

Polymer-Coated Sulfur-Coated Urea (PCSCU) Slow-release Fertilizer



Discover the money and time-saving benefits of unique coating technology.

XCU® slow-release fertilizer is a breakthrough product for turf professionals. XCU® fertilizer gives you superior performance because of its unique, advanced coating technology.

XCU® fertilizer is the third generation in the evolution of SCU and PCSCU technologies, from industry leader Koch Turf & Ornamental. Its special manufacturing process gives each granule a durable, consistent and one-of-a-kind coating. XCU® fertilizer is unique because it's the only PCSCU with an inner polymer layer, which consists of a thin, cross-linked polyurethane film that encapsulates and protects the urea granule. The outer layers consist of a thin coating of elemental sulfur and a polymer wax, which work together to protect the inner polymer coating. When the outer sulfur and wax layers absorb water and/or are damaged, the inner polymer layer continues to deliver a consistent release of nutrients.

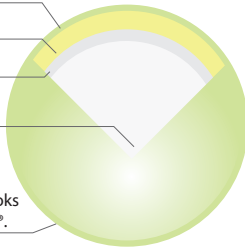
Wax + Unique Green Colorant

Sulfur

Polymer

Urea

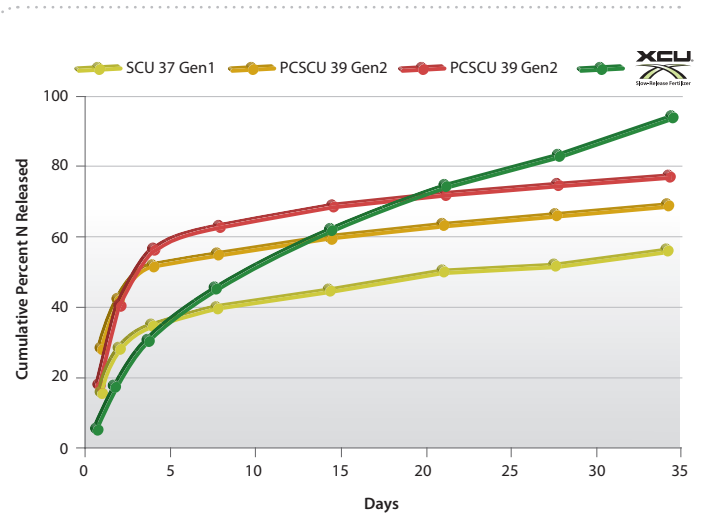
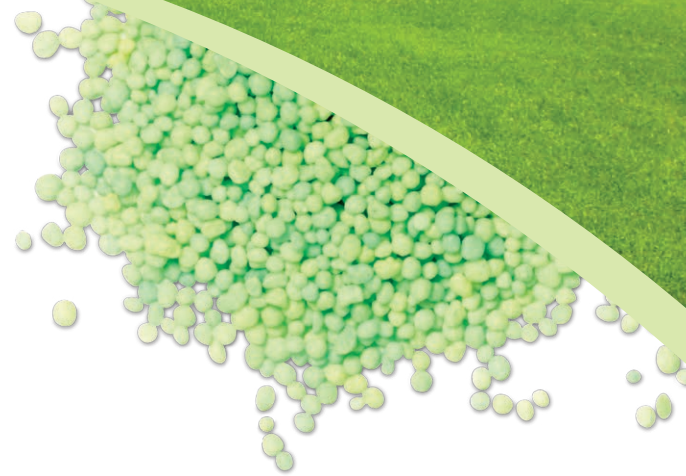
Make sure your XCU® fertilizer looks like this. If it's yellow, it's not XCU®.



The coating is what makes XCU® slow-release fertilizer better.

Because the coating on XCU® fertilizer is more consistent and has improved durability, the granules maintain integrity during transportation, blending, bagging and application. That's important, since broken granules release too much nitrogen up front, which risks environmental loss, surge growth and shorter residual feeding.

The more consistent, durable coating of XCU® fertilizer means more gradual, long-lasting release. The steady feeding provided by XCU® fertilizer promotes optimal nutrient uptake by the plant. The inner polymer coating of XCU® fertilizer allows for a thinner sulfur layer, greatly reducing "lock-off" of nutrients compared to earlier PCSCU technologies.




XCU® slow-release fertilizer keeps working when you need it. This chart represents nitrogen "release curves" of different PCSCUs. Based on extensive lab tests, the superior release characteristics of XCU® fertilizer versus the earlier generation technologies is demonstrated very clearly. The green line demonstrates that XCU® fertilizer has less up-front catastrophic release, and more consistent release over time.

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X-ceed your expectations, without exceeding your budget. Dependable, consistent XCU® slow-release fertilizer proves that not all polymer-coated sulfur-coated ureas are created equal. XCU® fertilizer has the highest nitrogen content (43%) and lowest sulfur content (4%) of any PCSCU on the market today, so turf and horticulture professionals can treat more area with less product to control costs. XCU® fertilizer enables you to provide gradual, steady feeding for up to 10 weeks of healthy plant growth and color.

Superior release characteristics and highly efficient feeding mean you are getting the maximum performance and results from the slow-release component of your blends, saving you significant costs in your fertilizer budget. For optimal efficiency, look for blends with a minimum slow-release content of 50%.



Fertilizer Specification	41-0-0 Mini	43-0-0 Regular
SGN	150	250
Nitrogen	41%	43%
Sulfur	7%	4%

Product shown at actual size.

Compare the advantages of using XCU® slow-release fertilizer in your slow-release blends:

- Unique, durable coating provides gradual, consistent nutrient release when you need it
- Delivers up to 10 weeks of healthy plant growth and color, so you can make fewer applications in a season
- Less product breakage means less quick release, less surge growth and longer residual feeding
- Less product is lost to leaching and volatilization, reducing environmental impact
- Less nitrogen "lock-off" than older PCSCUs means you get the nitrogen you're paying for in the expected time frame
- Coating makes XCU® fertilizer highly flowable for easy and consistent application
- Every batch of XCU® fertilizer goes through a series of rigorous quality control tests to assure that each bag releases the same way, every time
- Choice of sizes to fit your application needs.

More bang for your buck. The slow, steady nutrient release of XCU® fertilizer delivers up to 10 weeks of dependable and efficient feeding. That keeps your customers happy and saves you money, because you'll get healthy plant growth and color with fewer fertilizer applications or lower N rates.

Contact your local XCU® fertilizer supplier today.

When you want exceptional performance and economy from a polymer-coated sulfur-coated urea, ask your distributor for XCU® fertilizer in your blend, or to learn more, visit KochTurf.com/products/XCU.

Contact Information

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Your Sales Representative

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