

■ **BROWN MIDRIB TRAIT (BMR)**

What Is a BMR?

The brown midrib trait (BMR) is a visual marker for a genetic trait, which causes the plant to create less lignin. Lignin is the component of the plant cell wall that binds cellulose and hemicellulose strands together and is the limiting factor in forage fiber digestion. The addition of the BMR trait has shown marked reductions of lignin thus improving palatability and digestibility. The BMR trait has improved feed quality and maintained yield potential compared to standard genetics.

Independent research has proven that BMR hybrids have noticeably better digestibility than standard forages when immature and huge advantages in digestibility when very mature. This can be the difference between an acceptable hay product and poor quality hay when harvest cannot occur during optimum conditions because of weather and other factors.

- Significant 40 to 60% Decrease in **Lignin**.
- Significant 15 to 30% Increase in **Palatability**.
- Significant Increase in **Digestibility**.
- Significant Increase in **Efficiency**.

■ **1st CHOICE BMR**

A BROWN MIDRIB SORGHUM-SUDANGRASS USED FOR DIRECT GRAZING, HAY, OR SILAGE.

DESCRIPTION: **1st Choice BMR** adds an exciting new concept and form to sorghum-sudangrass forage hybrids. This hybrid BMR sorghum-sudangrass has slightly larger and wider leaves than most conventional sorghum-sudangrass varieties. It has significant brown-midrib expression with improved forage quality, medium stem size, and white tannin-free grain. Qualifies for LDP payment.

“Very impressed with appearance of 1st Choice BMR it was much leafier than other products and had good standability. It seemed to produce better than other products I have used. I would definately recommend this product and plan on using it again next year” -Duane Schrader 1.6.06

MANAGEMENT: This multipurpose hybrid offers tremendous flexibility to producers. When used as a direct pasture forage, **1st Choice BMR** is exceptionally palatable and livestock tend to utilize more of the entire plant. Begin grazing at 24” – 30”. Harvest for hay at late boot. This hybrid also produces an excellent yielding silage crop with a high grain to stover ratio.

CHARACTERISTICS

Seed Count	16,500 seeds/lb.
Seed Color	White with no Tannin
Height	6-7 ft.
Days to Flower	70-75 days
Regrowth	Outstanding

PLANTING RATES (lb. /acre)

	Row	Broadcast
Irrigated	10-15	35-40
Dryland	6-8	20-30