

# ALCIUM

6-0-0 with 8% Ca

POWERED BY 



Ca X-TREME® 6-0-0 8% Ca is a highly compatible liquid nutrient blend of two premium calcium sources, calcium nitrate and calcium acetate, along with the CEC™ delivery and propulsion system.

Calcium is sometimes referred to as the structural element and its' function in a plant include cell wall structure and strength, cell membrane function, new cell formation, disease tolerance and carbohydrate translocation. Calcium is also immobile and does not translocate easily in plants. Ca X-TREME® is specifically formulated for application in soils and crops where calcium deficiency is diagnosed or suspected. Ca X-TREME® is well suited for foliar application, either by ground or air, but is not limited to hydroponic mixes and fertigation applications.

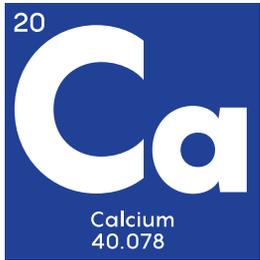
Ca X-TREME® is recommended for all crops, although rate and timing of application will vary. Ca X-TREME® is highly compatible with most pesticides however a jar test is always recommended.

Calcium deficiencies symptoms include death of terminal growth, blossom or fruit abortion, weak stems and physiological disorders. Ca X-TREME® can significantly reduce deficiency symptoms if used in accordance with the label, along with an overall standard fertility program.

Not all foliar calcium hits the target plant therefore some product will end up on the soil. This is where calcium acetate has a huge advantage compared to other calcium sources. Soil calcium requires a soluble form to be taken up by the plant roots. Comparing different forms of calcium such as calcium carbonate (takes 2.3 times more water to solubilize compared to calcium acetate), Calcium chloride takes 7.5 times more water and calcium sulfate takes 23 times more water to become as soluble as calcium acetate. This advantage is especially important in hot, dry regions and when drought becomes an issue.

Once a nutrient such as calcium is soluble, it becomes a function of uptake and the total root surface area comes into play. The surface area of a root system can be greatly impacted by the amount of fine hair roots that develop. CEC™ delivery system is promoting the growth of those same root hairs. Calcium acetate is 4 times more efficient overall, than any other calcium source. So as good as acetate is, you need vigorous and fibrous root mass to assist in calcium movement. That is where the addition of CEC™ makes Ca X-TREME® a superior calcium product.





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POWERED BY  CROPLUTION DELIVERY SYSTEM



CROP	APPLICATION TIMING	
	Initial Application	Subsequent Applications
Apple, Pear and Other Pome Fruits	Pre-bloom at green tip or bud break	10 - 14 days as needed through harvest
Blueberries, Cranberries	Pre-bloom	10 - 14 days as needed
Avocados and Olives	Pre-bloom	Monthly as needed up to harvest
Grapes	Pre-bloom	Bloom, shatter and sizing sprays
Cabbage, Cauliflower, Broccoli & Onions	3-leaf stage	14 day intervals as needed
Nut Crops (Almonds, Pecans, Pistachios, Walnuts)	Pre-bloom	Petal fall and 10 to 14 days later
Tomatoes, Peppers, Cucumbers, Squash and Melons	Fresh Pick (7 days prior to first bloom)	10 to 14 days as needed through harvest
Tomatoes, Peppers, Cucumbers, Squash and Melons	Mechanical Harvest (at first bloom)	A second application at 14 - 21 days later
Potatoes	Tuber initiation	Minimum of two additional applications at 14 day intervals
Strawberries	Immediately before bloom	7 to 14 days as needed through final picking
Plums, Peaches and Cherries	Pre-bloom	10 to 14 days up to pit hardening or as needed until harvest
Cotton	Pre-bloom	10 - 14 day intervals through boll set
Beans, Peas and Lentils	Early bloom	14 day intervals through pod fill
Celery and Leafy Salad Crops	3 leaf stage	14 day intervals
Caneberries, Currants	Initial flowering	14 day intervals as needed
Tobacco	Budding to early flower	14 day intervals as needed
Row Crops	Early bloom	14 day intervals as needed

