

Millennium BMR-Information

Millennium BMR is our answer to the dairyman or feed lot operator who wants to grow quality silage or green chop but has a limited supply of water.

Millennium BMR being a hybrid forage sorghum requires 1/3 less water to produce a silage crop than corn. Yields and forage quality will be equal to or higher than corn.

The tall, leafy plant produces large panicles of white grain. The additional grain in the silage supplies the desired energy in dairy rations, eliminating the need of additional grain to the ration.

The brown mid rib characteristic of Millennium results in reduced lignin in the stalk and stem resulting in a plant with very sweet, soft stems and leaves that cattle relish. In university trials milk production actually increase when dairy cattle are fed brown mid rib forage sorghums.

Millennium's primarily used for silage or green chop. Millennium makes outstanding initial growth but being a Forage Sorghom it does not have as rapid a re-growth as Century BMR.

What is brown mid rib and what is the advantage of planting seed with the bmr trait?

BMR stands for Brown Mid Rib. This is a marker gene that turns the rib on the underside of forage sorghums brown. It is also a marker for low lignin, very high digestible forage. Lignin is the part of the plant that gives the plant rigidity or stalk strength. It is also the part of the plant that passes through a ruminant animal undigested. The BMR trait reduces the lignin content of the plant by 40 to 60 percent depending on environmental and cultural condition BMR plants are lower in neutral detergent fiber and acid detergent fiber concentrations than conventional forage sorghums. To the dairyman this means that the same amount of Millennium fed to his dairy cattle will give them more nutrition than the same amount fed to his cattle without the BMR trait allowing the animal to make greater use of the same dry matter.

Due to the reduction in lignin content Millennium should be harvested at the soft dough stage of growth. Lodging can occur if left to stand beyond this point.