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C.A.L.F.A.[®] is a proprietary blend of 40% nature-based carboxylic acid solution designed to release soil nutrients into plant available forms during critical plant growth and development stages.



This product enhances calcium, phosphate, and micronutrient uptake while solubilizing and leaching sodium in high sodium soils. C.A.L.F.A. can help improve nutrient uptake efficiency by increasing nutrient availability and can be particularly effective in cool, wet soil conditions. The addition of C.A.L.F.A. to the soil surrounding the root zone can release these nutrients to be utilized for plant development.



C.A.L.F.A. aids in the conversion and maintenance of soil nutrients during critical plant growth periods.

FEATURES



INCREASES NUTRIENT UPTAKE EFFICIENCY



MULTIPLE DIFFERENT CARBOXYLIC ACIDS



ACTS AS A CHELATING AGENT



CAN BE FORMULATED WITH FERTILIZER OR USED ALONE AS A SOIL APPLIED TREATMENT

INCLUDED CROPS



ALMONDS



COTTON



BLUEBERRIES



CANE BERRIES



STRAWBERRIES



WHEAT



PEANUTS



CORN

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BIOSTIMULANT



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APPLICATION

KEY CROPS INCLUDE, BUT ARE NOT LIMITED TO: BLUEBERRIES, CANEBERRIES, CORN, COTTON, PEANUTS, STRAWBERRIES, WHEAT, ETC.

SOIL APPLIED VIA DRIP IRRIGATION

TANK MIXES EASILY WITH FERTILIZERS, WATER, AND MOST HERBICIDE SPRAYS.

TIME OF APPLICATION: THROUGHOUT THE SEASON STARTING AT FIRST ROOT FLUSH; WITH STARTER POPUP FERTILIZERS THROUGH SOIL INJECTION OR IN THE SEED FURROW

REVIEW LABEL FOR SPECIFIC APPLICATION RATES AND RECOMMENDATIONS.



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BENEFITS



REDUCES PHYSIOLOGICAL STRESS BY INCREASING THE AVAILABILITY AND UPTAKE OF PHOSPHORUS AND PHOSPHATE-BOUND CALCIUM, IRON, ZINC, AND MAGNESIUM



IMPROVES SOIL NUTRIENT AVAILABILITY AND CONDITIONS NECESSARY FOR ROOT AND OVERALL PLANT GROWTH



CLEANS DRIP IRRIGATION LINES



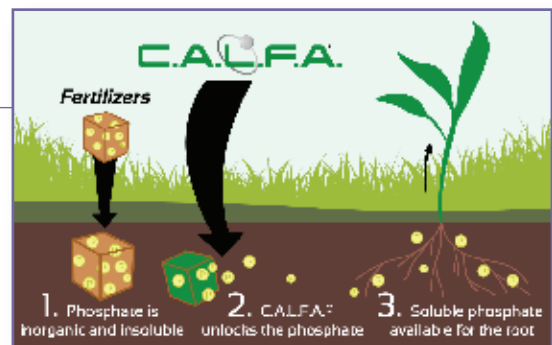
IMPROVES TOLERANCE TO SODIUM BY SOLUBILIZING AND LEACHING BOUND SODIUM, ALLOWING IT TO BE LEACHED AWAY FROM THE ROOT ZONE



MIXES EASILY WITHOUT DISRUPTING TANK MIX COMPATIBILITIES

HOW IT WORKS

Carboxylates are exuded from the root system of growing plants as a function of cell division occurring in the root zone. The plant exudates of most significance are frequently referred to as P-mobilizing carboxylates and are often found deficient in many different soils across multiple crops. These compounds make soil phosphate more available and prevent the tie-up of added phosphate by sequestering iron, calcium, manganese, zinc and other minerals that bind the phosphate. C.A.L.F.A. aids in the conversion and maintenance of soil nutrients during critical plant growth periods. In soils where sodium and calcium are present, applications of C.A.L.F.A. solubilize these nutrients into soluble forms of sodium carboxylate and calcium carboxylate. The root system has a strong preference for calcium carboxylate and will absorb it while pushing the soluble sodium carboxylate away. These salts are then leached out of the root zone, further reducing plant stress.



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