

PRESERVE™ -N DF

66-0-0

SOIL NITROGEN STABILIZER



GUARANTEED ANALYSIS

Total Nitrogen (N) 66%
66% Slowly Available Water Soluble Nitrogen*

DERIVED FROM: Dicyandiamide

*66% Slowly available nitrogen from dicyandiamide.

F2186

KEEP OUT OF REACH OF CHILDREN WARNING

See additional precautionary language on back panel.

Easy to handle: A crystalline form which pours easily, resists caking, wets quickly and dissolves in nitrogen solutions with moderate agitation.

PRESERVE-N DF is nonflammable and chemically stable.

PRECAUTIONARY STATEMENTS

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

HAZARD STATEMENTS

May be harmful in contact with skin.
Causes mild skin irritation.
Causes eye irritation.

Prevention:

Wash hands, face and other affected areas thoroughly after handling.

Response:

Call a **POISON CONTROL CENTER** or doctor/physician if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

PRESERVE-N DF is a slowly available nitrogen fertilizer for use as an additive to improve the utilization of nitrogen in fluid fertilizers such as suspensions, urea solutions, urea ammonium nitrates (UAN) and liquid manures.

GENERAL GUIDELINES FOR USE

PRESERVE-N DF is a slowly available nitrogen fertilizer (66% N), designed to be added to nitrogen solutions, granular or prilled fertilizer and animal waste.

PRESERVE-N DF should be mixed with nitrogen solutions and broadcast or banded with late fall applications or applied preplant for spring seeded crops.

PRESERVE-N DF can also be applied with early topdress or early sidedress applications of nitrogen solutions.

PRESERVE-N DF is recommended for use in light, sandy soils where losses of nitrogen occur due to leaching; and, in heavy, wet soils where losses are due to denitrification.

MIXING INSTRUCTIONS

Fill application tank one-half full with nitrogen fertilizer solution or liquid manure. Add the proper amount of *PRESERVE-N DF*, using agitation to distribute, and continue filling the tank. *It is important that *PRESERVE-N DF* is dispersed for proper distribution throughout the field when applied. Moderate agitation is recommended especially in cold temperatures. Nitrogen solutions left standing for long periods of time in cold temperatures after the addition of *PRESERVE-N DF* should be agitated before application. If adding other chemicals to *PRESERVE-N DF* and nitrogen fertilizer mixtures, always test for chemical compatibility before large scale mixing. To test for compatibility, add two tablespoons of *PRESERVE-N DF* to one-half quart of fertilizer solution in a one quart container. This mixture equals 2.5 pounds of *PRESERVE-N DF* per 10 gallons of fertilizer. Adjust rates accordingly, depending on your specific rate of application. Stir or shake well for several minutes until particles dissolve.

PRESERVE-N DF should dissolve and leave a clear solution (similar to the fertilizer solution without *PRESERVE-N DF*). Add the other chemicals intended for use to this mixture at the rate recommended by the suppliers for compatibility testing. Also, mix the other chemicals with the fertilizer in a second container, without *PRESERVE-N DF*, to compare to the mixture containing *PRESERVE-N DF*. This procedure will determine if a compatibility problem is present and which chemical is causing the problem.

* *PRESERVE-N DF* dissolves in nitrogen solutions best with fairly rapid agitation. If re-circulation is your agitation method, be sure in-line screens are located beyond the by-pass. Cold nitrogen solutions in early spring or late fall will require a longer agitation period for *PRESERVE-N DF* to dissolve. The time period to dissolve is dependent on the rate of *PRESERVE-N DF*, agitation method and fertilizer temperature.

GRANULAR OR PRILLED NITROGEN FERTILIZER USE INSTRUCTIONS

Blending Instructions - *PRESERVE-N DF* may be applied to granular or prilled nitrogen fertilizers in batch or continuous flow systems. Nitrogen granules or prills must be sprayed with proper amounts of liquid and mixed to ensure uniform wetness prior to the addition of *PRESERVE-N DF*. Water, liquid micronutrients, secondary nutrients or pesticides are recommended liquid sources. Use one to four quarts of liquid per ton of granules or prills. Under conditions of high humidity, use the lower liquid rates. Mixing time following the additions of *PRESERVE-N DF* will vary depending on the equipment.

SUGGESTED RATES OF APPLICATION

Band applied or soil injected: Add 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Follow proper mixing instructions listed on label.

Liquid Manure - when knife injected in late fall, add five pounds of *PRESERVE-N DF* per acre.

Broadcast applied: Add 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Follow proper mixing instructions listed on label.

Liquid Manure - when broadcasting liquid manure or injecting into soil, add 1-3 lb per acre of *PRESERVE-N DF*.

The stated rates of application are designed for effectiveness over a broad range of soil and environmental conditions. Rates lower than indicated above may also provide effectiveness in given soil and environmental conditions. Trial use only at lower than labeled rate is recommended.

NET WEIGHT: 50 lb (22.7 kg)



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SPECIFIC USE RECOMMENDATION GUIDE

CORN, SORGHUM

BROADCAST APPLICATION: Apply 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Make sure to have proper agitation in your tank while adding *PRESERVE-N DF*. Follow proper mixing instructions listed on label.

Use the higher recommended rates on light, sandy soils, and for late fall applications.

BAND/ SIDEDRESS APPLICATION: Add 1 pound of *PRESERVE-N DF* per 10 gallons of UAN nitrogen fertilizer solution. Follow proper mixing instructions listed on label.

Use only with early postplant sidedress applications. **DO NOT** apply *PRESERVE-N DF* after 4-6 leaf stage (V4-V6).

DO NOT apply *PRESERVE-N DF* with less than 20 pounds of nitrogen per acre per application.

WHEAT

BROADCAST APPLICATION: Apply 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Make sure to have proper agitation in your tank while adding *PRESERVE-N DF*. Follow proper mixing instructions listed on label.

Apply in the late fall or before planting in the spring.

Apply in the spring as early topdress on winter wheat, or as postplant, preemerge on spring wheat.

For best winter wheat topdress response, *PRESERVE-N DF* should be applied with a nitrogen solution containing both ammoniacal and nitrate forms, prior to the onset of tillering.

For best response, apply *PRESERVE-N DF* with at least 80 percent of the total nitrogen to be applied.

DO NOT use *PRESERVE-N DF* with less than 30 pounds of nitrogen per acre per application.

BAND/ SIDEDRESS APPLICATION: Add 2-3 pounds of *PRESERVE-N DF* per 10 gallons of nitrogen fertilizer solution, up to a maximum of 5 pounds of *PRESERVE-N DF* per acre.

Apply in the late fall or before planting in the spring.

POTATOES

BROADCAST APPLICATION: Apply 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Make sure to have proper agitation in your tank while adding *PRESERVE-N DF*. Follow proper mixing instructions listed on label.

DO NOT use *PRESERVE-N DF* with less than 40 pounds of nitrogen per acre.

For best response, a preplant application is recommended.

BAND/ SIDEDRESS APPLICATION: Add 2-3 pounds of *PRESERVE-N DF* per 10 gallons of nitrogen fertilizer solution, up to a maximum of 5 pounds of *PRESERVE-N DF* per acre.

DO NOT use *PRESERVE-N DF* with less than 20 pounds of nitrogen per acre per application.

For best response, apply postplant, preemerge. *PRESERVE-N DF* can also be applied postemerge as an early sidedress.

RICE

BROADCAST APPLICATION: Apply 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Make sure to have proper agitation in your tank while adding *PRESERVE-N DF*. Follow proper mixing instructions listed on label.

PRESERVE-N DF should not be used with nitrogen applications of less than 40 pounds.

Apply *PRESERVE-N DF* before planting or at time of planting.

For best results, fields should be flooded within four to five weeks of planting, and remain flooded through the growing season.

In split applications, 80 percent of the total nitrogen should be applied with *PRESERVE-N DF* before planting. The remainder can be applied as a topdress in midseason.

COTTON

BROADCAST APPLICATION: Apply 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Make sure to have proper agitation in your tank while adding *PRESERVE-N DF*. Follow proper mixing instructions listed on label.

Apply *PRESERVE-N DF* at a lower rate for preplant application in spring, and higher rate only for late fall application of nitrogen for spring planting.

LIQUID MANURES

Apply in fall or preplant in spring. When broadcasting liquid manure or injecting into soil, add 1-3 lb per acre of *PRESERVE-N DF*.

Follow proper mixing instructions listed on label.

NON-LEGUME FORAGES/PASTURES

Apply 15-18 pounds of *PRESERVE-N DF* per ton of UAN nitrogen fertilizer solution. Make sure to have proper agitation in your tank while adding *PRESERVE-N DF*. Follow proper mixing instructions listed on label.

Apply to soil before planting to assist in establishment.

Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.htm>

WARRANTY, DISCLAIMER AND LIMITATION OF DAMAGE

INNICTIS CROP CARE, LLC™ warrants only that this product conforms to the product description on the label and is reasonably fit for the purposes stated in the Directions For Use. The Directions for Use of this product are believed to be adequate and must be followed carefully. It is, however, impossible to eliminate all risks associated with this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner or use or application, all of which are beyond the control of INNICTIS CROP CARE, LLC. All such risks must be assumed by the buyer or user. Except as warranted on this label, INNICTIS CROP CARE, LLC makes no representation, warranty or guarantee, whether expressed or implied including, but not limited to, warranty of merchantability, fitness for a particular purpose, or otherwise. No agent or representative of INNICTIS CROP CARE, LLC or the seller of the product is authorized to amend the terms of this Warranty disclaimer or the product's label or to make a representation or recommendation different or inconsistent with the label of this product. To the extent consistent with applicable law, INNICTIS CROP CARE, LLC's maximum liability for breach of its warranty or for use of this product, regardless of the form of action, shall not exceed the purchase price of this product. To the extent permitted by applicable law, INNICTIS CROP CARE, LLC shall not be liable for consequential, special or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages. If the warranty and liability limitations or disclaimer are not acceptable, return the unopened container to the place of purchase for full refund. To the extent not inconsistent with applicable law or the label, the purchase, delivery, acceptance and use of this product by the buyer is subject to the terms and conditions of seller's sales invoice for this product.
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