
















Weed Name	Pictures	Crops Affected	Description	Control Methods	Recommended Chemical	Herbicide Type
Trifid Weed (*Chromolaena odorata*)		Tomato, Peppers, Potatoes	A scrambling shrub forming dense thickets, reducing field access and crop yield.	Mechanical removal and herbicide application.	Glyphosate, Pendimethalin, Triclopyr, Metsulfuron-methyl	Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Pendimethalin (Narrow-leaf selective (Pre-emergent)), Triclopyr (Broadleaf selective), Metsulfuron-methyl (Broadleaf selective)
Pompom Weed (*Campuloclinium macrocephalum*)		Onion, Tomato, Peppers	A tall herb with pink flowerheads that aggressively invades fields.	Use of Plenum or Access herbicides; early removal prevents spread.	loxynil, 2,4-D, Picloram, Metsulfuron-methyl	loxynil (Broadleaf selective), 2,4-D (Broadleaf selective), Picloram (Broadleaf selective), Metsulfuron-methyl (Broadleaf selective)
Lantana (*Lantana camara*)		Tomato, Peppers	A robust shrub forming dense thickets, competing with crops for resources.	Mechanical removal and repeated herbicide application.	Glyphosate, Triclopyr, Imazapyr	Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Triclopyr (Broadleaf selective), Imazapyr (Non-selective (Broadleaf & Narrow-leaf))
Spear Thistle (*Cirsium vulgare*)		Tomato, Peppers, Onion	A spiny-leaved weed with purple flowers, found in disturbed fields.	Mechanical removal before seed set; selective herbicide treatment.	Pendimethalin, Aminopyralid, Clopyralid, MCPA	Pendimethalin (Narrow-leaf selective (Pre-emergent)), Aminopyralid (Broadleaf selective), Clopyralid (Broadleaf selective), MCPA (Broadleaf selective)
Red Sesbania (*Sesbania punicea*)		Tomato, Onion, Potatoes	A tree with bright red flowers, spreading aggressively in wet areas.	Mechanical uprooting and herbicide treatment; continuous monitoring.	Glyphosate, Pendimethalin, Triclopyr, Imazapyr	Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Pendimethalin (Narrow-leaf selective (Pre-emergent)), Triclopyr (Broadleaf selective), Imazapyr (Non-selective (Broadleaf & Narrow-leaf))
Gifblaar (*Dichapetalum cymosum*)		Peppers, Onion, Tomato	A toxic plant affecting livestock, commonly found in agricultural lands.	Mechanical removal preferred due to toxicity; careful herbicide application.	2,4-D, Picloram, Triclopyr	2,4-D (Broadleaf selective), Picloram (Broadleaf selective), Triclopyr (Broadleaf selective)
Bridal Creeper (*Asparagus asparagoides*)		Onion, Tomato, Peppers	A climbing plant forming dense mats, smothering vegetable crops.	Mechanical removal and repeated herbicide treatment.	Glyphosate, Metsulfuron-methyl, Imazapyr	Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Metsulfuron-methyl (Broadleaf selective), Imazapyr (Non-selective (Broadleaf & Narrow-leaf))
Nutgrass (*Cyperus rotundus*)		Onion, Tomato, Peppers, Potatoes	A persistent grass-like weed with underground tubers, reducing yields.	Herbicides like Semptra or glyphosate; crop rotation helps reduce infestation.	Semptra (Halosulfuron), Glyphosate, Imazapyr	Semptra (Halosulfuron) (Narrow-leaf selective), Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Imazapyr (Non-selective (Broadleaf & Narrow-leaf))
Black Nightshade (*Solanum nigrum*)		Tomato, Peppers, Potatoes	A toxic plant affecting nightshade crops, competing for nutrients.	Manual removal and pre-emergence herbicide application.	Metsulfuron-methyl, loxynil, 2,4-D	Metsulfuron-methyl (Broadleaf selective), loxynil (Broadleaf selective), 2,4-D (Broadleaf selective)
Pigweed (*Amaranthus spp.*)		Tomato, Peppers, Onion, Potatoes	A fast-growing weed with broad leaves, depleting soil nutrients.	Herbicides like Atrazine and pre-emergence weed control.	Atrazine, Glyphosate, Pendimethalin	Atrazine (Broadleaf & Grass selective), Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Pendimethalin (Narrow-leaf selective (Pre-emergent))
Johnson Grass (*Sorghum halepense*)		Tomato, Peppers, Onion	An aggressive grass competing for water and nutrients in crops.	Herbicides such as glyphosate and selective grass killers.	Glyphosate, Fluzifop-P-butyl, Clethodim	Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Fluzifop-P-butyl (Narrow-leaf selective), Clethodim (Narrow-leaf selective)
Witchweed (*Striga asiatica*)		Tomato, Peppers	A parasitic plant attacking maize, tomatoes, and other crops.	Targeted herbicides and resistant crop varieties.	Imazapyr, Glyphosate, Atrazine	Imazapyr (Non-selective (Broadleaf & Narrow-leaf)), Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Atrazine (Broadleaf & Grass selective)
Goosegrass (*Eleusine indica*)		Onion, Tomato, Peppers	A tough, mat-forming weed that reduces crop emergence.	Pre-emergence herbicides and proper field management.	Glyphosate, Pendimethalin, Fluzifop-P-butyl	Glyphosate (Non-selective (Broadleaf & Narrow-leaf)), Pendimethalin (Narrow-leaf selective (Pre-emergent)), Fluzifop-P-butyl (Narrow-leaf selective)
Common Purslane (*Portulaca oleracea*)		Tomato, Peppers, Potatoes	A succulent weed that spreads rapidly and competes with seedlings.	Frequent cultivation and post-emergence herbicides.	Metribuzin, Diquat, Glyphosate	Metribuzin (Broadleaf & Grass selective), Diquat (Non-selective contact herbicide), Glyphosate (Non-selective (Broadleaf & Narrow-leaf))
Wild Mustard (*Sinapis arvensis*)		Onion, Tomato, Peppers, Potatoes	A yellow-flowered weed that outcompetes vegetable crops in fields.	Selective herbicides and manual weeding.	MCPA, 2,4-D, Clopyralid	MCPA (Broadleaf selective), 2,4-D (Broadleaf selective), Clopyralid (Broadleaf selective)