

**Non-Cropland  
Guide to Woody Plant Response to Herbicides\***

| HERBICIDES       | Ash | Birch | Blackberry | Buckbrush | Cedar | Dogwood | Elm | Greenbrier | Hawthorn | Hickory | Honey Locust | Honeysuckle | Kudzu | Maple | Mulberry | Multiflora Rose | Oaks | Osage Orange | Persimmon | Pines | Poison Ivy | Poplar | Sassafras | Sumac | Sweetgum | Sycamore | Trumpet Creeper | Willow | Grazing land | Forestry | Noncropland | Ditch Banks |   |   |
|------------------|-----|-------|------------|-----------|-------|---------|-----|------------|----------|---------|--------------|-------------|-------|-------|----------|-----------------|------|--------------|-----------|-------|------------|--------|-----------|-------|----------|----------|-----------------|--------|--------------|----------|-------------|-------------|---|---|
| 2,4-D amine (FS) | P   | F     | P          | G         | P     | P       | F   | P          | F        | F       | P            | P           | P     | P     | P        | F               | P    | P            | P         | P     | F          | P      | F         | P     | F        | P        | P               |        | L            | L        | L           | L           |   |   |
| 2,4-D amine (CS) | P   | F     | P          | P         | P     | F       | G   | P          | F        | F       | F            | P           | P     | P     | F        | P               | F    | F            | F         | F     | F          | G      | G         | F     | F        | F        | F               | G      |              | L        | L           | L           | L |   |
| 2,4-D ester (FS) | P   | -     | P          | G         | P     | P       | P   | P          | -        | P       | P            | P           | P     | P     | P        | P               | P    | P            | P         | P     | -          | P      | F         | P     | -        | P        | P               |        | L            | L        | L           | L           |   |   |
| Arsenal (FS)     | G   | P     | P          | P         | P     | G       | P   | G          | G        | G       | G            | G           | G     | G     | G        | G               | G    | P            | F         | P     | G          | F      | G         | G     | G        | F        | G               | G      |              | N        | N           | L           | L |   |
| Barvel (FS)      | P   | -     | F          | F         | F     | F       | F   | P          | F        | P       | P            | F           | G     | P     | N        | F               | F    | P            | G         | G     | F          | -      | F         | F     | F        | -        | F               | F      |              | L        | N           | L           | L |   |
| Crossbow (FS)    | F   | F     | G          | F         | P     | P       | F   | P          | F        | F       | F            | P           | P     | F     | P        | F               | F    | F            | F         | F     | F          | F      | F         | G     | F        | F        | P               | F      |              | L        | N           | L           | L |   |
| Escort (FS)      | F   | P     | F          | G         | P     | F       | F   | P          | P        | P       | G            | G           | E     | F     | P        | F               | F    | P            | P         | P     | P          | P      | P         | P     | P        | P        | P               |        | N            | N        | L           | N           |   |   |
| Garlon 3A (FS)   | F   | F     | G          | P         | P     | F       | F   | P          | F        | F       | F            | P           | P     | F     | F        | F               | G    | P            | F         | G     | F          | F      | F         | G     | G        | F        | P               | F      |              | N        | L           | L           | L |   |
| Garlon 3A (CS)   | F   | F     | P          | P         | F     | F       | F   | P          | F        | F       | F            | P           | P     | G     | F        | F               | G    | F            | F         | F     | G          | F      | F         | G     | G        | F        | P               | F      |              | N        | L           | L           | L |   |
| Garlon 4 (FS)    | F   | F     | G          | P         | P     | F       | F   | P          | F        | F       | F            | P           | P     | F     | F        | F               | G    | P            | F         | G     | F          | F      | F         | G     | G        | F        | P               | F      |              | N        | L           | L           | N |   |
| Garlon 4 (BS)    | F   | F     | G          | P         | F     | G       | F   | P          | F        | G       | F            | P           | P     | G     | F        | F               | G    | P            | F         | G     | P          | F      | F         | G     | G        | F        | P               | F      |              | N        | L           | L           | L |   |
| Glyphosate (FS)  | F   | F     | F          | F         | P     | P       | F   | P          | F        | P       | P            | F           | F     | P     | P        | F               | G    | P            | F         | P     | F          | F      | P         | F     | F        | P        | F               | F      |              | L        | L           | L           | L |   |
| Glyphosate (CS)  | F   | F     | F          | P         | F     | F       | F   | P          | F        | F       | F            | F           | P     | F     | F        | P               | G    | F            | F         | G     | G          | F      | F         | F     | G        | G        | P               | F      |              | L        | L           | L           | L |   |
| Hyvar X-L (FS)   | F   | F     | F          | F         | F     | F       | F   | P          | F        | F       | F            | F           | P     | F     | F        | F               | F    | F            | P         | F     | F          | F      | P         | F     | F        | F        | P               | F      |              | N        | N           | L           | L |   |
| Hyvar X-L (ST)   | F   | F     | F          | F         | F     | F       | F   | P          | F        | F       | F            | P           | P     | F     | F        | F               | F    | F            | P         | F     | F          | F      | P         | F     | F        | F        | P               | F      |              | N        | N           | L           | L |   |
| Krenite (FS)     | F   | F     | F          | F         | P     | F       | F   | P          | P        | P       | F            | F           | G     | F     | F        | F               | F    | F            | F         | G     | P          | F      | P         | F     | F        | F        | F               | F      |              | N        | L           | L           | L |   |
| Pathway          | F   | F     | P          | P         | F     | F       | F   | P          | F        | F       | F            | F           | P     | F     | P        | P               | F    | P            | F         | G     | P          | P      | P         | P     | F        | P        | P               | P      |              | N        | L           | L           | N |   |
| Spike (ST)       | F   | F     | F          | F         | P     | G       | G   | F          | P        | F       | G            | G           | P     | F     | F        | G               | G    | P            | P         | F     | P          | F      | P         | G     | F        | F        | F               | F      |              | L        | N           | L           | L |   |
| Transline (FS)   |     |       |            |           |       |         |     |            |          |         | G            |             | G     |       |          |                 |      |              |           |       |            |        |           |       |          |          |                 |        |              |          | N           | N           | L | N |
| Velpar (ST)      | F   | F     | F          | F         | F     | F       | F   | P          | P        | P       | G            | P           | P     | F     | F        | G               | G    | F            | P         | P     | F          | F      | P         | F     | F        | F        | P               | F      |              | L**      | L           | L           | L |   |

Weed Control: G = Good F = Fair \*\*\* P = Poor - = No data available  
 FS = Foliar Spray BS = Basal Spray CS = Cut Surface ST = Soil Treatment L = Labeled N = Not labeled

\* Repeated herbicide applications over several years may be necessary for complete control of woody plants.

\*\* Basal soil or cut-surface applications only.

\*\*\* Fair = Partial control or defoliation.

Use this table as a guide for comparing the relative effectiveness of herbicides on individual weeds. Herbicides may perform better or worse than indicated due to extreme weather conditions and other variables. If you are obtaining satisfactory results under your growing conditions, changing products as a result of information in this table is not necessarily recommended.