



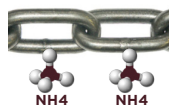
## PREMIUM ABOVE AND BELOW GROUND BIO-FRIENDLY NITROGEN MANAGEMENT SYSTEM

N-GEAR™ DUAL ACTION by Meristem Crop Performance™ gives you flexibility of both above and below ground nitrogen protection. N-GEAR DUAL ACTION is specifically formulated for use in urea and UAN scenarios.

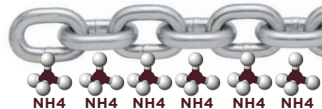
### PRODUCT BENEFITS

- Dual Action Protection
  - Up to three weeks of above-ground protection from volatilization
  - Reduces nitrogen loss below ground
- Micro-Chain Technology

#### OLD POLYMER



#### MICRO-CHAIN TECHNOLOGY



- Increases nitrogen efficiency, availability and uptake
- Formulated to help build soil biological activity
- Non-toxic with no detrimental effects on soil bacteria and non-corrosive to equipment
- Specifically formulated for urea and UAN, and can be used with multiple fertilizer sources

N-GEAR DUAL ACTION is intended to be used as a management tool to improve nitrogen availability and uptake as an additive to a regular fertilizer program. N-GEAR DUAL ACTION is not intended to provide the nutrients normally required by agricultural crops.

### PRODUCT AVAILABILITY

N-GEAR is available in 2x2.5 gal packaging, 250 gal totes and bulk tankers.

### INGREDIENTS

NBPT (N-(n-butyl)-thiophosphoric triamide)	
Solution (CAS No. 94317-64-3)	20.0%
Propylene Glycol, 1-methyl-2-pyrrolidone and copolymer surfactant	80.0%
Total	100.0%

#### ALSO CONTAINS NON PLANT FOOD INGREDIENTS:

Carboxylic and Organic Acids

### RECOMMENDED USE RATE & APPLICATION INSTRUCTIONS

#### SUGGESTED USE RATES

**Urea (46-0-0):** 2-3 quarts per ton of urea

**UAN Solutions (28-32%):** 1.5 quarts per ton of total solution

**Liquid Manure:** 13.5-18 oz per acre

#### DIRECTIONS FOR USE

**Urea Blending:** N-GEAR DUAL ACTION may be used to treat urea prior to application in the field—including pre-treatment. Under certain temperature and humidity conditions, urea blended with N-GEAR DUAL ACTION may stick together. Application of urea to the field is recommended soon after treatment for best results.

**UAN Solutions:** N-GEAR DUAL ACTION may be mixed with liquid fertilizers such as aqua ammonia or other liquid ammoniacal or urea nitrogen fertilizers. Liquid fertilizers containing high levels of phosphate should not be used with N-GEAR DUAL ACTION. If pesticides are added to the tank mix in conjunction with liquid fertilizers, a compatibility jar test should be performed prior to large scale application to the field.

**Liquid Manure:** N-GEAR DUAL ACTION may be mixed with liquid animal manures. N-GEAR DUAL ACTION may be applied to slurry pit or through an injection system as material is loaded into applicator.

Please visit [MeristemAg.com](http://MeristemAg.com) for more information.

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