



NITRAIN 2.0 nitrogen stabilizer is engineered to reduce nitrogen volatilization of urea based fertilizers. NITRAIN 2.0 reduces volatility by inhibiting the activity of the urease enzyme. Urease is a naturally occurring enzyme in the soil responsible for breaking down urea when moisture and organic matter are present. Up to 40% of nitrogen can be lost to volatilization within hours of application.

FEATURES

- Built on a proven and reliable platform of NBPT chemistry
- Utilizes a more concentrated use rate for better handling in cool weather
- Updated formulation provides improved distribution on the urea prill and better treated product handling

GROWER BENEFITS

- Prevents the volatilization of both UAN and Urea fertilizer applications for up to 14 days
- Increases the efficiency and utilization of nitrogen for a more sustainable approach to nitrogen fertilization
- Maximizes yield by decreasing nitrogen losses due to volatilization of surface applied fertilizers containing urea

ACTIVE INGREDIENTS

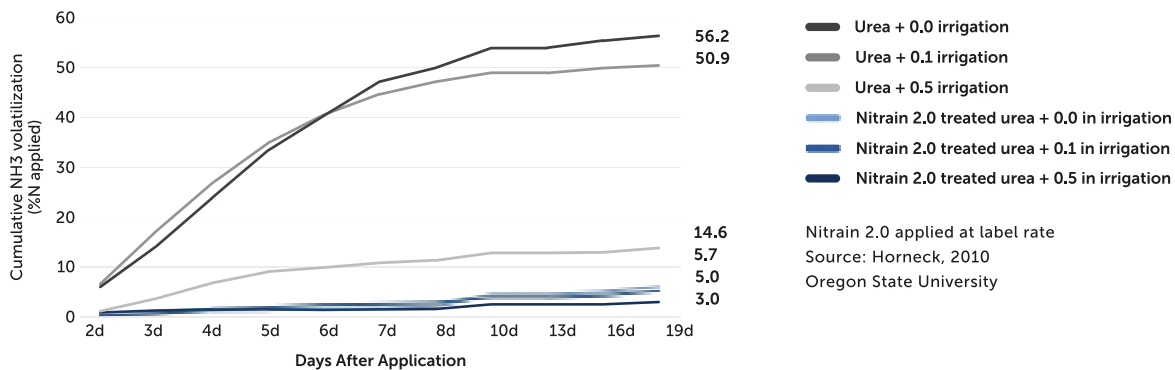
N-(n-butyl) thiophosphoric triamide

RATES

2 qt/ton of Urea; 1 qt/ton of UAN

EFFECT OF IRRIGATION ON AMMONIA VOLATILIZATION

Field study with an average temperature of 45°F and a nitrogen rate of 100 lbs/acre



Nitrain 2.0 applied at label rate
Source: Horneck, 2010
Oregon State University

The underlying data was provided by Oregon State University under Research Trial Financial Support Agreement with Koch Agronomic Services, LLC and neither Oregon State University, nor the individual researchers referenced, endorsed or recommend any product or service.

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