

Extensive Testing & Proven Performance

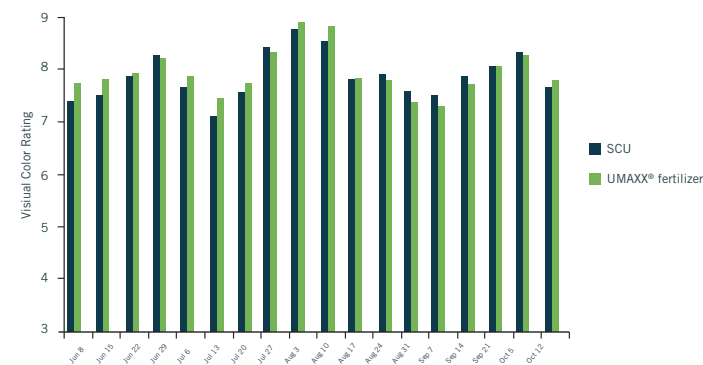
Koch Agronomic Services, LLC is a global leader in enhanced efficiency fertilizer products. Our Ph.D. agronomists, Ph.D. chemists and technical specialists put advanced solutions to the test for optimal nutrient performance.

We supply technologies that are beyond the ordinary by working with universities, government researchers, international research centers and private organizations to provide the best performance in diverse conditions and environments.



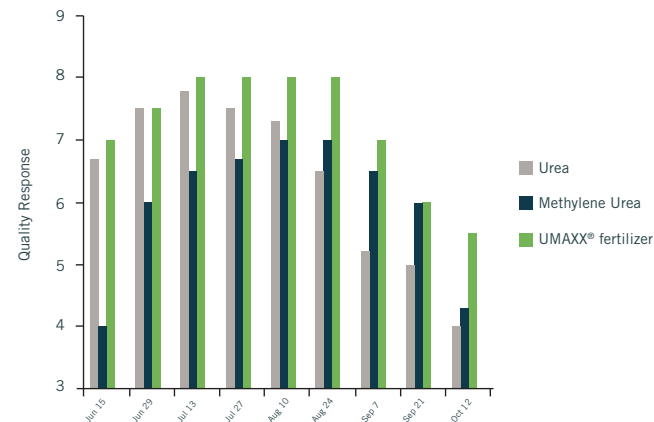
Greener. Faster. Longer.

UMAXX® Vs. Sulfur Coated Urea



Over a four-month trial conducted by the University of Wisconsin, UMAXX® fertilizer demonstrated more rapid color response in Kentucky bluegrass compared to sulfur coated urea (SCU). UMAXX® fertilizer also exhibited similar extended color response when compared to the slow release SCU.

UMAXX® Vs. Urea Based Fertilizer



This independent study conducted by The Ohio State University found that UMAXX® fertilizer increased nitrogen availability to Kentucky Bluegrass from mid- to late-summer and maintained better turfgrass quality compared to urea and methylene urea.

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

SOLUBLE FERTILIZATION | INSTRUCTIONS AND SPECIFICATIONS

Desired Delivery Rate (gallons/1000 sq. ft.)	1.00	1.50	2.00	2.50	3.00
N rate (lbs N/1000 sq. ft.)	Pounds of UMAXX® stabilized nitrogen per 100 gallons				
0.10	22	14	11	9	7
0.15	33	22	16	13	11
0.20	43	29	22	17	14
0.25	54	36	27	22	18
0.50	109	72	54	43	36
Total coverage in 1000 sq. ft.	100	67	50	40	33

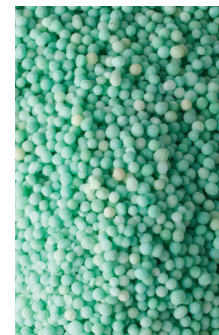
When using any soluble fertilizer product, there may be risk of insoluble contaminants that can clog nozzles and reduce the accuracy of spray applications. It is highly recommended that all primary and in-line filters and strainers be used to minimize this risk. To ensure accurate spray rates, add desired amount of UMAXX® stabilized nitrogen and other tank mix partners to spray solution prior to reaching 100 gallons of final tank mix.

PRODUCT SPECIFICATIONS

ANALYSIS
46-0-0

GRADE
UMAXX®: 230 SGN
UMAXX® Mini: 150 SGN

USES
As an ingredient in dry or liquid fertilizer blends. Can be applied directly or dissolved for spray application.



Stabilized Nitrogen



UMAXX® stabilized nitrogen provides protection against all three forms of nitrogen loss – ammonia volatilization, denitrification, and leaching. Whether you spread it dry, or dissolve it in the spray tank, you can count on UMAXX® fertilizer to provide quick green-up and sustained color for up to 12 weeks.

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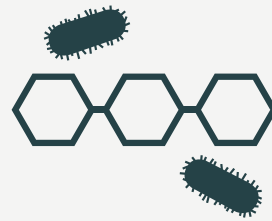
How Enhanced Efficiency Technologies Work



Urea provides quick green-up, but up to 40% can be lost within days of application due to ammonia volatilization, denitrification and leaching.



Coated urea products store nitrogen inside the coating, and generally depend on factors such as moisture, temperature or microbial activity to release over time.



Reacted urea technology stores nitrogen in a chain and requires microbial activity for release.



The Stabilized Difference

Stabilized nitrogen contains **urease inhibitors** that help prevent the naturally occurring urease from breaking down nitrogen, and **nitrification inhibitors** that slow the conversion of ammonium to nitrate. As a result nitrogen remains in the positively charged ammonium form longer, bonding with the soil, and readily available for plant uptake.

UMAXX® fertilizer is an enhanced efficiency fertilizer (EEF) formulated with dual-inhibitor technology.

UMAXX® fertilizer is a granular urea-based product with a 46-0-0 analysis, containing both urease and nitrification inhibitors at a rate to help ensure nitrogen availability for up to 12 weeks, depending on the nitrogen rate applied and environmental factors.

KEY BENEFITS

- ▶ Quick green-up with sustained dark green color, for a difference you can see
- ▶ Protection against all three forms of nitrogen loss to protect your investment
- ▶ Unique stabilizer mode-of-action provides optimal nitrogen efficiency
- ▶ Application flexibility to spray or spread to meet your changing needs
- ▶ Lower risk of leaching compared to urea

Spray It*

UMAXX® stabilized nitrogen dissolves easily and completely in most common tank mix solutions for effective spray applications on greens, tees, and fairways. And due to its 150 SGN, UMAXX® Mini fertilizer dissolves even faster.

- ▶ Start with a clean tank ¼ full of water, circulation pump on
- ▶ Pour UMAXX® fertilizer into the strainer basket
- ▶ Flow water over the UMAXX® fertilizer and watch how quickly it dissolves
- ▶ Repeat until specified rate is achieved and finish filling with water
- ▶ Pure UMAXX® fertilizer dissolves completely and stays in solution
- ▶ No worries about sediment, residue or clogged nozzles

*Always read and follow proper application procedures as described on the product label.

A water-soluble enhanced efficiency fertilizer



Spread It*

UMAXX® fertilizer gives you the flexibility to apply directly to fairways and roughs, straight or as a part of a blend. UMAXX® Mini fertilizer is perfect for tees and closely-mown fairways, for spot-feeding high stress areas, and for lower rate applications with a reduced risk of mottling.

- ▶ Apply UMAXX® fertilizer with any fertilizer spreader
- ▶ Follow with a light irrigation cycle
- ▶ UMAXX® fertilizer dissolves quickly and moves down into the soil profile
- ▶ Reduced risk of mower pickup in non-irrigated areas
- ▶ UMAXX® fertilizer is a homogenous granular so fracturing from mower traffic does not affect release

*Always read and follow proper application procedures as described on the product label.

