

Duo Maxx

→ RHIZOVIT DUO

N-P-K STABILIZER

PLANT NUTRITION
FERTILIZER ADDITIVE

TIMAC AGRO TECHNOLOGY

Our patented formulas are derived from nearly 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

Duo Maxx is a combination our patented phenolic binding compound, MPPA, nitrogen stabilizer, and our patented Duo complex. The formulation ensures maximum below-ground protection against nutrient loss. Duo Maxx is intended for treatment of incorporated liquid and granular fertilizer blends with N but can also be used on surface applied P and K.

KEY BENEFITS

- MPPA (Macro Molecular Polyphenolic Acid) is designed to stabilize primary and secondary nutrients by binding and protecting them from loss and(or) retrograde tie-up
- Contains a combination of NBPT and DCD designed to slow nitrogen transformation
- Formulated with the patented Duo Complex



PACKAGING SIZE

- 2x2.64 gallon case
- 264 gallon tote

APPLICATION

- Duo Maxx is an additive for liquid and dry fertilizer blends.
- Duo Maxx must be used at the rate of 4-6 pts/liquid ton
- Duo Maxx must be used at the rate of 6 pts/dry ton
- Duo Maxx must be used in-furrow with starter at the rate of 8 oz/acre

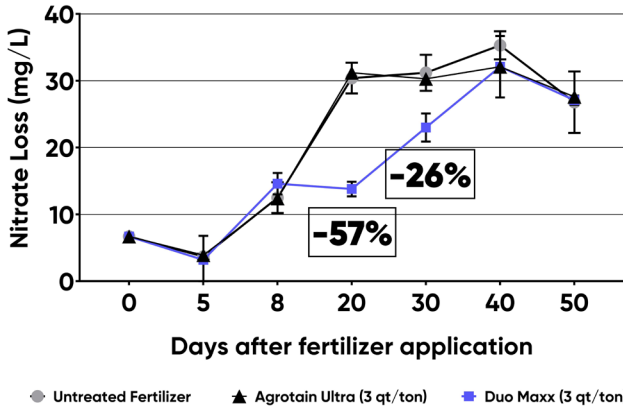
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Effect of Duo Maxx on nitrate leaching

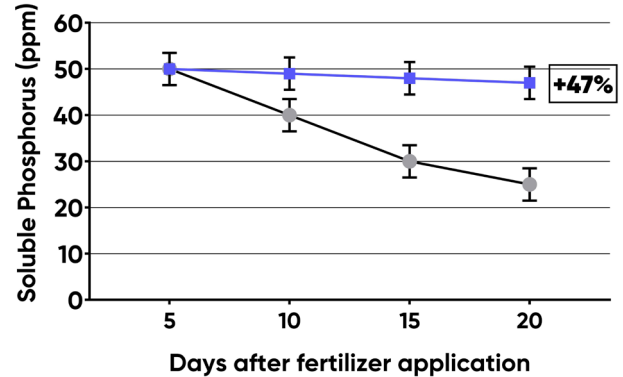


● Untreated Fertilizer ▲ Agrotain Ultra (3 qt/ton) ■ Duo Maxx (3 qt/ton)

Duo Maxx reduced nitrate leaching in soil columns. Data presented are the average nitrate levels of three replicate columns that received 0.6" of simulated rain at each time point. Leachate samples were then collected and analyzed for nitrate.

Source: CMI - Roullier R&D, St, Malo, FR, 2017.

Effect of Duo Maxx on soluble phosphorus

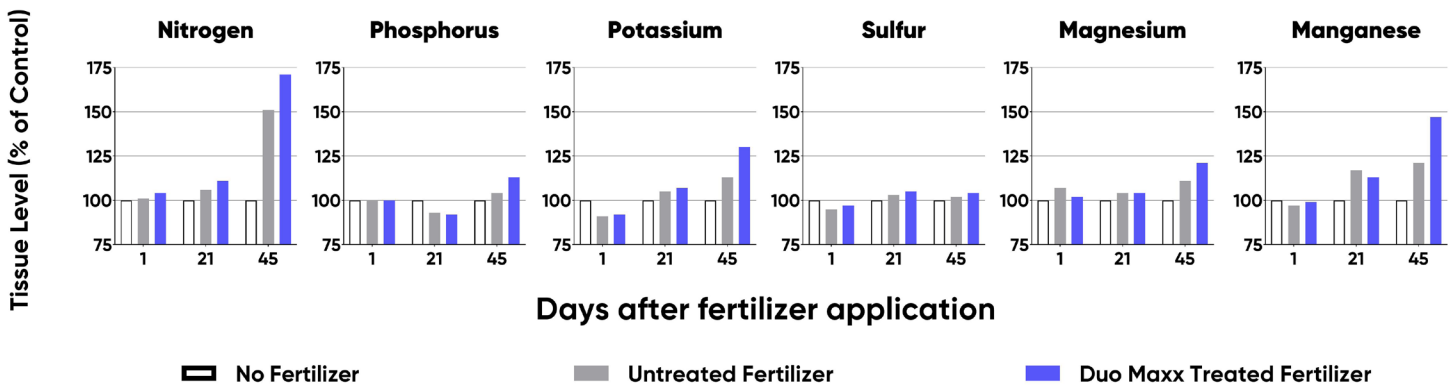


● Untreated Fertilizer ■ Duo Maxx Treated Fertilizer

Duo Maxx maintained soluble phosphorus in conditions of aggressive retrograde tie-up (calcareous soil with pH of 7.9). Data presented are the average of 3 soil x fertilizer replicates.

Source: University of Navarra, Spain and Inobos Labs, 1994.

Effect of Duo Maxx on nutrient uptake



□ No Fertilizer ■ Untreated Fertilizer ■ Duo Maxx Treated Fertilizer

Duo Maxx treated fertilizer resulted in enhanced nutrient uptake. Bars represent the compiled averages of 9 replicate samples of bermuda grass taken over 45 days. Fertilizer was a blend of AMS, UAN, and urea applied at a rate of 1 lb N/1000 ft².

Source: Timac Agro USA R&D, Florida. Contract trial, 2009

ACTIVE INGREDIENTS

Macro Molecular Polyphenolic Acids, Excelis Maxx and our patented Duo Complex.



P.O. Box 888, Reading, PA 19607
800-545-5474 | www.us.timacagro.com

