DUAL CHELATE
FERTILIZER
THE SCIENCE IN PLANT NUTRITION

DUAL GROW 12-8-1.4

NPKS: 12-8-1.4 + TE + Patented Organic Activators (CPPA), Amino Acids and Fulvic Acids

A plant-available liquid Nitrogen and Phosphorus fertiliser with Potassium, Sulphur, Boron, Copper, Iron, Manganese, Molybdenum and Zinc. Used throughout the season and post-harvest.

Benefits of Dual Grow 12-8-1.4

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

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

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

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

CPPA (Complex Polymeric Polyhydroxy Acid) is a group of organic acids which enhance various plant physiological functions such as nutrient absorption, shoot, and root growth.

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

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

The Importance of Potassium

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 (Zn, Mo, Co)

Zinc, Molybdenum and Cobalt 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: <1, Specific Gravity: 1.3 - 1.4
Analysis W/V%: 12.20% N, 8.10% P, 1.40% K, 5.10% S, 2% Mg, 0.20% B, 0.80% Cu, 1.05% Fe, 1.65% Mn, 0.01% Mo, 1.70% Zn +Patented Organic Activators (CPPA), Amino Acids & Fulvic Acids

Application Guide

Crop	Foliar	In-Furrow / Fertigation	Comments
Broadacre Cereals including Maize, Cotton, Rice	5-10/ha diluted in 70-100L of water	Minimum 10-15L in 100L/ha	Apply at the 4-6 leaf stage or as required.
Pulses: Field Peas, Broad Beans, Lentils	N/A	N/A	N/A
Tree Crops - Evergreen: Citrus,	10-15L/ha diluted in 800-1000L of water	20-30L/ha	Apply as required during the crop cycle, especially during fruit development and ripening.
Fruiting Vegetables: Tomatoes, Capsicum, Cucurbits, Eggplant	7-10L/ha diluted in 500-1000L of water	20-30L/ha	Apply foliar during the early vegetative stage and as required.
Leafy Vegetables: Lettuce, Broccoli, Cabbage, Cauliflower, Kale, Herbs	7-10L/ha diluted in 500-1000L of water	10-20L/ha	Apply foliar during the early vegetative stage.
Root Vegetables: Potato, Sweet Potato, Carrot, Beetroot, Leek, Onion, Radish	7-10L/ha diluted in 500-1000L of water	10-50L/ha	Apply during early establishment and vegetative growth stages.
Vine and Berry Crops: Wine and Table Grapes, Blueberry	7-10L/ha diluted in 500-800L of water	5-25L/ha	Apply at the early vegetative stage and as required.


FOLIAR


FERTIGATION


IN-FURROW

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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