This specially selected treatment of nitrogen-fixing bacteria, fungicide, micronutrients, and Optimize® Gold patented technology under a protective coating gives alfalfa growers these advantages:

**BETTER EMERGENCE IN WET OR DRY CONDITIONS**
- Up to 20% better emergence than preinoculated uncoated seed (U of MN and CA data)
- Micronutrients surrounding the seed increases germination and emergence
- Controls early season diseases that attack new seedlings in wet environments

**BETTER AND EARLIER NODULE FORMATION FOR IMPROVED NITROGEN FIXATION**
- At least 100% more live Rhizobium per seed than preinoculated uncoated seed improves root development and nodulation
- Unique mix of Rhizobium strains improves nodulation and promotes nitrogen-fixation

**BETTER STAND ESTABLISHMENT**
- Root and shoot development is enhanced immediately and independent of soil conditions
- Early start improves plant health with season-long benefits of greater yield potential
- Smooth finish and uniform seed size improves planting accuracy
- Ideal for reduced tillage

**PROPRIETARY GROZONE® PACKAGE INCLUDES:**

- **Optimize® Gold with LCO Promoter Technology® for alfalfa**
  - When present at the time of planting, LCO Promoter Technology® enables your crop to achieve its full genetic potential by enhancing nutritional capabilities that drive natural growth processes, maximizing plant health and crop performance.

- **Nitragin® Gold**
  - Specially selected natural rhizobia strains (pre-inoculant) result in high levels of nitrogen fixation for maximum yields

- **Apron XL® Fungicide**
  - Protects against seedling damping-off diseases, especially in cool wet soils

- **Micronutrients**
  - Mo (Molybdenum) + Fe (Iron) + Mn (Manganese)

- **Protective Coating**
  - Preserves and extends shelf life of active rhizobia within seed treatment

**Yield Summary**

<table>
<thead>
<tr>
<th></th>
<th>Tons/Acre</th>
<th>Tons/Acre</th>
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<tbody>
<tr>
<td>Untreated</td>
<td>7.77</td>
<td>9.9</td>
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<tr>
<td>Optimize® Gold</td>
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<td>10.2</td>
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**Continued returns with 2nd year crop**

<table>
<thead>
<tr>
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<th>Tons/Acre</th>
<th>Tons/Acre</th>
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<tbody>
<tr>
<td>Untreated</td>
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<td>9.4</td>
</tr>
<tr>
<td>Optimize® Gold</td>
<td>9.6</td>
<td>10.2</td>
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</tbody>
</table>

**Improved Root System**

americasalfalfa.com  •  800.873.2532