



# KMS

POTASSIUM MAGNESIUM  
SULFATE

*KMS is a solution-grade potassium magnesium sulfate, ultra-finely ground to 325 mesh for use in ground spray equipment or irrigation injection systems for soil applications.*

**CONTACT INFORMATION**

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**PLANT AVAILABLE NUTRIENTS** - The potassium, magnesium, and sulfur in KMS are in the sulfate form, meaning they are immediately available to plants.



**EASY ON SENSITIVE CROPS** - The low chloride content of KMS makes it a great fit for crops that are sensitive yet need magnesium.



**DOES NOT AFFECT SOIL pH** - KMS is neutral in pH when applied to the soil, and therefore it does not contribute to additional soil acidity or alkalinity.



**BALANCED FERTILIZATION** - Supplies a perfect balance of three essential nutrients in a water-soluble form containing 21% potassium, 11% magnesium and 22% sulfur.



**ALL NATURAL** - KMS is a naturally occurring nutrient-rich mineral. Because it is 100% natural, KMS boasts the added benefit of being listed for use in organic crop production.

# TECHNICAL DATA

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## Guaranteed Analysis

|                                    |       |
|------------------------------------|-------|
| Potassium Oxide (K <sub>2</sub> O) | 21.5% |
| Magnesium (Mg)                     | 10.8% |
| Sulfur (S)                         | 22.0% |



Available in 50 lbs bags and 2000 lbs bags



## Chemical Composition

| Component                          | Typical % | Range          |
|------------------------------------|-----------|----------------|
| Potassium Oxide (K <sub>2</sub> O) | 21.7%     | 21.5% - 21.7%  |
| Potassium (K)                      | 18.2%     |                |
| Sodium (Na)                        | 0.7%      |                |
| Calcium (Ca)                       | 0.1%      |                |
| Magnesium (Mg)                     | 11.4%     | 11.20% - 11.6% |
| Sulfur (S)                         | 22.4%     | 22.3% - 22.7%  |
| Chloride (Cl)                      | 1.5%      | 0.8% - 1.6%    |
| Water Insoluble                    | 0.4%      |                |
| Moisture (H <sub>2</sub> O)        | 0.05%     | 0.04% - 0.155  |

## Particle Size Distribution

|                  |       |
|------------------|-------|
| Passing 100 mesh | 100%  |
| Passing 200 mesh | 97.6% |
| Passing 325 mesh | 92%   |

## Physical Properties

|                           |                  |
|---------------------------|------------------|
| Bulk Density (loose)      | 54 Lbs./ cu. ft. |
| Angle of Repose (degrees) | 34               |