

# ATSW

## 11-0-0-24S

### Ammonium Thiosulfate

### TECH SHEET

#### GUARANTEED ANALYSIS

Total Nitrogen.....	11%
Ammonical Nitrogen.....	100%
Total Sulfur (S).....	24%
Derived from Ammonium Thiosulfate	
Weight per gallon.....	10.79
Gallons per ton.....	185.30

#### **MANUFACTURED BY**

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#### PRODUCT INFORMATION:

Kugler ATSWW is a neutral to slightly basic, clear liquid solution, containing 11% nitrogen and 24% sulfur. Each gallon of Kugler ATSW contains 1.19 lbs. of nitrogen and 2.58 lbs. of sulfur. Kugler ATSW is compatible with most liquid fertilizer materials including neutral to slightly basic N-P-K blends.

The advantage of Kugler ATSW over other sulfur sources is that ATSW provides the growing plant with a sulfur source over a longer period of time. It does this by providing equal amounts of sulfate sulfur as well as elemental sulfur.

The sulfate sulfur is immediately available for plant uptake, whereas the elemental sulfur must undergo oxidation before it can be absorbed by plants.

Kugler ATSW helps supply the plant's sulfur needs quicker than other sulfur forms.

#### DIRECTIONS FOR USE:

##### Soil Applied

Row and Vegetable crops - apply up to 3 gal/ac in a starter fertilizer band placed at least 2 inches to the side and 2 inches below the seed row. **Do not apply Kugler ATSW with the seed as germination problems can occur.**

If side dressing Kugler ATSW with injection equipment, rates of 6 to 12 gal/ac may be used at no closer than 12 inches to the seed row.

#### Fertigation

Sprinkler Irrigation - Apply 1 to 5 gallons of Kugler ATSW with the irrigation water. ATSW may be mixed with nitrogen solutions and applied as needed during the growing season. Make sure and apply with enough water to lessen chance of foliar burn.

#### Topdressing

Small Grains - Kugler ATSW may be mixed with nitrogen solutions and applied as a top-dress to small grains. Application should be done prior to jointing. (Feekes Growth Stage 5).

Alfalfa - Apply up to 15 gallons per acre with a ground sprayer right after cutting before re-growth is present or anytime the alfalfa is dormant.

**CAUTION: KEEP OUT OF REACH OF CHILDREN.** Do not get in eyes, on skin or on clothing. Wear goggles, face shield, or safety glasses and rubber gloves when handling. If eye exposure occurs get medical attention immediately. Harmful if swallowed. Avoid breathing vapor. Protect from freezing. Read entire label before using. Wash contaminated clothing before reuse.

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

**IF IN EYES:** Flush eyes with water for 15 minutes, holding eyelids open. Obtain medical attention if irritation develops.

**IF ON SKIN:** Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

**IF SWALLOWED:** Drink large volumes of water and induce vomiting by placing finger at back of throat. Call a physician or poison control center.

**IF INHALED:** Move to fresh air. Obtain medical attention if irritation develops. If contact is made with spray solution containing pesticide(s), follow the "**Statement of Practical Treatment/First Aid**" the pesticide(s) label.

#### CONDITIONS OF SALE

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose on this label when used in accordance with directions under normal conditions of use; but neither this warranty or any other warranty of merchantability of fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.