

UREA

General Information

GENERAL INFORMATION

N-Edge Soil nitrogen stabilizer is a uniquely formulated fertilizer additive for urea and urea ammonium nitrate (UAN) fertilizers.

N-Edge Soil protects nitrogen against below ground losses by delivering DCD, a proven nitrification inhibitor that extends the presence of ammonium and delays its conversion to nitrate. The positive charge of ammonium is held by soil particles, diminishing the potential for nitrate leaching and/or denitrification.

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-Edge Soil 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. Protecting nitrogen at the root zone is especially critical in the following situations:

- 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.

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.

Limitations, Restrictions, and Exceptions

UREA APPLICATION

Ensure operators are wearing proper personal protection.

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 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 and N-Edge Soil nitrogen stabilizer. Ensure that all surfaces of the blender that come into contact with materials are clean, dry and rust-free.

Blending Procedure

- Accurately weigh all materials in the blend formula.
- Add urea first to the blender. N-Edge® Soil nitrogen stabilizer should be blended with the urea before introducing any other fertilizer components.
- Apply N-Edge Soil nitrogen stabilizer to urea 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.

Method

[Surface](#)

[Side dress](#)

[Incorporation](#)

Rates

[field_rates 0](#)

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Timings

[Preplant](#)