



ACTIVE INGREDIENT
(Proprietary NBPT Blend)
N-(n-butyl) thiophosphoric triamide (NBPT) delivered as a 45% by weight solution.

GENERAL INFORMATION

FACTOR X2 is a urease inhibitor for use with urea and UAN solution fertilizers. When applied with urea or UAN solutions, **FACTOR X2** inhibits the enzymatic activity of urease. By inhibiting the urease enzyme activity, ammonia losses from volatility are minimized.

FACTOR X2 should be used with any nitrogen product that is urea-based and may be applied in all commercially grown crops and improved grass pastures.

FACTOR X2 may be used when applying urea or UAN solutions for all forms of surface applications, including: Pre-Plant, Pre-Emergence, Side-Dress, Top-Dress or other Post-Plant applications.



DANGER!

HARMFUL IF SWALLOWED

CAUSES SKIN IRRITATION AND SERIOUS EYE DAMAGE
 MAY CAUSE RESPIRATORY IRRITATION, DROWSINESS OR DIZZINESS
 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD
 MAY CAUSE DAMAGE TO RESPIRATORY TRACT OR CENTRAL NERVOUS SYSTEM THROUGH SINGLE OR REPEAT EXPOSURE
 KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Obtain special instruction before use. **Wear protective face and eyewear, clothing and gloves. Do not breathe vapors, mist or spray. Do not eat, drink or smoke when using this product.** If medical advice is needed, have product container or label at hand. Avoid contact with eyes, on skin or clothing. Remove and wash contaminated clothing before reuse. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. If exposed or concerned, get medical advice/attention. Do not handle until all safety precautions have been read and understood. See Safety Data Sheet for further details regarding safe use of this product.

APPLICATION RECOMMENDATIONS

Urea Blending

Use a fertilizer blender with impregnation equipment to uniformly coat the urea particles. Blend **FACTOR X2** with urea, before making a complete blend with other components. If blend appears wet, a drying agent may be added to the urea. *MP 79 is an example of a drying agent.* Add drying agent at 2 pounds per quart of **FACTOR X2** and adjust up or down as desired pending outcome.

Use Rate: 1.84 quarts (59 fl.ozs.) **FACTOR X2**/ton of urea.

UAN Solutions

Fill spray tank half full of UAN and add **FACTOR X2** directly to the UAN solution and agitate. Allow agitation to continue while adding remainder of UAN until thoroughly mixed into a complete solution with **FACTOR X2**.

Use Rate: 1.84 pints (29.5 fl.ozs.) **FACTOR X2**/ton of UAN solution.

NET CONTENTS (GAL): _____
NET WEIGHT: _____

NOTES

(Rates are based on 45% by weight active ingredient solution.)

FACTOR X2 has good compatibility with UAN and pesticides. Not all possible combinations have been tested. A compatibility test is advised if the user has no experience with particular combinations of **FACTOR X2**, UAN and pesticide mixes.

Glyphosate herbicides may cause an increase in the rate of degradation when tank mixed with **FACTOR X2** urease inhibitor. This solution should be applied soon after mixing to avoid a possible reduction in the effectiveness of the active ingredient.

There are no reentry restrictions unless **FACTOR X2** is used with pesticides or fertilizer materials that have such restrictions. Observe all precautions on label and read material safety data sheet before use. Do not apply directly to water. Do not contaminate waterways and sewers during cleaning of equipment or disposal of wastes. Always follow applicable federal, state, and local laws and regulations.

STORAGE & DISPOSAL

Store product locked up, tightly closed in its original container, in a dry and well-ventilated place. Do not store near heat or open flame. Do not reuse container. Do not contaminate water, food or feed by storage or disposal. Store product between 32° and 100°F (0° and 38°C). Avoid long-term storage at high temperatures. Product will degrade if stored at temperatures above 100°F.

Triple rinse (or equivalent) prior to disposal. Add rinsate to spray tank. Offer container for recycling or dispose of properly in accordance with all applicable regulations. If burned, stay out of smoke.

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor if you feel unwell. Rinse mouth. Do not induce vomiting without medical advice. Do not give anything by mouth to an unconscious person. If conscious, keep at rest. Do not give anything to drink. Do not leave victim unattended. Vomiting may occur spontaneously. Risk of product entering lungs on vomiting after ingestion. Lay victim on side. Seek medical advice.

IF IN EYES:

- Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing and immediately call a poison control center or doctor.

IF ON SKIN:

- Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF INHALED:

- Remove to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell. If breathing is difficult, give oxygen. If victim has stopped breathing, administer CPR (cardio-pulmonary resuscitation). Get immediate medical advice/attention.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Acceptance of Terms - By purchase or use of this product, buyer and user accept these conditions of sale and limitations of warranty and liability. If these terms are unacceptable, return the product unopened for a refund.

Warranty Disclaimers - Rosen[®] Inc. and seller (collectively "Vendors") warrant that this product conforms to the chemical description on the label. THIS PRODUCT IS SOLD "AS IS" AND VENDORS MAKE NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

Inherent Risks - The directions for use must be followed carefully. It is impossible to eliminate all risks associated with this product. Crop injury, ineffectiveness, or other unintended consequences may result due to factors beyond the control of Vendors. Buyer and user assume all risks associated with the use or handling of this product.

Limitations of Liability - To the extent consistent with applicable law, buyer or user's exclusive remedy for any and all claims, losses, injuries, or damages resulting from the use or handling of this product shall be limited to the purchase price paid, or at the election of Vendors, the replacement of this product. Vendors are not liable for any consequential, incidental, or special damages, including lost profits.

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