



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

ACTIVE INGREDIENTS

N-(n-butyl) thiophosphoric triamide

APPLICATION RATES

2.1L/tonne Urea, 1.0L/tonne UAN

GROWER BENEFITS

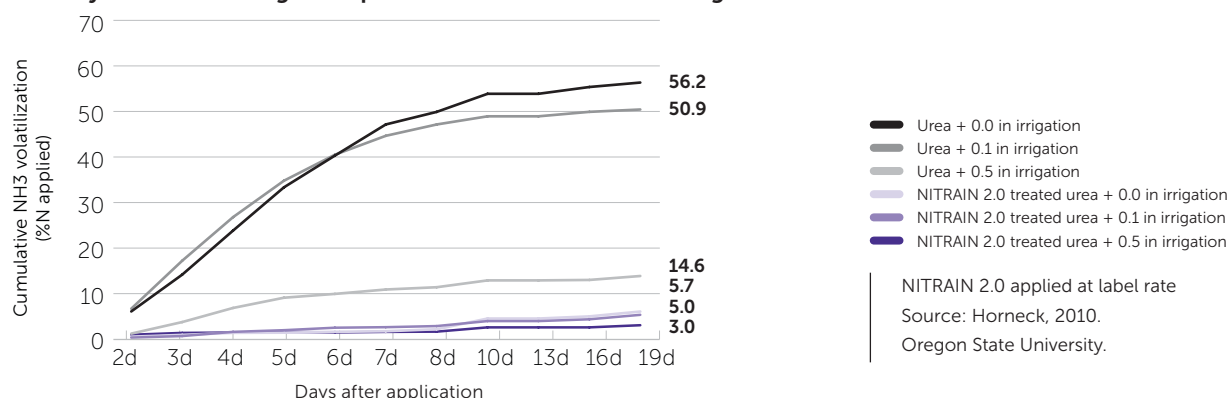
- Prevents the volatilization of both UAN and Urea fertilizer applications for up to 14 days
- Increases the efficiency and utilization of nitrogen for a more sustainable approach to nitrogen fertilization
- Maximizes yield by decreasing nitrogen losses due to volatilization of surface applied fertilizers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

RESULTS*

- +4 bu/A of wheat, the average yield benefit from N-(n-butyl) thiophosphoric triamide (NBPT)
- +6.8% yield increase on canola when fall broadcasting urea with NBPT
- +11.9% yield increase on canola when spring broadcasting urea with NBPT

Effect of Irrigation on Ammonia Volatilization

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



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

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

*Source: Western Canada Trials conducted through Koch Agronomic Services

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

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