

Mainstay Si

GROWING BEYOND WITH REDOX

GUARANTEED ANALYSIS

Calcium (Ca)..... 10%
Also contains non-plant food ingredient
Silicon Dioxide (SiO₂) 22%

HOW DOES IT WORK?

Mainstay Si strengthens cell walls and reduces environmental oxidative stress.

WHAT IS MAINSTAY SI?

Mainstay Si is a reacted plant nutrient high in calcium and silicon.

KEY PRODUCT BENEFITS

1. Highly plant-available calcium.
2. Highly plant-available silicon.

MOST EFFECTIVE USE

SOIL APPLICATIONS

Apply through all controlled irrigation systems at a rate of 0.25 to 5 gallons per acre per application.
Apply directly to the soil and water in at a rate of 0.25 to 5 gallons per acre.

FOLIAR APPLICATIONS

Apply at a rate of 0.125 to 1 gallon per acre. Rate is dependent on crop requirements and water volume.
Frequency and quantity of applications depend upon specific crop requirements.

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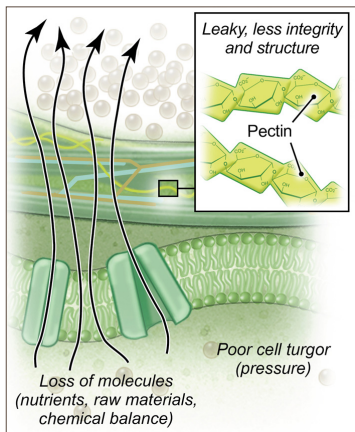
RELEVANT TERMS

CALCIUM NUTRITION - Critical to proper cell wall strength.

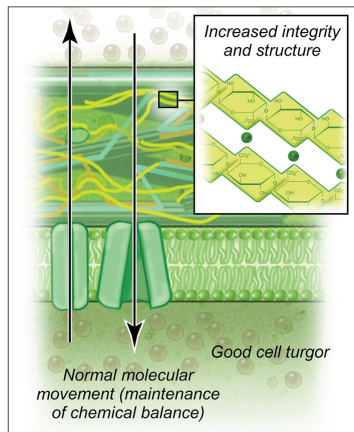
ENVIRONMENTAL OXIDATIVE STRESS - The accumulation of oxygen-free radicals in plants. Excess oxygen-free radicals cause premature cell degradation.

SILICON NUTRITION - Research indicates that increased silicon levels in plants can improve cell wall integrity and reduce oxidative stress.

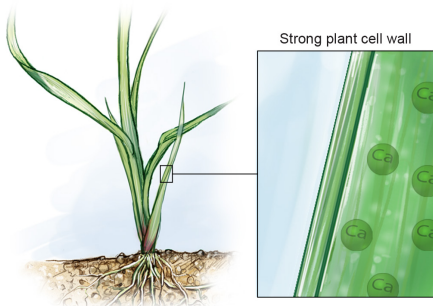
WEAK CELL STRUCTURE: PLANT IS SUSCEPTIBLE TO STRESS



STRONG CELL STRUCTURE: PLANT IS MORE RESISTANT TO STRESS



CELLS ARE THE BASIC STRUCTURAL, FUNCTIONAL & BIOLOGICAL UNIT IN PLANTS.



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