tropical	<i>Commelina</i>			f								G																	
Speedwell spp.	<i>Veronica</i>			G	g		p	F				G		G		G			G		G		G		G				
Speedwell, cornmon	<i>Veronica</i>																												
Speedwell, purslane	<i>Veronica</i>																												
Speedwell, thymeleaf	<i>Veronica</i>																												
Spotted catsear	<i>Hyopochaeris</i>																												
Sprangletop, Persian	<i>Leptochloa</i>																												
Spurge, garden	<i>Euphorbia</i>		G							G																			
Spurge, hyssop	<i>Chamaesyce</i>	g		g				f	G	g		f	G	f	G	g	g	g	g	p-f		f	p-f	f	f	g	g		
Spurge, petty	<i>Euphorbia</i>			G									G																
Spurge, prostrate	<i>Chamaesyce</i>	G	G	G	G		p	g	G	g	G		G	G	f			G	G	f	f	f	p-f		G	G		F	
Spurge, spotted	<i>Chamaesyce</i>	g	G	G	G		p	g	G	g	G		G	G	f	G	G	G	G		f	f	p-f		G	F	g	p	

Weed Species	Genus	Based on label:		Based on other research:																																		
		G = good control (80-100%)	F = fair control (50-80%)	P = poor control (0-50%)	g = good control (80-100%)	f = fair control (50-80%)	p = poor control (0-50%)	Barricade/Regalkade	Biathlon	Broadstar/Sureguard	Casoron	Dacthal	Devrinol	Dimension	Fortress	Freehand	Fuerte	Eptam	Gallery	Gemini G	Goal	HGH 75	Marengo	OH2	Pendulum	Pennant Magnum	Princep	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Tower	Trifluralin	XL			
Spurry, corn	<i>Spergula</i>			p		p												G			G	G																
Spurry, sand	<i>Spurgularia</i>	gg																	gg		G													gg				
Starbur, bristly	<i>Acanthospermum</i>																	G																				
Sunflower	<i>Helianthus</i>																				G																	
Sweetclover, yellow	<i>Melilotus</i>												G								G																	
Swinecress	<i>Corronopus</i>																			F	G			G										F				
Tansy mustard, green	<i>Descurainia</i>													G							G																	
Tassleflower	<i>Emilia</i>			G																				G														
Telegraph plant	<i>Heterotheca</i>																				G																	
Thickhead	<i>Crassocephalum</i>			G														G																				
Thistle, Bull	<i>Cirsium</i>			G																G		G	G															
Thistle, Canada (from seed)	<i>Cirsium</i>			G	G		p										G																					G
Thistle, Musk	<i>Carduus</i>																			F	G															G		
Thistle, Russian	<i>Salsola</i>			G	G															G	G	G	G					G							G			
Turkey mullein	<i>Croton</i>																				G																	
Velvetleaf	<i>Abutilon</i>	f		G	p		p	p									G			F		G	G	G		G	g	f			g			G	F		p	p
Vetch	<i>Vicia</i>																				G			G														
Virginia winged rockcress	<i>Sibara</i>																				G																	
Waterhemp, common	<i>Amaranthus</i>																																					
Waterhemp, tall	<i>Amaranthus</i>																																					
Woodsorrel, creeping	<i>Oxalis</i>													G																								
Yellow Rocket	<i>Barabea</i>			G	G																																	
Yellow Woodsorrel (Oxalis)	<i>Oxalis</i>	G	G	G	G		p	g	G	G	G								G	G	G	G	G	G	G	G	p	p	G	G			G	G	g	f	F	
Willowherb	<i>Epilobium</i>	p	G	G																F		f	f	G	f	p	p	g	g			F		f	f	p		

# **Grasses and Sedge Susceptibility to Preemergence Herbicides**



Weed Species	Genus	Based on label: G = good control (80-100%) F = fair control (50-80%) P = poor control (0-50%) Based on other research: g = good control (80-100%) f = fair control (50-80%) p = poor control (0-50%)																											
		Barricade/Regalkade	Biathlon	Broadstar/Sureguard	Casoron	Dacthal	Devrinol	Dimension	Fortress	Freehand	Fuerte	Eptam	Gallery	Gemini G	Goal	HGH 75	Marengo	OH2	Pendulum	Pennant Magnum	Princep	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Tower	Trifluralin	XL
Barley	<i>Hordeum</i>							G																					
Barnyardgrass	<i>Echinochloa</i>	G	G	f			G	G	G	g	G	G	p	G	F	G	G	G	G	G	G	G	G		G	G		G	G
Bermudagrass (from rhizomes)	<i>Cynodon</i>	p		p	f	p	p	p		p		p	p		p	p	p	p	p	p	p	p	p	p	p	p	p	p	p
Bermudagrass (from seed)	<i>Cynodon</i>	f					f					G	p		p			p	p	p	p		p		p	p		p	
Bluegrass, annual	<i>Poa</i>	G	G	f	G		G	G	G	g	G	G	p	G	F	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Brome, downy	<i>Bromus</i>						G	G	G			G	p			G					G				G	g		G	
Bromegrass, ripgut	<i>Bromus</i>																												
Cheat	<i>Bromus</i>																G												
Crabgrass, large	<i>Digitaria</i>	G	G	F	G		G	G	G	g	G	G	p	G	F	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Crabgrass, smooth	<i>Digitaria</i>	G		F	G		G	G	G	g	G	G	p	G	f	G	G		G	G	G	G	G	G	G	G	G	G	G
Crabgrass, southern	<i>Digitaria</i>								G		G																		
Crowfootgrass	<i>Dactyloctenium</i>							G	G		G		p	G						G	G	p				G			G
Cupgrass, woolly	<i>Eriochloa</i>													G															
Dallisgrass (seedling)	<i>Paspalum</i>							G																					
Fescue, rattail	<i>Vulpia</i>													G															
Fescue, tall (from seed)	<i>Festuca (=Sche</i>	f			G		f	f					p							p		f		p		p	p		p
<b>Flatsedge, Baldwin's</b>	<i>Cyperus</i>													G															
<b>Flatsedge, rice</b>	<i>Cyperus</i>													G															
Foxtail, bristly	<i>Setaria</i>										G																		
Foxtail (yellow, green)	<i>Setaria</i>	G	G	F	G		G	G	G	g	G	G	p	G		G	G	g	G	G	G		G		F	G	g	G	G
Foxtail, giant	<i>Setaria</i>	G		F	G		G	G			G	G	p	G	F	G	G	g	G	G	G				G	G		G	G
Garlic, wild	<i>Allium</i>															p						p							
Goosegrass	<i>Eleusine</i>	G	G	F			G	G	G	g	G	G	p		F	G	G	g	G	G	G	G	G	G	G	G	G	G	G
Itchgrass	<i>Rottboellia</i>										G		p	G						G		p							
Johnsongrass	<i>Sorghum</i>													G															
Johnsongrass (from seed)	<i>Sorghum</i>													G															
Johnsongrass (rhizome)	<i>Sorghum</i>	p		p	f	p	p	p		p		p	p		p	p		p	p	p	p	p	p	p	p	p	p	p	p
Johnsongrass (seedling)	<i>Sorghum</i>	G					F					F	p		f	G		g	G	f	p		f		F	G		G	G

Weed Species	Genus	Based on label: G = good control (80-100%) F = fair control (50-80%) P = poor control (0-50%) Based on other research: g = good control (80-100%) f = fair control (50-80%) p = poor control (0-50%)																										
		Barricade/Regalkade	Biathlon	Broadstar/Sureguard	Casoron	Dacthal	Devrinol	Dimension	Fortress	Frechand	Fuerte	Eptam	Gallery	Gemini G	Goal	HGH 75	Marengo	OH2	Pendulum	Pennant Magnum	Princep	Regal OO	Ronstar G	Showcase	Snapshot TG	Surflan	Tower	Trifluralin
Jungle rice	<i>Echinochloa</i>									G			G															
Kikuyu Grass	<i>Pennisetum</i>		G					G																				
<b>Kyllinga (from seed)</b>	<b><i>Kyllinga</i></b>			G												G												
Lovegrass	<i>Eragrostis</i>			F						G			G		G	G												
<b>Nakedstem dewflower</b>	<b><i>Murdannia</i></b>												G															
<b>Nutsedge, purple</b>	<b><i>Cyperus</i></b>	p		p	f	p	p	p		p		F	p		p	p	p	p	p	p	p	p	p	p	p	f	p	p
<b>Nutsedge, yellow</b>	<b><i>Cyperus</i></b>	p		p	G	p	f	p		F		f	p		p	p	p	p	p	F	p	p	p	p	p	F	p	p
Oats, wild	<i>Avena</i>							G																				
Onion, wild	<i>Allium</i>	p		p		p	p	p		p		p	p		p	p	p	p	p	p	p	p	p	p	p	p	p	p
Orchardgrass	<i>Dactylis</i>				G								p							p	f				g			
Panicum, browntop	<i>Panicum</i>												G															
Panicum, fall	<i>Panicum</i>		G	F			G			G	g	p	G		G			G	G	G		G		G	G			
Panicum, Texas	<i>Panicum</i>	G		F			G			G		p	G		G			G						F	G		G	
Quackgrass (from rhizome)	<i>Elymus</i>	p			G		p	p				G	p		p	p		p	p	p	p	p	p	p	p	p	p	p
Quackgrass (from seed)	<i>Elymus</i>				g							p																
Rescuegrass	<i>Bromus</i>									G			G															
Ryegrass, annual	<i>Lolium</i>	g			g		G	G	G	g		G	p		f		G	g		g	G		g		G	G	g	
Ryegrass, perennial	<i>Lolium</i>							G																				
Sandbur	<i>Cenchrus</i>						G	G				G	p			G	G		G	f	p				G		G	G
<b>Sedge, annual</b>	<b><i>Cyperus</i></b>									g			p				F										g	
Shattercane	<i>Sorghum</i>											G	p								p				p		G	
Signalgrass, broadleaf	<i>Brachiaria</i>	G									G		p	G		G			G	G	G				G			
Smutgrass	<i>Sporobolus</i>							G	G				p								p							
Sprangletop	<i>Leptochloa</i>		G				G						p	G					G		p				G			G
Stiltgrass, Japanese	<i>Microstegium</i>	g					f	g		p		p	G			p		g	p			f		f	g	p	f	
Witchgrass	<i>Panicum</i>						G			G		p	G	F	G			G	G	G				G	G			

# **Preemergence Herbicide Efficacy Rankings**

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**Modified and adapted from tables developed by A. Senesac and Joseph C. Neal for Weed Management in Herbaceous Ornamentals**

### Preemergence Herbicide Efficacy Rankings

Controlling nursery weeds requires an integrated management approach including scouting to identify infestations early, frequent hand weeding and sanitation around the nursery to prevent spread, selection of the most appropriate herbicide(s), and a continuing commitment. The chart below lists the relative effectiveness of some of the most commonly used preemergence herbicides on container nursery weeds. This is not a comprehensive listing of all herbicides labeled in nursery crops, but includes those most commonly used by growers. Before using a preemergence herbicide, always check the label for application directions, lists of tolerant crops, and other guidelines and precautions.

Species	Barricade/Regalkade	Biathlon	Broadstar	Fortress	Fuerte	Gallery	Gemini G	OH2	Pennant Magnum	Pendulum	Regal 00	Ronstar	Showcase	Snapshot TG	Surflan	Treflant
Grasses																
Annual bluegrass	G	G	P-F	G	G	P	G	G	F	G	F	G	G	G	G	F-G
Crabgrass	G	G	F-G	G	G	P	G	G	F	F-G	F-G	F-G	G	G	G	F
Goosegrass	G	G	F-G	G	G	P	?	G	F	G	G	G	G	G	G	F
Other Monocots																
Doveweed	P	?	G	?	G	P	?	F-G	F	P	F	F	?	P	P	P
Sedges, annual	P	?	P	?	?	P	?	P-F	G	F	P	P-F	?	P	P	P
Broadleaves																
Bittercress	F	G	G	G	G	G	?	G	P	P-F	G	G	G	F-G	F	P
Burnweed, Am.	P-F	?	G	?	?	F	G	G	F	P-F	G	?	?	F	P-F	P
Chamberbitter	P-F	?	G	G	?	P	G	G	P	F	G	F	F	P-F	F	P
Chickweeds	G	G	F	G	G	G	G	F-G	P	G	F	P	G	G	G	F-G
Cudweed	?	G	G	?	?	G	?	G	?	?	G	?	?	G	?	?
Dogfennel**	F-G	?	G	?	G	?	G	G	P	?	?	P	?	?	P-F	?
Eclipta	P	G	F	G	G	P-F	G	F	P	P	P-F	P	P	P-F	P-F	P
Galinsoga	P	?	G	G	G	G	G	G	F	P	G	P-F	G	G	F	P
Groundsel	P-F	G	G	?	G	F	?	G	P-F	P	G	P-F	F-G	F-G	F	P
Hawksbeard**	?	?	G	?	?	?	?	G	?	?	G	G	?	?	?	?
Horseweed	?	G	G**	G	G	G	?	G	?	G	G	G**	?	G	G	P-F
Marsh Parsley	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Mulberry weed**	F-G	?	G	?	G	G	?	G	F	F-G	F	F-G	?	F-G	G	P
Pearlwort	G	G	P	?	G	?	?	F	?	G	F	P	?	G	G	F
Phyllanthus, longstalked**	P-F	?	G	?	G	P	G	G	P	P-F	G	F-G	F	P-F	P-F	P
Spurge, garden	G	G	G	G	?	G	?	G	F	G	G	F	G	G	G	F
Spurge, hyssop	G	?	G	G	?	G	G	G	?	G	?	?	?	G	F	G
Spurge, nodding	G	?	G	?	?	F	?	G	?	G	F	F	?	F	F	P
Spurge, petty	?	?	?	?	?	?	G	?	?	?	?	?	?	?	?	?
Spurge, spotted	G	G	G	G	G	F	G	G	F	G	F	F	G	G	F	G
Sowthistle & lettuce	F	G	G	G	G	G	G	G	?	F	?	G**	G	G	?	?
Tassel-flower	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Thickhead**	?	?	G	?	G	?	?	G	?	?	F	F	?	P	?	?
Water Purslane	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Willowherb**	P	?	?	?	?	P	?	P	?	?	P	G	?	P	?	?
Woodsorrel (from seed)	G	G	G	G	G	G	G	G	F	G	G	G	G	G	G	P-F
Yellowcress (annual)**	?	?	G	?	?	G	?	G	?	?	?	?	?	G	?	?

Key: G= good control; F = fair control or inconsistent control; P = poor control; ? = insufficient data are available at the time of publication to provide a ranking. Rankings are based upon the authors' research data, experience, and label interpretation. These rankings are intended as a guide to relative effectiveness of these preemergence herbicides in container nurseries only. Actual results may vary based on herbicide rate, weather conditions, substrate, irrigation practices, and other factors. No warranty is expressed or implied.

\*\* Rankings on these species are based on limited experimental data.

**Algae, yellow field cress, British elecampane, yellow nutsedge,** and woody weeds are generally not well controlled by most of the preemergence herbicides listed above, and will require specialized management strategies. See the species descriptions in this publication for suggested management guidelines and contact your local Cooperative Extension Service for additional and updated information.

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