



## **Higher yields are available with K-Mag<sup>®</sup> 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 citrus yields and quality. Growers can optimize yields and maximize profits by providing a balanced soil fertility program that ensures all 17 essential nutrients are available to plants.

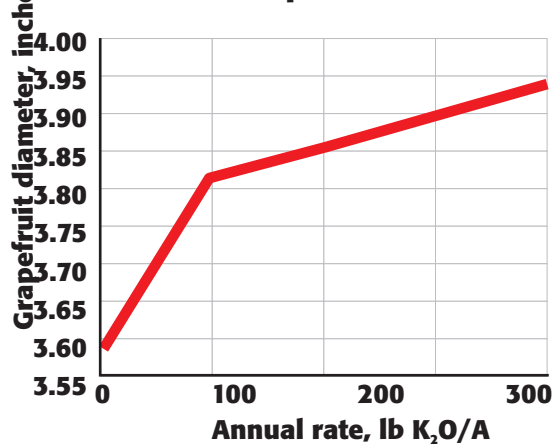
K-Mag fertilizer provides three essential nutrients in the highly available sulfate form. Available in PREMIUM, GRANULAR and STANDARD grades, K-Mag provides 21-22% potassium ( $K_2O$ ), 10.5-11% magnesium (Mg) and 21-22% sulfur (S).

Also known as langbeinite, 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.

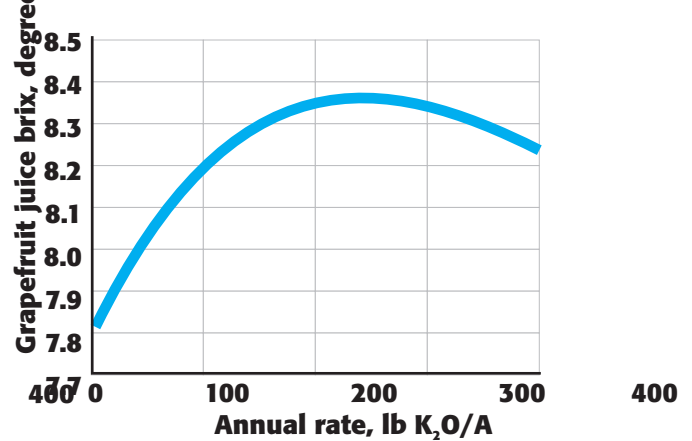
### **Increase citrus yields**

Successfully growing a high-quality citrus crop on Florida's calcareous soils requires increased nutritional management. While these soils often are naturally low in K and Mg, the high Ca levels further suppress K and Mg uptake, making it difficult to maintain a proper balance of soil nutrients. K-Mag helps provide K and Mg in the appropriate balance.

## K affects fresh fruit qualities like size and sweetness



**Grapefruit size increased with higher K fertilizer rate.**



**Grapefruit juice brix (sugar content) was maximized at about 200 lb K<sub>2</sub>O/A**

Source: Dr. T.A. Obreza, *Better Crops/Vol. 87, 2003, PPI*

### Potassium (K)

Citrus fruits remove large amounts of K compared with other nutrients. On sandy, well drained soils, K rates can approach 1.25 times that of nitrogen (N). K is highly recognized for its impact on fruit quality, contributing to fruit formation and enhancing fruit size, flavor and color. Alternatively, K deficiency can lead to disease problems, reduced fruiting, and early fruit drop.

### Magnesium (Mg)

Mg deficiency is rampant in citrus orchards. The familiar "bronzing" effect of mature leaves is a signal to growers that fruit has stripped Mg from the leaves. Mg-deficient citrus plants easily drop leaves in unfavorable conditions such as cold weather and water stress. The defoliated twigs become weak and ultimately lead to reduced fruit production. It is critical to maintain Mg levels for the long-term tree health and productivity. K-Mag provides a readily available soluble source of Mg, and it supplies K and Mg in the proper balance.

### Sulfur (S)

Citrus crops demand S in proper balance with N. S is a key element in proteins, and is vital to vitamin synthesis. If adequate S is not supplied with N, deficiency symptoms may appear as a yellowish color in leaves, and stunted growth.

Ensure citrus 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](http://kmag.com)**



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