



NITAMIN® targeted foliar nitrogen (N) is a patented, liquid nutrient source specifically designed for foliar applications in turfgrass, row crops, vegetables and fruits. University research shows the advantages its humectant properties provide for rapid and extended foliar absorption. The high N content — yet lower salt index than a straight urea solution — adds that critical margin of performance, efficiency and safety.

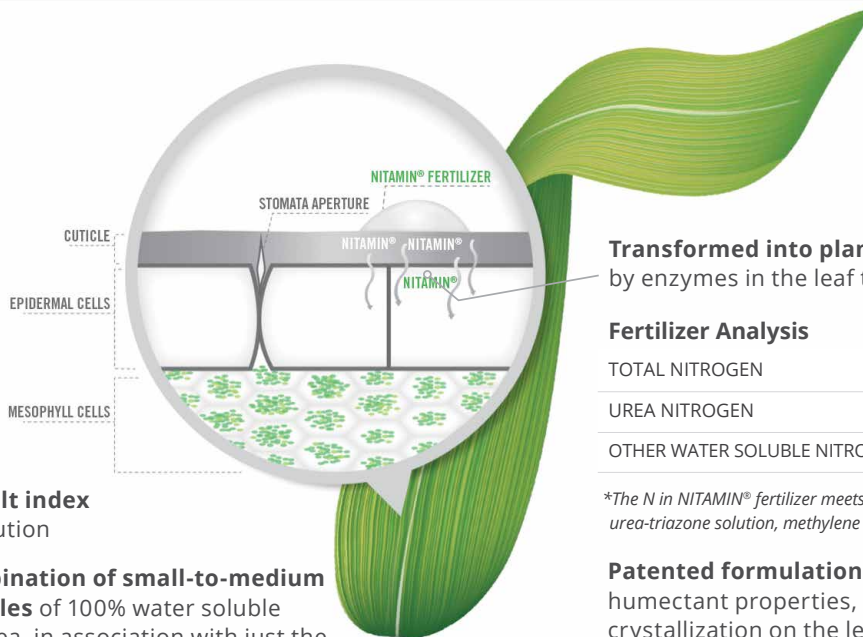
PRODUCT BENEFITS

NITAMIN® fertilizer has been successfully used by turfgrass managers as well as specialty ag and row crop growers. By using this flexible, advanced technology, your customers can increase application safety, and customize their fertility programs. It is particularly useful as a carrier for crop protection chemicals. The short- to medium-chain methylene urea (MU) helps smooth out the nitrogen (N) release pattern.

- **Targeted** – Applied directly to the leaf surface for rapid absorption and green-up
- **Crop Safe** – Low-salt index, and low ammonia and biuret levels improve crop safety
- **Steady-Delivery®** – High N concentration, stays soluble longer, enhanced foliar uptake
- **Flexible** – Compatible with a wide range of micronutrients and protection chemicals

Industries: Lawn Care, Golf, Sports Turf, Agriculture

SOLUBLE METHYLENE UREA TECHNOLOGY



40% lower salt index
than urea solution

Unique combination of small-to-medium sized molecules of 100% water soluble methylene urea, in association with just the right amount of urea solution

Transformed into plant-available N
by enzymes in the leaf tissue

Fertilizer Analysis

TOTAL NITROGEN	30%
UREA NITROGEN	12%
OTHER WATER SOLUBLE NITROGEN*	18%

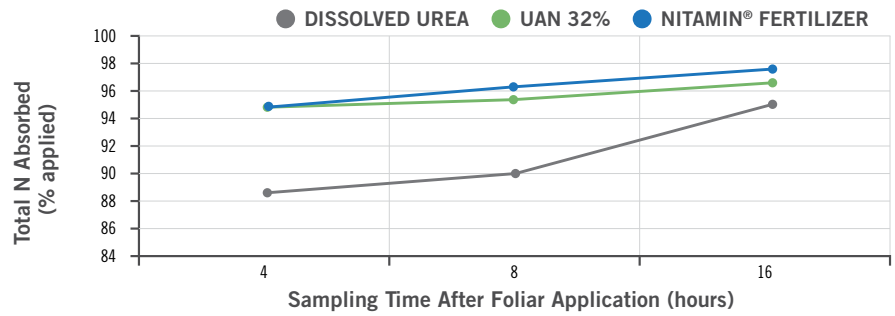
**The N in NITAMIN® fertilizer meets AAPFCO definitions for urea-triazone solution, methylene urea and urea.*

Patented formulation confers highly desirable humectant properties, preventing rapid drying and crystallization on the leaf surface, which allows more N to be absorbed through the leaf tissue

PROVEN PERFORMANCE

LEAF ABSORPTION STUDY (growth chamber study)

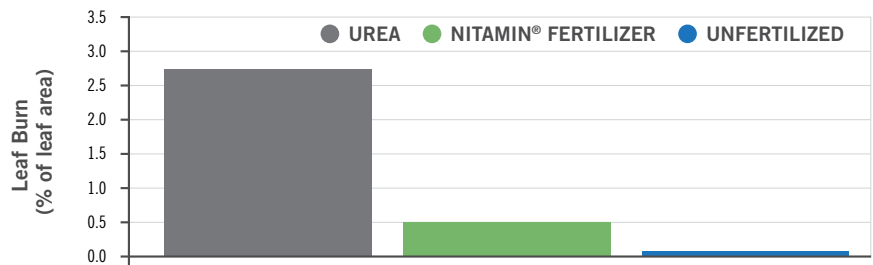
NITAMIN® fertilizer absorbs more rapidly than both urea ammonium nitrate (UAN) and dissolved urea, allowing the plant to absorb more nutrients.



Source: Oosterhuis et al., 2014.
Cotton (Stoneville 4288 B2RF) planted on February 18. Foliar treatments applied on March 26 at a rate of 10 lbs N per acre each.

CROP SAFETY

Study shows that NITAMIN® fertilizer has a lower burn potential than urea making it a safer source of N for plants.



Source: Hicks and Galt, 2007. Hulst Research Farm Services.
Leaf burn study conducted on almonds. Foliar fertilization was applied at a rate of 14 lbs. N/acre in June. Leaf burn measured in July.

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Growing a **Greener** World, Together

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