

POST-EMERGENCE WEED CONTROL

(COOL-SEASON)

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Susceptibility of Broadleaf Weeds to Turf Herbicides

| Weed | Response of Weeds to Herbicides | | | |
|-------------------------|---------------------------------|--------|--------------------|------------------|
| | Classification of Weed | 2, 4-D | Mecoprop (or MCPP) | Dicamba (Banvel) |
| Bittercress, Hairy | WA | S | I | S |
| Black Medic | A | R | I | S |
| Buttercups | WA, B & P | S-I | I | I-R |
| Carolina Geranium | WA | S | S-I | S |
| Carpetweed | SA | S | I | S |
| Catsear | P | S-I | I | S |
| Chicory | P | S | S | S |
| Chickweed, Common | WA | R | S-I | S |
| Chickweed, Mouseear | WA, P | I-R | S-I | S |
| Clover, Hop | WA | I | S | S |
| Clover, White | P | I | S | S |
| Dandelion | P | S | S | S |
| Dichondra | P | S | I | S-I |
| Dock, Broadleaf & Curly | P | I | I-R | S |
| Garlic, Wild | P | S-I | R | S-I |

A = annual; B = biennial; P = perennial; SA = summer annual; WA = winter annual; S = susceptible; I = intermediately susceptible, good control sometimes with high rates, however a repeat treatment 3 to 4 weeks later each at the standard or reduced rate is usually more effective; R = resistant in most cases.

continued

Susceptibility of Broadleaf Weeds to Turf Herbicides (Cont.)

Response of Weeds to Herbicides

| Weed | Classification of Weed | 2, 4-D | Mecoprop (or MCPP) | Dicamba (Banvel) |
|-------------------------|------------------------|--------|--------------------|------------------|
| Ground Ivy | P | I-R | I | S-I |
| Hawkweed | P | S-I | R | S-I |
| Healall | P | S | R | S-I |
| Henbit | WA | I-R | I | S |
| Knawel | WA | R | I | S |
| Knotweed, Prostrate | SA | R | I | S |
| Lespedeza | SA | I-R | S | S |
| Mallow | SA | I-R | I | S-I |
| Mugwort | P | I | I-R | S-I |
| Parsley-piert | WA | R | S-I | S-I |
| Pennywort, lawn | P | S-I | S-I | S-I |
| Plantains | P | S | I-R | R |
| Purslane, Common | SA | I | R | S |
| Red Sorrel | P | R | S | S |
| Speedwell, Corn | WA | I-R | I-R | I-R |
| Spurge, Prostrate | SA | I | I | S |
| Spurge, Spotted | SA | I-R | S-I | S-I |
| Spurweed | WA | I | S-I | S |
| Strawberry, India Mock | P | R | I | S-I |
| Violet, Johnnyjumpup | WA | I-R | I-R | S-I |
| Violet, Wild | P | I-R | I-R | S-I |
| Woodsorrel, Common Yel. | P | R | R | I |
| Yarrow | P | I | I-R | S |

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Tolerance of Cool-Season Turfgrasses to Post-Emergence Herbicides for Broadleaf and/or Grass Weed Control

| Turfgrass | 2,4-D | Mecoprop | Dicamba | Bromoxynil | Dichlorprop | Triclopyr | DSMA, MSMA, CNA | Benzon | Ethofumesate | Fenoxaprop |
|--------------------|-------|----------|---------|------------|-------------|-----------|-----------------|--------|--------------|------------|
| Bentgrass | S-I* | T | I | T | I | S-I | I | T | S | S |
| Kentucky Bluegrass | T | T | T | T | T | T | I | T | S | T |
| Tall Fescue | T | T | T | T | T | T | I | T | S | T |
| Fine Fescue | T | T | T | T | T | I | I | T | S | T |
| Perennial Ryegrass | T | T | T | T | T | T | T | T | T | T |

*I = Intermediately tolerant, use with caution, use at reduced label rates, or minimum label rates; S = sensitive, do not use this herbicide; T = tolerant.

Post-Emergence Herbicides and Package Combinations for Selective Control of Broadleaf Weeds in Cool-Season Turfgrasses

| Common Name of Herbicide | Examples of Commercial Products for Professional Applicators |
|--------------------------------|--|
| 2,4-D | Various |
| mecoprop | Lescopex, Mecomec |
| dicamba | Banvel |
| bromoxynil | Buctril |
| 2,4-D + dicamba | Lesco Eight-One |
| 2,4-D + dichlorprop (2,4-DP) | Weedone DPC, Weedone DPC Amine |
| 2,4-D + mecoprop (MCP) | Turk Kleen, Lescopar, 2 Plus 2 |
| triclopyr + 2,4-D | Turflon D, Turflon II amine |
| 2,4-D + dichlorprop + dicamba | Super Trimec |
| 2,4-D + mecoprop + dicamba | Trimec Classic, Trex-San, Lesco Three-Way |
| 2,4-D + mecoprop + dichlorprop | Weedestroy Triamine, Weedestroy Tri-ester |
| MCPA + mecoprop + dicamba | Trimec Encore, Weedestroy Triamine II |