

Herbicide Effectiveness on Weeds in Mint

| Weed Family (A, annual; B, biennial; P, perennial) | pyoxasulfone | 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 | benzafos-floprym | 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 |

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|---|---------------|------|-------------|------------|------------|-----------|---------------|-------------|--------|----------|-----------|-------------|-------------|------------|--------------|----------|---------------|
| Ryegrass, Italian (A-B) Lolium multiflorum | E | P | — | G | G | G | — | G | F | F | — | F | F | P | P | G | — |
| Ryegrass, perennial (P) Lolium perenne | - | P | — | G | G | G | — | P | P | P | — | P | P | P | P | F | — |
| Sandbur (A) Cenchrus longispinus | - | P | — | G | G | G | P | — | F | F | — | G | — | P | P | — | G |
| Velvetgrass (P) Holcus lanatus | - | P | — | F-G | P | F-G | — | P | P | G | — | P | P | P | P | F | — |
| Wheat, volunteer (A) Triticum aestivum | - | P | — | G | G | G | — | — | P | F | G | P | F | P | P | G | — |
| Witchgrass (A) Panicum capillare | - | P | — | G | G | G | — | F | P | G | — | G | G | P | P | G | — |
| HORSETAIL | | | | | | | | | | | | | | | | | |
| Horsetail, field (P) Equisetum arvense | - | - | — | P | P | P | — | — | P | P | — | P | P | P | P | P | P |
| KNOTWEED | | | | | | | | | | | | | | | | | |
| Buckwheat, wild (A) Polygonum convolvulus | - | - | — | P | P | P | — | G | G | G | — | G | — | G | G | — | — |
| Dock, broadleaf (P) Rumex obtusifolius | - | - | — | P | P | P | — | — | F** | G** | — | F | — | F | — | — | — |
| Knotweed, prostrate (A) Polygonum aviculare | - | - | — | P | P | P | — | G | F | G | — | G | F | F | F | — | — |
| Ladysthumb (A) Polygonum persicaria | - | F-G | G | P | P | P | G | G | F | G | — | G | — | F-G | G | — | — |
| Sorrel, red (P) Rumex acetosella | E | - | — | P | P | P | — | — | G** | G** | — | F | — | G | F | — | — |
| LEGUME | | | | | | | | | | | | | | | | | |
| Clover, hop (A) Trifolium dubium | - | - | — | P | P | P | — | G | — | — | — | — | — | G | P | — | P |
| Clover, white (P) Trifolium repens | - | - | P | P | P | P | — | G | P | — | — | P | P | G | P | P | P |
| Vetch, common (A) Vicia sativa | - | - | — | P | P | P | — | G | P | — | — | P | — | G | P | — | P |
| Vetch, hairy (A) Vicia villosa | - | - | — | P | P | P | — | G | P | — | — | P | — | G | P | — | P |
| LILY | | | | | | | | | | | | | | | | | |
| Garlic, volunteer (P) Allium sativum | - | - | — | P | P | P | — | P | P | F | — | P | P | P | P | G | — |

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|--|---------------|------|-------------|------------|------------|-----------|---------------|-------------|--------|----------|-----------|-------------|-------------|------------|----------|----------|---------------|
| Garlic, wild (P) Allium vineale | - | - | — | P | P | P | — | P | P | P | — | P | P | P | P | G | — |
| MADDER | | | | | | | | | | | | | | | | | |
| Bedstraw, catchweed (A) Galium aparine | - | - | G | P | P | P | G | G | P | P | — | F | — | P | F | P | P |
| Madder, field (A) Sherardia arvensis | - | - | — | P | P | P | — | — | — | — | — | — | — | P | — | — | — |
| MALLOW | | | | | | | | | | | | | | | | | |
| Mallow, common (A-B) Malva neglecta | - | - | F-G | P | P | P | F-G | G | P | G | G | P | G | — | G | F | P |
| MINT | | | | | | | | | | | | | | | | | |
| Deadnettle, red (A) Lamium purpureum | - | - | — | P | P | P | — | G | G | F | — | G | P | — | F | G | — |
| Henbit (A) Lamium amplexicaule | - | - | — | P | P | P | — | G | G | F | G | G | P | — | F | G | G |
| MORNINGGLORY | | | | | | | | | | | | | | | | | |
| Bindweed, field (P) Convolvulus arvensis | P | F | — | P | P | P | F | P | P | P | F | P | P | P | P | P | P |
| MUSTARD | | | | | | | | | | | | | | | | | |
| Bittercress, little (A) Cardamine oligosperma | G | — | — | P | P | P | — | G | G | G | — | P | G | P | — | G | P |
| False flax, small seed (A) Camelina microcarpa | - | — | — | P | P | P | — | — | G | G | — | P | — | — | — | — | — |
| Flixweed (A) Descurainia sophia | - | — | G | P | P | P | G | G | G | G | — | P | F | P | G | G | P |
| Mustard, blue (A) Chorispora tenella | - | — | — | P | P | P | — | G | — | P | — | P | — | P | P | P | P |
| Mustard, hedge (A) Sisymbrium officinale | - | — | F | P | P | P | F | — | G | G | F-G | P | — | P | — | — | — |
| Mustard, tall hedge (A) Sisymbrium loeselii | - | — | F-G | P | P | P | P | F-G | F | F | G | P | — | F | — | F-G | — |
| Mustard, tansy (A) Descurainia pinnata | - | — | — | P | P | P | — | G | G | G | — | P | — | P | — | G | — |
| Mustard, tumble (A) Sisymbrium altissimum | - | — | G | P | P | P | F | G | G | G | G | P | — | P | — | — | — |
| Pepperweed, field (A) Lepidium campestre | - | — | — | 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 G = good F = fair P = poor — = no information | | | | | | | | | | | | | | | | | |