



**DUAL CHELATE  
FERTILIZER**  
THE SCIENCE IN PLANT NUTRITION

# CRYSTAL BLUE DIAMOND

## (FULL COMPOUND GRANULE FERTILIZER)

**NPKS: 17-7-14-5 + TE**

**+ Boron, Magnesium, EDTA-B, EDTA-Fe, EDTA Mn,  
EDTA-Cu, EDTA-Zn, EDTA-Mo  
+ Humic acid coating**

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**A multi element fertilizer consisting of NPKS and other key macro and micro nutrients with active molecules for better nutrient availability.**

### **Benefits of Blue Diamond**

Nitrogen and Phosphorus promote new cell development and assist in energy transport.

The form of phosphorus allows for better nutrient utilization and absorption during the season.

Potassium involves in the translocation of plant nutrients, water and other substances within the plant.

Sulphur aids in protein synthesis and Nitrogen use efficiency.

Replenishes nutrients lost at harvest and encourages strong bud development for the following season.

### **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 Role of Phosphorus and Potassium**

Phosphorus is incorporated into many organic compounds such as DNA, proteins, lipids, and enzymes. These organic compounds assist in energy transfer, nutrient uptake, and transport.

Potassium acts as a regulatory element controlling plant water status and activation of many enzymes. Potassium also plays a role in improving abiotic stress resistance.

### **Benefits of Micronutrients**

Mo and Cu directly influence nitrogen fixation, while Mo & Cu participate in nitrogen metabolism (assist in using free nitrates within the plant system) and thereby minimize N-fertilizer requirement

Zinc, Molybdenum all play roles in promoting plant growth by assisting in nitrogen fixation and synthesizing of various plant growth hormones such as ABA and IAA.



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Physical Properties - pH: N/A, Specific Gravity: N/A  
Analysis W/V%: 17.02% N, 7.42% P, 14.12% K, 5.72% S, 0.01% B +  
Mg, EDTA-B, EDTA-Fe, EDTA Mn, EDTA-Cu, EDTA-Zn, EDTA-Mo + Humic acid coating

## Application Guide

Crop	Broadcast
<b>Broadacre</b> Cereals including Maize, Cotton, Rice, Pasture, Lucerne	100-250 kg/ha
<b>Pulses:</b> Field Peas, Broad Beans, Lentils	100-250 kg/ha
<b>Turf Lawns:</b>	20 - 30g / m <sup>2</sup> 100 - 250 kg/ Ha
<b>Garden Beds:</b>	40 - 80 g/ m <sup>2</sup>
<b>Tree Crops - Deciduous:</b> Almond, Stone fruit, Pome fruit, Pistachio, Walnut, Hazelnut	200-400 kg/ha
<b>Tree Crops - Evergreen:</b> Avocado, Citrus, Macadamia, Lychee, Mango, Olives	200-400 kg/ha
<b>Fruiting Vegetables:</b> Tomatoes, Capsicum, Cucurbits, Eggplant	200-400 kg/ha
<b>Leafy Vegetables:</b> Lettuce, Broccoli, Cabbage, Cauliflower, Kale, Herbs	200-400 kg/ha
<b>Root Vegetables:</b> Potato, Sweet Potato, Carrot, Beetroot, Leek, Onion, Radish	200-400 kg/ha
<b>Vine and Berry Crops:</b> Wine and Table Grapes, Blueberry	100-300 kg/ha

\*\*\*\*\* Recommendations as a guide, soil and tissue tests encouraged to determine the rate required.

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