



All-Star BMR S-70

Sorghum - Sudangrass

(Sorghum bicolor x Sorghum sudanense)



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- **Brachytic Dwarf for Maximum Leaf Area and Standability**
- **Newest Generation BMR Quality for Improved Digestibility and Palatability**
- **Late Maturity**

Newest generation of BMR sorghum x Sudan hybrids with the Brachytic Dwarf trait. This trait shortens the internode length, producing a short statured high leaf to stem ratio. Even though the plant is shorter than other hybrids it will produce equal or higher tonnage. With the shortened internodes it also allows closer cutting or grazing height.

AGRONOMIC TRAITS

Early Seedling Vigor:	Good
Growth Habit:	Dwarf
Recovery After Cutting:	Excellent
Maturity:	70 days to Boot
Uniformity:	Good
Plant Color:	Purple
Midrib Type:	Brown

RECOMMENDED SEEDING RATES

Bushel Weight:	56 lbs.	
Average Seeds per Pound:	13,000 to 15,000	
	Dryland	Irrigated
Rates (lbs.):	10 - 30	12 - 25
Seeds/Sq. Ft	5 - 14	17 - 22

QUALITY DATA

Maturity Stage:	Boot
% ADF	32.1
% NDF	66.2
% IVTD	83.5
% CP	11.8
% CWD	62.3

CROP USE INFORMATION

Life Cycle:	Annual
Ease of Establishment:	Good
Shade Tolerance:	Poor - Fair
Drought Stress:	Excellent
Wet Soil	Good
Low pH Tolerance:	Moderate
Minimum pH:	6.0
Saline Soils (White Alkali):	Fair
Saline - Sodic Soils (Black Alkali):	Fair
Hay:	Excellent
Silage:	Excellent
Continuous Grazing:	Good
Rotational Grazing:	Excellent
Palatability:	Excellent
Anti-Quality:	Prussic Acid and Nitrate

DISEASE/INSECT/NEMATODE RATINGS

Downy Mildew:	R
Anthracoese:	R

All-Star BMR S-70 Sorghum-Sudan Management and Production Guide:

Strengths

- High yield potential.
- Brown Midrib.
- Highly palatable.
- Limited Downy Mildew resistance.
- Low water requirement.
- Brachytic Dwarf

Seeding:

- Soil temperature should be at least 60 F.
- All-Star BMR S-70 is usually planted between March 10 and July 10.
- Can be no-tilled into the stubble of winter and spring crops.
- Planting depth should be 1”.
- Do not plant in soils with pH greater than 7.5 to 8.0.
- Chlorosis can be a severe problem.

Harvest:

- All-Star BMR S-70 is usually harvested 45-60 days after seeding.
- 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 grains.

Avoiding Nitrate and Prussic Acid Poisoning from Sorghum:

- Avoid large nitrogen applications prior to expected drought periods.
- 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 .

ADAPTATION RATINGS

Photosynthetic Type:	Warm Season
Photoperiod:	Insensitive
Soil Temperature:	Warm (60 F)
Water Requirement:	Very Low

