**Table 2.6-7. Relative effectiveness of grass pasture, hay, and CREP grassland herbicides.**

Table compares the relative effectiveness of herbicides on individual weeds. Ratings are based on labeled application rates and weed size or growth stage. Results may differ with variations in weed size, temperature, rainfall, soil moisture, soil type, and soil pH. Spike 20P also is available for control of problem woody perennials as well as some herbaceous perennials. See a Spike label for additional information.

**Weed control rating**

10 = 95–100%
9 = 85–95%
8 = 75–85%
7 = 65–75%
6 = 55–65%
N = Less than 55% or no control
? = unknown; consult the label for use rates and precautions

| *Species* | *Roundup/ glyphosate 1–2 qt* | *Crossbow 2–4 qt* | *Cimarron Plus (0.125–0.63 oz/A) or Met-sulfuron 60DF (0.1–0.3oz/A)* | *2,4-D[1] 2–3 pt* | *Clarity/Banvel[1] 1 pt* | *ForeFront 1.5–2.6 pt* | *Milestone 3–7 fl oz* | *Overdrive/ Distinct 4–6 oz* | *2,4-D + Clarity/Banvel[1] 1 pt + 1 pt* | *Stinger 0.66–1.33 pt* |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Winter Annuals*** | | | | | | | | | | |
| Chamomile, mayweed | **9** | 8 | **10** | 7 | **8+** | 7+ | 6+ | **8+** | **10** | **9** |
| Chickweed, common | **10** | **9** | **10** | 7 | 7 | **9** | **9** | 8 | 8 | 6 |
| Cockle, corn | **10** | **8+** | ? | 8 | **10** | ? | ? | **10** | **10** | N |
| Cockle, cow | **10** | **8+** | **9+** | 8 | **10** | ? | ? | **10** | **10** | N |
| Fleabane spp. | **8+** | **9+** | **9** | **9** | 8 | 8 | 8 | 8 | **10** | **9** |
| Horseweed (marestail) | **9+** | **10** | **9** | **9** | **9** | **9** | **9** | **9** | **9** | **9+** |
| Mustard, garlic | 8 | 8 | 8 | N | 7 | ? | ? | 7 | 8 | N |
| Mustard spp. | **10** | **10** | **10** | **9** | 8 | 7+ | N | 8 | **10** | N |
| Pennycress, field | **10** | **9+** | **9** | **9** | 8 | 8 | N | **8+** | **10** | N |
| Pepper weed spp. | **10** | **9+** | **10** | **9** | 8 | 8 | N | **8+** | **10** | N |
| Shepherdspurse | **10** | **9** | **10** | **8+** | 8 | 8 | N | 8 | **10** | N |
| Yellow rocket | **9** | **10** | **10** | **9** | **9** | 8 | N | **9** | **10** | 6 |
| ***Summer Annuals*** | | | | | | | | | | |
| Cocklebur, common | **9** | **10** | **10** | **9** | **10** | **9** | **9** | **10** | **10** | **9** |
| Groundsel, common | **9** | 8 | **9+** | 7 | 6 | 7 | ? | 7 | 7 | **9** |
| Jimsonweed | **9** | **9** | **10** | 8 | **10** | **9** | 8 | **10** | **10** | 8 |
| Lambsquarters, common | **9** | **10** | **10** | **10** | **10** | **9** | **9** | **10** | **10** | 6 |
| Lettuce, wild | **9** | **9** | **10** | **9+** | **8+** | **9** | **9** | **8+** | **10** | **9** |
| Nightshade, black | **9** | **8+** | 8 | 7+ | **8+** | 7 | ? | **8+** | **8+** | 8 |
| Pigweed spp. | **9** | **9** | **10** | **9** | **9** | 8 | 8 | **9** | **10** | 6 |
| Ragweed, common | **10** | **10** | 7 | **9** | **9** | **9** | **9** | **9** | **10** | **9+** |
| Ragweed, giant | **10** | **10** | 8 | **8+** | **9** | **9** | **9** | **9** | **10** | **9+** |
| Velvetleaf | **9** | **9** | **9** | **8+** | **10** | 8 | ? | **10** | **10** | 6 |
| ***Biennials*** | | | | | | | | | | |
| Burdock, common | **9** | **9** | 7 | **9** | 8 | 8 | 7+ | 8 | **10** | **9** |
| Carrot, wild | **9** | **9+** | **10** | **9** | 8 | 8 | 7 | **8+** | **10** | 6 |
| Evening primrose, common | **10** | **9+** | ? | **9** | 8 | **9** | **9** | **8+** | **10** | ? |
| Hemlock, poison | **9** | **9** | N | 7+ | 8 | ? | ? | 8 | **9** | N |
| Parsnip, wild | **9** | **10** | **9** | **9** | **9** | ? | ? | **9** | **10** | N |
| Teasel | **9** | **8+** | 8 | 7+ | **9** | **8+** | **8+** | **9** | **10** | **9** |
| Thistle, bull | **9** | **9+** | 8 | **9+** | **9** | **9** | **9** | **9** | **10** | **9+** |
| Thistle, musk | **9** | **9+** | **9** | **8+** | **9** | **9** | **9** | **9** | **10** | **9+** |
| Thistle, plumeless | **9** | **9+** | 8 | **8+** | **9** | **9** | **9** | **9** | **10** | **9+** |
| ***Herbaceous Perennials*** | | | | | | | | | | |
| Aster spp. | **9** | **9** | 7 | **9** | **8+** | 7 | ? | **8+** | **10** | **9+** |
| Bedstraw spp. | **9** | **9+** | N | 7 | N | **9** | **9** | N | 7 | 7 |
| Bindweed, field | 8 | 8 | N | 8 | **8+** | 7 | ? | **8+** | **8+** | N |
| Bindweed, hedge | 8 | **9** | N | **9** | **9** | 8 | ? | **9** | **10** | N |

*(continued)*

**Table 2.6-7. Relative effectiveness of grass pasture, hay, and CREP grassland herbicides (continued).**

| *Species* | *Roundup/ glyphosate 1–2 qt* | *Crossbow 2–4 qt* | *Cimarron Plus (0.125–0.63 oz/A) or Met-sulfuron 60DF (0.1–0.3oz/A)* | *2,4-D[1] 2–3 pt* | *Clarity/Banvel[1] 1 pt* | *ForeFront 1.5–2.6 pt* | *Milestone 3–7 fl oz* | *Overdrive/ Distinct 4–6 oz* | *2,4-D + Clarity/Banvel[1] 1 pt + 1 pt* | *Stinger 0.66–1.33 pt* |
|---|---|---|---|---|---|---|---|---|---|---|
| Brackenfern | 6 | 7+ | ? | 7 | N | 7 | ? | N | 7 | ? |
| Buttercup spp. | **9** | **10** | **10** | **8+** | 8 | **9** | 8 | **8+** | **9** | ? |
| Chickweed, mouseear | **9** | **8+** | **10** | 7 | 7+ | 7 | ? | 7+ | 8 | 6 |
| Chicory | **9** | **9** | **10** | **9** | 8 | **9** | **9** | 8 | **10** | **9** |
| Clover spp. | **10** | **8+** | **10** | 7 | **8+** | **9** | **9** | **8+** | **8+** | **9** |
| Cockle, white | **9+** | **9** | ? | 7 | **8+** | N | N | **8+** | **9** | **9** |
| Daisy spp. | **8+** | **9+** | 6 | **9** | **8+** | **9** | 8 | **8+** | **10** | **8+** |
| Dandelion | 7 | **9+** | 7+ | **9+** | 7 | **9** | 8 | **9** | **10** | 7 |
| Dock spp. | **9** | **9** | **9** | 8 | 8 | **9** | 8 | **8+** | **10** | 7+ |
| Dogbane, hemp | 8 | 7 | 8 | 7 | 8 | 6 | N | 8 | **8+** | 6 |
| Garlic or onion, wild | **9** | 8 | **9+** | 8 | 7 | 6 | N | 7 | **8+** | N |
| Goldenrod spp. | **9** | 8 | N | **9** | 7+ | 8 | 6 | 7+ | **9** | 6 |
| Groundcherry spp. | 8 | 8 | ? | 7 | 7 | 7 | ? | 8 | 7+ | N |
| Hawkweed spp. | **9** | **9** | 7 | 8 | 7+ | 8 | 8 | 7+ | **9** | 8 |
| Hemlock, spottedwater | **9** | **9** | N | 7+ | 8 | 7 | ? | 8 | **9** | N |
| Horsenettle | 8 | **8+** | **9+** | 7 | 8 | **9** | **9** | 8 | **9** | N |
| Ironweed | **9** | **9** | N | 8 | **8+** | **9** | **9** | **8+** | **9** | 6 |
| Knapweed, spotted | **9** | **8+** | ? | 8 | 8 | **9** | **9** | 8 | **9** | **9** |
| Knotweed, Japanese | 8 | 7 | ? | 7 | 7+ | 7 | ? | 7+ | 7+ | 8 |
| Milkweed, common | 7+ | 7+ | N | 7 | 8 | 6 | N | 8 | **8+** | N |
| Mugwort | 7 | 8 | 7 | 6 | 7 | 6 | ? | 7 | 7 | **8+** |
| Nettle, stinging | **9** | **9** | N | 8 | 8 | 8 | ? | 8 | **9** | 7 |
| Nightshade, bitter | **9** | ? | ? | 7 | 7 | 7 | ? | 7 | **8+** | 8 |
| Plantain spp. | **9** | **9** | **9** | **9** | 8 | 7+ | N | **8+** | **10** | N |
| Pokeweed, common | 8 | **9** | ? | 7 | 7 | 8 | 8 | 8 | 7 | N |
| Snakeroot, white | 8 | **9** | N | 8 | **9** | 8 | ? | **9** | **9** | N |
| Sorrel, red | **9** | ? | **10** | 6 | **8+** | ? | ? | **8+** | **10** | 8 |
| Sowthistle, perennial | **9** | 8 | N | 7 | 8 | **9** | **9** | 8 | **9** | 8 |
| Star-of-Bethlehem | 8 | ? | ? | N | N | ? | ? | N | N | ? |
| Thistle, Canada | 8 | 8 | **8+** | 8 | 8 | **9** | **9** | **8+** | **8+** | **9+** |
| Toadflax, yellow | 8 | ? | ? | 7 | 7+ | 7 | ? | 7+ | 8 | N |
| Wingstem | ? | ? | ? | ? | ? | **9** | **9** | ? | ? | ? |
| Woodsorrel, yellow | **9** | 8 | **10** | 7 | 7 | **8+** | 8 | 7 | 7+ | 8 |
| Yarrow, common | **9** | **8+** | 8 | 7 | **9** | 7 | ? | **9** | **9** | 7 |
| ***Woody Perennials[1]*** | | | | | | | | | | |
| Blackberry spp. | 8 | 8 | **9** | 7 | 6 | N | N | 6 | 7+ | 7 |
| Dewberry spp. | 7 | 8 | **9** | 7 | 6 | N | N | 6 | 7+ | 7 |
| Grape, wild | 8 | **9** | 8 | 8 | 8 | 8 | ? | 8 | **9** | N |
| Honeysuckle spp. | 8 | **8+** | **10** | 7 | N | 7 | ? | N | 7+ | N |
| Locust, black | 8 | 8 | 7 | 7 | 8 | 7 | ? | 8 | **8+** | N |
| Olive, autumn | 8 | 8 | ? | 7 | 7+ | 7 | ? | 7+ | 8 | N |
| Poison-ivy, oak | 8 | **8+** | 6 | 7 | 7+ | 7 | ? | 7+ | **8+** | N |
| Rose, multiflora | 8 | **8+** | **8+** | 6 | 6 | 7+ | 7+ | 6 | 7+ | N |
| Sumac spp. | 8 | **8+** | N | 7 | 7+ | 7 | ? | 7+ | 7+ | 7 |
| Trumpet-creeper | 7+ | 8 | N | 7 | 7 | 7 | ? | 7 | 7+ | N |
| Virginia-creeper | 8 | **8+** | 7 | 7 | 8 | 7 | ? | 8 | **9** | N |

1. Higher rates may be more effective on some species.