K-Mag® Insight

RICE



Higher Yields are Available With K-Mag® Fertilizer

The K-Mag Advantage

Provides a balance of naturally combined potassium (K), magnesium (Mg) and sulfur (S) — all in one granule.

FEATURES

- 3-in-1 nutrient source
- Low chloride
- Water solubility
- pH neutral

BENEFIT

- Higher yield and profitability

Why K-Mag?

The shortage of just one essential nutrient can shortchange rice productivity and profits. Growers can optimize yields and maximize profits 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 a highly available and soluble form. Available in PREMIUM, GRANULAR and STANDARD grades, K-Mag provides 21–22% potassium (K_2O),10.5–11% magnesium (Mg) and 21–22% sulfur (S).

Also known as langbeinite or potassium magnesium sulfate, K-Mag is sourced from ore beds deep beneath the earth's surface, where an isolated lake of ocean water once existed. Langbeinite is an evaporite mineral but becomes soluble upon soil application.

Increase Rice Yields

Rice production is regarded by some as the single most important economic activity in the world since roughly half of the world's population relies on it as a primary food source. Quality rice production demands balanced nutrient management for maximum yields and disease resistance.

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Potassium (K)

Potassium is a key element of all cereal crops because it impacts grain fill. High-yielding rice cultivars need high K inputs to replenish levels lost during production. A 200 bu/ac grain crop can remove 30-35 lbs K_2O/ac and significantly more in instances where the straw is also harvested. Potassium also has a profound effect on increasing resistance to disease and insects. By increasing stem strength and producing healthy leaves, K enhances pest tolerance.

Magnesium (Mg)

High K rates can inhibit Mg uptake. Magnesium, the core element in chlorophyll, is at the center of complex nutrient reactions. Reduced levels of Mg inhibit photosynthesis resulting in reduced quality and yield. As photosynthesis rates decline, so do quality and yield. K-Mag provides a readily available soluble source of Mg, and it supplies K and Mg in proper balance.

Sulfur (S)

Sulfur is a component of several amino acids and is essential for plant protein formation. Sulfur applications have been found to increase plant protein levels, and boost overall yields. A University of Missouri study conducted in 2004 showed that S additions numerically increased rice yields. The 2-year average yield for all S treatments was 194 bu/ac compared to 185 bu/ac for the control. Preplant and preflood S treatments had higher yields than for later applications. The study also found that herbicide savings, due to accelerated early plant growth, are possible with preplant and preflood S applications.

Ensure your rice crop 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
1-877-BUY-KMAG (1-877-289-5624)

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