



Supreme

Keg River Sulfur Fertilizer

ENHANCED FORMULATION

Supreme sulfur fertilizer's **new formulation** offers an increased sulfur analysis, while maintaining a superior level of degradability. Customer feedback let us know that you wanted an extremely degradable plant nutrient sulfur product, with as high an analysis as possible. In response, Keg River has combined two exceptional bentonite clays with elemental sulfur to produce our newly improved Supreme.

Product Profile

Guaranteed Analysis

| | |
|--|-----|
| Sulfur (Actual) | 85% |
| Non-plant Food Ingredients (Bentonite Clay) | 15% |



Typical Properties

| | | | |
|-----------------|--------------------------------|--------------------------|--|
| Angle of Repose | 29 degrees | Bulk Density | 75 lbs per ft ³ or 1230 kgs per m ³ |
| Particle Size | Size Guide Number (SGN) 260 | Breakage Characteristics | Less than 0.20% is – 42 mesh at truck loading. |

Packaging Options

Shipped in bulk via truck or rail cars. Mini-bulk totes in 907 kg (2000 lb), 1000 kg (2204 lb), 1134 kg (2500 lb), 1361 kg (3000 lb) or 1500 kg (3307 lb) sizes. Plastic bags in 22.7 kg (50 lb) and 25 kg (55 lb) sizes, palletized and wrapped.

Enhanced Performance

Supreme is the most degradable plant nutrient elemental sulfur product being produced in North America. Recent 24 hour degradability tests were completed to illustrate the difference between typical competitive 90% products, and Keg River's Supreme formulations. The photos below provide confirmation that the new Supreme product degrades to the finest particle size possible, and even out performs Keg River's original 83% formula.





Degradability Testing

| Competitor's 0-0-0-90S | Original Supreme 0-0-0-83S | New Supreme 0-0-0-85S |
|----------------------------|-------------------------------|---------------------------|
| | | |
| 28.73% retained on 20 Mesh | 0.37% retained on 20 Mesh | 0% retained on 20 Mesh |
| | | |
| 56.13% retained on 80 Mesh | 51.80% retained on 80 Mesh | 5.16% retained on 80 Mesh |
| | | |
| 15.14% passes 80 Mesh | 47.83% passes 80 Mesh | 94.84% passes 80 Mesh |

Keg River completed 24 hour degradability testing on samples of the Competitor's 90%*, the original Supreme, and the new Supreme formulation. The samples were screened, dried, and weighed to determine the particle size of the degraded product.

When comparing the Competitor's 90% to Keg River's product, analysis shows that **six times the amount of the new Supreme 0-0-0-85 sulfur fertilizer degrades to particles smaller than 177 microns (80 mesh).**

"Research results indicate that particle sizes of 150 micron to 200 micron or smaller are required if elemental sulfur is to be fully effective during the growing season in which it is applied."¹

¹S.P. Ceccotti, Sulfur fertilizers—An overview of product developments and commercial advances. The Sulfur Institute

* Competitor's 90% product was purchased from a fertilizer dealer, and is representative of product being shipped in the spring of 2006. This sample (1.6 Tonnes) is available for further testing.

The graph to the right illustrates the comparison of the products tested, and shows the superior degradability achieved by our new formulation.

Keg River's new Supreme 0-0-0-85 sulfur fertilizer will provide the dealer and grower with a higher sulfur analysis, and degradability unsurpassed in the industry.

