



AERC Inc.

Agriculture Environmental Renewal Canada Inc

AERC FORAGE SORGHUM BMR 1

Description

This multipurpose hybrid offers tremendous flexibility to producers

When used as direct pasture forage, this hybrid is exceptionally palatable and livestock tend to utilize more of the entire plant. Quality and production of regrowth is adequate for both rotational grazing and hay production. This hybrid also produce excellent yielding silage crop with high grain to stover ratio.

The sweet brown midrib (BMR) adds an exciting new concept and form to sorghum-sudangrass forage hybrids. Because of the BMR trait, improved quality of the forage is attained with direct results of significant increases in animal gain. This hybrid has demonstrated the ability to increase both meat and milk productions dramatically, resulting in a greater profit per acre.

This hybrid BMR sorghum-sudangrass has larger and wider leaves than most conventional sorghum –sudangrass varieties. It also has significant brown-midrib expression, medium stem size, and white tannin free seeds



A BROWN MIDRIB SORGHUM-SUDANGRASS USED FOR DIRECT GRAZING, HAY AND SILAGE AT DOUGH STAGE

Characteristics of AERC Forage Sorghum BMR 1:

- Multipurpose brown midrib sorghum-sudangrass used for direct grazing, hay and silage
- Forage dry matter yield of 10- 12 t/ha
- Very large and wide leaves with BMR and very safe in prussic acid level
- Reach soft dough stage in 120 days

Table 2: Crop Management Summary- AERC Forage Sorghum BMR 1:

Planting date	Plant in after May 20
Spacing	Between rows 7 inches and 2 to 3 inches apart within the row.
Seed size	AERC Forage Sorghum BMR 1 seeds are large with 16,500 seeds/lb.
Seed Rate	16 lbs/acres , Target population 225 000 plants/acre.
Planting depth	Plant shallow at 1 inch.
Planting equipment	Use cereal box on the drill. Broad casting of seeds results in uneven stand. Use chart opening for Milo or sorghum
Fertilizer	Use 70% of corn silage fertilizer recommendation. Apply 100 to 140 lbs N, 30 lbs P and 70 lbs K per acre at planting. Follow Soil Test Recommendation.
Grass weed control	Glyphosate Application or Cultivation prior to planting
Broad leaf weed control	The following herbicides are registered for broad leaf weed control in Ontario. 1) PEAK 75WG plus BANVEL-480; 2) BASAGRAN Forte; 3) 2, 4-D. Herbicide should be used at 4- 6 leaves stage. (<i>Refer to your Weed Control Publication</i>).
Harvesting	Ready at 80 to 85 days after planting. Optimum forage quality at flag leaf stage i.e., AERC Forage Sorghum BMR 1
Forage Yield and Quality	Forage dry matter yields 15 t/ha. Forage quality (in % dm) is 12% CP, 30-33% ADF, 58 % NDF and 69% total digestible nutrients and net energy lactation of 1.43 (Mcal/kg).
Uses	Silage, green chop, baylage and pasture.
Grazing	Allow crop to reach over 1.5 to 2 feet and rotate the animals by leaving 6 to 8 inches of stubble for re-growth.
Prussic acid	AERC Forage Sorghum BMR 1 had very low levels of prussic acid after a frost (1.0 to 9.0 ppm %dm). Prussic acid level of less than 250 ppm is safe to use as feed.