

# SOLID DEW

V O L C A N I C   S H I E L D



# VOLCANIC SHIELD

Volcanic Shield, a natural extract derived from volcanic materials, is a powerful formula designed to bolster plant defenses, making it an ideal choice for organic farming. This potent solution, when simply applied to leaves and soil, forms a robust barrier against insects with piercing and sucking apparatuses, and effectively wards off fungal pathogens. Additionally, it provides a restorative effect on damage caused by hail and parasites, and enhances resistance to UV rays, abrupt temperature shifts, and extreme heat.





By applying Volcanic Shield on leaves, you can achieve the following benefits:



# PRINCIPAL BENEFITS

- Creates a physical barrier that prevents phytophagous insects with piercing and sucking apparatus from damaging the plant.
- Enhances water molecule transfer to leaf structures, thereby promoting plant growth
- Shields leaves from extreme temperature fluctuations.
- Establishes a protective barrier with the ability for molecular absorption (cation exchange)
- Forms a water-resistant film on leaves, thereby preventing spore germination.
- Augments the cation exchange capacity while preserving air absorption and leaf aeration
- Effectively prevent the development of fungal pathogens and protect the plant from attacks.
- Promote healing of lesions caused by hail and parasites.





## **FOLIAR APPLICATION GUIDELINES:**

For industrial applications, dissolve 4 kg of Volcanic Shield powder in a minimum of 1000 liters of water and spray onto plants every 10 to 20 days, depending on rainfall. This proportion is sufficient to cover 2.5 acres.

For domestic applications, dissolve 2 ounces of Volcanic Shield powder in 4 gallons of water and spray onto plants every 15 days.

Sprayer Preparation: Remove the inner micron filter from the sprayer for smooth application.



# Soil Amendment Benefits

Volcanic Shield is not only a powerful foliar treatment—it also serves as an **exceptional soil amendment** that revitalizes soil health and improves crop performance from the ground up. When mixed into soil or growing substrates, it offers a range of benefits that support sustainable and organic farming practices.

**By applying Volcanic Shield to soil, you can achieve the following advantages:**

- **Enhance soil fertility** through increased cation exchange capacity (CEC), improving nutrient retention and uptake.
- **Neutralize harmful elements** such as ammonium, heavy metals, and organic pollutants, creating a cleaner root environment.
- **Absorb odorous and toxic gases** like ammonia, hydrogen sulfide, and mercaptans for a healthier soil microbiome.
- **Support beneficial microorganisms** by acting as a carrier for mycorrhizal fungi, rhizosphere bacteria, and saprophytic fungi, which promote root development and plant resilience.
- **Reduce reliance on synthetic fertilizers** by improving nutrient efficiency and lowering input requirements.
- **Minimize irrigation needs** by enhancing moisture retention and improving overall soil structure.
- **Decrease environmental impact** by reducing nutrient leaching and protecting water systems from contamination.





# SOIL AMENDMENT APPLICATION GUIDELINES:

For best results, **mix 20 grams of Volcanic Shield per gallon of soil mix**, ensuring even distribution throughout the substrate.

## Ideal for use in:

- Open-field agriculture
- Greenhouse cultivation
- Garden beds and organic soil mixes
- Flower and ornamental plant substrates

Volcanic Shield's soil-enhancing properties make it a smart, sustainable choice for growers looking to improve yield, plant vitality, and environmental impact—all while staying compliant with **organic farming standards**.



**VOLCANIC FOLIAR  
PROTECTION POWDER IS  
CERTIFIED FOR USE IN  
BIOLOGICAL AND  
ORGANIC FARMING.**







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