

QUICKSPEC Guide

# INNOVATE

## the Way You Fertilize

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A Superintendents Guide to Exceptional Golf Course Turf



ALLIED  
NUTRIENTS™



## INNOVATE the Way You Fertilize

Allied Nutrients provides the industry's leading efficient, effective and PROVEN Enhanced Efficiency Fertilizer (EEF) technologies. Allied's portfolio is not only filled with the foremost in proven quality but also the largest and most diverse in flexibility - regarding SGNs and longevities. Included in this QUICK SPEC Guide are Allied Nutrients technologies that have been specifically developed to solve the unique challenges of golf course superintendents and have been tried, trusted and proven to provide firm, healthy and exceptional golf turf.

### Allied Nutrients - Advantages to Superintendents

- Do MORE with LESS dependency on labor
- PROVEN, quality technologies that are more tolerant to stress and weather
- Flexible longevities that will support your turf between applications, restrictions or blackouts
- Optimal nutrient uptake, environmental sustainability and EXCEPTIONAL, healthy golf turf

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TRUSTED TIME-RELEASE UREA

### TECHNOLOGY

NEW INNOVATION in polymer coated controlled-release fertilizer manufacturing

### DESCRIPTION

Uniquely manufactured, TTRU™ controlled-release fertilizer technology offers economic advantages, assured reduction in environmental impact and outstanding results to turf health.



Scan to Learn More

## SUPERINTENDENT ADVANTAGES

Innovate the way you fertilize with the latest EEF technology to be released to the green industry - TTRU™ Controlled-Release Urea. Developed by the industry leader in supplying and manufacturing the top performing and PROVEN enhanced efficiency fertilizer (EEFs) technologies in the market. TTRU™ Time-Release Urea is an enhanced efficiency fertilizer innovatively manufactured to offer outstanding performance you can TTRUST.

### BENEFITS

**PROVEN** - Controlled-release technology that provides a reliable and gradual release of nitrogen for extended nutrition and consistent, vibrant and healthy turf

**DURABLE** - Stays intact during transportation, blending and application to maintain consistent release of nutrition and more efficient release of nitrogen in the first 7 days!

**PRECISE, METERED NUTRITION** - Reduced likelihood of feast/famine cycles, growth flushes and burn. Strengthens turf against weed and disease pressures.

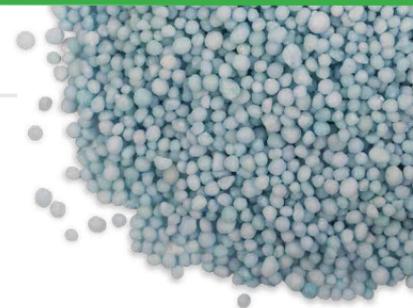
**SUSTAINABLE** - Greatly reduces the potential for nutrient leaching, denitrification, runoff or volatilization

**ECONOMICAL** - Maximizes ROI on labor and operating cost. Is less costly per day to maintain healthy turf.

**FLEXIBLE** - Various longevities available .

**Longevities:** 60, 90, 120, 180 day.

**SGNs:** standard and mini





## TECHNOLOGY

Patented polymer coated controlled-release fertilizer

## DESCRIPTION

A patented durable polymer-coated technology that gradually and efficiently releases nutrients to successfully sustain healthy turf growth and greening. Proven polymer technology with over 15 years of data and trusted results in the golf turf industry. Versatile polymer coated fertilizer with longevities of 45, 90, 120, and 180 days with various SGNs available.



## SUPERINTENDENT ADVANTAGES

With DURATION CR® you can customize your fertility program with longevities that meet your turfs nutritional needs and optimize your time and labor. Versatile applications include single application for season-long nutrition; multiple applications for greater control of growth rates; “base” nutrition with low N rate and extended longevity – supplement with liquid applications and never risk being N deficient. SGNs to accommodate greens, tees and fairways.

### BENEFITS

**Patented and Proven** – Precise, dependable and unrivaled polymer-coated technology with University data supported results that consistently meters nutrition, taking the worry out of maintaining exceptional golf turf

**Flexible** – Highly versatile polymer coated technology. Available longevities of 45, 90, 120, and 180 days and SGN options in mini and standard for all four longevities. Sulfate of potash (SOP) available in micro.

**Durable** – Coating withstands handling and abrasions. No-dust won't clog spreaders.

**Customizable** – Tailor your fertilizer applications to the conditions — various growth cycles, weather, seasonal changes, traffic patterns and other unique situations.

**Reduces Operating Costs** – Fertilize less often; saving time and labor, fuel and equipment wear and tear

**Sustainable** – Protects the environment through reducing the potential for loss through volatilization and leaching

**Longevities:** 45, 90, 120 and 180 days

**SGNs:** mini (150 SGN) and standard (250 SGN).

Sulfate of potash (SOP) available in micro.





## TECHNOLOGY

Stabilized Nitrogen fertilizer with dual inhibitors homogeneously incorporated throughout a urea granule

## DESCRIPTION

UMAXX® contains a urease inhibitor (NBPT) to limit ammonia volatilization; and a nitrification inhibitor [dicyandiamide (DCD)] to extend N availability and limit losses due to leaching and denitrification. The homogeneous incorporation of DCD throughout the entire granule provides maximum effectiveness, unlike DCD-coated products that cannot put correct load rates on each granule. 46-0-0 analysis.

## SUPERINTENDENT ADVANTAGES

UMAXX® Stabilized Nitrogen fertilizer contains dual inhibitor technology that prevents all 3 forms of nitrogen loss. UMAXX® provides a dependable and efficient nitrogen uptake with reduced volatilization while waiting for irrigation and reduced leaching through sand-based media. Spreadable or sprayable, you can upgrade the soluble N in your spray tank for a quicker, yet longer lasting greening

### BENEFITS

**Versatile** – Completely soluble, spread or spray with the same great results. Allowing flexible application throughout your golf course including fairways, greens, tees and surrounds.

**No Additional Labor Required** – Can be tank mixed with most turfgrass protection chemicals so you can improve your turf's appearance and health by easily incorporating it into your current turf management program

**Dependable Extended Longevity** - Up to 12 weeks of plant response with superior reliability when compared to most soluble N sources due to its unique ability to retain ammonium. Allowing you to confidently stretch out your spread or spray intervals and assuring your course stays greener longer.

**Weather/Soil Tolerant** - Dependable performance across varying soil conditions (e.g. pH, temperature, moisture) assuring consistent nutrition and tolerance in unpredictable environments

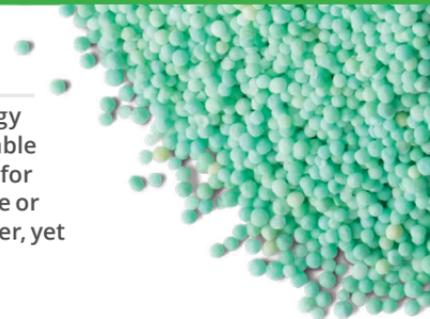
**Increased Uptake Efficiency** - More nitrogen is absorbed by your turf, which results in a better return on your labor and nitrogen investment and greatly improves turf health.

**Premium Quality** – Won't clog nozzles, screens, or damage pumps. Clean-packaged 50-lb bags available for spray application.

**Sustainable** - Environmentally responsible with low potential for leaching, denitrification, runoff or volatilization.

**Longevity:** Up to 12 weeks

**SGN:** Mini (150) and Standard (250) **Packaging:** 50lb bag available or included in fertilizer blends





## TECHNOLOGY

Slow-release methylene urea (MU) fertilizer

## DESCRIPTION

NUTRALENE® is the industry's true pioneer in methylene urea technology. Tried, trusted and proven to offer outstanding results to the golf turf industry for over 40 years. This highly durable fertilizer technology offers turf a reliable slow-release nitrogen source released via microbial activity to provide up to 3 months of consistent nutrition. Guaranteed analysis of 40-0-0.



## SUPERINTENDENT ADVANTAGES

NUTRALENE® is a premium slow-release methylene urea, cost-effective, low-maintenance solution to effectively increase root growth and golf turf density. Provides early plant response, plus extended nutrition with 47.5% of the N is released as WIN. Use as your predominant N source, or as “base” nutrition with low N rate and extended longevity.

### BENEFITS

**Safe** – Low salt index, non-burning and safe for your most valuable turfgrasses

**Indestructible** – Nitrogen Release is not affected by mechanical damage from low mowing heights (like putting greens) because particle size does not impact microbial-driven release.

**Flexible** – Ultimate SGN flexibility; micro (90 SGN), mini (150 SGN) and standard (250 SGN) to fit anywhere on your course; all sizes with the same dependable release

**Soil Enriching** – Methylene urea fertilizers act as a food (carbon) source for soil microorganisms.

**Weather/Soil Tolerant** - Dependable performance across varying soil conditions (e.g. pH, temperature, moisture)

**Cool Season Storage** – N release is limited at temperatures below 50°F. Fall applications can over-winter, assuring a healthy looking Spring

**Sustainable** – Environmentally responsible, less potential risk of nitrate leaching or runoff

**Longevities:** Up to 3 months of consistent plant nutrition

**SGNs:** Micro (90 SGN), mini (150 SGN) and standard (250 SGN)





Slow-Release Fertilizer

## TECHNOLOGY

(Patented) Polymer coated sulfur coated slow-release fertilizer (PCSCU)

## DESCRIPTION

XCU® is a uniquely coated technology with over 12 years of industry leading performance and University supportive data. Patented coating combines a cross-linked polymer, sulfur, and a polymer wax sealant for increased durability, capable of handling rigorous golf course maintenance practices.



## SUPERINTENDENT ADVANTAGES

XCU® is a patented and unique slow-release fertilizer technology that optimizes golf turf performance with proven durability and consistent feeding that lasts up to 10 weeks. With the industry's least amount of "lock-off," for a PCSCU, XCU® can be trusted to release nitrogen when superintendents expect it and turf needs it the most.

### BENEFITS

**Unique and Economical** - Unique and proven technology takes coating innovation beyond traditional sulfur-coated ureas (SCU) and other PCSCU's delivering unmatched performance at an affordable price.

**Durable** - Less product breakage from blending and application handling. Even aggressive cultural practices and golf cart traffic will not prematurely damage the fertilizer granules.

**Efficient** - Less "Lock-off" allowing for a more consistent nitrogen release and utilization. XCU's linear release profile minimizes early excessive release and the flatline effect of too much sulfur.

**Quality** - Less product dust due to innovative coating, least amount of lock-off in sulfur in the category. Highly flowable for ease of handling and consistent application.

**Sustainable** - XCU® provides increased nitrogen use efficiency and has data to support proven N uptake/reduced loss benefits. Reducing loss protects your nitrogen investment and limits environmental impact.

**Flexible Performance** - SGN options; mini (150 SGN) with up to 8 weeks response; standard (250 SGN) extending performance up to 10 weeks. Sizing options make it suitable for tees, fairways, roughs, and common areas. **Tip:** Smaller SGNs provide improved particle distribution when used as a pesticide carrier.

**Longevities:** 8 weeks (150 SGN) and 10 weeks (250 SGN)

**SGNs:** Mini (150 SGN) and Standard (250 SGN)





### TECHNOLOGY

Patented liquid slow-release soluble triazone methylene urea technology

### DESCRIPTION

Patented soluble liquid slow-release fertilizer and targeted foliar nitrogen (N), based on methylene urea / triazone technology. Nitrogen is released via microbial activity to provide N for up to up to 2 months.

## SUPERINTENDENT ADVANTAGES

NITAMIN® is a flexible, advanced liquid slow-release soluble triazone methylene urea (MU) technology that increases application safety and assures your turf a smooth nitrogen (N) release pattern. A great tank-mix partner, broadly compatible with other products, providing true slow-release nitrogen in a highly soluble, easy to handle liquid formulation.

### BENEFITS

**Safe** – low salt index means reduced burn potential compared to quick-release N, protecting high value turf like putting greens and tees from unintended injury.

**Increased Uptake Efficiency** – Humectant properties result in slow drying on the leaf blade, allowing for increased uptake of other tank mix components.

**Soil Enriching** – Research shows that methylene urea fertilizers act as a food (carbon) source for soil microorganisms.

**High N Content** – Higher N content (30%) than most liquid N sources, meaning less measuring and reduced storage space.

**Flexible** – Compatible with a wide range of micronutrients and protection chemicals – NITAMIN® works with your PGRs, not against them.

**Longevities:** Up to 2 months (8 weeks)





For more information on Allied Nutrients  
fertilizer technologies, visit:

[AlliedNutrients.com](http://AlliedNutrients.com)

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