

Sulfur Coated Urea 35-0-0 (SGN 150) “Data Sheet”

Sulphur Coated Urea (SCU) is manufactured by coating urea, first with Sulphur, then with a sealant.

The amounts of Sulphur and sealant determine the slow nitrogen release characteristics of the product.

Mishandling the SCU will damage the Sulphur or sealant coating and accelerate the nitrogen release rate.

The following analysis is applicable at the point of SCU.

Analysis/Specification:

Total Nitrogen:	35.0% ±1	(WT)
Urea Nitrogen:	35.0% ±1	(WT)
Sulphur (s):	22.0% ±1	(WT)
Sealant:	2% ± 0.5	(WT)
Shape:	Spherical (Granule)	

Packing: 25, 50 kg or 1000 kg big bag.

Slow Release Properties:

Guaranteed maximum urea “N” Release in 7 days (12 Of 31 units) 39.0%

Typical 7 day N Release (8 to 12 of 31 units) 26.0% -39.0%

(The controlled release characteristics are measured by determining the amount of urea nitrogen which dissolves when a 50 gram sample of product is immersed in 250 milliliters of water at 37.80 C for seven days)

Note: There are different types of SCU with different release rate in 7 days test. “N” release rate can be between 5 to 60 % in seven days test.

SGN: (Size Guide Number) = 145 -155 **Uniformity Index (UI) = 55**

Bulk Density: Loose. 769 kg per cubic meter (48 lbs. per cu. ft.)

Packed 849 kg per cubic meter (53 lbs. per cu. ft.)

Angle of Repose: 28° +/- 2