

Interior & Exterior Greenhouse Herbicides

Herbicides registered for use in New York State at time of publication. This information is not a substitute for pesticide labeling. Always read the product label before applying any pesticide. Always check NYS registration status and use herbicides in accordance with the label! This table is intended for use by the Cornell Greenhouse community; it is provided as a resource for comparison of label information.

Herbicide	Scythe	Round-up Pro	Finale	Barricade 65WG
Active Ingredient	Pelargonic and other fatty acids	Glyphosate, isopropylamine salt	Glucosinate-ammonium	Prodiamine
Percentage AI	60.0%	41.0%	11.33%	65.0%
EPA Registration #	53219-7	524-475	432-1229	100-834
REI	12 hrs.	4 hrs.	12 hrs.	12 hrs.
Mode of Action	Post-emergent Contact	Post-emergent Systemic, inhibits amino acid formation	Post-emergent Systemic, inhibits glutamine synthesis	Pre-emergent, prevents growth of newly germinated seeds
Registered Use	Interior and Exterior	Interior and Exterior	Interior and Exterior	Exterior only
Precautions	Avoid contacting desired green vegetation	Desirable vegetation must not be present in greenhouse. Grape plants are especially sensitive	Do not use in greenhouses containing edible crops	Do not apply to edible crops or plant edible crops in treated soil for 1 year following application
When to Use	When weeds are actively growing. Cool weather after application may reduce effectiveness	Perennials are most sensitive after reaching the reproductive stage. Less effective in cool conditions	When weeds are actively growing. Works well in cooler temperatures	Prior to seed germination. To be followed by irrigation or at least 0.5" rainfall
Where to Use	Can be used near edible crops. Labeled for control of algae and moss on cooling pads & walkways	Apply a safe distance from desired plants	Apply a safe distance from desired plants	Field and container grown ornamentals located outdoors
Weed Class Affected	Broad spectrum; most effective on young weeds	Broad spectrum, annuals & perennials	Broad spectrum, annuals & perennials	Many annual and perennial weeds
Symptoms	Burndown of contacted tissue within hours	Chlorosis, wilting and death over 2 to 7 days	Wilting and death over 2 to 4 days	Seeds die when germinating
Other Notes	Synergistic with glyphosate			