

# Brandt Reaction® S DS

Water Soluble Fertilizer

21-0-0

## Guaranteed Analysis

Total Nitrogen (N) .....	21.0%
20.0% Ammoniacal nitrogen	
1.0% Urea nitrogen	
Sulfur (S) .....	23.0%

Derived from ammonium sulfate and urea. F76

## General Information

BRANDT REACTION S DS is a water soluble, soil-applied plant food designed to correct sulfur deficiencies. This product is especially formulated to promote sulfur uptake and metabolism. BRANDT REACTION S DS quickly boosts plant growth during critical or high growth periods and helps reduce stress caused by extreme weather conditions.

BRANDT REACTION S DS 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.

Soil applications of BRANDT REACTION S DS can be incorporated in liquid fertilizer or applied separately. This product is most effective when applied through an irrigation system, banded or side dressed.

## Mixing and Handling Instructions

**Compatibility:** BRANDT REACTION S DS is compatible with acid based fertilizers and other plant nutrients. A compatibility test is recommended if the desired combination has not been previously used.

DO NOT use this product with ammonium thiosulfate, potassium thiosulfate or other high pH or high free-ammonia products.

**WARNING:** When mixing with UAN solutions, add one gallon of water for every one gallon of UAN solution and blend well before adding BRANDT REACTION S DS to insure complete and thorough mixing.

**Mixing:** Dissolve the recommended amount of BRANDT REACTION S DS into approximately one half the required water. Slowly add the remaining water while maintaining

constant agitation. Water quality and temperature will determine maximum solubility. Warmer water temperatures increase solubility and shorten dissolving time. As this product goes into solution, the water temperature will drop. Therefore it is important when preparing concentrated solutions to allow for this temperature drop to insure that the fertilizer is completely dissolved.

## Rate Recommendations

Dissolve 1-12 pounds in sufficient water to treat one acre. Apply the following rates to the soil if you do not have a soil or leaf analysis:

Slight sulfur deficiency .....	1-4 lbs/A
Moderate sulfur deficiency .....	4-8 lbs/A
Severe sulfur deficiency .....	8-12 lbs/A

After initial application, monitor petiole sulfur levels and repeat application as needed.

Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rains are 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. Check with your local Cooperative Extension Agency to obtain specific information on local turf best management practices.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm> 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 below.

**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.

**Net Weight: 25 lb / 11.3 kg**  
27035BRN025R                      2016-03 (GHS)  
LOT #

**BRANDT®**

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