



Reg No B3610 * Act 36 of 1947

CalTrain is a highly penetrating liquid biological calcium amino acid chelate (63.8 g/kg Ca) for use as a foliar nutrient on crops to prevent and/or correct calcium deficiencies and related plant physiological disorders. The product also contains Boron to ensure Calcium mobility in the plant and proper cell wall synthesis and structure, lignification.

Composition:

Calcium (Ca).....	63.8 g/kg
Zinc (Zn).....	1875 mg/kg
Boron (B).....	1043 mg/kg

Amino acid chelated product.

Product Properties:

S.G:	1.28 ± 0.02
pH:	5.8 ± 0.1
Appearance:	Cream colored, clear.

Plant Stress Management™ Product

A Biological Equilibrium Farming Product



Product Characteristics

Calcium is important for proper cell division, elongation and cell wall development and is therefore critical in plant and fruit physical structure. In the case of fruit it is directly related to quality in terms of firmness and shelf life. It plays an important role in Nitrate uptake and metabolism as well as enzyme activity.

CalTrain is taken up very efficiently as a foliar spray or irrigation applied formulation and should be used on all crops to specifically rectify Calcium deficiencies.

CalTrain is compatible with most agrochemical products (except for products containing sulfur and phosphorous in solution) but **it is highly recommended that a compatibility drinking glass test be done before mixing with other chemicals.**

DIRECTIONS FOR USE: Use only as directed. Shake well before use.

- Do not mix **CalTrain** with highly alkaline or sulfur or phosphorous containing products.
- In the case of overhead irrigation, refrain from irrigating the treated crop for at least 12 hours.
- Application concentration should never be lower than **0.75% (750 ml per 100l water) for maintenance applications up to a maximum spray concentration of 3% for rectification of deficiency problems (3l per 100l water).**
- Spray solution water should be **buffered between pH 4.5 and 5.5.**
- Apply foliar spray during cool periods of the day. Early morning or late afternoon
- Do not apply to wilted plants/leaves

Optimal application dosage concentration based on dosage response results.

Total tank concentration should never be lower than 0.75% (750mℓ / 100ℓ) and preferably 1.5 -3% (1.5 - 3ℓ / 100ℓ).

General Recommendation: Note: do not use CalTrain in the same tank mixture containing sulfur or phosphorous.

Crop	Max rate/ha	Rate /100ℓ water	Remarks
Pome Fruit: Apples Pears	0.75% - 3% CalTrain When deficient, application should be done at least 2 times during season on leaves. Add 100 - 200 mℓ/100ℓ FulMax to improve uptake and efficiency.	750mℓ - 3ℓ CalTrain plus 100mℓ FulMax /100 ℓ tank solution	Apply as a medium to low volume (500ℓ -1000 ℓ) foliar spray in a regular program commencing during spring (after bud break). First application 2 weeks after first flush with 14 to 21 day intervals up to 3 weeks before harvest. 50% wetting sufficient. Note restrictions for use on apples and pears.
Stone Fruit: Apricots, Peaches, Plums	0.75% - 3% CalTrain When deficient, application should be done at least 2 times during season Add 100 - 200 mℓ/100ℓ FulMax to improve uptake and efficiency.	750mℓ - 3ℓ CalTrain plus 100mℓ FulMax /100 ℓ tank solution	
Sub-Tropical Fruit: Mango, Avocado, Macadamia, Pecan, Bananas, Litchis			
Citrus:			
Grapes: Table grapes Wine grapes	0.75% - 3% CalTrain When deficient, application should be done at least 2 times during season Add 100 - 200 mℓ/100ℓ FulMax to improve uptake and efficiency.	750mℓ - 3ℓ CalTrain plus 100mℓ FulMax /100 ℓ tank solution	Apply as a medium to low volume (500ℓ -1000 ℓ) foliar spray. First application between flowering and fruit set. Last application no later than veraison for table grapes and during the lag phase (berry/pea size) for wine grapes.
Root Vegetable: Potatoes Sweet Potato	0.75% - 3% CalTrain Add 100 - 200 mℓ/100ℓ FulMax to improve uptake and efficiency.	750mℓ - 3ℓ CalTrain plus 100mℓ FulMax /100 ℓ tank solution.	Apply as a medium to low volume (100ℓ- 250ℓ) foliar spray in a regular program commencing 2 weeks after germination or from 4 leaf stage onwards. Apply at least once every 14 days during the growing season.
Other Vegetables: Tomatoes, Peppers			
Grain: Wheat Maize Canola Beans, Soybeans	0.75% - 3% CalTrain Add 100 - 200 mℓ/100ℓ FulMax to improve uptake and efficiency	750mℓ - 3ℓ CalTrain plus 100mℓ FulMax /100 ℓ tank solution.	First application 2-3 weeks after germination (4-5 leaf stage). Follow up application at flag leaf stage (if possible).

- Due to the variation of soil and soil types from area to area, a full recommendation will only be possible once a **soil analysis and 1:2 water extract** analysis has been done.
- Recommendations are also based on requirements for different crop types.

Contact your **Agribrium** representative to obtain a crop specific Plant Stress Management™ recommendation.