



Ultra Fines™

Solution Grade Sulfate of Potash

Ultra Fines™ solution-grade SOP provides chlorine-free nutrition for fast crops uptake. It is the most soluble sulfate of potash on the market. Highly pure and finely ground to minus 325 mesh, it's engineered for uniform metering, fast dissolution and direct injection into irrigation systems. It contains 50% soluble potash and 17% sulfur that feeds throughout the entire growing season to supply vital potassium and sulfur when crops need them.

CONTACT INFORMATION
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FAST ACTING: Proprietary processing improves solubility and speeds dissolution vs. broadcast applications.



MORE NUTRITION: 52.3% K_2O , 53.3% SO_4



IMMEDIATE NUTRITION: Immediately available through irrigation or foliar feeding.



VITAL NUTRIENTS: 50% K improves fruit size, color & uniform ripening. 17% S supports protein and nutrient synthesis.



CHLORIDE FREE: Excellent option for soils with salinity issues and chloride-sensitive crops.



SEASON-LONG FEEDING: Bolsters K and S reserves throughout the entire growing season.



WATER SOLUBLE: Designed for drip, micro jet and sprinkler systems with virtually no insoluble residue.



ULTRA FINE GRIND: Quickly dissolves in water for more availability when crops need it most.

Diamond K Ultra Fines™ – Solution Grade Sulfate of Potash

Chemical Composition

Component	Typical%	Range
Potassium (K ₂ O)	52.3%	50.0% - 53.5%
Sulfur (S)	17.8%	17.0% - 18.2%
Chloride (Cl ⁻)	0.2%	0.05% - 0.5%
Sulfate (SO ₄)	53.3%	51.0% - 53.0%
Moisture (H ₂ O)	0.05%	0.05% - 0.3%
pH (5% Solution)	Neutral	7.0% - 9.0%



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General Use

Always base application on recent soil tests, tissue analysis and known crop demand. Target peak uptake periods such as rapid vegetative growth, fruit sizing and bulking.

Produce Design

Formulated for fertigation, ground application, foliar feeding and hydroponics.

Timing Considerations

Ideal for early season applications where rapid nutrient access is critical. Supports K and S demand during pre-bloom and early fruit set and rapid cell division. Maintains K and S during fruit set to fill. Replenishes K and S reserves post-harvest and supports carbohydrate storage post-harvest.

Guaranteed Analysis

Soluble Potash (K ₂ O)	50%
Sulfate - Sulfur (S)	17%

Container Sizes



Available in 50 lbs. bags and 2,000 lbs. bulky bags

Frequently Asked Questions

How is it different from granular SOP?

Faster dissolution in soil and irrigation water. Unlike standard granular or broadcast SOP, Ultra Fines is processed to a particle size that will pass through 325 mesh screen.

How does it improve nutrient efficiency?

Rapid dissolution and high solubility ensures K & S reach the active root zone more quickly.

Is it compatible with other fertilizers and crop inputs?

Ultra Fines is compatible with many liquid fertilizers and some crop protection inputs. Always perform a jar test before tank mixing and follow all product labels for mixing order and compatibility.

Is it approved for organic production?

It is registered with OMRI, CDFA and WA State Organic. It's naturally mined and is highly pure.

Why does work well in West? Works well in high pH and calcareous soils. Pairs well with calcium sulfate dihydrate to support balanced cation nutrition. Complements N and P programs without adding chloride.

Compatibility? KMS is compatible with many common fertigation inputs. Always perform a jar test before tank mixing. Avoid combining with incompatible calcium products in concentrated solutions.

