



# NutraSul 90

KEGRIVER

## Keg River Sulfur Fertilizer

### Sulfur: The Fourth Major Nutrient

- Important to crop yield and quality
- Improves soil conditions
- Promotes efficient absorption and metabolism of NPK
- Essential to synthetic and catalytic plant reactions



### Benefits of NutraSul 90:

- Effective in soil amendment for correcting Alkali and Saline Alkali soils and lowering soil pH
- High Sulfur analysis reduces input costs of transportation, storage and handling
- Season-long Sulfur nutrient availability
- No seed damage when placed with seed
- Low risk of leaching losses compared to Sulfates; also reduces Nitrate leaching
- Pastille form minimizes dust generated from handling, to reduce airborne dust and clogging in application units
- Allows the grower to select the form of Nitrogen and the preferred application time
- Autumn broadcast distributes workload and improves pastille disintegration for the spring

### Organic Certification: OMRI Listed

- NutraSul 90 Organic is OMRI listed and sold separately

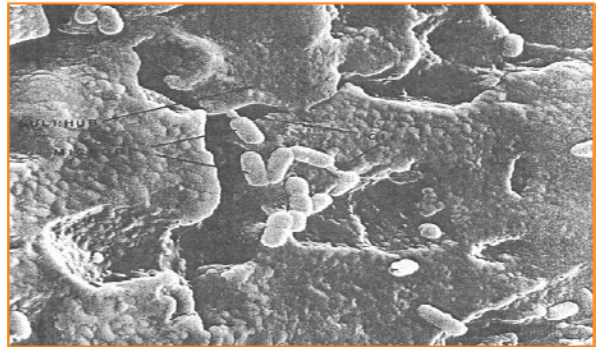
#### Specifications:

- Guaranteed Analysis: 90% Sulfur (Actual)
- Angle of Repose: 29 degrees
- Particle Size: Size guide number (SGN): 260
- Bulk Density: 75 lbs per ft<sup>3</sup> (1201 Kg per m<sup>3</sup>)

### About NutraSul 90:

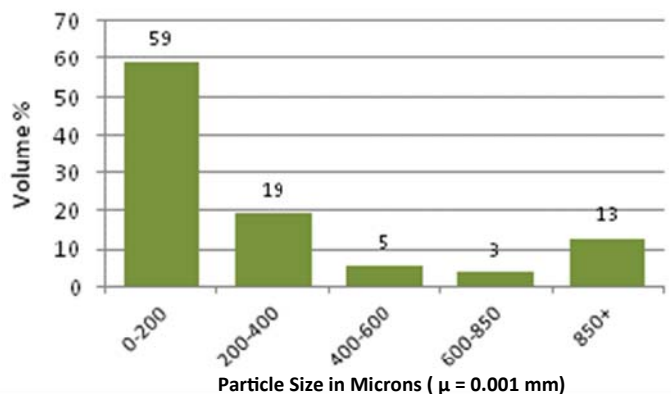
Bentonite in NutraSul 90 is activated by water:

- Swells to break down pastilles
- Fine particles = high surface area exposure to soil microbes - faster oxidation to Sulfate



Thiobacillus bacteria attached to Sulfur

### Particle Sizes of Degraded NutraSul 90



### Laser Diffraction Analysis 2011:

- Disintegrated in water for 24 hours
- 0 – 200 μ size: very fine powder likely available as Sulfate through the first year (to 0.2 mm or 0.008")
- Average of 87% of samples disintegrated to less than 20 mesh size (0.85 mm or 850 μ)
- Result is the right mix of particle sizes for season long conversion of Sulfur to Sulfate