

# RGS<sup>®</sup> 15-0-0

## GUARANTEED ANALYSIS

Total Nitrogen (N).....	15.0%
% Ammoniacal Nitrogen.....	15.0%
Zinc (Zn).....	17.0%
Derived from ammonia, acetic Acid, and zinc oxide.	

## PROPERTIES

Specific Gravity .....	1.268
Weight per gallon .....	10.58
Gallons per ton .....	189
pH.....	11.0-11.5

## GENERAL INFORMATION

RGS is designed for use in anhydrous ammonia and liquid or dry fertilizers containing nitrogen as an aid in crop production. RGS is not designed for water solutions.

## DIRECTIONS FOR USE

### Anhydrous Ammonia:

Note: RGS can be applied in anhydrous ammonia as effectively as other acetate products. Use with caution because as with all acetate products, there is a potential for plugging to occur in the application equipment.

Meter 72 ounces of RGS into each ton of liquid anhydrous ammonia. This should result in a 0.05% Zn solution or about 1 lb. Zn per ton. Apply anhydrous ammonia as normal ensuring adequate flow rates. Low flow rates due to narrowly spaced shanks or very low application rates per acre may result in solid material buildup or plugging. To minimize buildup problem: 1) Install a pressure gauge (0-60 psi) in the manifold. Check the gauge during application - a pressure rise may indicate buildup. Make sure delivery tube pressure is greater than 16-20 psi. 2) Increase ammonia flow meter to deliver 5-8 pounds N per acre more than straight ammonia. 3) Observe the minimum N application rates per in table below.

**Table 1. Minimum pounds of nitrogen to apply and varying knife row spacing and tractor speeds.**

Spacing Inches	Tractor Speed, MPH				
	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 that injection equipment is accurately calibrated to deliver the proper amount of RGS. Excessive rates increase the probability of plugging.

### Liquid and Dry Fertilizer:

Application method	Fluid Ounces per acre
Band	5
Broadcast	10

## MIXING INSTRUCTIONS

Contains ammonia. Contents may be under pressure Use caution when opening. Keep container closed when not in use. Loss of ammonia may cause product to solidify.

### Anhydrous ammonia:

RGS is readily soluble in liquid anhydrous ammonia (not in the vapor). Accurately meter RGS through a calibrated device into nurse tank or applicator. Use a positive flow system with check valve protection to prevent cross contamination.

### Dry fertilizer:

RGS can be impregnated into dry granular fertilizers that are at least 50% urea, ammonium nitrate, or ammonium phosphate. Impregnate immediately prior to application. Dilute desired amount of RGS into one (1) gallon of liquid per ton of dry blended fertilizer and apply to granular fertilizer in the blender or onto the fertilizer as it is entering the blender drum.

### Liquid fertilizer:

For best results mix as follows: Partially fill tank with fertilizer and start agitation. Add RGS to circulating tank mix. When mixing into 32-0-0 UAN or other fertilizers containing very little water, dilute RGS with an equal amount of water before measuring into tank. Add other pesticides or nutrients if compatible. Fill tank and agitate thoroughly before field application. RGS may not be compatible with high ortho-phosphate or acid fertilizers.

## ATTENTION

Always check compatibility with other products prior to use. Since weather, crops, soil and other conditions may vary, Nutra-Flo Company and/or the Seller make no warranty of any kind, expressed or implied concerning the use of this product. The user assumes all risk of use and handling whether or not in accordance with directions or suggestions.

**WARNING:** Keep out of reach of children, harmful if swallowed, avoid contact with skin, eyes, or clothing. Contains ammonia. Contents may be under pressure. Use caution when opening. Avoid inhalation of mists or vapors.

**Personal protection:** Use rubber gloves and chemical safety goggles when handling this product.

**NFPA Hazard of 2,0,1**

Conditions to avoid: Excessive heat

**Materials to avoid:** Acids and strong oxidizers.

**Materials of Decomposition:** ammonia, oxides of zinc and nitrogen, unknown materials of partial combustion/decomposition.

**Store:** Keep material in a cool, dry, well ventilated area. Keep containers closed and do not allow to freeze. Containers may build up a slight pressure. Keep away from children.

**Fire:** Material will not burn as formulated.

**In Case of Spill or Leak:** Contain spill and ventilate area. Absorb with clay, vermiculite, chemical boom, or pad. If clay is used, material may be applied as a fertilizer. If booms or pads are used, dispose of material in accordance with local, state, and federal regulations. Respiratory protection may be required for cleanup of large spills.

## ROUTES OF EXPOSURE & FIRST AID

**Eyes:** May cause severe irritation or corneal damage. Immediately flush eyes with large quantity of water for 15-30 minutes. Get medical attention immediately.

**Skin:** May cause moderate skin irritation, redness, or burning sensation. May aggravate pre-existing skin conditions. Wash skin with soap and water for 15-30 minutes. Get medical attention if symptoms persist. Wash contaminated clothing before reuse. See doctor if redness persists.

**Inhalation:** Vapor or mist inhalation may cause temporary bronchitis, pharyngitis, or edema. Move person to fresh air and get medical attention if breathing is difficult. Pre-existing respiratory disorders may be aggravated.

**Ingestion:** May cause corrosion to the esophagus and stomach. Have fluids ready and call poison control or get immediate medical attention. Do not induce vomiting!

Manufactured by:

**Nulex<sup>®</sup>, Inc.**

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