

ARVIS

NITROGEN STABILIZER

TIMAC AGRO TECHNOLOGY

Our patented formulas are derived from over 60 years of research and development in plant extract technology. Through precise methods, our extracts are evaluated for their specific effects at each stage of crop development. By enriching selected extracts with macro- and micronutrients, we create bionutritional formulas that meet the ever-changing needs of the crop. Better yield and quality benefit our customers and are the result of improved emergence, vegetative growth, and reproductive performance.

As a company, our mission is to improve agriculture by focusing on four major areas of service to growers:

- Relentless innovation
- Flexible manufacturing
- Optimized applications
- Partners in the field

FEATURES

Arvis combines three common chemical nitrogen stabilizer methods with our proprietary solvent system and patented Rhizovit Complex. NBPT (N-(n-butyl) thiophosphoric triamide), NPPT (N-(n-propyl) thiophosphoric triamide) and DCD (Dicyandiamide) to chemically stabilize N against volatilization, denitrification and leaching.

KEY BENEFITS

- Protection with three different chemical actives that reduces loss from all three main nitrogen pathways
- Solvent system that helps penetrate the prill and reduce oxidation of all actives in the formulation
- Rhizovit Complex to stimulate soil microbes and improve nitrogen use efficiency
- Handles well in cold weather



PACKAGING SIZE

- 2x2.5 gallon case
- 250 gallon tote

APPLICATION

- 1 qt (32 oz)/ 1 ton (2,000 lbs) applied as coating to urea
- 24-32 oz/ 1 ton or ~180 gallons of UAN

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PLANT NUTRITION FERTILIZER ADDITIVE

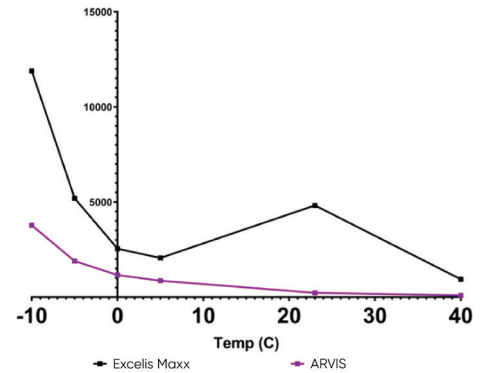
Dual urease inhibitors
NBPT & NPPT for synergy
in reducing ammonia
volatilization

Nitrification inhibitor
DCD to reduce
N losses through
nitrification & leaching

Patented **Rhizovit** complex
to improve soil microbial function
and maximize nitrogen uptake

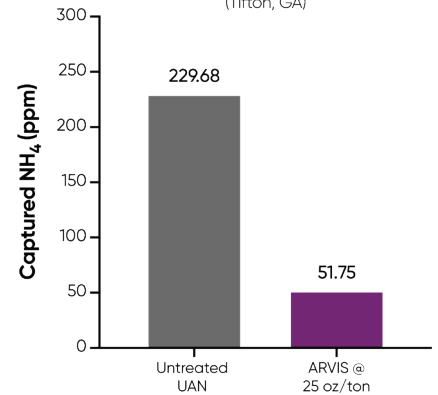


Viscosity (cP) of Stabilizers by Temperature

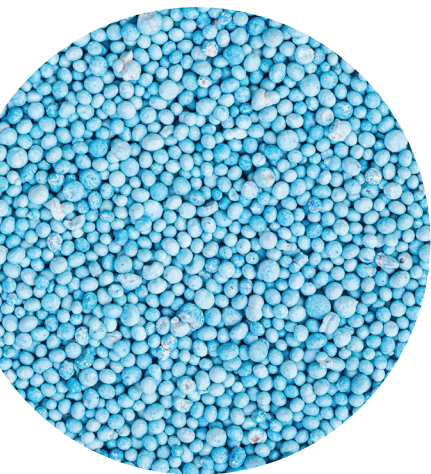


As stabilizers get colder viscosity increases, this shows our improved formulation handles better in cold weather (above).

Effect of ARVIS on ammonia loss in
cotton field conditions after 11 days
(Tifton, GA)

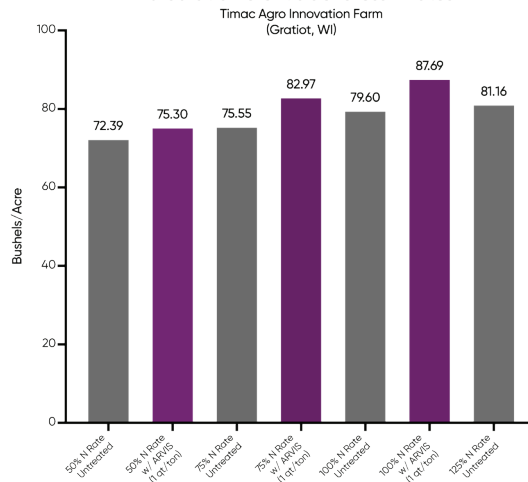


ARVIS treated UAN reduced volatility in the cotton field by **78%** 11 days after application (above).



ARVIS provides a blue hue,
making it easily visible in a
dry fertilizer blend.

Wheat yield response for ARVIS treated
urea at different side-dress N rates



Corn Yield Response for Nitrogen
Additives with UAN Side-Dress Application

