XCU™
Slow-Release Fertilizer

XCU™
SGN 150 Polymer Coated Sulfur Coated Urea (PCSCU)

Note: PCSCU is Association of American Plant Food Control Officials (AAPFCO) Definition (T-32), Official Pub. No. 61, 2008

LABEL GUARANTEED ANALYSIS – 38-0-0, 41-0-0

Total Nitrogen (N) 38%, 41%

38%, 41% Urea Nitrogen*

Secondary Nutrients

Sulfur (S) Free..... 11%, 7%

Source of Nutrients: polymer coated sulfur coated urea

*37%, 38% Slowly Available Urea Nitrogen from Polymer Coated Sulfur Coated Urea as manufactured, per AOAC 970.04 test method.

SCREEN ANALYSIS (Typical) AND SIZE GUIDE NUMBER (SGN)

US Standard Sieve Size ..... -10+14
Size Guide Number (SGN) 150
Uniformity Index (UI) 60
Bulk Density (lbs/cu. ft.)..... 46-48
Angle of Repose (degrees)..... 30

DISSOLUTION RATE (DR)

An extended water immersion DR test, which is more severe than the AOAC 970.04 2-hour test (above), is a 7-day test (static soak) conducted at elevated temperature, AAT uses 86°F (30ºC). The Nitrogen remaining after this test, which is based on a laboratory test method developed by the TVA, typically is as follows:

%N	Unreleased N (%)	7-day DR (Released)
38%	85% to 40%	15% to 30%
41%	70% to 40%	30% to 60%

Typically regular size will be at the low end DR range, micro at the high end of DR range and mini size will be in the middle of the DR range.

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Smarter Ways To Grow™

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MOISTURE RESISTANCE

During storage polymer coated urea remains dry and free flowing even in hot, humid conditions. The critical relative humidity (CRH) at 86°F is above 90%. Uncoated urea and sulfur coated urea by comparison have a CRH from 70% to 75%; however, a blend containing both uncoated urea and polymer coated urea assumes the CRH of the urea.

PRODUCT LONGEVITY

The 41-0-0 product is designed to provide a turf response of up to 8 weeks at 80°F.
The 38-0-0 product is designed to provide a turf response of up to 10 weeks at 80°F.

Caution: The use of high speed bucket elevators, contact paddle blenders, drag lines, augers, or other rough or abusive handling or application equipment can break or abrade the sulfur coating, causing reduction in release control and a corresponding increase in the dissolution rate of urea. To determine the abrasion effect that unloading/blending/spreading equipment has, it is recommended that inspection samples of blended product be tested for coated slow release urea Nitrogen (CSR-N) at routine intervals to support specific label claims on blended products for CSRN.

Please obtain a Material Safety Data Sheet for more information.

Official AOAC*** Test for Slow Release Guarantee: The immediately released nitrogen is determined by a 2-hour water leaching test (dynamic flow) conducted at 70ºF to 75ºF per AOAC 970.04 test method, commonly referred to as the "Katz Test", approved by the Association of American Plant Food Control Officials (AAPFCO). The label guarantee for coated slow-release Nitrogen, CSR-N, is the percentage of unreleased (N) which is verified by this test method.

***AOAC - Association of Official Analytical Chemists