

CHELATED CALCIUM

5% Chelated Calcium EDTA

Chelated Calcium is a fully chelated EDTA complex to assist in the correction of calcium deficiencies in horticulture, viticulture, tree crops and broadacre cropping.

The timing of Calcium applications is critical to ensure maximum production and quality from any crop. Applications at petal fall/fruit set onwards will ensure enough calcium is present to cater for the plants physiological needs. The application of calcium needs to be on a regular basis to ensure fruit remains firm and viable before and after harvest.

Chelated Calcium is one of the most pure forms of dissolved calcium as it contains no nitrate or chlorides.

THE FUNCTION OF CALCIUM

Calcium forms the major constituent of cell walls and membranes. It plays an important role in cell division and growth development. In addition cells are protected from toxins and the ageing process is retarded.

THE FUNCTION OF EDTA CHELATES

A chelate is an organic structure which has ligands (fingers) that wrap around the individual trace element protecting it from chemical attack, decomposition and the influence of pH. The result of this protection is increased availability, solubility and stability, so no lock-up occurs in the soil or spray tank mix. The amount of ligands and level of protection will vary from chelating agent to chelating agent. The EDTA complex is unique, as it has four (4) ligand (finger) sites for chelation. This means the stability of these complexes

across the trace element spectrum is extremely high under influences such as pH, temperature and decomposition.

GUARANTEED ANALYSIS

W/W%

Calcium	(Ca)	5.00
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CROP

RATE: L/ Ha

WATER*

Vines	4 - 6	1 : 100 - 200
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Broadacre	5 - 15	1 : 10 - 25
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Vegetables	5 - 10	1 : 100 - 200
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Tree Crops	5 - 10	1 : 200
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A dilution of 1 : 100 means 1 part product : 100 parts water.
In hot weather, use the higher dilution rate where applicable.