**AF7401**

**All-Star Full Season Silage with Grain**
- High yielding performance
- BMR-6 for superior forage quality
- Brachytic dwarf genetics provide stout stalks for excellent standability
- Economical performance and efficiency

**Characteristics & Ratings**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Maturity</td>
<td>Late</td>
</tr>
<tr>
<td>Days to Soft Dough Stage</td>
<td>110-115</td>
</tr>
<tr>
<td>Midrib</td>
<td>BMR-6</td>
</tr>
<tr>
<td>Seeds/Lb (1,000)</td>
<td>15-20</td>
</tr>
</tbody>
</table>

**Crop Use**

<table>
<thead>
<tr>
<th>Use</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silage</td>
<td>1</td>
</tr>
<tr>
<td>Dry Hay</td>
<td>4</td>
</tr>
<tr>
<td>Continuous Grazing</td>
<td>Not Rated</td>
</tr>
<tr>
<td>Rotational Grazing</td>
<td>Not Rated</td>
</tr>
</tbody>
</table>

**Field Positioning**

- Tough Dryland: MA
- High Yield Dryland: HS
- Limited Irrigation: HS
- Full Irrigation: HS
- High pH Soils Iron Chlorosis: MA
- No-Till: MA
- Poorly Drained Soils: X
- Anthracnose Prone Area: HS
- Fusarium Prone Area: HS

**Observed Suitability and Field-By-Field Positioning**

<table>
<thead>
<tr>
<th>Suitability</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS</td>
<td>Highly Suitable</td>
</tr>
<tr>
<td>S</td>
<td>Suitable</td>
</tr>
<tr>
<td>MA</td>
<td>Manage Appropriately</td>
</tr>
<tr>
<td>X</td>
<td>Poor Suitability</td>
</tr>
</tbody>
</table>

**Recommended Seeding Rates:**
Vary depending on local growing conditions. Please see your Alta Seeds retailer for local recommendations.
FORAGE SORGHUM MANAGEMENT AND PRODUCTION GUIDE:

Strengths:
- Highly digestible and consistent form of quality silage
- High levels of structural carbohydrates in stalks and leaves for overall increased animal performance
- 40 percent greater IVTD forage quality rating over standard forage sorghum
- Requires approximately 30 to 35 percent less water than corn for similar productivity
- Excellent standability from Brachytic dwarf genetics
- Excellent heat and drought stress tolerance
- Performs well on less productive soils
- Potential to equal or exceed corn silage in milk production

Seeding:
- Soil temperature must be at least 60°F
- Avg. Seeds per Pound: 15,000–20,000
  Maximum 100,000 plants/Acre
  (see bag for details)
- Planting depth should be 1”–1.5”
- Seeding rate is important. Follow recommended plant populations for your area.
- Can be no-tilled into the stubble of winter and spring crops

Fertility:
- A soil test is highly recommended to establish a base line of fertility requirements.
- Nitrogen fertility should not exceed 115 units per acre including available nitrogen in the soil.
- Potassium levels should be kept up, particularly if the soil pH is lower than 6.2.
- If soil pH is above 7.5, a foliar application of iron may be necessary or Iron Chlorosis (yellowing of the leaves) may be a problem. This can be corrected by foliar feeding iron while plants are still young.

Harvest:
- AF7401 is usually harvested 110–115 days after emergence.
- For highest foliage protein levels, cut prior to heading.
- Protein levels will decline as harvest is delayed, however energy will increase upon heading. This energy increase is due to continued sugar formation in the sorghum stalks and leaves and carbohydrate deposition in the developing grain.
- Optimum harvest recommendation is when 80% or more of heading has occurred to soft dough stage of the grain.

AVOIDING NITRATE AND PRUSSIC ACID POISONING FROM SORGHUM:
- Avoid large nitrogen applications prior to expected drought periods which can increase Prussic Acid concentration for several weeks after application.
- Do not harvest drought-damaged plants within four days following a good rain.
- Do not greenchop within seven days of a killing frost.
- Cut at a higher stubble height, nitrates tend to accumulate in the lower stalk.
- Wait one month before feeding silage to give Prussic Acid enough time to escape.

Note: Ratings are based upon a number of years testing in numerous locations. Adverse environmental conditions and planting dates may alter a hybrid’s performance, maturity, and resistance to certain diseases and insects.