

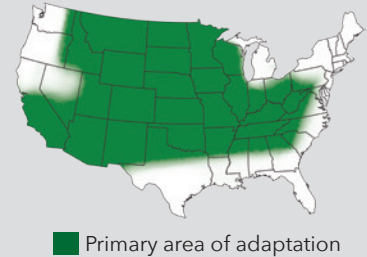
# SORGHUM-SUDANGRASS

## AS6501

Photoperiod Sensitive Sorghum-Sudangrass

- Extended harvest window
- Excellent re-growth after harvest
- Exceptional drought tolerance
- BMR-6 provides high-quality nutrition

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



■ Primary area of adaptation

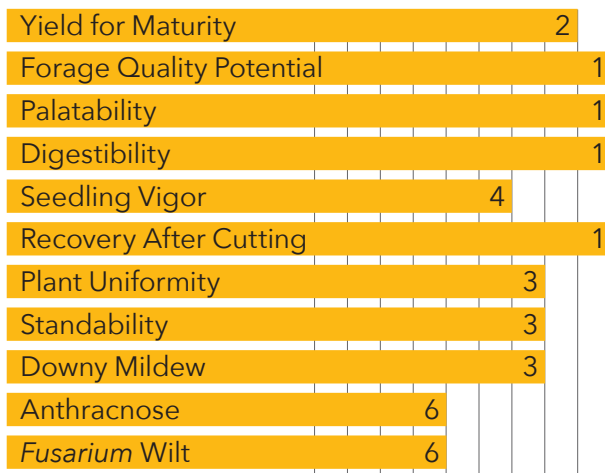
### CHARACTERISTICS & RATINGS

**Photoperiod Sensitive** Relative Maturity

**Varied** Days to Boot Stage

**BMR-6** Midrib

**13-15** 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	4
Dry Hay	1
Continuous Grazing	4
Begin Height 24" • Stop Height 6"	
Rotational Grazing	1
Begin Height 24" • Stop Height 6"	

The photoperiod sensitive characteristic of AS6501 allows for a wide window of harvest and consistent quality in the growing season. The BMR-6 characteristic increases feedstock utilization and efficiency. AS6501 remains in a vegetative state when the plant receives at least 12 hours and 20 minutes of daily sunlight, allowing the greatest harvest flexibility. Falling below this threshold, it begins booting.

### FIELD POSITIONING

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

Observed Suitability and Field-By-Field Positioning  
HS = Highly Suitable S = Suitable  
MA = Manage Appropriately X = Poor Suitability



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## Multi-Year Quality Data

Variety	DM yield	%CP	%ADF	%NDF	%IVTD	Beef / ton	\$/acre	
<b>AS6501</b>	<b>15,600</b>	<b>9.84</b>	<b>28.57</b>	<b>50.23</b>	<b>78.99</b>	<b>303.70</b>	<b>1539.61</b>	ADF = Acid Detergent Fiber
<b>AS6201</b>	<b>12,138</b>	<b>8.75</b>	<b>25.65</b>	<b>45.49</b>	<b>81.70</b>	<b>333.60</b>	<b>1315.93</b>	CP = Crude Protein
Nutri Plus	11,898	9.23	29.78	51.34	78.69	300.69	1155.35	DM = Dry Matter
Megagreen	13,476	8.74	26.99	47.66	75.78	281.20	1121.54	IVTD = In Vitro True Digestibility
<b>AS5201</b>	<b>12,078</b>	<b>9.03</b>	<b>32.31</b>	<b>53.14</b>	<b>72.16</b>	<b>249.20</b>	<b>978.03</b>	NDF = Neutral Detergent Fiber

## SORGHUM SUDANGRASS MANAGEMENT AND PRODUCTION GUIDE:

### Strengths:

- Excellent heat and drought stress tolerance
- Excellent recovery after cutting
- Wide harvest window

### Seeding:

- Soil temperature should be at least 60° F.
- Avg. Seeds per Pound: 13,000-15,000 (see bag for details)
- Planting depth should be 1".
- Seeding rate is important. Follow recommended plant populations for your area.
- Do not plant in soils with pH greater than 7.5 to 8.0 as Iron Chlorosis can be a severe problem.
- Can be no-tilled into the stubble of winter or spring crops.
- AS6501 should be planted after day length reaches 12 hours and 30 minutes

### Fertility

- A soil test is highly recommended to establish a base line of fertility requirements.
- Under favorable growing conditions, apply 1-1.25# of Nitrogen per day of planned growth.

- Reduce Nitrogen rates less optimal growing conditions.
- Potassium levels should be kept up, particularly if the soil pH is lower than 6.2.
- If soil pH is above 7.0, a foliar application of iron may be necessary or Iron Chlorosis (yellowing of the leaves) may be a problem. This can be reduced by foliar feeding iron while plants are still young.

### Harvest:

- AS6501 is usually harvested 70 days after emergence.
- Protein will decline as harvest is delayed, but energy will increase upon heading due to continued sugar formation in the sorghum stalks and leaves, and carbohydrate deposition in the developing grain.
- Careful attention should be paid to the cutting height for re-growth, 2 nodes or 6" of stubble is optimal. Sharp blades provide for a clean cut and enhance re-growth.
- Sorghum species dry slowly because of their drought tolerance; one method of managing drydown in silage is to swath the crop, allow it to wilt to the desired moisture level, and then pick up the wind rows with a silage chopper. (Swath/Wilt/Chop).

## 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.



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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.