

Herbicide Effectiveness on Weeds in Mint

Weed Family (A, annual; B, biennial; P, perennial)	pyroxasulfone	MCPB	flumioxazin	sethoxydim	quizalofop	clethodim	sulfentrazone	oxyfluorfen	diuron	terbacil	clomazone	trifluralin	napropamide	clopyralid	bentazon	paraquat	pendimethalin
AMARANTH																	
Amaranth, Powell (A) <i>Amaranthus powellii</i>	E	F-G	F-G	P	P	P	G	F-G	F-G	F	F	G	G	P	F	G	F-G
Pigweed, redroot (A) <i>Amaranthus retroflexus</i>	E	F-G	F-G	P	P	P	G	F-G	F-G	F	F	G	G	P	F	G	F-G
Pigweed, tumble (A) <i>Amaranthus graecizans</i>	E	—	—	P	P	P	—	G	G	F	—	G	G	P	F	G	F-G
BORAGE																	
Fiddleneck, coast (A) <i>Amsinckia intermedia</i>	E	—	—	P	P	P	—	—	G	—	—	P	G	—	G	—	—
BUTTERCUP																	
Buttercup, celery-leaved (A) <i>Ranunculus sceleratus</i>	—	—	—	P	P	P	—	—	—	F	—	p*	—	—	—	G	—
Buttercup, creeping (P) <i>Ranunculus repens</i>	—	—	—	P	P	P	—	—	—	P	—	p*	—	—	—	P	—
CALTROP																	
Puncturevine (A) <i>Tribulus terrestris</i>	—	—	G	P	P	P	F-G	—	—	F	—	G	—	P	—	G	G
COMPOSITE																	
Catsear, spotted (P) <i>Hypochaeris radicata</i>	—	—	—	P	P	P	—	G*	P	P	—	P	P	—	P	—	—
DAISY, OXEYE																	
Chrysanthemum <i>Leucanthemum</i>	—	—	—	P	P	P	—	—	G*	P	—	P	P	—	F	P	—
Dandelion, common (P) <i>Taraxacum officinale</i>	—	—	F	P	P	P	P	P	F*	P	F	—	P	F-G	G*	P	P
Devil's beggarsticks (A) <i>Bidens frondosa</i>	—	—	—	P	P	P	—	—	G	F	—	P	—	—	—	—	—
Goldenrod, Canada (P) <i>Solidago canadensis</i>	—	—	—	P	P	P	—	P	P	P	—	P	P	—	—	P	P
Goldenrod, western (P) <i>Solidago occidentalis</i>	—	—	—	P	P	P	—	P	P	P	—	P	P	—	P	P	P
Groundsel, common (A) <i>Senecio vulgaris</i>	G	—	F	P	P	P	F-G	G	F	F	F	F	F-G	F-G	F-G	G	P

Weed Family (A, annual; B, biennial; P, perennial)	pyroxasulfone	MCPB	flumioxazin	sethoxydim	quizalofop	clethodim	sulfentrazone	oxyfluorfen	diuron	terbacil	clomazone	trifluralin	napropamide	clopyralid	bentazon	paraquat	pendimethalin
Horseweed (A) <i>Conyza canadensis</i>	—	—	F-G	P	P	P	G	P	F	P	—	P	F	G	F	F	P
Lettuce, prickly (A) <i>Lactuca serriola</i>	—	F	F-G	P	P	P	F-G	F-G	G	F	F-G	P	G	G	F	G	P
Mayweed (A) <i>Anthemis cotula</i>	—	—	—	P	P	P	G	—	G	G	—	P	—	G	F	F	—
Pineappleweed (A) <i>Matricaria matricarioides</i>	—	—	—	P	P	P	—	—	G	G	—	P	G	G	G	G	—
Ragwort, tansy (B) <i>Senecio jacobaea</i>	—	—	—	P	P	P	—	—	P	P	—	P	P	—	P	P	—
Salsify, common (B) <i>Tragopogon porrifolius</i>	—	—	—	P	P	P	—	F	P	P	—	P	P	G	P	F	P
Salsify, meadow (B) <i>Tragopogon pratensis</i>	—	—	—	P	P	P	—	F	P	P	—	P	P	G	P	F	P
Salsify, western (B) <i>Tragopogon dubius</i>	—	—	F	P	P	P	F	F	P	P	F-P	P	P	G	P	F	P
Sowthistle, annual (A) <i>Sonchus oleraceus</i>	F	F-G	G	P	P	P	G	G	F	G	—	P	G	G	F	F	—
Sunflower, wild (A) <i>Helianthus annuus</i>	—	—	—	P	P	P	P	—	—	—	—	P	—	G	G	—	—
Thistle, bull (B) <i>Cirsium vulgare</i>	—	—	—	P	P	P	—	—	G	F	—	P	—	—	—	—	—
Thistle, Canada (P) <i>Cirsium arvense</i>	—	F	—	P	P	P	P	P	P	P	F	P	P	G	F	P	P
FIGWORT																	
Mullein, common (B) <i>Verbascum thapsus</i>	—	—	—	P	P	P	—	—	P	—	—	—	—	P	—	F	—
Speedwell, birdseye (A) <i>Veronica persica</i>	E	—	—	P	P	P	—	G	P	F	—	G	—	P	F	G	—
Speedwell, ivyleaf (A) <i>Veronica hederifolia</i>	—	—	—	P	P	P	—	G	P	F	—	G	—	P	F	G	—
Toadflax, yellow (P) <i>Linaria vulgaris</i>	—	—	—	P	P	P	—	—	P	P	—	P	P	P	P	P	—
GERANIUM																	
Filaree (A) <i>Erodium cicutarium</i>	—	—	—	P	P	P	—	G	F	G	—	F	G	—	—	F	—
Geranium, cutleaf (A) <i>Geranium dissectum</i>	—	—	—	P	P	P	—	G	G	G	—	P	G	—	—	G	—

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Geranium, dovefoot (A) <i>Geranium molle</i>	—	—	—	P	P	P	—	G	G	G	—	P	G	—	—	G	—
GOOSEFOOT																	
Kochia (A) <i>Kochia scoparia</i>	—	—	G	P	P	P	G	F	F	F	G	G	P	P	F-G	G	G
Lambsquarters (A) <i>Chenopodium album</i>	—	F-G	G	P	P	P	G	G	G	G	G	G	G	P	F	G	G
Orach, red (A) <i>Atriplex rosea</i>	—	—	—	P	P	P	—	G	G	G	—	G	—	P	F	—	—
Thistle, Russian (A) <i>Salsola kali</i>	—	—	G	P	P	P	G	G	P	F	—	F	P	P	F	G	F
GOARD																	
Cucumber, western wild (P) <i>Marah oreganus</i>	—	—	—	P	P	P	—	P	P	P	—	P	P	—	P	P	—
GRASS																	
Barnyardgrass (A) <i>Echinochloa crus-galli</i>	—	P	F	G	G	G	P	F	G	F	G	G	G	P	P	G	G
Bermudagrass (P) <i>Cynodon dactylon</i>	—	P	—	F	G	G	P	P	P	P	—	P	P	P	P	P	P
Bluegrass, annual (A-P) <i>Poa annua</i>	—	P	—	P	P	G	—	G	G	G	—	G	G	P	P	P	G
Bluegrass, Canada (P) <i>Poa compressa</i>	—	P	—	—	—	—	—	P	P	P	—	P	P	P	P	F	P
Bluegrass, Kentucky (P) <i>Poa pratensis</i>	—	P	—	F	G	F	—	P	P	P	—	P	P	P	P	F	P
Brome, downy (A) <i>Bromus tectorum</i>	—	P	—	P	F-G	F-G	—	—	P	G	F-G	F	G	P	P	G	F
Crabgrass, large (A) <i>Digitaria sanguinalis</i>	—	P	F	—	—	—	P	—	—	—	G	—	—	P	—	—	—
Fescue, rattail (A) <i>Vulpia myuros</i>	—	P	—	P	P	P	—	F	F-G	G	F-G	G	P	P	P	F-G	—
Foxtail, green (A) <i>Setaria viridis</i>	—	P	F	F-G	G	G	P	F	F	F	G	G	F	P	P	G	G
Foxtail, yellow (A) <i>Setaria lutescens</i>	—	P	—	G	G	G	P	F	F	F	G	G	G	P	P	G	G
Oat, wild (A) <i>Avena fatua</i>	—	P	—	G	G	G	—	F	P	G	—	P	G	P	P	G	G
Quackgrass (P) <i>Elytrigia repens</i>	—	P	—	F	G	F-G	P	P	P	G	F-G	P	P	P	P	F	P

Weed Family (A, annual; B, biennial; P, perennial)	pyroxasulfone	MCPB	flumioxazin	sethoxydim	quizalofop	clethodim	sulfentrazone	oxyfluorfen	diuron	terbacil	clomazone	trifluralin	napropamide	clopyralid	bentazon	paraquat	pendimethalin
Ryegrass, Italian (A-B) <i>Lolium multiflorum</i>	E	P	—	G	G	G	—	G	F	F	—	F	F	P	P	G	—
Ryegrass, perennial (P) <i>Lolium perenne</i>	—	P	—	G	G	G	—	P	P	P	—	P	P	P	P	F	—
Sandbur (A) <i>Cenchrus longispinus</i>	—	P	—	G	G	G	P	—	F	F	—	G	—	P	P	—	G
Velvetgrass (P) <i>Holcus lanatus</i>	—	P	—	F-G	P	F-G	—	P	P	G	—	P	P	P	P	F	—
Wheat, volunteer (A) <i>Triticum aestivum</i>	—	P	—	G	G	G	—	—	P	F	G	P	F	P	P	G	—
Witchgrass (A) <i>Panicum capillare</i>	—	P	—	G	G	G	—	F	P	G	—	G	G	P	P	G	—
Horsetail																	
Horsetail, field (P) <i>Equisetum arvense</i>	—	—	—	P	P	P	—	—	P	P	—	P	P	P	P	P	P
KNOTWEED																	
Buckwheat, wild (A) <i>Polygonum convolvulus</i>	—	—	—	P	P	P	—	G	G	G	—	G	—	G	G	—	—
Dock, broadleaf (P) <i>Rumex obtusifolius</i>	—	—	—	P	P	P	—	—	F**	G**	—	F	—	F	—	—	—
Knotweed, prostrate (A) <i>Polygonum aviculare</i>	—	—	—	P	P	P	—	G	F	G	—	G	F	F	F	—	—
Ladysthumb (A) <i>Polygonum persicaria</i>	—	F-G	G	P	P	P	G	G	F	G	—	G	—	F-G	G	—	—
Sorrel, red (P) <i>Rumex acetosella</i>	E	—	—	P	P	P	—	—	G**	G**	—	F	—	G	F	—	—
LEGUME																	
Clover, hop (A) <i>Trifolium dubium</i>	—	—	—	P	P	P	—	G	—	—	—	—	—	G	P	—	P
Clover, white (P) <i>Trifolium repens</i>	—	—	P	P	P	P	—	G	P	—	—	P	P	G	P	P	P
Vetch, common (A) <i>Vicia sativa</i>	—	—	—	P	P	P	—	G	P	—	—	P	—	G	P	—	P
Vetch, hairy (A) <i>Vicia villosa</i>	—	—	—	P	P	P	—	G	P	—	—	P	—	G	P	—	P
LILY																	
Garlic, volunteer (P) <i>Allium sativum</i>	—	—	—	P	P	P	—	P	P	F	—	P	P	P	P	G	—

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Garlic, wild (P) <i>Allium vineale</i>	—	—	—	P	P	P	—	P	P	P	—	P	P	P	P	G	—
Madder																	
Bedstraw, catchweed (A) <i>Galium aparine</i>	—	—	G	P	P	P	G	G	P	P	—	F	—	P	F	P	P
Madder, field (A) <i>Sherardia arvensis</i>	—	—	—	P	P	P	—	—	—	—	—	—	—	P	—	—	—
MALLOW																	
Mallow, common (A-B) <i>Malva neglecta</i>	—	—	F-G	P	P	P	F-G	G	P	G	G	P	G	—	G	F	P
MINT																	
Deadnettle, red (A) <i>Lamium purpureum</i>	—	—	—	P	P	P	—	G	G	F	—	G	P	—	F	G	—
Henbit (A) <i>Lamium amplexicaule</i>	—	—	—	P	P	P	—	G	G	F	G	G	P	—	F	G	G
Morningglory																	
Bindweed, field (P) <i>Convolvulus arvensis</i>	P	F	—	P	P	P	F	P	P	P	F	P	P	P	P	P	P
MUSTARD																	
Bittercress, little (A) <i>Cardamine oligosperma</i>	G	—	—	P	P	P	—	G	G	G	—	P	G	P	—	G	P
False flax, small seed (A) <i>Camelina microcarpa</i>	—	—	—	P	P	P	—	—	G	G	—	P	—	—	—	—	—
Flixweed (A) <i>Descurainia sophia</i>	—	—	G	P	P	P	G	G	G	G	—	P	F	P	G	G	P
Mustard, blue (A) <i>Chorispora tenella</i>	—	—	—	P	P	P	—	G	—	P	—	P	—	P	P	P	P
Mustard, hedge (A) <i>Sisymbrium officinale</i>	—	—	F	P	P	P	F	—	G	G	F-G	P	—	P	—	—	—
Mustard, tall hedge (A) <i>Sisymbrium loeselii</i>	—	—	F-G	P	P	P	P	F-G	F	F	G	P	—	F	—	F-G	—
Mustard, tansy (A) <i>Descurainia pinnata</i>	—	—	—	P	P	P	—	G	G	G	—	P	—	P	—	G	—
Mustard, tumble (A) <i>Sisymbrium altissimum</i>	—	—	G	P	P	P	F	G	G	G	G	P	—	P	—	—	—
Pepperweed, field (A) <i>Lepidium campestre</i>	—	—	—	P	P	P	—	—	G	G	—	P	—	—	G	G	—
Pepperweed, yellowflower (A)	—	—	—	P	P	P	—	G	G	G	—	P	—	—	G	G	—

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<i>Lepidium perfoliatum</i>																	
Shepherdspurse (A) <i>Capsella bursa-pastoris</i>	—	—	G	P	P	P	G	G	G	G	—	P	P	P	G	G	—
Turnip, wild (A) <i>Brassica campestris</i>	—	—	—	P	P	P	—	G	G	G	—	P	P	P	F	G	—
NIGHTSHADE																	
Nightshade, black (A) <i>Solanum nigrum</i>	—	—	G	P	P	P	G	G	G	G	—	P	—	G	P	—	F
Nightshade, cutleaf (A) <i>Solanum triflorum</i>	—	—	G	P	P	P	G	—	G	G	—	P	—	G	—	—	F
Nightshade, hairy (A) <i>Solanum sarrachoides</i>	—	—	G	P	P	P	G	G	G	G	—	P	P	G	G	—	F
PHLOX																	
Polemonium, annual (A) <i>Polemonium micranthum</i>	—	—	—	P	P	P	—	—	G	G	—	—	—	—	—	G	—
PINK																	
Chickweed, common (A) <i>Stellaria media</i>	—	—	G	P	P	P	—	F	G	G	—	G	G	P	G	G	—
Chickweed, jagged (A) <i>Holosteum umbellatum</i>	—	—	—	P	P	P	—	P	G	G	—	G	G	P	—	G	—
Chickweed, mouseear (P) <i>Cerastium vulgatum</i>	—	—	G	P	P	P	—	F	G	G	—	G	G	P	G	G	—
Chickweed, sticky (A) <i>Cerastium viscosum</i>	—	—	G	P	P	P	—	F	G	G	—	G	G	P	G	G	—
PRIMROSE																	
Willowweed, panicle (A) <i>Epilobium paniculatum</i>	E	—	—	P	P	P	—	—	G	G	—	—	P	—	—	G	—
PURSLANE																	
Minerslettuce (A) <i>Montia perfoliata</i>	—	—	—	P	P	P	—	—	G	G	—	F	P	—	—	G	—
Purslane, common (A) <i>Portulaca oleracea</i>	—	—	—	P	P	P	—	G	G	G	G	G	G	—	G	—	G
ROSE																	
Cinquefoil, silverweed (P) <i>Potentilla anserina</i>	—	—	—	P	P	P	—	—	P	F	—	—	—	—	—	—	—
Ladysmantle, western (A) <i>Alchemilla occidentalis</i>	—	—	—	P	P	P	—	G	G	G	—	—	—	P	—	G	—

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ST. JOHNSWORT																	
St. Johnswort (P) <i>Hypericum perforatum</i>	E	—	—	P	P	P	—	—	P	P	—	P	P	—	—	P	—
SEDGE																	
Nutsedge, yellow (P) <i>Cyperus esculentus</i>	—	—	P	P	P	P	F-G	P	P	G	—	P	P	P	F	G	P
VIOLET																	
Pansy, field (P) <i>Viola arvensis</i>	—	—	—	P	P	P	—	—	P	P	—	P	—	P	P	P	P
E = excellent, 90 to 100% control; G = good, 80 to 90% control; F = fair, 70 to 80% control; P = poor, <70% control; — = no information *, at seedling stage only; **, at seedling stage and volunteers only																	