SULPHUR

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Sustainable Sulphur Solution

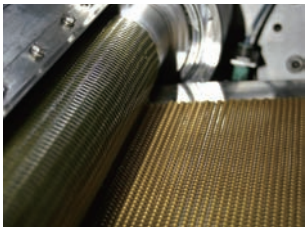
Super S (11-0-0-75)

1 Internationally Developed Fertiliser "Super S" - The Sustainable Sulphur Solution

Super S, H Sulphur's flagship fertiliser product, utilises Shell Thiogro technology to produce a unique fertiliser in which micronised elemental Sulphur is evenly dispersed in Urea.

Shell Sulphur Solutions

Thiogro Technology



IPCO

Rotoform

H Sulphur Corp

Sulphur Handling

Super S

N 11% + S 75%

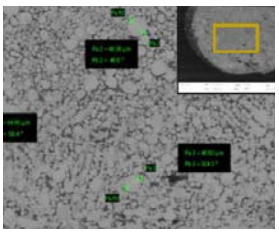
- 11% Urea based Sulphur enhanced Sulphur fertiliser with 75% micronized elemental Sulphur
- The product can be blended with other inputs or directly applied to meet a wide spectrum of nutrient requirements.

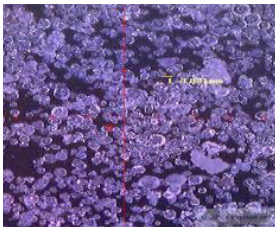
2 Innovative 11% Nitrogen and 75% Sulphur Fertiliser

Micronised elemental Sulphur particles offer advantages in product performance

- Sulphur to Sulphate conversion that occurs quick enough to meet plant immediate needs and lasts throughout the growing cycle.
- Lower risk of Sulphate losses through leaching and low salt index makes Super S seed safe compared to Ammonium Sulphate
- The Micronised particle size of Elemental Sulphur in Super S offers availability improvements to traditional forms of elemental Sulphur
- Higher Nutrient Density reduces the number of kg/ha required
  - Includes 11% Nitrogen (Where Bentonite does not)
  - Includes 75% S (vs 24% Ammonium Sulphate)
- Soil microbes can use the Urea as a partial energy source to break down the Sulphur

A patented process to suspend micronised elemental Sulphur in a matrix of Urea





(Source : Shell Sulphur Solution)

Authorised Shell Thiogro Licensee

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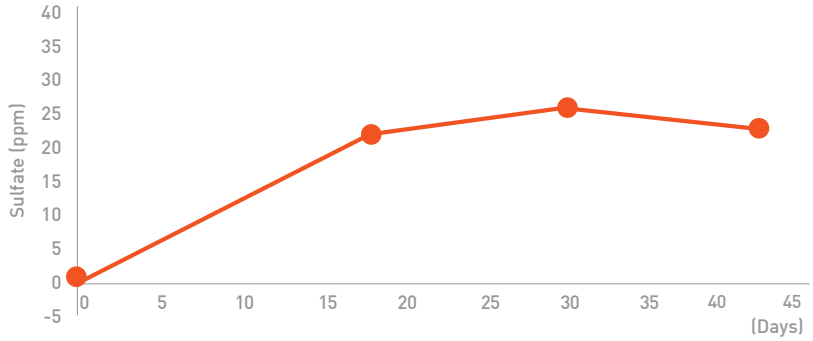
3 Quick Oxidation and Season long Supply of Sulphur

Oxidation trials show that 'Super S' has faster availability

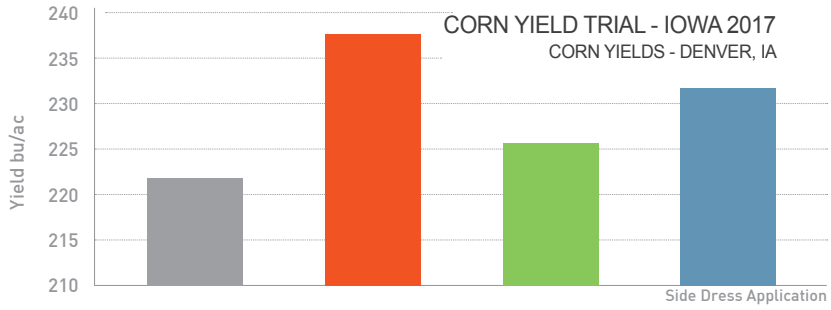


Sulphur Oxidation
(Control Plot S Removed)

Super S

4 'Super S' Increases Crop Yields

Continuous Sulphur supply increases crop yield



(Source: Acres Research)

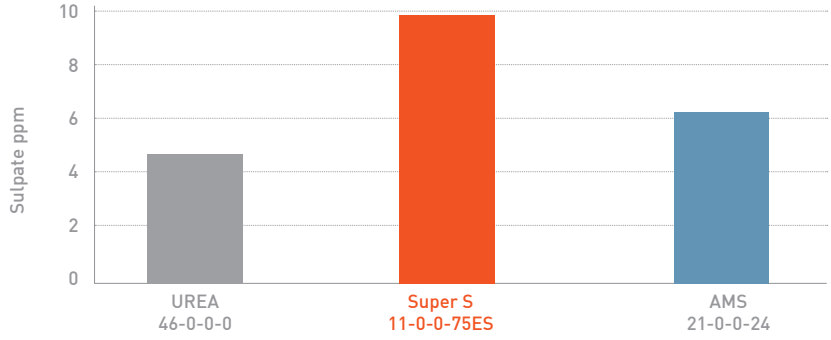
Soil Type : Loamy Fine Sand

Treatments tested provide Sulphur requirement to crop. N,P,K and S rate were applied uniformly for all treatments and at the recommended rates for the region, the exception being a control treatment with no S:Urea.

5 High Levels Of Residual Soil Sulphate After Harvest

Super S – Economical and sustainable

Residual soil Sulphate levels post harvest combined with comparable yield results suggest sufficient oxidation for Super-S within the growing season, while offering residual benefits for future crops.



(Source : The University of Missouri Fisher Delta Research Center)

RESIDUAL SOIL SULPHATE
levels POST HARVEST
(Plant Sulphur Uptake Not Included)