



4-16-16

PRODUCT DATA SHEET

GUARANTEED ANALYSIS:

TOTAL NITROGEN (N)	4.0%
3.4% Ammoniacal Nitrogen	
0.6% Urea Nitrogen	
AVAILABLE PHOSPHATE (P ₂ O ₅).....	16.0%
SOLUBLE POTASH (K ₂ O).....	16.0%
Derived from Aqua Ammonia, Urea, Phosphoric Acid and Potassium Hydroxide.	

Weight per gallon: 11.3 lbs. per gallon @ 68°F.

STORE ABOVE 32°F

PRODUCT PROPERTIES

- Specific Gravity 1.36
- Weight/gallon 11.36
- Gallons/ton 176
- pH 7.7
- Appearance Clear, nearly colorless liquid
- Odor No apparent odor and / or mild ammonia odor

GENERAL PRODUCT INFORMATION

PHT 4-16-16 is highly soluble and is readily adsorbed by plant tissue. It can be integrated with multiple micronutrients and crop protectants in a single application that:

- Is a low salt formulation
- 100% orthophosphate
- Provides efficient nutrient delivery
- Improves plant development
- Boosts overall crop vigor

PHT 4-16-16 provides an additional source of nitrogen, phosphate and potassium developed to compliment a complete nutrient management plan as recommend by your crop consultant.

MIXING INSTRUCTIONS

PHT 4-16-16 is compatible with many crop production products. Some non-100% EDTA chelates may not be compatible. Do not mix with antibiotic, sulfate or chloride salts, or spray oils. Always check compatibility with a standard jar test.

- In a small container prior to full scale mixing, proportionally mix all the components to confirm compatibility.
- Thorough mixing of all blends is important.
- Temperature and storage time influences mixing success.
- Mix only the amount that will be immediately used.
- Long-term storage of blends is not recommended.
- Always read and follow crop protectant label directions.

PRODUCT RECOMMENDATIONS

These are general product recommendations. For specific application rates follow the recommendation of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations of an approved nutrient management plan.

PRIMARY APPLICATION - FOLIAR

PHT 4-16-16 is specifically formulated with 100% orthophosphate for foliar applications. The small orthophosphate molecule moves quickly through the plant exterior waxy layer and is immediately available for plant utilization to help improve plant yield, quality, and vigor. When making foliar applications consult with a qualified individual for specific crops and rates until local experience is gained. The following guidelines for foliar use will reduce the possibility of tissue damage:

Apply 1-3 gallons of PHT 4-16-16 diluted with a minimum of 5 gallons of water per acre. Use of a surfactant may enhance leaf coverage and increase nutrient absorption. Use the lowest possible volume for thorough coverage with a small droplet size. **DO NOT** use PHT 4-16-16 when plants are suffering from heat, moisture, or pest stress; during the heat of the day or when temperatures exceed 90°F. Do not spray to run off. Do not allow concentrated spray mist to run on fruit or leaves. Do not apply by air when wind exceeds 5 miles per hour.

Foliar fertilization with primary nutrients will not provide the quantities of nutrients required for normal plant growth. Use only as a supplement to a complete nutrient management plan.

SECONDARY APPLICATION - SOIL

PHT 4-16-16 can also be applied to crops by banding in or near the seed row, surface dribble, strip-till, bed placement, irrigation or by other methods. When PHT 4-16-16 is applied in furrow (directly on the seed) certain crop and rate restrictions apply, consult with a qualified individual for specific crops and rates until local experience is gained. The use of available devices that apply fertilizer away from the seed will increase seed safety and is encouraged. Use extra caution when applying directly on the seed in saline, alkali, or dry, coarse textured soils.

