



DUAL CHELATE
FERTILIZER
THE SCIENCE IN PLANT NUTRITION

CRYSTAL BALANCE

NPKS 18.7 - 0 - 0 - 0

+ 8.9% Calcium, 2% Magnesium, 0.1% Boron, 0.04%
Copper, Iron 0.28%, 0.11% Manganese, 0.19% Zinc

Crystal Balance is a calcium nitrate liquid fertiliser with magnesium and trace elements designed to support strong new plant growth, as well as improve product quality and shelf life.

Benefits of Crystal Balance

Increases plant development and vigour while encouraging greener growth and larger yields.

Helps reduce plant disorders like blossom end rot and bitter pit, while also extending shelf life.

Enhances flowering and fruiting by encouraging pollen germination and pollen tube growth.

Enhances chlorophyll production and improves the photosynthesis process for better sugar accumulation.

The Importance of Nitrogen

Nitrogen is essential for all plant growth and development and is a significant component of the chlorophyll molecule required for plant-available energy.

The Role of Calcium

Calcium assists in maintaining the structural integrity of plant cell walls, which increases plant resilience towards stresses.

Calcium also plays a key role in fruit production by increasing fruit firmness, ensuring uniform fruit sizing and ripening and also assists in lengthening produce shelf life after harvesting.

The Importance of Magnesium

Magnesium is a multi-functional element mainly utilised in the production of chlorophyll and hence improves the photosynthetic capacity of plants.



CRYSTAL BALANCE

**Physical Properties - pH: 3.0 - 4.0, Specific Gravity: 1.4 - 1.5 kg/L
Analysis W/V%: 18.7% N, 8.9% Ca, 2% Mg, 0.1% B, 0.04% Cu,
0.28% Fe, 0.11% Mn, 0.19% Zn**

Application Guide

Crop	Foliar	Fertigation	Comments
Broadacre and Row Crops: Cereal, Canola, Rice, Field Peas, Broad Beans, Lentils, Chick Peas, Pasture, Cotton, Maize, Sorghum.	2-5 L/ha diluted in a minimum of 50-100 L of water	N/A	Apply through foliar as required during the crop cycle.
Tree Crops - Deciduous: Almond, Stone fruit, Pome fruit, Pistachio, Walnut, Hazelnut	4-6 L/ha diluted in a minimum of 1000-1500 L of water	10-50 L/ha	Apply through foliar after fruit sets and again post-harvest on pome fruits.
Tree Crops - Evergreen: Avocado, Citrus, Macadamia, Lychee, Mango, Olives	5-10 L/ha diluted in a minimum of 1500-3000 L of water	10-50 L/ha	Apply through foliar after fruit sets and again post-harvest.
Fruiting Vegetables: Tomatoes, Capsicum, Cucurbits, Eggplant	3-7 L/ha diluted in a minimum of 400-800 L of water	10-30 L/ha	Apply through foliar and fertigation as required during the crop growth cycle.
Leafy Vegetables: Lettuce, Broccoli, Cabbage, Cauliflower, Kale, Herbs	3-7 L/ha diluted in a minimum of 400-600 L of water	10-25 L/ha	Apply through foliar and fertigation as required during the crop growth cycle.
Root Vegetables: Potato, Sweet Potato, Carrot, Beetroot, Garlic, Leek, Onion, Radish	5-7 L/ha diluted in a minimum of 400-700 L of water	10-25 L/ha	Apply through foliar and fertigation as required during the crop growth cycle.
Vine and Berry Crops: Wine and Table Grapes, Raspberries, Blueberries, Strawberries, Blackberries	N/A	10-25 L/ha	Apply through fertigation as required during the crop growth cycle.

For applications that are not recommended, please consult with your local representative of Dual Chelate Fertilizer.



FOLIAR



FERTIGATION

Disclaimer: Please be aware that fertiliser can burn and or damage crops and pasture. Visible nutrient deficiency symptoms, analytical results and nutrient removals are the most commonly used criteria to determine the appropriate application rate. There are a number of factors including (but not limited to) weather, soil conditions, application methods, irrigation and management practices which are beyond the control of Dual Chelate Fertilizer and cannot be foreseen. Therefore, Dual Chelate Fertilizer accepts no responsibility whatsoever for any damage, loss or other consequences following the use of this guide or product.