Postemergence Broadleaf Weed Control

- Selective: Few Options
  - Lontrel, Basagran, Goal, Image, Asulox

- Non-Selective:
  - Roundup-Pro, Finale, Scythe, Reward
# Postemergence Herbicides

## Suggested Use - Sites

<table>
<thead>
<tr>
<th>Herbicide</th>
<th>Tree &amp; Shrub beds</th>
<th>Ground-covers</th>
<th>Annual Flowers</th>
<th>Perennials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casoron</td>
<td>✔️</td>
<td>Few</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Diquat</td>
<td>directed</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Finale</td>
<td>directed</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Roundup</td>
<td>directed</td>
<td>Wiper</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Scythe</td>
<td>directed</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Goal /Basagran/ Lontrel</td>
<td>directed</td>
<td>Few</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Fusilade, Vantage, Envoy</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>
Selective Postemergence Broadleaf Weed Control

- Limited product selection
- Effective only on seedling weeds
- Limited weed spectrum controlled
- Generally not particularly useful in landscapes
- Exceptions: Casoron & Lontrel
Lontrel (clopyralid)

- Postemergence control of Legumes, certain Asters and a few other species
- Labeled for use in Christmas trees, and field-planted woody ornamentals
Lontrel (clopyralid)

- Key weeds controlled: Legumes and asters incl. clovers, vetch, black medic, thistles, goldenrod, nightshades, groundsel, galinsoga
- Suppression: smartweed
- Not controlled: evening primrose, plantain,
Lontrel controls legumes and asters
Percent Mugwort Control in Field Nursery Stock Evaluated the Following June

- Lontrel
- Roundup

- May
- August
- May + August

Control percentages shown in the graph.
Lontrel -- Do not use on or near:

- Legumes (Fabaceae): redbud, locust, mimosa
- Asters / composites (Asteraceae): sunflower, daisies, artemesia, liatris
- linden (*Tilia* sp.). Some damage has been observed on crepe myrtle
Avoid Lontrel applications near Asters & Legumes

locust

Red bud

daisy

mimosa

liastris
Casoron (diclobenil)

- Other trade names: Dyclomec, Barrier
- Positional selectivity (basically non-selective)
- Application rate: 2.3 to 3.4 lb / 1000 ft$^2$
Casoron controls perennial weeds but can kill many ornamentals
Pre/Post Weed Control With Casoron

- Safe on certain established trees & shrubs
- Controls many perennial, hard-to-kill weeds
- Significant potential to injure non-labeled species - including hemlock, fir, & spruce
- Apply in late fall or early winter
- Residual lasts until early summer
Casoron (diclobenil) cont.

- **Weeds controlled:** dandelion, red sorrel, clover, mugwort, Equisetum, winter annuals, and most cool season perennials
- **Weeds suppressed:** bindweed, nutsedge, quackgrass, and other rhizomatous perennials
- **Weeds not controlled:** most woody weeds such as black locust sprouts, mulberry, catbriar, brambles and late germinating summer annuals
- **Apply in late fall or early winter *******
Triclopyrs – Brush-B-Gon, Poison Ivy / Oak Killer, etc

- Active ingredient: triclopyr (same as Garlon 3A)
- Woody weed control
- Synthetic auxin (labeled for broadleaf weed control in turf)
- Caution around ornamentals
Triclopyr works better on woody weeds than Roundup

Green briar

Honeysuckle

Poison ivy

Brambles
Triclopyr, cont.

- Foliar spray in spring better than fall – BUT
- Works most times of the year
- Also labeled for cut-stump applications
triclopyr

- Treat freshly cut stumps

- Also can be used as a basal bark spray (usually in oil)