

00-00-21

Sulfate of Potash Magnesia (Premium Granular)

GUARANTEED ANALYSIS

Soluble Potash (K ₂ O)	21.00%
Magnesium (Mg) Total.	10.50%
10.50% Water Soluble Magnesium (Mg)	
Sulfur (S)	21.00%
21.00% Combined Sulfur (S)	
Derived From: Double Sulfate of Potash and Magnesium	
F001958	

GENERAL INFORMATION

Plants need balanced nutrition to THRIVE, just like people. Increasing plant quality and overall performance requires a complete and balanced soil fertility program that supplies not only needed N, P and K, but the "secondary" nutrients, like Sulfur (S) and Magnesium (Mg).

K-mag is nature's unique and perfectly balanced source of K, Mg and S. Known as Langbeinite, potassium magnesium sulfate, or double sulfate of potash, K-mag is sourced from natural 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.

RECOGNIZING POTASSIUM DEFICIENCIES

Potassium deficiency is a serious problem for all plants, because it is involved in so many different plant processes. Plants experiencing potassium deficiencies will show the following symptoms:

- Yellowing and curling of edges of lower leaves.
- Sometimes leaves will turn purple.
- More likely to occur in times of drought stress.
- Leaf edges look burned.

Sandy soils tend to be more deficient in Potassium because it is leached easily from soils that do not have a high CEC (Cation Exchange Capacity). Soils with a low pH (acidic soils) sometimes have enough Potassium, but it is not available to plants. It is important to test the soil pH to see if the Potassium is there, but not available.

DIRECTIONS FOR USE

The best results with this product are obtained when it is applied to actively growing grass, and watered into the turf soon after application. Avoid mowing immediately following application to prevent product pick-up. Sweep, brush or blow off any non-target areas to alleviate any staining or unwanted effects.

RATE OF PRODUCT

Desired Potassium	Lbs. To Apply Per Acre	Lbs. To Apply Per 1000 Sq. Ft.	1 Ton of Product Covers	1 Bag of Product Covers
1.50 Lb(s).	311.02	7.14	6.43 Acre(s)	7,003 Sq. Ft.
1.00 Lb(s).	207.35	4.76	9.65 Acre(s)	10,504 Sq. Ft.
0.75 Lb(s).	155.51	3.57	12.86 Acre(s)	14,006 Sq. Ft.
0.50 Lb(s).	103.67	2.38	19.29 Acre(s)	21,008 Sq. Ft.
Product Weight: 82 Lbs./Cu.Ft.			SGN Size: 200 To 230	

For use as a potassium supplement to correct soil deficiencies or as part of a sound nutritional program. Apply no more than one pound of potash per 1,000 Sq. Ft. in any single application. Actual rates and timing of applications will vary with weather, soil and turf conditions.

NOTE: For fertilizer application rates suitable for your geographical area or the maximum allowable non-nutrient application rates per acre, consult a trained soil specialist (local horticulturist) or contact the manufacturer or distributor.

THE ESSENTIALS OF K-MAG

K-Mag fuels quality and yields by supplying a unique combination of 3:1 ratio of Potassium, Sulfur and Magnesium in the highly available water-soluble sulfate form.

Potassium (K), known as the "quality" nutrient, promotes healthy root systems, increases plant vigor and resistance to disease and cold. Potassium is also essential in sugar and starch formation, and the movement of nutrients through the plants.

Magnesium (Mg) is the central component of chlorophyll, the pigment molecule responsible for absorbing sunlight during photosynthesis. Providing Magnesium and Potassium in the proper balance, K-Mag helps increase plant strength and builds resistance to winter kill, dying, insect attack and spray damage.

Sulfur (S) helps build proteins in plants and is a key component of many unique traits. Sulfur puts the "green and leafy" into crops like spinach, while giving garlic and asparagus their distinctive flavors and improves the baking quality of wheat. K-Mag provides an adequate supply of Sulfur for healthy crop production. Because it is in the sulfate form, Sulfur aids initial root growth and promotes seed production and vigorous plant growth.

K-Mag provides these three essential nutrients in the proper balance, helping to ensure the nutrition is not a limiting factor in achieving top plant performance.

For Golf Courses follow the BMP at:

<http://www.dep.state.fl.us/water/nonpoint/glbmp07.pdf>

Please follow the Best Management Practice for Florida Green Industries at:

http://www.dep.state.fl.us/central/HomeMeetingsTraining/FLGreen/BMP_Book_final.pdf

THRIVETM

BRANDED FERTILIZER

PRECAUTIONARY STATEMENTS

May cause eye or skin irritation. Maybe harmful if swallowed. Wash hands thoroughly after handling. Wear eye and face protection. Do not breathe dust. Dispose of contents/container in accordance with Federal, state and local regulations. Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden, and sweep any product that lands on the driveway, sidewalk, or street, back onto your lawn/garden.

FIRST AID

Eye Contact - flush eyes with running water for at least 15 minutes. Skin Contact - wash from skin with soap and water. Ingestion - dilute with water or milk. If necessary, induce vomiting only when victim is conscious. Call a physician. Get medical attention if you feel unwell.

KEEP OUT OF REACH OF CHILDREN



WARNING

Causes serious eye irritation. May cause skin irritation after prolonged exposure.

FOR CHEMICAL EMERGENCIES CALL:
CHEMTREC 1-800-424-9300

LIMITS OF WARRANTY: MEARS FERTILIZER, INC. and seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purpose stated on such label only when used in accordance with the directions under normal use conditions. Except as specifically stated below, NO WARRANTIES, WHETHER EXPRESSED OR IMPLIED, ARE MADE WITH RESPECT TO THE PRODUCT OR ITS USE, AND NO AGENT OF THE MANUFACTURER OR OF THE SELLER IS AUTHORIZED TO DO SO.

Buyer and user of this product assume all responsibility for handling, storage and use not in accordance with directions. It is impossible to eliminate all risks inherently associated with the use of the product. Plant injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond manufacturer's and seller's control. In no case shall the manufacturer or seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

Manufactured and Guaranteed By:

Mears Fertilizer, Inc. - P.O. Box 1271
El Dorado, KS 67042 - Phone: (800) 345-9143

Net Wt. 50 Lbs. (22.68 Kgs.)