

The Crop Protector

ANALYSIS: 0-0-15 WITH 25% Si

WHAT IS IT?

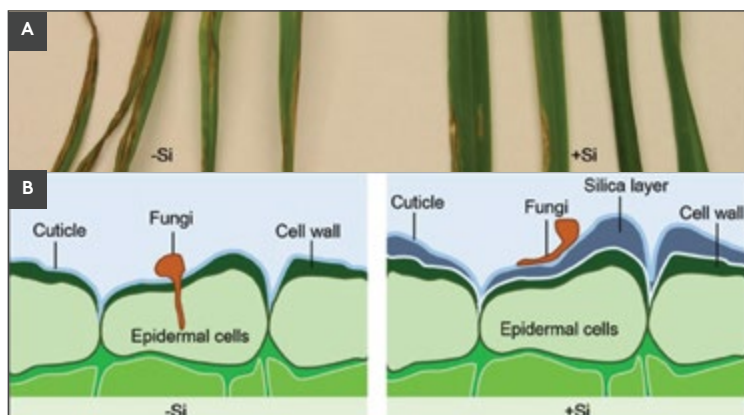
- > CFIA-registered supplement: Reg. # 2017096A, Fertilizers Act.
- > StimPro ArmourTM is a 25% potassium silicate liquid fertilizer additive.
- > It helps crops against a myriad of stresses including excess or lack of moisture, temperature and salt.
- > Silica offers two levels of protection: (i) Si inserts in the cell wall forming a physiological barrier; (ii) Si activates biochemical pathways that increase water use efficiency (WUE) and prevents water loss.
- > Silica is also known for lessening the effect of wide fluctuations of temperatures and to protect against heat.
- > Si plays an important role in the defense against biotrophs (i.e., mildew) and chewing insects.

WHEN & WHY USE IT?

- > The product is recommended on all crops including field, horticultural and vegetable crops as well as fruit trees, turf and ornamentals.
- > Use low volumes with all sprays.
- > Being a cell wall strengthener silica increases resistance to lodging caused by strong winds or heavy rains among others.
- > Silica is known to enhance P, K, Ca and Mn uptake and translocation.
- > Use to alleviate drought, salt, metal toxicity (Zn, Mn, Fe, Al, Cd, As, ...).

WHAT TO EXPECT?

- > An improved growth and development especially under cold, hot and drought stress conditions.
- > Treated crops remain healthy and reach their higher potential.
- > Better water use efficiency by the crop.
- > Better seed and fruit quality.



(A) Leaf blast symptoms in rice 10 days after inoculation with *Magnaporthe grisea*. Rice plants were continuously treated with (+Si) or without silicon (-Si). (B) Silica layer was formed in the cell wall of Si-treated plants and enhanced plant resistance to fungi infection by physical barriers (Source: Sun et al., 2010).

Application Guidelines



StimPro ArmourTM can be used in-furrow with starter fertilizer as well as with all foliar sprays.

Apply with enough water to guarantee a uniform coverage.

Rate: 20-40 ml/ac (for most crop; check the label for specifics); 75-120ml/ac for Turf and 2ml in 10L of hydroponic solution or soil & compost.

*StimPro ArmourTM is a trademark of EZ-Gro Inc.

SPECIALTY

OMEX[®]

866-860-9660 /
orders@omexcanada.com