

Sil-MATRIX®

FUNGICIDE/MITICIDE/INSECTICIDE

Sil-MATRIX® is a soluble potassium silicate fungicide, miticide and insecticide.

Sil-MATRIX® is effective against, spider mites, rust mites and aphids, as well as powdery mildew, anthracnose, Botrytis fruit rots, and other fungal pathogens on vegetables, fruits, nuts, vine crops, field crops, ornamentals and turf.

Silicon-based materials have been used for decades for natural control of fungal plant pathogens, insects and spider mites. They feature multiple modes of action and multiple benefits.

When applied to plant foliage as a preventive, the silicon in Sil-MATRIX is taken INTO the plant cuticle and forms a silicon matrix that acts as a physical barrier. Pathogenic fungi (using infection pegs) and spider mites (with their piercing sucking mouthparts) have difficulty penetrating the silicon barrier. As foliar sprays of Sil-MATRIX dry, the potassium silicate that is not incorporated into the plant cuticle forms a layer of silicon crystals ON TOP of the leaf surface. Like silicon-based diatomaceous earth products, the Sil-MATRIX silicon crystals create open wounds in the exoskeletons of spider mites and other small plant parasitic insects that encounter them. The wounds cause a fatal loss of water (desiccation) and death. Sil-MATRIX also helps plants regulate water, ensuring a healthier plant that can better resist an assault by fungi and mites.

Stable formulation. Sil-MATRIX is an easy-to-use liquid with a stable shelf life without special storage requirements.

REI/PHI. Sil-MATRIX can be used up to the day of harvest and work can resume in the treated area 4 hours post application. It is NOP listed for organic production.

Export Friendly. SilMATRIX is exempt from residue restrictions.

Perfect fit for Integrated Pest Management (IPM). Because of its activity against fungi, spider mites and small piercing sucking insects, the option now exists for growers to reduce adding both a fungicide and insecticide at times when they are typically tank mixed.

Beneficial and plant friendly. Sil-MATRIX has been shown to be safe on beneficial arthropods and safe for plants.

Perfect fit for resistance management programs. Since Sil-MATRIX does not rely on an organism's metabolic pathway for control but instead inhibits damage through physical barriers and desiccation, it will not increase the probability of resistance to currently registered fungicides or insecticides.

For best results. Apply Sil-MATRIX as a preventive at a rate of 0.5-1.0% volume-to-volume. The addition of a non-ionic surfactant has been shown to enhance efficacy against powdery mildew.

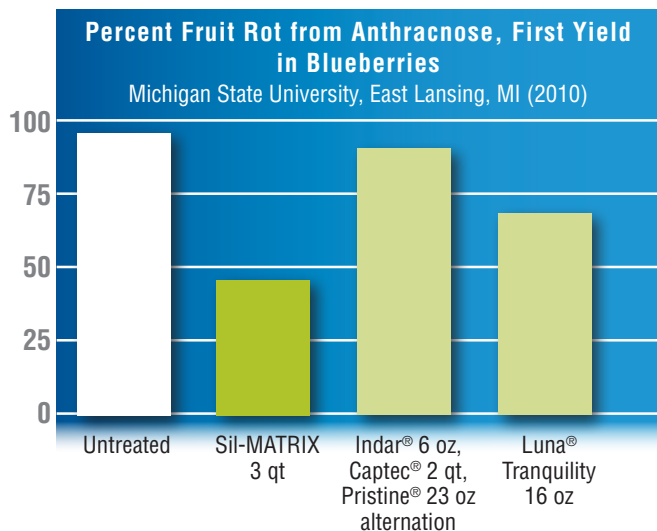
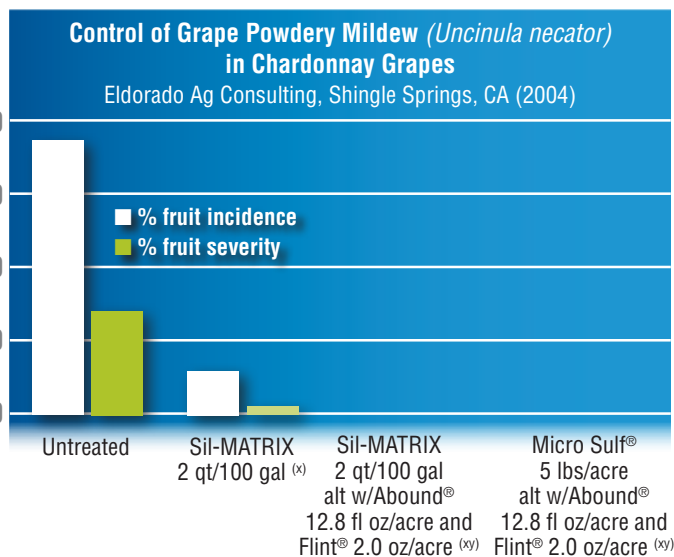
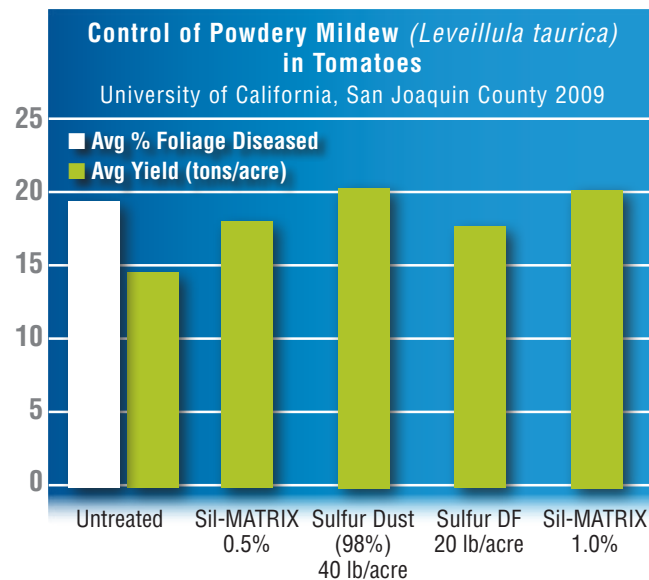
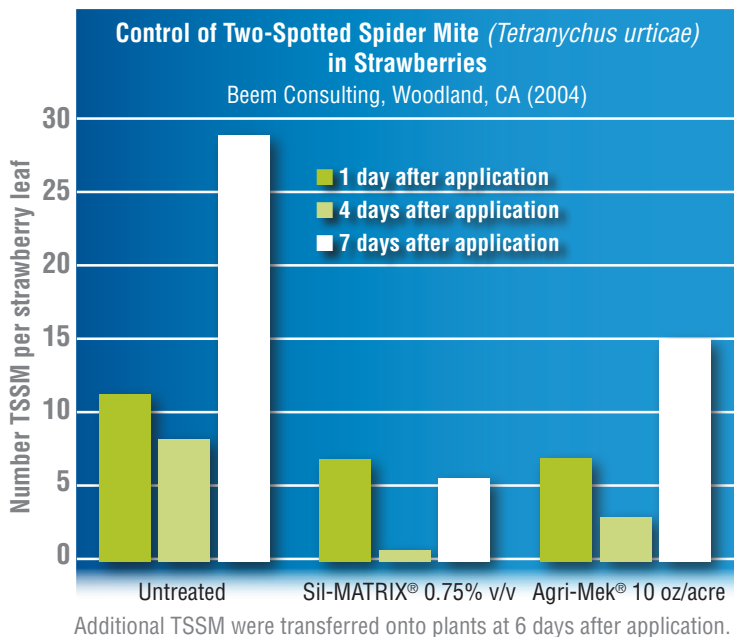
Products Physically Compatible with Sil-MATRIX Include:

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|-------------------------|---------------|
| Thiolux® DF | M-Pede® |
| Micro Sulf® 80WG | Serenade® |
| Lime sulfur | Rally® 40WG |
| Sulfur 90 | Procure® 50WS |
| JMS Stylet-Oil® | Elite® 45WP |
| Organic JMS Stylet-Oil® | Abound® F |
| Saf-T-Side® | Sovran® |
| Jojoba oil | Pristine® |
| Neemix® 4.5 | Flint® 50WG |
| Aza-Direct® | Rubigan® EC |
| Kaligreen® | Vanguard® WG |

Always read and carefully follow label directions.

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^(x) Sil-MATRIX treatments included 8.0 fl oz/100 gal No Foam®

^(y) Alternated treatment dates are: Sil-MATRIX on April 9, 16 & 23; Abound® on April 30 and May 29; Flint® on May 14 & June 11.

