

# Weed Control Methods

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 a resource to compare weed control methods and herbicide label information.

Method	Thermal					Mechanical		Barrier	Chemical			
	Flame	Infrared Radiation	Hot Air	Steam/ Hot H <sub>2</sub> O	Hot Foam	Hoe/ Rake	Hand Pull	Mulch	Scythe	Round-up Pro	Finale	Barricade
<b>Cost of Equipment</b>	Low	Med	High	Very High	Very High	Low	Very Low	Very Low	Low			
<b>Cost of Expendables</b>	Med					None		Med	Med			
<b>Time Requirement</b>	Med	Med-High	Med	Med	Med	High	Very High	High	Low			
<b>REI</b>	None					None		None	12 hrs.	4 hrs.	12 hrs.	12 hrs.
<b>Effectiveness</b>	High for young annuals. Perennials and well-established plants usually require re-treatment					Med	High	High	As with Thermal	Med - High	Med - High	Med - High
<b>Hazards/ Cautions</b>	Burns, Fire potential		Burns	Reduced visibility, Burns						Do not use near grape plants	No edible crops nearby	Plant only non-edible crops in treated soil
<b>When/ Where to Use</b>	Most effective on newly emerged annuals					Small weeds	Few, large weeds	Long-term control	Best on young annuals	Air and soil should be warm	Weeds should be actively growing	Exterior use only. Pre-emergent
<b>Weed Class Affected</b>	All					All		All	All	Most	Most	Many

Expendables include fuel, chemicals and mulching materials.