Advanced Grazing School:
Weed Control in Broadleaf Forage Crops

**Weed Control in Broadleaf Forage Crops**

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**Grassy Weed Control in Clover**

Pre-plant incorporated (PPI):
- EPTC (Eptam) @ 3.5 pts/a
- Benefin (Balan) @ 2.0 lbs/a

Post-emergence (POS)
- Pronamide (Kerb) @ 1-1.5 lbs/a
- Sethoxydim (Poast, Poast Plus, etc.) @ 0.19-0.3 lbs a.i./a
- Clethodim (Select, Select Max, etc.) @ 0.031-0.047 lbs a.i./a

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Post-emergence (POS)
- Pronamide (Kerb) @ 1-1.5 lbs/a
- Imazethapyr (Pursuit) at 3.0-6.0 oz./acre
- Imazamox (Raptor) @ 5 oz/a
- Only for labeled for seed production

**Broadleaf Weed Control in Clover with Grass**

Limited options for selectively removing broadleaf weeds from mixed stands while not removing the clovers or damaging the grass.
- One option if weeds are in seedling stage:
  > 2,4-D Amine up to 2.0 pts/acre (1 lb a.i./acre) can kill many seedling broadleaf weeds without killing the clover. Anything higher risks killing the clover.
- Pursuit (Imazethapyr) at 3.0-6.0 oz./acre, but:
  > Will result in significant injury to grass.

**Grassy Weed Control in Alfalfa**

Pre-plant incorporated (PPI):
- EPTC (Eptam) @ 3.5 pts/a
- Benefin (Balan) @ 2.0 lbs/a
- Trifluralin (Treflan) @ 0.5 lbs a.i./a

Pre-emergence (PRE):
- Pendimethalin (Prowl H2O) @ 1.1 – 2.1 pts/a
- Flumioxazin (Chateau) @ 4.0 oz./a
- Norflurazon (Silarcam) @ 1.25-2.5 lbs/a

**Benefits of Adding Legumes**

A valuable source of N (time-released).

<table>
<thead>
<tr>
<th>Species</th>
<th>Annual lbs (N/acre)</th>
<th>N value at $0.75/lb. of N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>200-300</td>
<td>$150-225</td>
</tr>
<tr>
<td>Red clover</td>
<td>100-200</td>
<td>$75-150</td>
</tr>
<tr>
<td>White clover</td>
<td>100-150</td>
<td>$75-113</td>
</tr>
<tr>
<td>Annual clover</td>
<td>50-150</td>
<td>$38-113</td>
</tr>
</tbody>
</table>

White clover can be re-established via frost seeding for less than $35/acre!

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UGA Extension
Grassy Weed Control in Alfalfa

Post-emergence (POS)
- Pronamide (Kerb) @ 1-1.5 lbs/a
- Sethoxydim (Poast, Poast Plus, etc.) @ 0.19-0.3 lbs a.i./a
- Clethodim (Select, Select Max, etc.) @ 0.031-0.047 lbs a.i./a

Between Cuttings
- Paraquat (Gramoxone, Firestorm, etc.) @ 0.25 lbs a.i./a

Established, Dormant
- Metribuzin (Sencor, Metribuzin, etc.) @ 0.375 lbs a.i./a
- Hexazinone (Velpar, etc.) @ 0.5-0.75 lbs a.i./a

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Broadleaf Weed Control in Alfalfa

Post-emergence (POS)
- 2,4-DB (Butyrac 200, etc.) @ 1-1.5 lbs/a
- Bromoxynil (Buctril) @ 0.375 lbs a.i./a
- Imazethapyr (Pursuit, etc.) @ 0.047-0.094 lbs a.i./a
- Pronamide (Kerb) @ 1-1.5 lbs/a
- Imazamox (Raptor) @ 5 oz/a

Between Cuttings
- Paraquat (Gramoxone, Firestorm, etc.) @ 0.25 lbs a.i./a

Established, Dormant
- Metribuzin (Sencor, Metribuzin, etc.) @ 0.375 lbs a.i./a
- Hexazinone (Velpar, etc.) @ 0.5-0.75 lbs a.i./a

(continues)

Roundup Ready Alfalfa

Non-selective control of both grasses and broadleaf weeds.

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Broadleaf Weed Control in Alfalfa with Grass

- Some pre-emergent herbicides can be helpful.
  - Prowl H2O (pendimethalin) @ 1.1 – 4.2 qts/a
- No great options for selectively removing broadleaf weeds from mixed stands while not damaging the grass or the alfalfa.
  - Pursuit (imazethapyr) @ 3.0-6.0 oz./a, but:
    - Will result in significant injury to grass.
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**Grassy Weed Control in Brassicas**
- **Pre-plant incorporated (PPI):**
  - Trifluralin (Treflan) @ 0.5 lbs a.i./a
- **Post-emergence (POS):**
  - Sethoxydim (Post ONLY) @ 0.19 lbs a.i./a
  - Clethodim (Select, Select Max, etc.) @ 0.06-0.09 lbs a.i./a

**Broadleaf Weed Control in Brassicas**
- **Pre-plant incorporated (PPI):**
  - Trifluralin (Treflan) @ 0.5 lbs a.i./a
- **Post-emergence (POS):**
  - No options

- Most winter annual broadleaf weeds are not problematic in brassica plantings.
  - What may be present will likely be consumed by the animals.

**Questions?**
www.georgiaforages.com
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