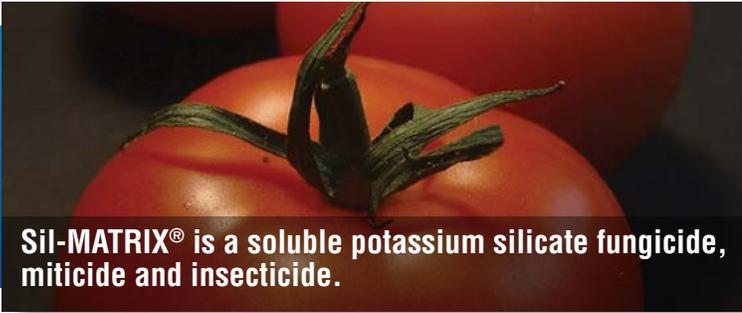


Sil-MATRIX®

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.

Products physically compatible with Sil-MATRIX include:

Thiolux® DF
Micro Sulf® 80WG
Lime sulfur
Sulfur 90
Neemix® 4.5
Des-X®
Carb-O-Nator®
Double Nickel® 55
Trilogy®
Rally® 40WG
Procure® 50WS
Elite® 45WP
Abound® F
Sovran®
Pristine®
Flint® 50WG
Rubigan® EC
Vanguard® WG

Always read and carefully follow label directions.

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 Approved and OMRI® Listed.

Export friendly. Sil-MATRIX 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.

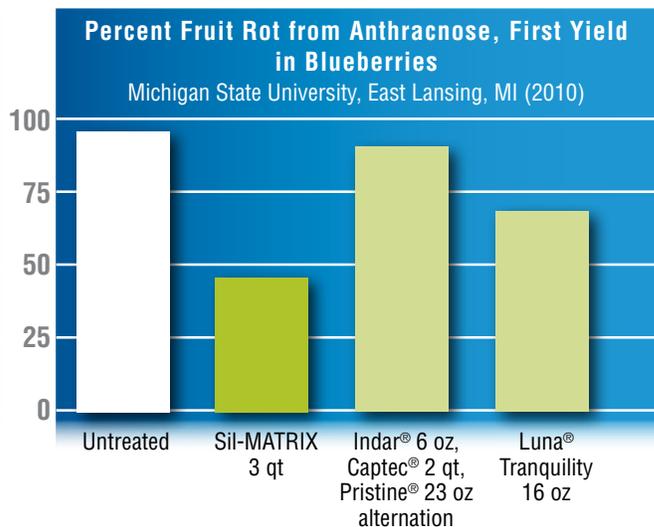
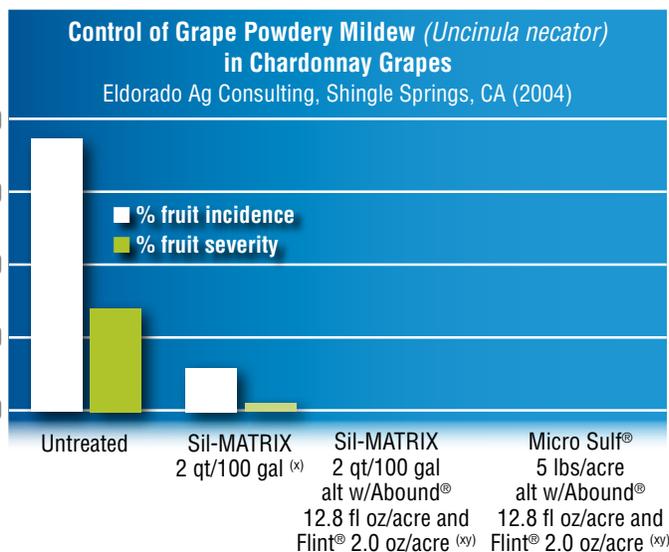
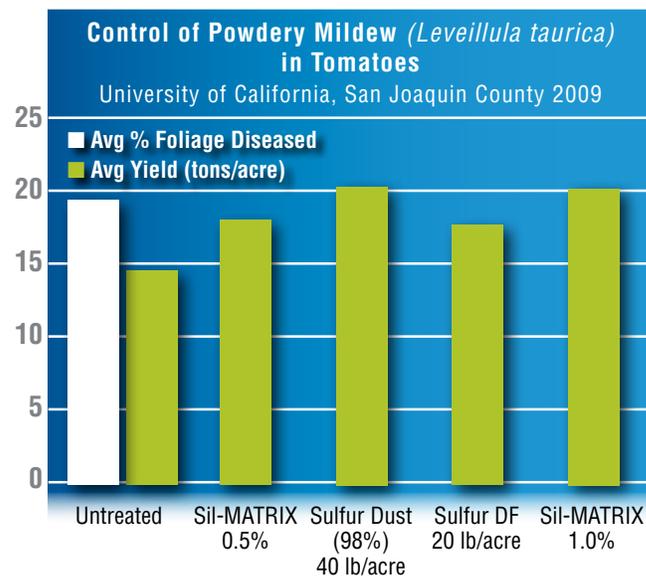
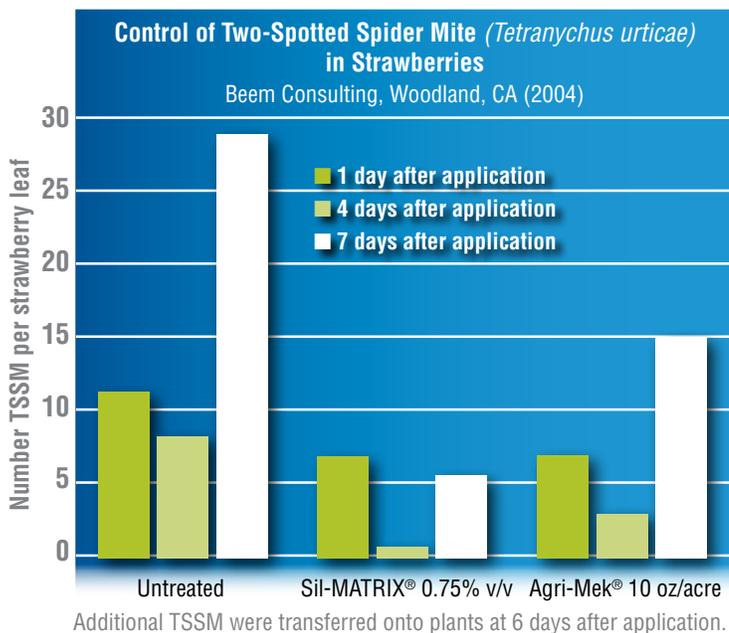
Perfect fit for resistance management programs. Since Sil-MATRIX does not rely on an organism's metabolic pathway for control but instead inhibits damage through physical barriers and desiccation, it will not increase the probability of resistance to currently registered fungicides or insecticides.

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.

A liquid source of potassium and silica. Sil-MATRIX includes a nutrient bonus of 8% K₂O and 21% silicon dioxide (SiO₂) by weight. Most producers are familiar with the benefits of potassium as an essential plant nutrient. Silica is often a forgotten element that has many benefits, including strengthening cell walls for more resilient plants, improving photosynthesis, quality and yields, enhancing pollination and pollen fertility, and reducing the negative effects of excess aluminum, manganese, and sodium.

Sil-MATRIX®

FUNGICIDE/MITICIDE/INSECTICIDE



(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.

