

TURFGRASS WEED RESPONSE TO PREEMERGENCE HERBICIDES

| HERBICIDES                         | ANNUAL GRASSES   |           |            |         | ANNUAL BROADLEAVES |                  |                |        |             |          |           |               |         |          | PERENNIAL GRASSES |              |             |             | PERENNIAL BROADLEAVES |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
|------------------------------------|------------------|-----------|------------|---------|--------------------|------------------|----------------|--------|-------------|----------|-----------|---------------|---------|----------|-------------------|--------------|-------------|-------------|-----------------------|-----------|-----------|-------|------------|--------|-----------------|-------------------|-----------|-----------|------------|---------|---------------------|-------------|------------------|
|                                    | Annual bluegrass | Crabgrass | Goosegrass | Sandbur | Bittercrs          | Common Chickweed | Corn Speedwell | Henbit | Hop Clover' | Knotweed | Lespedeza | Parsley Piert | Spurges | Spurweed | Bahiagrass        | Bermudagrass | Dallisgrass | Tall Fescue | Clovers               | Dandelion | Dichondra | Docks | Ground Ivy | Mallow | Mock Strawberry | Mousear Chickweed | Pennywort | Plantains | Woodsorrel | Violets | Virginia Buttonweed | OTHER WEEDS | Nutsedge, Yellow |
| atrazine (AAtrex)                  | E                | F         |            |         | E                  | E                | E              | E      | E           | E        | E         | E             | E       | E        | F                 |              |             | F           | E                     | F         | G         | G     |            |        |                 |                   | E         | G         | E          | F       |                     |             |                  |
| benefin (Balan)                    | E                | E         | F          | F       |                    | G                | E              | G      |             |          |           | E             |         |          |                   |              |             |             |                       |           |           |       |            |        |                 | E                 |           |           |            |         |                     |             |                  |
| benefin + oryzalin (XL)            | E                | E         | F          | G       |                    | G                |                | G      |             | L        |           | E             | G       |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| benefin + trifluralin (Team)       | E                | E         | F          | F       |                    |                  |                |        |             |          |           | E             |         |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| bensulide (Betasan)                | F                | E         | F          | G       |                    |                  |                |        |             | G        | G         | E             |         |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| bensulide + oxadiazon (Goose/Crab) | F                | E         | E          | G       |                    |                  |                |        |             |          |           |               |         |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| dithiopyr (Dimension)              | E                | E         | G          |         | E                  | E                | G              | E      |             |          |           | E             | G       |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| ethofumesate (Prograss)            | G                |           |            |         |                    | L                |                |        |             |          |           |               |         |          | F                 |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| fenamirol (Rubigan)                | G                |           |            |         |                    |                  |                |        |             |          |           |               |         |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| isoxaben (Gallery)                 | P                | P         | P          | P       | E                  | E                | E              | E      | E           |          |           | E             | E       | E        |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| metolachlor (Pennant)              | F                | F         | F          | F       |                    |                  |                |        |             |          |           |               |         |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             | F                |
| oryzalin (Surflan)                 | G                | E         | G          | G       |                    | G                |                | G      |             | L        |           | G             | E       |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| oxadiazon (Ronstar)                | G                | E         | E          | F       |                    | P                | G              | P      | G           | G        | G         | E             | F       | P        |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| pendimethalin (Lesco Pre-M, etc.)  | G                | E         | G          | G       |                    | L                |                | L      |             |          |           |               | G       |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| prodiamine (Barricade)             | E                | E         | G          |         |                    | G                |                | G      |             | G        |           |               | G       |          |                   |              |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| siduron (Tupersan)                 |                  | G         | P          |         |                    |                  |                |        |             | P        |           |               | P       |          |                   | F            |             |             |                       |           |           |       |            |        |                 |                   |           |           |            |         |                     |             |                  |
| simazine (Princep)                 | E                | F         |            |         | E                  | E                | G              | E      | E           | G        | E         | G             | G       | E        |                   |              |             | F           |                       | G         |           |       |            |        |                 | E                 |           |           |            |         |                     |             |                  |

E = Excellent, ≥90% control. Good = 80% to 89% control. F = Fair, 70% to 79% control. P = Poor, <70% control.  
 L = Weed species is listed on the herbicide label, but has not been evaluated by the University of Arkansas. \_ = Weed response is not known.