

## SPECIMEN LABEL

# Asset®

### PROPRIETARY FERTILIZER ADDITIVE

#### GUARANTEED ANALYSIS

Total Magnesium (Mg).....2.00%  
2.00% Water Soluble Magnesium (Mg)  
Plant Nutrients derived from magnesium ammonium carboxylates.

#### KEEP OUT OF REACH OF CHILDREN

### WARNING

#### CONTAINS AMMONIA

CONTENTS ARE UNDER PRESSURE. USE CAUTION WHEN OPENING. WEAR GOGGLES AND GLOVES WHEN HANDLING.

See Inside Panel for Additional Precautionary Statements.

SN 0992S/1198H NET CONTENTS:  
WEIGHT PER GALLON: 9.2 lbs. (4.17 kg) NET WEIGHT:

#### F224

MANUFACTURED BY  
HELENA CHEMICAL COMPANY  
225 SCHILLING BOULEVARD, SUITE 300  
COLLIERVILLE, TN 38017

### WARNING

#### CONTAINS AMMONIA

Contents May Be Under Pressure

Use Caution When Opening

Wear Goggles and Gloves When Handling

Harmful if inhaled or absorbed through skin. Causes eye and skin irritation. Avoid breathing fumes. Avoid contact with eyes, skin and clothing. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

#### WHAT TO DO IN CASE OF CONTACT:

**If inhaled:** Move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**If swallowed:** Give a large amount of water to drink if conscious. Do not give anything by mouth to an unconscious person. Call a physician.

**If in eyes:** Immediately flush eyes with clean water for at least 15 minutes. Call a physician.

**If on skin:** Immediately flush skin with clean water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Thoroughly clean shoes before reuse.

#### STORAGE AND DISPOSAL

**STORAGE:** Store in original containers only. Keep containers tightly closed. Store in a cool, dry, well ventilated place, preferably in a locked storage area.

**PRODUCT DISPOSAL:** If possible, dispose of excess product by use according to label directions. Contact your State Environmental Agency or the Hazardous Waste representative at your EPA Regional Office for guidance on other approved practices.

**CONTAINER DISPOSAL:** Do not reuse container for other purposes. Triple rinse container, then offer for recycling or reconditioning, or puncture and dispose of according to state and local authorities.

For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

### WARNING

If this product is used with anhydrous ammonia, user must follow all safe handling practices for anhydrous ammonia including, but not limited to, protective equipment, materials of construction and procedures employed.

#### GENERAL INFORMATION

ASSET® is a product which improves crop production when used with anhydrous ammonia and other nitrogen-based fertilizers. ASSET® should be mixed with liquid anhydrous ammonia and nitrogen-based fertilizers prior to application. This fertilizer is intended as a supplement to a regular fertilizer program and may not, by itself, provide all of the nutrients normally required by crops or other intended plants.

#### DIRECTIONS FOR USE WITH NITROGEN-BASED LIQUID AND DRY GRANULAR FERTILIZERS

**Disclaimer:** Always refer to the label on the product before using Helena or any other product.

ASSET® is not readily soluble in nitrogen-based fertilizers. Thus, a few simple procedures must be followed in using this product to avoid problems in handling and to obtain optimum results.

To ensure a good uniform mixture of ASSET® and nitrogen-based liquid fertilizers, the following steps should be followed: 1) After deciding the required amount of ASSET®, pre-mix two (2) times an amount of water with the required amount of ASSET®. 2) Put the mixture into the spray tank and fill with the nitrogen-based fertilizer.

**NEVER ADD UNDILUTED ASSET® INTO AN EMPTY SPRAY TANK.** ASSET® can be added directly to the nitrogen-based liquid fertilizer IF AGITATION IS PROVIDED. Do not allow to stand without agitation as separation will occur.

#### USE RECOMMENDATIONS:

ASSET® is compatible with most liquid fertilizer/herbicide spray mixes at manufacturer's specified label rates. However, it is recommended that a "jar test" be performed prior to the actual application. In the event of fertilizer/herbicide compatibility problems, the addition of a stabilizing/compatibility agent, such as BLENDX, is recommended. Best results are obtained when ASSET® is incorporated or injected in a zone or band in the soil with the fertilizer component at a minimum depth of two (2) to four (4) inches. The recommendations for the use of this product are based upon the best current information available.

#### DOSAGE RECOMMENDATIONS:

To determine the proper amount of ASSET® to add to the fertilizer, multiply the recommended dosage rates below by the number of acres one ton of fertilizer will cover.

**Row or Band and Injection Applications:** Use ASSET® at the rate of five (5) to six (6) ounces per acre.

**Broadcast Applications:** Use ASSET® at the rate of ten (10) to eleven (11) ounces per acre.

#### DRY GRANULAR FERTILIZER

ASSET® may be impregnated on most dry ammonia fertilizers or dry fertilizer blends that are composed of at least 50% of a combination of urea, nitrate or ammonium phosphate. Uniform application in the field is necessary to ensure optimum results.

#### USE AND DOSAGE RECOMMENDATIONS:

To ensure uniform coverage of the dry ammonia fertilizer during the ASSET® impregnation process, use a closed rotary drum mixer equipped with suitable internal spraying equipment, OR, uniformly apply the ASSET® to the granular fertilizer as it enters the fertilizer blending drum. If necessary, dilute the proper amount of ASSET® (see dosage recommendations above) with water to produce an adequate amount of solution to uniformly treat/impregnate the dry granular fertilizer.

For fertilizer application rates suitable for your geographical area or the maximum allowable non-nutrient application rates per acre, consult a trained soil specialist or your local Helena Chemical Company representative.

#### MIXING WITH ANHYDROUS AMMONIA

ASSET® is readily soluble in liquid anhydrous ammonia. It is not soluble in ammonia vapor. Some liquid ammonia is required to keep the ASSET® in solution. Carefully meter ASSET® into the anhydrous ammonia nurse tank or applicator tank by pumping it through an accurate, calibrated metering device into the liquid ammonia, either after filling or as the tank is being filled. Use a positive flow system or check valves, where appropriate, to prevent one product from entering the delivery tank of the other, introducing both products simultaneously into the nurse tank or applicator tank automatically provides the mixing required for a uniform, homogeneous solution.

#### DIRECTIONS FOR USE WITH ANHYDROUS AMMONIA

Meter 0.45 gallons (3.6 pints or 4.2 lbs.) of ASSET® into each ton of liquid ammonia. (This is equivalent to 3.2 quarts of ASSET® per 3589 lbs. of anhydrous ammonia, or 80 lbs. of ASSET® per 34,000 lbs. of ammonia).

When used with anhydrous ammonia add ASSET® at 0.034 ounces per pound of nitrogen applied. This should be based on the total amount of nitrogen applied per crop year. Apply ammonia mixture by injecting into soil in the same way anhydrous ammonia is normally applied. Problems may be encountered in applying the ammonia mixture when flow rates through delivery tubes are low. When injection shanks are closely spaced, and flow rates through the delivery tubes are low, a buildup of solid material can occur in the delivery tubes or between the metering device and the injection shanks. Plugging can occur under these circumstances. To avoid or minimize this problem observe the following:

1. Install a pressure gauge (0-60 psi) in the manifold. If delivery tube pressure is below 18 to 20 psi during application, buildup will likely occur. A rise in manifold pressure during application will give the operator an indication that a buildup problem is starting.
2. The meter should be set to deliver 5 to 8 lbs. more nitrogen per acre than normal setting with straight ammonia. ASSET® apparently reduces flow through the meter, making calibration low.
3. Observe the following minimum application rates of nitrogen per acre:

Knife Spacing	Pounds of Nitrogen Delivered at Tractor Speed, MPH
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Inches	4	5	6	7	8
40	120	100	80	65	60
30	160	130	110	100	95
20	240	195	160	135	125

4. Make sure injection equipment adds the correct amount of **ASSET®** to the nurse tank. Too much can result in plugging occurring at higher application rates than usual.

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### EQUIPMENT

The equipment used to inject **ASSET®** into anhydrous ammonia must be appropriate for anhydrous ammonia service. No brass, copper or galvanized pipe or fittings should be used. Only hose, valves and fittings approved for anhydrous ammonia service can be used.

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### CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

**Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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