



Higher yields are available with K-Mag[®] fertilizer



K-Mag benefits

Supplies essential nutrients often overlooked by traditional NPK programs

Virtually 100% water-soluble – K, Mg and S are immediately available to crops

No risk of fertilizer burn thanks to low chloride levels and a low salt index

Helps boost yields without affecting soil pH

Typical broadcast rates are 150-300 lbs/A, but soil analysis should direct usage. Additional K may be required.

Why K-Mag?

The shortage of just one essential nutrient can shortchange BAHAGRASS yield and quality. Growers can optimize BAHAGRASS productivity by providing a balanced soil fertility program that ensures all 17 essential nutrients are available to plants.

K-Mag fertilizer provides three essential nutrients in the highly available sulfate form. Available in PREMIUM, GRANULAR and STANDARD grades, K-Mag provides 21-22% potassium (K₂O), 10.5-11% magnesium (Mg) and 21-22% sulfur (S).

Also known as langbeinite, potassium magnesium sulfate, or double sulfate of potash, K-Mag is sourced from ore beds deep beneath the earth's surface, where an isolated lake of ocean water once existed. Langbeinite, an evaporite mineral, is one of the most soluble salts in the ocean.

Increase BAHAGRASS yields

Grown for hay, sod and pasture, BAHAGRASS is widely recognized for its superior adaptation. However, it can remove large quantities of nutrients from the soil. One ton of BAHAGRASS removes 45 lbs/A of potash, 5 lb/A of Mg and 4 lb/A of S. Additionally, maintaining a proper soil pH (5.5–6.5) is essential for adequate nutrient availability and uptake. If the soil is too alkaline, micronutrient deficiencies may occur. If the soil is too acidic, S deficiency may occur and manganese (Mn) can become toxic.



K-Mag can help replenish three essential nutrients, without affecting soil pH.

Potassium (K)

K helps BAHIAGRASS out-compete invading weeds by promoting an extended, deep root system. Healthy roots also help BAHIAGRASS better tolerate drought by searching lower in the soil profile for water. K helps fend off disease.

Magnesium (Mg)

Mg constitutes the heart of the chlorophyll molecule and regulating photosynthesis rates. As rates of photosynthesis decline, so do quality and yield. Mg also plays a role in soil nutrient balancing acts by facilitating phosphorus (P) uptake. K-Mag supplies Mg in the readily available water soluble sulfate form, as well as in the right balance with K.

Sulfur (S)

Studies show that S additions can increase BAHIAGRASS yields by 25% (see Table below). S is a key element in proteins, and it is vital to vitamin synthesis in plants. S deficiencies are a concern in the Southeast because of highly leached soils and minor industrial activity in the region.

South Florida BAHIAGRASS yields and quality respond to S additions

Sulfur addition	Yield Increase	Crude Protein Increase
77 lbs S/Ac	25%	1.2%

Source: Rechcigl (UF-IFAS)

Ensure BAHIAGRASS has all the nutrients it needs to thrive. Contact us today to learn about adding K-Mag to your balanced soil fertility program!

kmag.com



The Mosaic Company, 3033 Campus Drive, Plymouth, Mn. 55441

© 2009 The Mosaic Company. All Rights Reserved. K-Mag is a registered trademark of The Mosaic Company.