



# X-TEND®

Enhancing Nature's Science

## Product Characteristics

Total Nitrogen (N).....6.0%  
 6.0% Urea Nitrogen  
 Available Phosphate (P<sub>2</sub>O<sub>5</sub>).....2.0%

**Derived From:**

Urea, Phosphoric Acid.

**Physical Properties:**

Form: Liquid  
 Appearance: Hazy brown, having no characteristic odor.  
 Weight: 8.68 lb/gal, 1.05 kg/L  
 pH: 8.0–9.0

**Caution:**

**Keep out of reach of children.**  
**Harmful if swallowed.**  
**The liquid and mists may be irritating to the eyes and the skin.**

**Storage and Disposal:**

Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations. Do not store this product below 50°F (10°C) or above 90°F (30°C).

**Conditions of Sale:**

The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, water conditions, and other factors are beyond the control of the seller.

## The Professional Solution for Improving Nutrient Efficiency

Probiotic Solutions® X-TEND® uses our proprietary Micro Carbon Technology®\* to improve the availability of nitrogen and phosphorous to microorganisms in soil and wastewater. X-TEND® can be added to both liquid and granular fertilizers to prevent nutrients from precipitating in wastewater or becoming bound up in the soil, thus improving nutrient source efficiency.

**Benefits of Use:**

- Complexes nutrients for easier microbial uptake
- Encourages microbial growth
- Buffers salts in high alkaline or sodium soils
- Reduces total amount of nutrient needed

**Application Rate:**

- Liquid nitrogen solutions
  - 1 quart per 40 gallons of fertilizer to boost efficiency
  - Reduce the amount of N applied [15%–20% reduction] (to achieve same N levels in facility)
- Dry nitrogen solution (46% N urea)
  - 2 quarts per 2,000 lbs. of urea or other dry blends

**Application Instructions:**

Contents are highly concentrated and must be diluted with water in a ratio of at least 10 parts water to 1 part product prior to application in soil or as concentrate in wastewater applications. See table below for specific rate instructions. SHAKE WELL BEFORE USING.

METHOD OF APPLICATION	SUGGESTED RATE
Liquid fertilizer/nutrient solutions	Up to 1 quart per 40 gallons of liquid, 1 liter per 160 liters of liquid
Dry coated, granular fertilizers	Up to 2 quarts per U.S. ton of granular, 2 liters per metric ton of granular



*\*This Product Contains Micro Carbon Technology®, a proprietary blend of very small organic molecules that allows for more effective absorption of nutrients by microorganisms.*

