

250 gal
946.35 L



N → BOUND™

NITROGEN STABILIZER



CONTAINS: NON-PLANT FOOD INGREDIENT(S)

Content Analysis:

Soil Amending Ingredients:

Dicyandiamide 28%

Inactive Ingredients:

dimethyl sulfoxide, Benzaldehyde, FD&C dye 72%

Dicyandiamide CAS No: 461-58-5

Dicyandiamide is supplied as a 28% by weight active ingredient solution.

HAZARD STATEMENTS

Causes serious eye damage. Causes skin irritation. May cause respiratory irritation. Possible risk of impaired fertility.

PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye and face protection. Avoid breathing mist, vapours, sprays or gas.

IF IN EYES: Rinse cautiously with water for several minutes. If present and easy to do, remove contact lenses and continue rinsing eyes. Immediately seek medical attention.

IF EXPOSED OR CONCERNED: Get medical advice.

Supplemental label information: Restricted to professional users.

For Chemical Emergency:

Call **CHEMTREC** day or night.

USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-741-5970

(collect calls accepted)

READ THE SAFETY DATA SHEET BEFORE USING THIS PRODUCT. Always read and follow label directions.

**PROTECT FROM FREEZING
NOT A FERTILIZER
SUBSTITUTE**

Manufactured by Eco Agro Resources, LLC.
603-C Eastchester Drive
High Point, NC 27265



NET WT. 2413 lbs. / 1094.5 kg

Patent Pending Application Number: 20150143860

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At 68° F / 20° C the Specific Gravity = 1.16 and the Weight per gallon = 9.65 lb./gal.

DIRECTIONS FOR USE

WARNING

Read the entire label before use. Use according to label directions. Read the entire **Conditions of Sale and Limitation of Warranty** before buying or using this product. Always wear proper personal protection; use Neoprene gloves (Ansell Edmont Neox Number 9-912) or equivalent, long sleeves, long pants, and chemical splash goggles when handling N-BOUND™ nitrogen stabilizer.

GENERAL INFORMATION

N-BOUND™ nitrogen stabilizer with PENXCEL™ technology is a uniquely formulated fertilizer additive for urea, granular ammonium fertilizer, urea ammonium nitrate (UAN) fertilizers and anhydrous ammonia. By slowing the urea conversion process to ammonia gas, less nitrogen is lost due to volatilization. The product inhibits the activity of the urease enzyme reducing nitrogen loss.

This nitrogen stabilizer is combined with urea or urea containing fertilizers prior to application. The combination, recognized as an enhanced efficiency fertilizer, can be incorporated or applied pre-plant, side-dress or used for surface applications. It helps create an efficient nitrogen source for all crops, turf and forestry.

Protect this product from freezing.

USE RATE

N-BOUND™ nitrogen stabilizer is supplied as a 28% by weight active ingredient solution of Dicyandiamide (DCD).

General rate recommendations are based on average conditions that lead to nitrogen loss due to leaching and denitrification. Rates may be adjusted higher as needed based on the expected field conditions, including the following:

- 1) Poorly drained, water logged or heavily compacted soil
- 2) Fields with porous soils, subject to leaching, in areas with excessive water or rainfall
- 3) Fields and crops that benefit from keeping the ammonium form of nitrogen available for a longer time

USE RATE BY FERTILIZER TYPE

FERTILIZER	QTS/TON	L/TONNE	OZ/ACRE	L/ACRE
Urea	2 - 4	2 - 4	-	-
UAN	1.5 - 2.5	1.5 - 2.5	-	-
Anhydrous Ammonia	-	-	36 - 72	1 - 2

UREA/GRANULAR APPLICATION

Ensure operators are wearing proper personnel protection (see above).

Blending area must be well ventilated with large volumes of air exchange. NIOSH/MSHA approved organic/mist respirators may be required if there is insufficient ventilation.

Minimize temperature and humidity extremes when blending. Extremes may result in granular fertilizer urea particles sticking together creating problems with uniform coverage. Small amounts of drying agents may be used as deemed appropriate for local conditions. The use of such products is based upon the blender's experience with such agents.

Equipment Required

A fertilizer blender or other suitable rotary device is suitable for uniform blending of urea or granular ammonium fertilizers and N-BOUND™ nitrogen stabilizer. Ensure that all surfaces of the blender that come into contact with materials are clean, dry and rust-free.

Blending Procedure

Accurately weight all materials in the blend formula.

Add urea or granular fertilizer first to the blender. N-BOUND™ nitrogen stabilizer should be blended with the urea or ammonium fertilizer before introducing any other fertilizer components.

Apply N-BOUND™ nitrogen stabilizer to fertilizer in blender by suitable method and allow sufficient time to produce a uniformly blended product. Dye is added to the product to act as an indicator of uniform blending.

UAN APPLICATION

Ensure operators are wearing proper personnel protection (see above).

Blending procedure

Fill the blend unit half full with UAN solution.

Add N-BOUND™ nitrogen stabilizer at the appropriate rate for the entire load and mix.

Add the remaining UAN solution and mix thoroughly prior to the addition of any surfactants, pesticides or any other materials.

Compatibility

Perform a jar test with any additional products to evaluate compatibility before mixing.

ANHYDROUS AMMONIA APPLICATION

Ensure operators are wearing proper personnel protection for handling anhydrous ammonia.

Tank Blending Procedure

This product is soluble in liquid anhydrous ammonia. It may be pumped into the anhydrous tank through the liquid fill valve before, during, or after loading.

Use a pump and meter to load the appropriate amount of N-BOUND™ nitrogen stabilizer into the tank.

Apply the N-BOUND™ treated anhydrous ammonia to cropland using conventional ammonia application equipment.

Downstream Injection Systems

Equipment is available, generally categorized as downstream injection systems, to permit the introduction of N-BOUND™ into anhydrous near the toolbar without requiring mixing directly into the anhydrous tank.

Follow the equipment manufacturer's instructions for the applying N-BOUND™ nitrogen stabilizer to your field.

GENERAL USE PRECAUTIONS

NOT A FERTILIZER SUBSTITUTE

NOT RECOMMENDED FOR FEED APPLICATION

Observe all precautions on label and read material safety data sheet before use. Do not apply directly to water. Avoid contaminating waterways and sewers during cleaning of equipment, disposal of wastes. Use and disposal of all materials must be in accordance with all applicable provisions of local, state and federal laws and regulations.

INHERENT RISKS OF USE AND LIMITATION OF LIABILITY

Conditions of Sale and Limitation of Warranty

Seller warrants that this product conforms with its specifications and is reasonably fit for the purposes stated on the label when used in accordance with its directions under normal conditions of use. To the extent permitted by applicable law, buyer assumes the risk of any use contrary to such directions. Seller makes no other **expressed** or implied warranty of fitness or merchantability and no agent or reseller is authorized to do so except by Seller in writing with a specific reference to this warranty. To the extent consistent with applicable law, in no event shall Seller's liability for any breach of warranty exceed the purchase price of the material on which claim is made.



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