

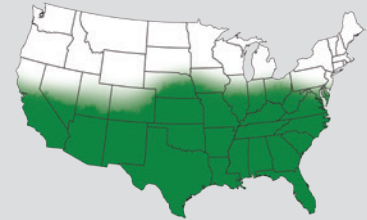
# FORAGE SORGHUM

## AF7301

### Medium Season Silage without Grain

- Harvest 95-105 days after emergence
- Male sterile product for high energy forage
- BMR-6 provides excellent nutrition
- Double crop option

**Recommended Seeding Rates:**  
Vary depending on local growing conditions. Please see your Alta Seeds retailer for local recommendations.



■ Primary area of adaptation

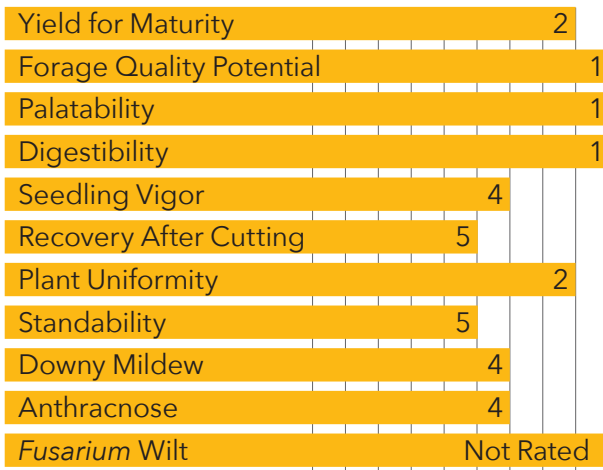
## CHARACTERISTICS & RATINGS

**Medium** Relative Maturity

**100-105** Days to Soft Dough Stage

**BMR-6** Midrib

**14-16** Seeds/Lb (1,000) – check seed bag



10 9 8 7 6 5 4 3 2 1  
Poor Excellent

Based on Alta Seeds research trials relative to other Alta Seeds products.

## CROP USE

Silage	1
Dry Hay	3
Continuous Grazing	Not Rated
Rotational Grazing	Not Rated

AF7301 is a male sterile hybrid with the nutritional benefits of the BMR-6 characteristic. It will not produce grain unless a foreign pollen source is available. Male sterile sorghums, such as AF7301, have high levels of sugar and protein due to a lack of grain development. This hybrid offers excellent digestibility and high yield potential. AF7301 provides growers with a high energy forage crop.

## FIELD POSITIONING

Tough Dryland	HS
High Yield Dryland	S
Limited Irrigation	HS
Full Irrigation	S
High pH Soils Iron Chlorosis	MA
No-Till	MA
Poorly Drained Soils	X
Anthraco	MA
<i>Fusarium</i> Prone Area	MA

Observed Suitability and Field-By-Field Positioning

HS = Highly Suitable

S = Suitable

MA = Manage Appropriately

X = Poor Suitability



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## FORAGE SORGHUM MANAGEMENT AND PRODUCTION GUIDE:

### Strengths:

- Highly digestible and consistent form of quality silage
- 40 percent greater IVTD forage quality rating over standard forage sorghum
- Requires approximately 30 to 35 percent less water than corn for similar productivity
- Much improved standability compared to early release BMR products
- 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: 14,000-16,000  
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 110 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:

- AF7301 is usually harvested between 95 to 105 days after emergence.
- If a foreign pollen source is present, hybrid will produce some grain content but harvest should be indicated by whole plant moisture.

## 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.