GOT BERMUDAGRASS?

Why Interseed Alfalfa into Bermudagrass?

- *Grow your own nitrogen!*
- *Increase the quality of your forage by 30 or more RFQ points!*
- *Makes excellent supplemental feed and/or cash hay crop!*
- *Growing with Bermudagrass allows alfalfa to dry faster and be harvested clean!*
- *If nothing else, you still have Bermudagrass!*
Feed and Forage Analysis Reports Show That Alfalfa Can Improve Bermudagrass Pasture

<table>
<thead>
<tr>
<th>Hay Crop</th>
<th>Relative Forage Quality (RFQ)</th>
<th>Crude Protein**</th>
<th>Total Digestible Nutrients**</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Cut Bermudagrass + Alfagraze 600 RR Alfalfa*</td>
<td>189.9</td>
<td>20.5%</td>
<td>67.2%</td>
</tr>
<tr>
<td>2nd Cut Bermudagrass + Alfagraze 600 RR Alfalfa*</td>
<td>240.2</td>
<td>25.1%</td>
<td>68.4%</td>
</tr>
<tr>
<td>1st Cut Fescue + Orchardgrass (from neighboring field)</td>
<td>86.6</td>
<td>15.9%</td>
<td>51.4%</td>
</tr>
</tbody>
</table>

*Planted March 31, 2014; Franklin County near Canon, Georgia. Total Hay Yield June-September, 2014: 12.6 Tons (5 acres) = 2.52 tons/acre
**Measured by Near Infrared Reflectance (NIR) Analysis – reported on Dry Matter Basis UGA Feed and Environmental Water Laboratory – Athens, GA

**Hay Yields (Tons/Acre/Year) In Performance Trials**

<table>
<thead>
<tr>
<th>State</th>
<th>Alfagraze 600 RR</th>
<th>Best FD 5-6 Variety (Non RR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>6.7</td>
<td>6.7</td>
</tr>
<tr>
<td>Idaho</td>
<td>6.1</td>
<td>5.7</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Mississippi</td>
<td>2.4</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Average</strong></td>
<td><strong>4.8</strong></td>
<td><strong>4.7</strong></td>
</tr>
</tbody>
</table>
Steps to Interseeding Genuity® Roundup Ready® Alfalfa into Bermudagrass

1. Select a well-drained site for planting.
2. No Grazon herbicide should have been used in the past 12 months.
3. Soil test the site. Adequate levels are:
   - \( \text{pH} \) of 6.5-6.8
   - phosphorus \((P)\) @ 100 lbs/acre
   - potassium \((K)\) @ 250-300 lbs/acre
4. Have dormant Bermudagrass very short (1-2 in).
   - Spray with Glyphosate (Roundup WeatherMax) at 9 oz/acre of 5.5 lb. ai.
     - This will control any annual winter grasses and broadleaf weed that may germinate early.
     - A higher rate of 16-22 oz/acre can be used if the Bermudagrass is completely dormant.
     - It is ok to burn off with fire after the chemical burn down.
5. Seed alfalfa at a rate of 25 lbs/acre on 7-9 inch rows no deeper than ½ inch deep.
6. After emergence spray with insecticide:
   - Mustang or Karate at the highest rate allowed.
   - This is for mole crickets and other insects that feed on seedlings.

Keys to Maintaining Alfalfa in Bermudagrass

1. Soil test at least two times annually and follow recommendations.
2. Take a tissue sample 1 week prior to the second cut each year to determine other fertility needs.
3. Apply Boron and Molybdenum as recommended.
4. Scout and spray for the alfalfa weevils in February/March and fall armyworms in summer.
5. Glyphosate applications are recommended if winter weeds reoccur.
   - Apply only during Bermudagrass dormant state (January or February).
   - No Glyphosate applications are recommended during Bermudagrass active growing season.

How is Management Simplified?

1. Bermudagrass base makes hay, haylage, and silage cleaner, yet has higher quality.
2. No need to fertilize Bermudagrass with nitrogen fertilizer.
3. Weed control.

Alfagraze 600 RR seeding in northern Georgia
Original dual-purpose Alfagrazee with Genuity® Roundup® Ready Tolerance

FALL DORMANCY 6
5+ CUTTINGS A SEASON

- High yield potential, traffic tolerance and persistence
- Extra leafy plants have large, deep crowns for excellent grazing and fast recovery
- High resistance to nematodes and Fusarium Wilt
- Semi-dormant dual-purpose variety for haying or grazing
- Developed by Dr. Joe Bouton, Professor Emeritus, University of Georgia

Performance Profile

<table>
<thead>
<tr>
<th>Performance Profile</th>
<th>Traffic Tested™</th>
<th>Excellent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic Tested™</td>
<td>Excellent</td>
<td></td>
</tr>
<tr>
<td>Yield Potential</td>
<td>Excellent</td>
<td></td>
</tr>
<tr>
<td>Stand Persistence</td>
<td>Excellent</td>
<td></td>
</tr>
<tr>
<td>Recovery After Cutting</td>
<td>Very Fast</td>
<td></td>
</tr>
</tbody>
</table>

Resistance Ratings

| Phytophthora Root Rot    | R                |
| Anthracnose              | R                |
| Verticillium Wilt        | R                |
| Fusarium Wilt            | HR               |
| Spotted Alfalfa Aphid    | R                |
| Stem Nematode            | MR               |
| Root Knot Nematode       | HR               |
| Southern Root Knot Nematode | HR          |

HR = >51% Resistance, R = 31-50% Resistance, MR = 15-30% Resistance, LR = 6-14% Resistance

Quality Dual Purpose for Haying or Grazing

Alfagrazee 600 RR combines improved yield potential with a good disease resistance package for long stand life. This semi-dormant variety features tolerance to Roundup® herbicide for superior weed control.

Selected for Survival and Persistence

Selected for grazing tolerance under severe pressure, the surviving parent plants had the best root and crown health. The exposure to grazing animal traffic for three years helped create large, deep crowns. It also improved root and crown carbohydrate reserves for regrowth and winter survival.

Traffic Tested™ varieties are bred and selected for improved plant types with:

- Large deep-seated crowns
- Abundant leaf mass
- Heavy plant weight
- Fine stems
- Large roots to store energy