



- Seaweed Supplements
- Soil Conditioners
- Soil Remediation**
- Specialty NPK Blends
- Micronutrients
- Soil Moisture Management
- Combination Products
- Pond & Lake Management

### Benefits of Use:

- Reduces soil pH
- Reduces bicarbonate and sodium levels
- Helps improve micronutrient availability
- Excellent source of nitrogen and sulfur
- Reduces isolated dry spots caused by bicarbonate and sodium build-up
- Improves water and air penetration
- More even and deeper turf color

### Problems Addressed:

- Bicarbonate and sodium toxicity
- Isolated dry spots
- Poor water penetration
- Poor fertilizer, particularly micronutrient performance

### Guaranteed Analysis:

Total Nitrogen (N).....12.00%  
 12.00% Ammoniacal Nitrogen (N)  
 Combined Sulfur (S).....26.00%

### Derived From:

Ammonium Thiosulfate.

### Physical Characteristics:

11.0 lbs./gal. (1.32 lbs. N/gal. and 2.86 lbs. S/gal.); pH 6.5 - 8.5

### Container Sizes & Model Numbers:

2.5 Gallon Jug            Model #57060  
 30 Gallon Drum        Model #57061  
 275 Gallon Tote        Model #57062



Photo courtesy of Spectrum Technologies, Inc.

Nutralyz is a premium grade, clear liquid ammonium thiosulfate, which provides an excellent source of both nitrogen and sulfur. As soil microorganisms break down Nutralyz to release the nitrogen, the sulfur is converted into sulfuric acid. This release of sulfuric acid reduces the pH of alkaline soils. As pH is reduced, micronutrients become more available for plant uptake. Additionally, sulfuric acid will also break down bicarbonates and allow sodium to be flushed from the soil. Sulfur is widely recognized as an essential element for plant growth. It is a critical nutrient for the development of chlorophyll, helps nitrogen to be used more efficiently, and is required by the plants to synthesize certain vitamins and amino acids. It has also been documented to help reduce certain diseases in turf. When used with a proper NPK program, sulfur can help progress the decomposition of thatch, stimulate microbial activity, enhance turf color and density, increase drought tolerance and improve winter hardiness.

### Application Instructions:

Nutralyz may be applied through fertigation or conventional spray. It may be applied alone or tank mixed with other products.

**Corrective Application:** Apply 13 oz. diluted in 2 gallons of water per 1,000 sq. ft. (4.3 gallons diluted in 80 gallons of water per acre) once per week for 3 consecutive weeks. Promptly water this application into the soil. Repeat every two months as needed.

**Preventative Application:** Apply 13 oz. per 1,000 sq. ft. diluted in 2 gallons of water (4.3 gallons diluted in 80 gallons of water per acre) every 4 to 6 weeks. Promptly water this application into the soil.

**Fertility:** Nutralyz may also be used a part of a regular nitrogen fertility program. Refer to the table below to determine the volume of Nutralyz to apply to achieve the desired amount of nitrogen.

Desired lbs. of N	Fl. oz. per 1,000 sq. ft.*	Gallons per acre**
0.10	9.7	3.3
0.125	12.1	4.1
0.134	13.0	4.4
0.25	24.2	8.2

\*Apply in 2 gal. of water per 1,000 sq. ft. \*\*Apply in 80 gal. of water per acre.

### Compatibility:

Perform a standard "jar test" to check compatibility with other products before mixing.

### Mixing Instructions:

1. Partially fill the tank with water and start agitation
2. Slowly add products to the circulating mix one at a time
3. Fill the tank to the desired level and continue to agitate thoroughly

### Handling and Storage:

Store between 40°-120° F. Avoid direct heat or fire. Decomposition may occur at high temperatures. Avoid freezing. Keep out of reach of children. Refer to product SDS for additional safety instructions.