

Silicon Mineral

All Natural Volcanic Tuff

GUARANTEED ANALYSIS

CONTAINS NON-PLANT FOOD INGREDIENT DERIVED FROM VOLCANIC TUFF

Silicon Dioxide (SiO₂) 76%

OTHER ESSENTIAL ELEMENTS

Potassium (K₂O) 1.15%
 Iron (FeO), (Fe₂O₃) 1.13%
 Calcium (CaO) 0.61%
 Magnesium (MgO) 0.22%
 Manganese (MnO) 0.02%

Phosphate (P₂O₅) 100 ppm
 Sulfur (S) 100 ppm
 Zinc (Z) 5 ppm
 Boron (B) 4 ppm
 Copper (Cu) 1 ppm
 Molybdenum (Mo)27 ppm

* As a natural substance ppm's may vary

PHYSICAL CHARACTERISTICS

Hardness: 3.5 (MOHS Scale)
 Bulk Density: 50/60 Lbs/FT³
 pH: 6.7 to 7 (Neutral)
 Solubility: 2.25% (Korndorfer Method)
 CEC: 7.09 (Method 19)

USES

1. Makes an ideal replacement for perlite, zeolite, pumice or other amendments with the advantages of plant available silicon and 56 micro-nutrients.
2. For use in farms, gardens, orchards, vineyards, turfgrass, and greenhouses.
3. Replaces current aeroponics, aquaponics, and hydroponics growing media with 3/8" to 1/2" rock.
4. For use in livestock, poultry, and aquaculture production.

PRODUCTS

1. Ignimbrite Mineral products are OMRI Listed for organic use.
2. Silicon Granules are round granules for agriculture applications in Small (100 SGN), Medium (240 SGN), and Large (+300 SGN) sizes.
3. Silicon Amendment is -10 mesh and contains fines for immediate release and mini-chips for time release of Plant Available Silicon (PAS).
4. Silicon Rock is a 3/8" to 1/2" rock chip that makes a superior growing medium and is ideal for improving soil mediums in landscaping, nurseries, and orchards. Replaces current Aeroponics, Aquaponics, and Hydroponics (Growing Media).
5. Silicon Liquid is in the final phase of testing before entering OMRI Listing registration.

SAFETY CONCERNS

Keep Out of Reach of Children
 Avoid Contact with Eyes
 Do Not Inhale Dust
 GRAS Status (Generally Recognized As Safe)
 Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>

ADVANTAGES

1. Improves soil texture.
2. Strengthens structure of plant cell walls.
3. Improves overall plant health.
4. Alleviates biotic and abiotic stresses.
5. Provides hydrophobic and hydrophilic properties for plants and soil.
6. Reduces effects of sodium in the soil.
7. Can be applied with and enhances most other fertilizers.

APPLICATIONS

1. When planting mix 1/2 cup to 1 cup per 7.5 gallons of growing medium, or 4 to 8 ounces per cubic foot of growing medium.
2. For horticulture feeding top dress plants with 2 tbsp. every 7 to 14 days as needed.
3. Applications in agriculture, orchards, and vineyards. Apply 100 to 200 lbs. per acre broadcast or banded.
4. Seeding grass use 4-6 lbs. small granules per 1,000 sq. ft. Seeding greens and tees use 3-5 lbs. small granules per 1,000 sq. ft. Fairways and Lawns use 1-2 lbs. medium granules per 1,000 sq. ft. in spring and fall.

Minerals warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. In no case shall Ignimbrite Minerals be held liable for consequential, special or indirect damages resulting from the use. In no case shall Ignimbrite Minerals be held liable for consequential, special or indirect damages resulting from the use or handling of product.