

CellMate[®] Foliar Plus Mo

ADVANCED CALCIUM NUTRITION WITH BORON & MOLYBDENUM



CellMate[®] Foliar Plus Mo is a premium, foliar-applied calcium product containing boron built with a proprietary blend of FBS Transit[®], our patented technology, along with various organic compounds that together resolve calcium and boron deficiencies through improved foliar uptake and movement. CellMate Foliar Plus Mo is designed to resolve calcium deficiencies in all crops including tree nuts, vineyards, fruit, vegetable, grain, and forage crops. Even though calcium and boron are present in the soil they are often tied up and unavailable. CellMate Foliar Plus Mo by-passes these tie ups by promoting the rapid uptake, absorption, and translocation of nutrients within the plant.

Benefits of Cellmate Foliar Plus Mo

- Supports Cell Division
- Increases Pollination & Set
- Improves Sugar Transfer
- Increases Cellular Strength

ADVANCED FOLIAR TECHNOLOGY

Increased Foliar Penetration

- Low molecular weight organic acids complex the nutrients for rapid absorption through tissue

Phloem Mobility

- Reduces the binding of nutrients which allows for increased mobility of low phloem-mobile nutrients

Crop Safety

- Low risk of phytotoxicity



CellMate® Foliar Plus Mo

TECHNICAL INFORMATION

The nutrient and organic compounds in CellMate® Foliar Plus Mo address calcium and boron deficiencies commonly present in many soils and is designed with the ideal ratio for maximizing crop health.

Importance of Calcium in Plants

Calcium is essential for respiration, cellular strength, and rooting of a plant. Calcium is critical in cell division and cell wall integrity, which in turn, strengthen the plant structure. Uptake of calcium is primarily through the new root hairs and the root tip and promotes stalk strength and standability. The new growth and rapidly growing tissues of the plant are affected first by calcium deficiency, which can leave the plant vulnerable to other disease-causing organisms. Calcium deficiencies in plants are associated with reduced height, fewer nodes, and less leaf area.

Importance of Boron in Plants

Boron is an immobile element that is essential in the synthesis of structural carbohydrates in the cell wall which promotes cell wall formation and strengthening. It is crucial for stages of rapid growth within the plant, such as pollination, seed production, and protein formation. It preserves the production and concentration of auxins, and is therefore vital in the formation of all new growth including roots, stems, leaves, flowers, fruit, and the vascular system. Boron also supports a balance between sugar and starch, and translocation of water and nutrition within the plant.

Importance of Molybdenum in Plants

Molybdenum is important for phosphate metabolism. Molybdenum also is required by plants for the utilization of nitrogen. Nitrate-nitrogen is converted to amino acids by the nitrate reductase enzyme; this enzyme requires molybdenum.

ESSENTIAL ON A WIDE VARIETY OF CROPS



3-0-0

GUARANTEED ANALYSIS

Total Nitrogen (N)	3.0%
3.0% Nitrate Nitrogen	
Calcium (Ca)	8.0%
Boron (B)	0.5%
Molybdenum (Mo)	0.2%

Derived from: calcium gluconate, calcium nitrate, boric acid, and sodium molybdate.

Net Weight

11.7 lbs per Gallon @ 68° F
1.4 kgs per Liter @ 20° C

RECOMMENDATION & COMPATIBILITY

For all crops apply 1 to 4 quarts per acre anytime during the growing season. Use the higher rate with spray volume greater than 50 gallons per acre. Repeat as needed.

Designed for foliar application in advance of visual deficiencies, CellMate Foliar Plus Mo should be applied as a foliar spray. CellMate Foliar Plus Mo may not be as effective if soil applied. May be applied in combination with other FBSciences' products such as PhotoGreen® Foliar and Zicron® Foliar.

Tank mix compatibility is impacted by water quality which may vary by location. Recommended mixing sequence: water, adjuvants, pesticides, FBSciences nutrient products, other fertilizers, balance of water while agitating. When mixing with high phosphate fertilizers, add a citric acid buffer until the pH is 4.5 to 5.0 to improve compatibility and uptake. Ensure agitation is available when mixing with sulfate fertilizers. A standard jar test is recommended before tank mixing.

See product label for complete Directions For Use.

