CalOx® FT

8-0-0 + Mobilized Calcium

POWERED BY CaT™ TECHNOLOGY

CalOx® FT is an advanced liquid nutritional and crop enhancement product for a wide range of agricultural and horticultural crops. The unique patented CaT™ technology in CalOx FT improves calcium mobility and distribution beyond traditionally applied calcium products to support a better crop health and performance.

GUARANTEED ANALYSIS:

Total Nitrogen (N)..... 8.00%
- 0.2% Ammonium Nitrogen
- 7.8% Nitrate Nitrogen

Calcium (Ca)..... 10.00%

Zinc (Zn)..... 0.80%

Derived from: Calcium Ammonium Nitrate Double Salt, Zinc Nitrate

OTHER INGREDIENTS:
- DPU (1,3-diphenylurea)..... 0.02%

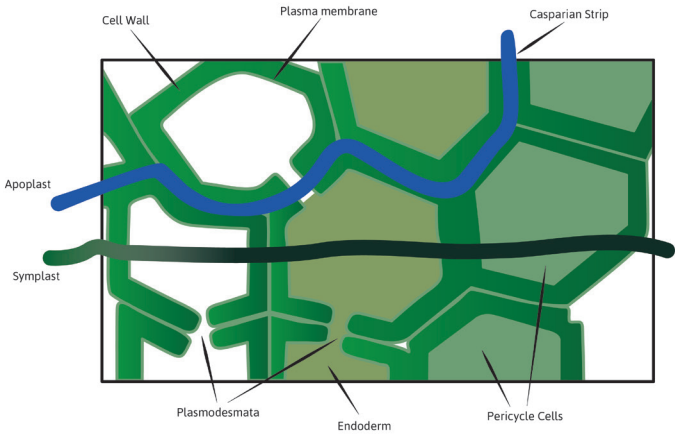
TOTAL OTHER INERT INGREDIENTS..... 99.98%

KEY FEATURES & BENEFITS

- Improves calcium mobility with more uniform distribution
- Systemic response with elevated calcium concentrations in cells
- Reduces calcium disorders
- Optimizes overall plant growth and development, plus bolsters yield and quality
- Provides better storage and shelf life
- Tank mix compatible with most used pesticides and adjuvants

CaT TECHNOLOGY - CALCIUM MOBILITY

Calcium typically moves in tissues via the apoplastic pathway, where water moves between cells, or through cell walls, but does not enter the cell membrane. When movement via the apoplastic flow is limited due to low transpiration, the calcium mobility and distribution are hindered. CalOx FT opens the symplastic pathway by stimulating selective ion transport channels in membranes allowing for calcium to enter the cell membrane and move directly through cells.



As such, this increases the calcium concentration within cells and improves localized calcium movement. The biostimulant component promotes a systemic signaling cascade, which results in cellular calcium influx throughout the plant.
So essentially, the patented CaT Technology in CalOx FT unlocks an alternate and more effective pathway for calcium to move within the plant optimizing plant growth and development.

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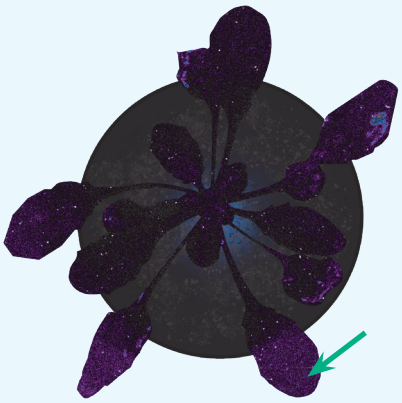

Figure 1 Calcium nitrate standalone

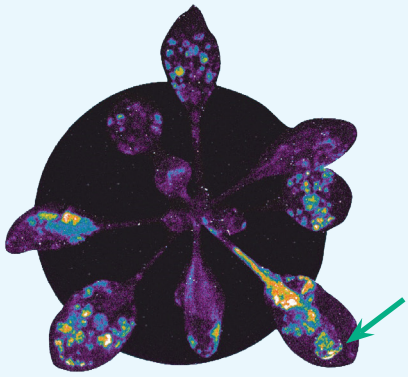

Figure 2 CalOx FT with CaT Tech

As you can see, the CalOx FT product treatment showed an increase in calcium mobility and more uniform distribution.

CALCIUM MOVEMENT IMAGING

A university study was conducted to showcase the CaT Technology inside CalOx FT. One plant received calcium nitrate standalone, while a second plant received CalOx FT, both treatments were applied to a single leaf.

The control, calcium nitrate standalone, had a slight increase of calcium concentration at application site. The CalOx FT treated plant showed a rapid elevation in calcium concentration, followed by a systemic increase in untreated leaves.

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Always read and follow label directions.
Not all products are registered in every state, call 1-888-273-3088 for details.

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