

## WEED RESPONSE RATINGS FOR BURNDOWN HERBICIDES – ALL CROPS

(See Explanation of Rating Tables on Page 3.)

| HERBICIDE <sup>1</sup>                     | MODE OF ACTION | GRASSES          |               |                       |           |               |               |            |                          | BROADLEAVES |                   |            |                      |                |           |            |                         |                     |   |                       |                   |          |                                       | SEDGES          | COVER CROP TERMINATION |                  |            |                     |                 |                     |            |        |          |                 |             |             |
|--|----------------|------------------|---------------|-----------------------|-----------|---------------|---------------|------------|--------------------------|-------------|-------------------|------------|----------------------|----------------|-----------|------------|-------------------------|---------------------|---|-----------------------|-------------------|----------|---------------------------------------|-----------------|------------------------|------------------|------------|---------------------|-----------------|---------------------|------------|--------|----------|-----------------|-------------|-------------|
|  |                | Annual Bluegrass | Barnyardgrass | Broadleaf Signalgrass | Crabgrass | Giant Foxtail | Little Barley | Weedy rice | Ryegrass <sup>9,10</sup> | Buttercup   | Carolina Geranium | Chickweeds | Common Lambsquarters | Common Ragweed | Coreopsis | Curly Dock | Cutleaf Eveningprimrose | Henbit <sup>9</sup> | Horseweed, Glyphosate-Resistant <sup>9,11</sup> | Mayweed <sup>11</sup> | Morningglory spp. | Mustards | Palmer Amaranth, Glyphosate-Resistant | Prickly Lettuce | Smartweed spp.         | Sow Thistle spp. | Swinecress | Virginia Pepperweed | Yellow Nutsedge | Austrian Winter Pea | Cereal Rye | Clover | Rapeseed | Tillage Raddish | Hairy Vetch | Wheat Cover |
| 2,4-D (labeled formulations)               | 4              | 0                | 0             | 0                     | 0         | 0             | 0             | 0          | 8                        | 5           | 0                 | 2          | 9                    | 7              | 9         | 8          | 5                       | 8                   | 8   | 9                     | 6                 | 9        | 8                                     | 6               | 7                      | 6                | 2          | 4                   | 6               | 0                   | 6          | 5      | 5        | 9               | 0           |             |
| dicamba <sup>2</sup>                       | 4              | 0                | 0             | 0                     | 0         | 0             | 0             | 0          | 6                        | 7           | 8                 | 4          | 9                    | 7              | 8         | 8          | 6                       | 9                   | 6   | 9                     | 7                 | 8        | 7                                     | 6               | 8                      | 7                | 3          | 0                   | 7               | 0                   | 7          | 5      | 5        | 9               | 0           |             |
| Elevore <sup>3</sup>                       | 4              | 0                | 0             | 0                     | 0         | 0             | 0             | 0          | -                        | 0           | 6                 | -          | -                    | -              | -         | 5          | 7                       | 9                   | 0   | -                     | -                 | -        | -                                     | -               | -                      | -                | -          | -                   | -               | 0                   | -          | -      | -        | 6               | -           |             |
| Glyphosate <sup>4</sup>                    | 9              | 10               | 9             | 8                     | 10        | 8             | 10            | 8          | 6                        | 5           | 7                 | 10         | 8                    | 9              | 4         | 7          | 6                       | 7                   | 2   | 7                     | 6                 | 10       | 0                                     | 9               | 8                      | 8                | 6          | 10                  | 4               | 6                   | 10         | 6      | 4        | 5               | 6           | 9           |
| Glyphosate + dicamba or 2,4-D <sup>5</sup> | 9+4            | 10               | 10            | 8                     | 10        | 8             | 10            | 8          | 6                        | 10          | 9                 | 10         | 10                   | 10             | 7         | 9          | 9                       | 10                  | 9   | 10                    | 10                | 10       | 8                                     | 10              | 9                      | 9                | 8          | 10                  | 4               | 7                   | 10         | 8      | 6        | 6               | 10          | 9           |
| Glyphosate + Elevore                       | 9+4            | 10               | 9             | 8                     | 10        | 8             | 10            | 8          | 6                        | 5           | 7                 | 10         | 8                    | 9              | 4         | 7          | 6                       | 9                   | 10  | 7                     | 6                 | 10       | 0                                     | 9               | 8                      | 8                | 6          | 10                  | 4               | 6                   | 10         | 6      | 4        | 5               | 7           | 9           |
| Glyphosate + FirstShot                     | 9+2            | 10               | 7             | 8                     | 8         | 8             | 10            | 8          | 6                        | 8           | 9                 | 10         | 10                   | 9              | 4         | 10         | 7                       | 9                   | 5   | 8                     | 7                 | 10       | 4                                     | 10              | 10                     | 8                | 6          | 10                  | 4               | 6                   | 10         | 8      | 5        | 6               | 8           | 9           |
| Glyphosate + Glutosinate                   | 9+10           | 10               | 9             | 9                     | 10        | 10            | 10            | 9          | 6                        | 10          | 8                 | 10         | 9                    | 10             | 7         | 8          | 8                       | 10                  | 9   | 8                     | 10                | 10       | 9                                     | 10              | 9                      | 9                | 7          | 10                  | 7               | 8                   | 10         | 10     | 6        | 7               | 10          | 10          |
| Glyphosate + Goal                          | 9+14           | 10               | 8             | 8                     | 9         | 8             | 10            | 8          | 6                        | 9           | 9                 | 10         | 8                    | 9              | 4         | 7          | 7                       | 10                  | 8   | 7                     | 7                 | 10       | 7                                     | 9               | 10                     | 8                | 6          | 8                   | 4               | -                   | 10         | -      | -        | -               | 7           | 9           |
| Glyphosate + LeadOff <sup>6</sup>          | 9+2            | 10               | 8             | 8                     | 8         | 8             | 10            | 8          | 8                        | 9           | 9                 | 10         | 10                   | 9              | 6         | 10         | 7                       | 9                   | 6   | 9                     | 7                 | 10       | 5                                     | 10              | 9                      | 8                | 8          | 9                   | 6               | 7                   | 10         | 9      | 6        | 7               | 8           | 9           |
| Glyphosate + Reviton                       | 9+14           | 10               | 10            | 9                     | 9         | 8             | 10            | 8          | 6                        | 10          | 9                 | 10         | 8                    | 10             | -         | -          | 8                       | 9                   | 9   | -                     | 8                 | 10       | 9                                     | 9               | 8                      | 8                | 6          | 10                  | 6               | 8                   | 10         | 9      | -        | -               | 10          | 9           |
| Glyphosate + Sharpen                       | 9+14           | 10               | 10            | 9                     | 9         | 9             | 8             | 9          | 6                        | 10          | 8                 | 8          | 10                   | 10             | 7         | 7          | 7                       | 8                   | 8   | 8                     | 8                 | 9        | 8                                     | 8               | 9                      | 9                | 7          | 9                   | 7               | 8                   | 10         | 9      | 6        | 7               | 9           | 10          |
| Glyphosate + Sharpen + 2,4-D               | 9+14+4         | 10               | 10            | 9                     | 9         | 9             | 10            | 9          | 6                        | 10          | 10                | 10         | 10                   | 10             | 9         | 10         | 8                       | 10                  | 10  | 10                    | 10                | 10       | 10                                    | 10              | 10                     | 9                | 10         | 7                   | 9               | 10                  | 10         | 7      | 8        | 10              | 9           |             |
| Glyphosate + Valor <sup>7</sup>            | 9+14           | 10               | 9             | 8                     | 10        | 8             | 10            | 8          | 6                        | 6           | 8                 | 10         | 9                    | 9              | 6         | 7          | 9                       | 9                   | 2   | 7                     | 9                 | 10       | 4                                     | 9               | 9                      | -                | -          | 10                  | 6               | 8                   | 10         | 9      | 6        | 7               | 8           | 9           |
| Clethodim (Select Max) <sup>8</sup>        | 1              | 6                | 9             | 10                    | 9         | 9             | 7             | 9          | 9                        | 0           | 0                 | 0          | 0                    | 0              | 0         | 0          | 0                       | 0                   | 0   | 0                     | 0                 | 0        | 0                                     | 0               | 0                      | 0                | 0          | 0                   | 0               | 0                   | 9          | 0      | 0        | 0               | 0           | 9           |
| Glufosinate + 2,4-D or dicamba             | 10+4           | 6                | 7             | 7                     | 7         | 8             | 7             | 7          | 5                        | 10          | 8                 | 10         | 9                    | 10             | 7         | 8          | 8                       | 10                  | 9   | 10                    | 10                | 10       | 10                                    | 9               | 8                      | 8                | 8          | 10                  | 5               | 8                   | 7          | 9      | 5        | 7               | 10          | 5           |
| Paraquat <sup>9</sup>                      | 22             | 9                | 7             | 8                     | 8         | 8             | 9             | 7          | 6                        | 7           | 9                 | 10         | 9                    | 8              | 8         | 5          | 7                       | 8                   | 5   | 7                     | 8                 | 10       | 9                                     | 6               | 6                      | 6                | 4          | 0                   | 4               | 8                   | 7          | 9      | 5        | 8               | 8           | 7           |
| Paraquat + PSII <sup>10</sup>              | 22+5           | 9                | 9             | 9                     | 9         | 9             | 10            | 8          | 8                        | 8           | 9                 | 10         | 9                    | 8              | 9         | 6          | 7                       | 9                   | 6   | 7                     | 9                 | 10       | 10                                    | 6               | 6                      | 6                | 4          | 0                   | 5               | 9                   | 10         | 10     | 7        | 9               | 9           | 9           |

<sup>1</sup> Herbicide rates are: Glyphosate (4 lb/gal) 1 qt/A; paraquat 40 oz/A. Add 0.25% v/v surfactant with paraquat.

<sup>2</sup> Check the Arkansas State Plant Board website ([www.aad.arkansas.gov](http://www.aad.arkansas.gov)) for updated regulations on dicamba.

<sup>3</sup> Elevore is a slow-acting herbicide. It may take 3 weeks or longer to reach maximum control.

<sup>4</sup> Increasing glyphosate rates to 1.5 lb ai or 3 pt/A of 4 lb/gal will increase efficacy on non-resistant weeds.

<sup>5</sup> Glyphosate (4 lb/gal) 1 qt + 2,4-D 1.5 pt/A.

<sup>6</sup> Add 2,4-D or dicamba for improved control of cutleaf eveningprimrose and horseweed.

<sup>7</sup> Adding Valor or other flumioxazin products like Afforia will provide residual control of horseweed and pigweed, but no postemergence control.

<sup>8</sup> Clethodim activity on grass weeds will be reduced when tankmixed with an auxin such as 2,4-D or dicamba and when applied during cold temperatures.

<sup>9</sup> Adding a PSII-inhibiting herbicide such as metribuzin in beans, atrazine in corn or Cotoran in cotton will greatly increase weed control with paraquat.

<sup>10</sup> For glyphosate-resistant ryegrass and henbit, fall applications may be more effective than typical burndown applications applied in the spring. Apply 3.25 oz/A Zidua or 1.33 pints per acre of Dual Magnum or equivalent in the fall prior to weed emergence. Valor is effective for broadleaves such as henbit, but not for ryegrass. All crops on the Dual label can be planted the following spring. POST applications of paraquat tank-mixed with a photosystem II inhibitor (metribuzin, diuron or atrazine) have also been effective for ryegrass. Select or Select MAX has also been effective at controlling smaller ryegrass; however, it has failed as a late spring salvage in University trials.

<sup>11</sup> ALS-resistant populations of horseweed, mayweed, weedy rice and ryegrass have been documented.