

EXPECTED WEED AND COVER CROP RESPONSE TO BURNDOWN HERBICIDES* – 2005

These are ratings for burndown materials alone, and also for some of the more widely used combinations in cotton, corn or soybeans. See appropriate crop section in the 2005 Weed Control Manual for Tennessee (PB 1580) for the specific labeled and recommended burndown and residual herbicides.

| | Glyphosate* | Ignite* | Gramoxone Max* | 2,4-D | Clarity | Glyphosate + 2,4-D | Glyphosate + Clarity | Ignite + 2,4-D | Ignite + Clarity | Gramoxone Max + 2,4-D | Gramoxone Max + Clarity | Ignite + diuron** | Ignite + Caparol** | Gramoxone Max + diuron** | Gramoxone Max + Caparol** | Gramoxone Max + Cotoran** | Gramoxone Max + Sencor** | Gramoxone Max + atrazine** | Glyphosate + atrazine** | |
|---|-------------|----------------|----------------|-------|---------|--------------------|----------------------|----------------|------------------|-----------------------|-------------------------|-------------------|--------------------|--------------------------|---------------------------|---------------------------|--------------------------|----------------------------|-------------------------|---|
| 1. Horseweed (mare's-tail) ^a | 2 | 8 ^b | 5 ^a | 6 | 8 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 8 ^a | 8 ^a | 7 ^a | 8 ^a | 9 | 9 | |
| 2. Deadnettle/Henbit | 5 | 7 | 7 | 4 | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | |
| 3. Chickweed | 5 | 9 | 9 | 7 | 9 | 7 | 8 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 4. Carolina Geranium | 1 | 8 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 5. Cutleaf Eveningprimrose | 4 | 7 | 5 | 7 | 8 | 8 | 8 | 8 | 9 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | |
| 6. Curly dock | 4 | 7 | 5 | 2 | 7 | 7 | 8 | 8 | 9 | 6 | 8 | 8 | 8 | 5 | 5 | 5 | 8 | 9 | 9 | |
| 7. Dandelion | 3 | 6 | 2 | 8 | 8 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| 8. Common lambsquarters | 8 | 6 | 6 | 6 | 8 | 9 | 9 | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | |
| 9. Annual bluegrass | 5 | 3 | 7 | 0 | 0 | 5 | 5 | 3 | 3 | 7 | 7 | 5 | 5 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 10. Ryegrass*** | 7 | 3 | 6 | 0 | 0 | 5 | 5 | 3 | 3 | 6 | 6 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 8 | |
| 11. Vetch | 5 | 8 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 9 | 9 | 7 | 7 | 7 | 8 | 9 | 9 | |
| 12. Smartweed | 7 | 7 | 2 | 6 | 8 | 9 | 9 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | |
| 13. Wheat | 9 | 5 | 5 | 0 | 1 | 9 | 9 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 7 | 5 | 8 | 9 | |
| Plant back restrictions | | | | | | | | | | | | | | | | | | | | |
| 14. Corn | 0 | 0 | 0 | 7 | 0 | 7 | 0 | 7 | 0 | 7 | 0 | NR ^c | NR | NR | NR | NR | NR | NR | 0 | 0 |
| 15. Cotton | 0 | 0 | 0 | 30 | 21 | 30 | 21 | 30 | 21 | 30 | 21 | 0 | 0 | 0 | 0 | 0 | NR | NR | NR | |
| 16. Soybean | 0 | 0 | 0 | 30 | 21 | 30 | 21 | 30 | 21 | 30 | 21 | NR | NR | NR | NR | NR | 0 | NR | NR | |

* Rates are the following: Glyphosate - 32 ozs./A of a 3 lb. ae/gal. formulation; Gramoxone Max - 32 ozs./A (Gramoxone Max is a restricted use herbicide); Ignite - 32 ozs./A.

** Ratings reflect burndown only, not residual control.

*** Two applications, or higher rates of glyphosate, are required for optimum control.

^a Glyphosate-resistant, smaller plants (< 2 inches) are more consistently controlled.

^b Poor performance is possible with this product if day time temperatures are less than 60F.

^c Not registered for use in this crop.

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