



Optimized Organic Performance

KegRiver
PREMIUM SULFUR FERTILIZERS

0-0-0-85 ORGANIC BENTONITE SULFUR
FORMERLY SOLD AS SUPREME 85 ORGANIC

Consistently Reliable Performance

With **50% more premium bentonite clay** than 0-0-0-90 products, Keg River Organics* Keg85S™ Organic delivers superior degradability. Recommended for organic farmers focused maximizing yield and quality through sustainable means.

Benefits of Keg River Organics* Keg85S™

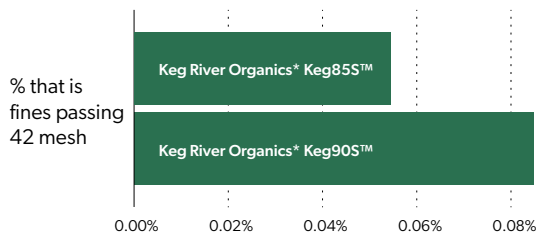
- **A Pro-Cert (Canada) listed fertilizer**
- **Next-level degradability** — a higher clay content means a faster breakdown
- **Superior dust control** — resulting in even less dusting than Keg90S™
- High sulfur analysis reduces input costs of transportation, storage and handling
- **Season-long sulfur nutrient availability**
- **Low salt index: seed-safe** — even when placed in the seed row
- **Low risk of leaching** vs. sulfates; also reduces nitrate leaching
- Replacing bulky, high salt index AS in spring blends with fall, winter (even on snow), spring or post-seeding
- Keg River Organics* Keg85S™ broadcasting provides agronomic, economic and logistical benefits
- Ability to select nitrogen source
- Effective in soil amendment for correcting alkali and saline alkali soils — one of the best options for lowering soil pH

Superior Degradability AND Dust Control

Bentonite clay is activated by water to swell, which breaks down the pastilles. By using MORE of the highest quality bentonite clay, Keg River Organics* Keg85S™ ensures faster, more consistent breakdown. This exposes a larger surface area for microbial activity to occur – resulting in faster, more thorough oxidation to sulfate.

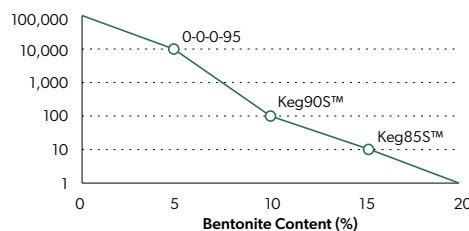
Higher clay content increases pastille hardness by 33% (vs. 0-0-0-90) to improve safety, handling and shelf-life. Our 0-0-0-85 has shown to reduce ignition hazard by 18.2%.

Impact Test for Dust



Impact tests simulate wear on pastilles from fertilizer handling. The lower dust in Keg River Organics* Keg85S™ impact tests demonstrates higher durability than 0-0-0-90 (~35% improvement). Lower dust improves product safety and comfort in handling.

Bulk Resistivity of Sulfur Bentonite Products (1.0⁸ ohm-cm)



Resistivity measures the tendency to build up electrostatic charges in air-borne dust near stored sulfur. With 15% more bentonite, Keg River Organics* Keg85S™ has 10-times lower resistivity – for even greater dust control and a lower ignition hazard than 0-0-0-90.



KEG RIVER SULFUR SPECIFICATIONS

SULFUR — THE 4TH MAJOR MACRONUTRIENT

- Vital to crop yield and quality
- Essential to photosynthesis
- Promotes efficient absorption and metabolism of NPK
- Required for synthetic and catalytic plant reactions

APPLICATION RECOMMENDATIONS

- Applied alone or blended with other fertilizers
- Application rate is based on agronomic recommendations from soil tests & crop removal rates of sulfur
- If soil is sulfur-deficient, soluble sulfate should be applied to crops requiring early-season sulfate (e.g. oil seeds and legumes)
- Keg90S™ can be banded or broadcasted; broadcasting in the fall has the benefit of exposing pastilles to freeze-thaw and moisture over winter for more thorough disintegration
- Repeat applications of Keg90S™ result in the improvement of soil populations of sulfur processing bacteria—the soil becomes more efficient in processing sulfur to sulfate

SAFETY CONSIDERATIONS FOR FERTILIZER DEALERS

- Fertilizer Dealers should be aware of safety considerations when handling degradable elemental sulfurs. These concerns are not usually as important to growers because sulfur is often received blended with other nutrients – which considerably reduces most safety considerations
- Sulfur is classified as non-hazardous and non-toxic, but awareness of potential problems must be stressed to ensure safe handling of this material

PACKAGING — BULK BY TRUCK OR RAIL

- 2,700 lb (1,225 kg) MBB
- 50 lb (22.68 kg) Bags

SPECIFICATIONS

Guaranteed Analysis:	85% Sulfur (Actual)
Angle of Repose:	29°
Size guide number:	260
Bulk density:	75 lb/ft ³

RECOMMENDATIONS TO MINIMIZE DUST FORMATION

- Handle solid sulfur no more than necessary
- Use gentle conveyance systems such as conveyer belts at speeds of 180' per minute or less: screw conveyors generate considerably more dust; drag conveyors work well but should not be run dry
- When finished unloading bulk material, another bulk product such as MAP or KCl can be used to chase sulfur residue from the system
- Minimize transfer points and drops at transfer points to reduce attrition of sulfur pastilles
- Where possible, use storage bins with steep bottom cones (e.g. 55° or 60°) to minimize pastille fractures as they fall to the bottom of the bin, also “rat-holing”
- Reduce drop heights as much as practical
- Dust control agent should be applied during load out: Keg River’s dust control agent reduces fire hazard of the product by over 80%
- Dust suppressants are less effective over time, and after repeated handling
- Conveyor and storage systems should be grounded
- Hand tools used in sulfur handling areas should be non-sparking. Engine-driven equipment should be equipped with spark arresters and protected muffler and exhaust systems
- Check inventory after unloading to ensure there is no fire (there is greater risk of fire at the end of the transfer as the equipment is run dry and accumulated fines appear in the system)
- Avoid storing or handling in enclosed spaces
- Wear suitable protective clothing, gloves and eye protection