

UAN

General Information

AGROTAIN ADVANCED 1.0 nitrogen stabilizer is designed to protect urea-based fertilizers from ammonia volatilization and may be used on any crop that requires nitrogen fertilization, including row crops, specialty crops, forages, sod, turfgrass, ornamentals and other landscape and nursery plantings. This product is recommended for surface, shallow-placed, shallow-banded or shallow-incorporated (less than two inches) application of urea and urea-containing fertilizers such as pre-plant, pre-emergence, sidedress, topdress or other post-planting applications. The benefits of AGROTAIN ADVANCED 1.0 stabilizer as a urease inhibitor are a result of its ability to retard the hydrolysis of urea and control volatilization, preventing ammonia loss while the urea is on the soil surface or less than two inches deep in the soil.

GENERAL PRECAUTIONS AND DIRECTIONS FOR USE

WARNING: Keep out of the reach of children. Pregnant or breastfeeding women must not handle this product. Read the entire label and safety data sheet before use. Use only according to label directions. Always wear proper personal protection when handling the product (long sleeves and long pants, goggles and chemical resistant gloves). Use only with adequate ventilation (large volumes of air movement). If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Do not apply directly to water. Do not contaminate waterways and sewers during cleaning of equipment or disposal of wastes. Always adhere to applicable provisions of federal, state, provincial and local laws and regulations.

Do not use in livestock feed. Keep livestock off treated areas until after 14 days or 1 inch of rainfall has accumulated. Urea and UAN may be toxic to livestock when ingested.

Do not enter treated areas until spray has thoroughly dried.

COMPATIBILITY

Some testing has been conducted to assess the stability and compatibility of AGROTAIN ADVANCED 1.0 nitrogen stabilizer with certain herbicides and adjuvants. Test results show that the rate of the degradation should not preclude the use of this product with most commonly used agricultural herbicides under normal use. Most agricultural chemicals compatible with UAN solutions are also compatible with this product. However, compatibility tests prior to use are recommended. Glyphosate herbicides may cause an increase in the rate of degradation when tank mixed with AGROTAIN ADVANCED 1.0 nitrogen stabilizer. Therefore such mix should be applied soon after mixing to avoid a possible reduction in the effectiveness of the active ingredient.

Limitations, Restrictions, and Exceptions

FOR MIXING WITH UREA-AMMONIUM NITRATE (UAN) SOLUTIONS

Procedure

1. Fill the tank half full with UAN solution.
2. With agitators on, but prior to adding pesticides or surfactants, add the appropriate amount of AGROTAIN ADVANCED 1.0 nitrogen stabilizer for the desired concentration in the full volume.
3. Mix well and then add the remainder of the UAN solution.
4. Use blended UAN solution soon after mixing. Degradation of the active ingredient is known to be impacted by pH and temperature. UAN with a pH greater than 7 tends to increase the storage time; a pH of less than 7 will result in more rapid degradation of the active ingredient. Other additives to the UAN may also result in a more acidic solution, thus reducing the storage time.

Method

[Surface](#)

[Broadcast](#)

[Side-dress application](#)

[Surface](#)

[Broadcast](#)

[Side-dress application](#)

[Surface](#)

[Broadcast](#)

[Side-dress application](#)

Rates

[field_rates 0](#)

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Timings

[Preemergence \(Crop\)](#)

[Preplant](#)

[Postplant](#)