DUAL CHELATE
FERTILIZER
THE SCIENCE IN PLANT NUTRITION

CRYSTAL UNI CAL

26% Nitrogen, 15% Calcium
0.2% B+ 0.2% Zn + Patented Organic Activators (CPPA)

A combination of chelated Calcium and Nitrogen, which are highly beneficial in cell formation, improving structure, cell division and overall plant growth.

Benefits of Crystal UniCal

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

Contributes to the firmness and uniform ripening of fruits.

Increases pollen germination and pollen tube growth.

Promotes the creation of strong root tips, shoot tips and young leaves.

Increased nutrient uptake and translocation of other elements through **Patented Organic Activators (CPPA)**

The Importance of Nitrogen

Nitrogen is an essential macronutrient, which all plants require for proper growth. It is an important constituent of the chlorophyll molecule, nucleic acids, and proteins.

The Importance of Calcium

Calcium assists in maintaining the structural integrity of plant cell walls which increases plant resilience towards mechanical, abiotic and biotic stress.

Calcium is also an integral element for pollen tube development and successful fertilisation. Calcium creates a “tip-focused” calcium gradient at the tip of the pollen tube gradient which acts as a guide ensuring that the pollen tube reaches the ovary for fertilisation.

The Benefits of CPPA

CPPA is a group of organic acids which enhance various plant physiological functions such as nutrient absorption, shoot and root growth, germination and seedling emergence.

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Physical Properties – pH: 4.0 - 4.5, Specific Gravity: 1.3 - 1.5
Analysis W/V%: 26% Nitrogen, 15% Calcium+ 0.2% Boron + 0.2% Zn
+ Patented Organic Activators (CPPA)

Application Guide

Crop	Foliar	Fertigation	Comments
Broadacre Wheat, Barley, Canola, Cotton, Maize, Rice, Sorghum, Triticale, Pasture	2-4 L/ha diluted in 50-100L of water	5-10 L/ha	Apply as required and when deficiencies are present.
Tree Crops - Deciduous: Almond, Stone fruit, Pome fruit, Pistachio, Walnut, Hazelnut	2-5 L/ha diluted in 500-1000L of water	10-100 L/ha	Apply as required during the crop cycle, especially during vegetative flush and fruit development.
Tree Crops - Evergreen: Avocado, Citrus, Macadamia, Lychee, Mango, Olives	2-5 L/ha diluted in 500-1000L of water	10-100 L/ha	Apply as required during the crop cycle, especially during vegetative flush and fruit development.
Fruiting Vegetables: Tomatoes, Capsicum, Cucurbits, Eggplant	2-5 L/ha diluted in 500-1000L of water	10-50 L/ha	Apply as required during the crop cycle, especially during vegetative flush and fruit development.
Leafy Vegetables: Lettuce, Broccoli, Cabbage, Cauliflower, Kale, Herbs	5-15 L/ha diluted in 500-1000L of water	10-50 L/ha	Apply as required and when deficiencies present.
Root Vegetables: Potato, Sweet Potato, Carrot, Beetroot, Leek, Onion, Radish	5-15 L/ha diluted in 500-1000L of water	10-50 L/ha	Apply as required and when deficiencies are present.
Vine and Berry Crops: Wine and Table Grapes, Blueberry	5-15 L/ha diluted in 500-1000L of water	10-100 L/ha	Apply at early shoot development and the pre-flowering and post-fruit set.


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 what so ever for any damage, loss or other consequences following the use of this guide or product.

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