

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.

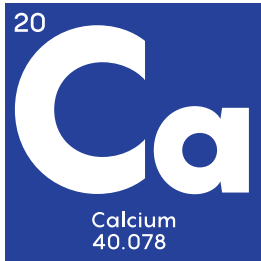
Ca X-TREME® is recommended for all crops, although rate and timing of application will vary. Ca X-TREME® is highly compatible with most pesticides however a jar test is always recommended.

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 |

