



RGS Root Growth Stimulator

GUARANTEED ANALYSIS

Total Nitrogen (N) 14.0%
 14% Ammoniacal Nitrogen
 Zinc (Zn) 17.0%
 Derived from: Ammonia, Acetic Acid, and Zinc Oxide.

PROPERTIES

Weight per Gallon (pounds at 68°F) 10.6
 Equilibrium Temperature < 0°F



GENERAL INFORMATION

Follow directions on this label or use in accordance with recommendations of a qualified individual or institution or according to an approved nutrient management plan.

MicroSolutions RGS is designed for use in anhydrous ammonia and liquid or dry fertilizers containing nitrogen as an aid in crop production.

MicroSolutions RGS can be applied in anhydrous ammonia as effectively as other acetate products.

MicroSolutions RGS may be banded with starter fertilizers.

MicroSolutions RGS is not designed for water solutions.

RGS may not be compatible with high ortho-phosphate or acid fertilizers.

Always test for compatibility with specific fertilizers and agricultural chemicals.

DIRECTIONS FOR USE

Anhydrous Ammonia

Meter 72 fluid ounces of MicroSolutions RGS per ton of liquid anhydrous ammonia. This results in a 0.05% zinc solution or about 1 pound zinc per ton.

Apply anhydrous ammonia as normal ensuring adequate flow rates.

As with all acetate products, there is a potential for plugging to occur in the application equipment.

Low flow rates due to narrowly spaced shanks or very low application rates may result in solid material buildup or plugging.

To minimize solid material buildup and plugging:

1. Install a pressure gauge (0 to 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 to 20 psi.
2. Adjust ammonia flow meter to deliver 5 to 8 pounds more N per acre than for straight ammonia.
3. Observe the minimum nitrogen application rates per acre in Table 1.
4. Make sure that injection equipment is accurately calibrated to deliver the proper amount of RGS. Excessive rates increase the probability of plugging.

TABLE 1. Minimum pounds of nitrogen to apply at varying knife row spacings and tractor speeds.

Spacing (inches)	Tractor Speed (mph)				
	4	5	6	7	8
40	120	100	80	66	60
30	160	130	110	100	95
20	240	195	160	135	125

TABLE 2. RGS rates for liquid and dry fertilizers.

Application Method	Fluid Ounces RGS per Acre
Band	5
Broadcast	10

Mixing Instructions

Anhydrous Ammonia: MicroSolutions RGS is readily soluble in liquid anhydrous ammonia (not in the vapor).

Accurately meter MicroSolutions RGS through a calibrated device into a nurse tank or applicator.

Use a positive flow system with check valve protection to prevent cross contamination.

Dry Fertilizer: MicroSolutions 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 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:

1. Partially fill tank with fertilizer and start agitation.
2. Add MicroSolutions 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.)
3. Add other pesticides or nutrients if compatible.
4. Fill tank and agitate thoroughly before field application.

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



Warning

Hazard Statement

Harmful if swallowed. May cause skin and eye irritation.

Precautionary Statement

Wear protective gloves and clothing. Do not breathe mists/vapors. Seek medical attention if you feel unwell. Wash thoroughly after handling. If swallowed: seek medical attention if unwell. Remove contaminated clothing and wash before reuse. If in eyes or on skin: Rinse area with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye or skin irritation persists: seek medical attention.

First Aid Measures

INHALATION: Remove person to fresh air and keep comfortable for breathing. If feeling unwell: seek medical attention.

EYES: Hold eyelids open and flush with a steady stream of water for 15-20 minutes. If irritation persists: seek medical attention.

SKIN: Wash affected area with soap and water. Irritation persists: seek medical attention. Remove contaminated clothing, wash before reuse.

INGESTION: Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Seek medical attention if unwell.

Emergency Phone: Chemtrec 1-800-424-9300 (24 hours a day)

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

- Bulk Shipment
- Jug: 2.5 U.S. Gallons (9.46 Litres)
Net Weight: 26.5 Pounds (12.0 kg)
- Box: 2 x 2.5 U.S. Gallons (2 x 9.46 Litres)
Net Weight: 53.0 Pounds (24.0 kg)
- Total: Net Contents: _____
Net Weight: _____

Manufactured by

NUTRA-FLO® COMPANY

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MADE IN USA