

Common Herbicides Cheat Sheet

The following lists examples of specific herbicide product names sorted by active ingredient. This is not a comprehensive list and does not constitute the endorsement of any particular product. This is only intended to assist those searching for herbicide products for use in invasive plant control activities. Always follow the label instructions of any herbicide product you use, including instructions on mixing and applying the product.

Many herbicide products and application equipment can be purchased at local hardware and farm stores. If you are having problems finding a specific product try a farm coop or online retailer such as forestry-suppliers.com.

Surfactants

These products don't have active herbicide ingredients themselves, but instead help your product work better in foliar applications. Surfactants primarily help break the surface tension of water, helping to coat plant leaves and provide more herbicide contact and uptake. Other generic Nonionic Surfactants or "stickers" may be available, as well as other adjuvant products with additional properties. Always check the product label of whatever herbicide you are using to see if it has any restrictions or recommendations on adding surfactants (some require it, others may allow one type of surfactant but not another). Common rates are 0.25-0.5% surfactant by volume of total mix, but refer to the product label for specific recommendations.

- Drexel MES-100 (Methylated Seed Oil)
- Drexel Hum-AC 820 (non-ionic surfactant)
- Cide-Kick II (non-ionic spray adjuvant, acts as a wetting agent, sticker, activator, and penetrant)
- RRSI NIS (non-ionic surfactant)

Non-Selective or Mostly Non-Selective

Glyphosate – Nonselective, cheap, easy to find, no residual activity in soil, comes in regular & aquatic-safe formulations. Need to pay attention to % active ingredient on label, look for the standard 41% glyphosate, or adjust mixing rates accordingly.

- Roundup
- Drexel Imitator Plus
- Razor Pro
- Ranger Pro
- GlyStar Plus
- [Rodeo – Aquatic formula](#)
- [AquaNeat – Aquatic formula](#)

Imazapyr – Nonselective, more expensive, has soil residual activity, can damage nearby sensitive tree species.

- Arsenal
- Chopper Generation II
- Stalker
- Polaris
- [Habitat – Aquatic Formula](#)

Imazapic – Mostly non-selective, can apply as pre or post emergent treatment, residual activity in soil.

- Plauteau
- Panoramic 2SL

Imazamox – Mostly non-selective, has residual activity in soil

- Raptor
- [Clearcast – Aquatic Formula](#)

Sulfometuron – Non-selective, may have some residual soil activity

- Oust XP
- Spyder

Broadleaf Specific

Triclopyr – Broadleaf specific (doesn't kill grasses), very good on woody invasive control, no residual activity in soil. Need to pay attention to if the formula is Amine (water based) or Ester (Oil Based), this can affect the application recommendations and also the mixing requirements. Only Amine formulations can be used around water. Only ester formulations can be used for basal bark treatments, but must be mixed in an oil carrier for cut-stump & basal, and can volatilize on hot days.

- Pathfinder II RTU – Ester, Ready to use formula for cut-stump & Basal Bark
- Remedy Ultra – Ester, non-petroleum
- Garlon 4 – Ester
- Element 4 – Ester
- Triclopyr 4 – Ester
- Brushtox (Brush Killer) – Ester
- Garlon 3A – Amine, Aquatic safe
- Element 3A – Amine, Aquatic safe
- Renovate 3 – Amine, Aquatic safe
- Vastlan – Choline Salt, Aquatic safe

Triclopyr + Fluroxypyr – Broadleaf specific, an ester formulation that can be applied as a foliar, cut-stump, or basal bark application. Often recommended for control of *Sericea Lespedeza*.

- Pasturegard HL
- Cleargraze

2,4-D & Triclopyr – Broadleaf specific, may have some residual activity over straight triclopyr.

- Crossbow
- Crossroads

2,4-D & Picloram – Only sold unrestricted as ready-to-use formula for cut-stump or tree injections. Very effective on woody plants, however can move through tree roots into soil and damage other nearby sensitive tree species, particularly if over-applied.

- Pathway Herbicide RTU
- Tordon RTU

Clopyralid – Somewhat similar to Aminopyralid, broadleaf specific, has been around longer so more product options.

- Transline
- Stinger
- Clopyralid 3

Other Specificity (including grass specific products)

Aminopyralid – Somewhat similar to Clopyralid, but a newer product. Partially selective, effective on annual grasses (stiltgrass) and many broadleaves (particularly legumes) but not perennial grasses. Residual activity in soil. Expensive but only use small amounts of product in your mix.

- Milestone

Sethoxydim – Selective to grasses, but doesn't harm sedges, little to no soil residual activity

- Poast
- Southern Ag Vantage

Clethodim – Selective to grasses & sedges, little to no soil residual activity

- Agri Star Clethodim 2E
- Intensity