



Calcium

Safe and effective foliar nutrient delivery

A high quality formulation that delivers optimum calcium uptake. Wuxal® Calcium is designed to prevent or control calcium deficiencies of fruit and vegetable crops. Wuxal Calcium also provides supplementary nutrition of nitrogen, magnesium and the chelated cationic micronutrients required to optimise plant growth, increase yield potential and improve quality.

Wuxal Calcium provides a highly available and balanced source of calcium and nitrogen, while also delivering the optimum ratio of magnesium and boron.

Active Constituents	Total Product Basis % W/V	Active Constituents	Total Product Basis % W/V
Nitrogen (N)	16	Molybdenum (Mo)	0.0016
Calcium (Ca)	17.2	Copper (Cu)	0.064
Magnesium (Mg)	1.8	Iron (Fe)	0.08
Boron (B)	0.08	Manganese (Mn)	0.16
		Zinc (Zn)	0.032

The various roles and interaction of key nutrients in plants:

There are interactions between many plant elements; balancing calcium with magnesium and boron can help prevent deficiencies and maximize yields.

Nitrogen - Essential for plant chlorophyll (green pigment found in almost all plants) synthesis and the associated role in photosynthesis (energy production - using the energy from sunlight).

Calcium - Stimulates root and shoot development; Increases strength and integrity of plant cell walls; helps to protect plant from the damaging effects of other elements.

Magnesium - Actively involved in photosynthesis; roles in converting phosphate and cofactor to many plant enzymes and constituent of chlorophyll and plant respiration

Boron - Complexes with other elements and is a constituent of cell walls, essential element in pollen germination and pollen tube growth.

Molybdenum, Copper, Iron, Manganese and Zinc – These trace elements are required in small amounts within the plant. However, they are important in plant nutrition. If these elements are deficient it can limit plant growth and yield.

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Wuxal Calcium:

- Is a highly concentrated foliar fertiliser with a significantly higher calcium uptake efficiency than the single calcium salt sprays. This reduces freight and handling, and improves application efficiency.
 - Contains stickers, a surfactant system, humectants and anti-evaporants. This improves application efficiency and plant uptake, reducing wastage and improving plant performance.
 - Has superior crop safety compared to single salt calcium sprays. Ordinary single salt calcium sprays may cause phytotoxicity.
 - Has a pH of approximately 6.5. Its buffering capability can make mixing easier and cheaper. Expensive buffering solutions may not be needed with Wuxal Calcium and it is compatible with most commonly used fungicides and insecticides (except lime sulphur and Bordeaux mixtures.)
 - Can be applied with high or low volume spraying equipment.
 - Available in 10 Litre drums.
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- ✓ **Apples** – Bitter pit, water core, lenticel and internal breakdown
Start bitter pit programs early with Wuxal Calcium from petal fall/early fruit set
 - ✓ **Mangoes** – Soft nose
 - ✓ **Brassicas** – Internal browning, tip burn
 - ✓ **Tomatoes, Capsicum & Peppers** – Blossom end rot
 - ✓ **Lettuce** – Tip burn
 - ✓ **Carrot** – Cavity spot
 - ✓ **Cherry** – Cracking
 - ✓ **Potatoes** – Internal tuber disorders
 - ✓ **Poppy** – Straw strength, capsule and seed yield response

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