

# Si-MATRIX<sup>®</sup> LC

FUNGICIDE/MITICIDE/INSECTICIDE

FUNGICIDE / INSECTICIDE / MITICIDE

Increase your crop yield while protecting from harmful diseases, insects, and mites.



## PRODUCT HIGHLIGHTS

Active ingredient potassium silicate controls powdery mildew, aphids, whiteflies, and mites

Excellent rotational product that can be tank mixed with other fungicides and insecticides

Superior crop safety that will not burn even young crops

Resistance management tool for insects and diseases threatening your crops



Always carefully read and follow label instructions.

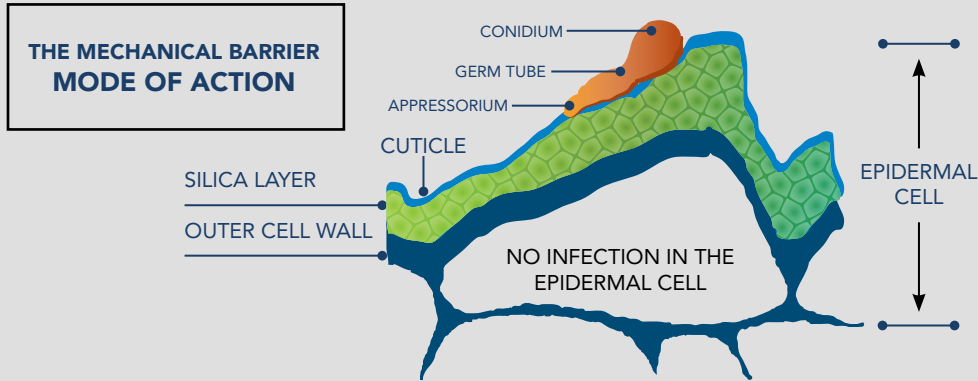


1.800.250.5024

[www.CertisBio.com](http://www.CertisBio.com)

## HOW IT WORKS

Sil-MATRIX<sup>®</sup> LC is absorbed into the plant cuticle and the silicon matrix acts as a physical barrier. Product that is not absorbed into the plant will form a layer of silicon crystals on the leaf surface. The barrier formed by Sil-MATRIX that is absorbed into the plant or deposited on the surfaces of fruits and foliage controls diseases by preventing the penetration of pathogens. These deposits also make the fruit and foliage unpalatable to insects to reduce feeding; additionally, direct contact of Sil-MATRIX with soft-bodied insects results in their desiccation and death.



## HOW IT PERFORMS

Sil-MATRIX<sup>®</sup> LC acts as a comprehensive fungicide, insecticide, and miticide to protect your specialty crops. Sil-MATRIX also includes a nutrient value of 8% K<sub>2</sub>O and 21% silicon dioxide (SiO<sub>2</sub>) by weight, which carries benefits including strengthening cell walls and improving photosynthesis, quality and yields. Sil-MATRIX LC is OMRI approved and NOP compliant for use in organic production.



### TANK MIXING

Compatible with most fungicides and insecticides. Sensitive to low pH materials. Sil-MATRIX will need to be diluted before combining with other materials. The lowest possible concentration will improve compatibility. See the chart below for recommended solution adjustments.

### TIMING

Preventative application is recommended to protect leaf tissue. Optimum protection is achieved when Sil-MATRIX is applied in a regularly scheduled spray program. Apply no sooner than every 7 days.

**DILUTION TABLE FOR FOLIAR APPLICATIONS**  
(20-250 gallons per acre)

Gal Water	Quarts Sil-Matrix .25% Sol.	Quarts Sil-Matrix .5% Sol.	Quarts Sil-Matrix .75% Sol.	Quarts Sil-Matrix 1% Sol.
20	0.2 qts	0.4 qts	0.6 qts	0.8 qts
40	0.4 qts	0.8 qts	1.2 qts	1.6 qts
50	0.5 qt	1 qt	1.5 qts	2 qts
100	1 qt	2 qts	3 qts	4 qts
150	1.5 qts	3 qts	4.5 qts	6 qts
200	2 qts	4 qts	6 qts	8 qts
250	2.5 qts	5 qts	7.5 qts	10 qts

Storage: Keep pesticide in original container. Keep container tightly closed when not in use. Store product above 40°F. Do not store in aluminum, fiberglass, copper, brass, zinc, or galvanized containers. Protect from excessive heat. Store in a cool, dry place.

### RECOMENDED RATES

0.25% to 1% solution (1-4 quarts Sil-Matrix<sup>®</sup> LC/100 gal.) At a minimum rate of 20 gallons finished spray per acre.

### PHI/REI

4 Hr REI; 0 Day PHI

### KEY CROPS

Grapes  
Fruiting vegetables  
Pome fruit  
Leafy vegetables  
Tree nuts  
Berries  
Industrial hemp

### KEY PESTS

Mites  
Aphids  
Whiteflies

### KEY DISEASES

Powdery mildew  
Botrytis  
Fruit rots

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