

Brandt Reaction[®] MKS

Nutrient Solution

Guaranteed Analysis

Soluble Potash (K ₂ O)	4.0%
Magnesium (Mg)	2.1%
2.1% Complexed magnesium	
Sulfur (S)	4.2%

Derived from potassium magnesium sulfate complexed with amino acid. F76

General Information

BRANDT REACTION MKS is designed to provide supplemental nutrition for correction of Mg, K and S deficiencies. It helps increase plant strength and builds resistance to winter kill, drought stress and abiotic stress by supplying Mg, the central component of chlorophyll. This product has a low salt index, so it is ideal for use as a starter or sidedress product injected into the soil. This product is recommended for use on, but not limited to, vegetable and row crops, deciduous fruit and nut trees, citrus, avocados, vine and berry crops, ornamentals, turf, pasture and range grasses.

Mixing and Handling Instructions

Compatibility: This product may be applied separately or in conjunction with most other fertilizers. It is compatible with most acid based fertilizers and other plant nutrients. However, a compatibility test is recommended if the desired combination has not been previously used. DO NOT mix with ammonium thiosulfate, potassium thiosulfate or other high pH or high free-ammonia products. When mixing this product with UAN 32, it is suggested to use up to one gallon of water per one gallon of UAN 32 to insure complete and thorough mixing. This product is a low pH material and should only be applied with suitable equipment.

Application Method: This product is most effective when applied through an irrigation system or banded. Soil applications can be incorporated in liquid fertilizer or applied separately. Accurate and properly calibrated injection equipment and an irrigation system that is operated at maximum distribution uniformity will help avoid plant injury and/or product ineffectiveness. For best results, with the exception of center pivot and lateral systems, apply this product toward the end of the irrigation set. Allow sufficient time for the product to be flushed completely out of the irrigation system prior to turning off the irrigation water.

Net Contents: 265 gallons (1003 liters)

Density: 9.9 lb/gal @ 68°F
Net Weight: 2618 lb (1187 kg)

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2016-05 (GHS)

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Mixing: Add this product to a partially filled tank and slowly add the remaining water while maintaining constant agitation. Always add this product to the spray tank before adding other agricultural chemicals. To avoid potential phytotoxicity, test a small amount of solution on the intended target area to ensure plant compatibility prior to the planned application.

Rate Recommendations

Turf (golf course greens, tees, fairways and roughs; sports turf):

Maintenance rate	5-10 gals./acre
Moderate deficiency	10-15 gals./acre
Severe deficiency	15-25 gals./acre

All other crops: In the absence of a soil or leaf analysis to determine potassium deficiency, apply the following rates:

Mild Deficiency	2-6 gallons/acre
Moderate to Severe Deficiency	6-10 gallons/acre

After initial application, monitor plant nutrient levels and apply again as needed.

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. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices.

Information about the components of this lot of fertilizer may be obtained by writing to Brandt Consolidated, Inc. and giving the lot number which is found on the container or label.

Precautionary Statements: Based on currently available data, this product is not classified as a hazardous substance. However, observe good industrial hygiene practices. Wash hands after handling.
Storage and Disposal: Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children. Store away from incompatible materials. Dispose of contents/container in accordance with local regulations.

Warranty: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

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