

# OMEX CalMax® Ultra

## FUNCTION

OMEX CalMax® Ultra is a unique formulation containing calcium and eba™ additives, which act as a 'pump primer' to ensure calcium is effectively transported into plant cells even during periods of low metabolic activity. The increased leaf and fruit calcium allows for longer storage life and less risk of physical damage as well as a greater resilience to physiological breakdown.

Calcium is a primary constituent of all cell walls and membranes. Restrictions in the availability of calcium will adversely affect cell structure and function. Calcium deficiency is the major cause of a number of disorders including bitter pit in apples, fruit splitting and cracking, tip burn in lettuce and blossom end rot in tomatoes. Foliar applications of calcium are a common way of supplying extra calcium to prevent deficiency symptoms, however, all too often they prove to be ineffective despite relatively high rates of application.

## DESCRIPTION

An inorganic suspension containing calcium and a balanced ratio of nitrogen, magnesium and micronutrients, formulated with eba™ additives to significantly improve calcium uptake.



## Analysis of OMEX CalMax® Ultra

			Wt/Wt*	Wt/Vol
<b>Nitrogen</b>		N	<b>9.80%</b>	14.60%
<b>Calcium</b>		CaO	<b>14.60%</b>	21.80%
<b>Magnesium</b>		MgO	<b>1.95%</b>	2.90%
<b>Manganese</b>	(EDTA)	Mn	<b>0.098%</b>	0.15%
<b>Iron</b>	(EDTA)	Fe	<b>0.049%</b>	0.073%
<b>Boron</b>		B	<b>0.049%</b>	0.073%
<b>Copper</b>	(EDTA)	Cu	<b>0.039%</b>	0.058%
<b>Zinc</b>	(EDTA)	Zn	<b>0.019%</b>	0.029%
<b>Molybdenum</b>		Mo	<b>0.001%</b>	0.0015%
pH (10% solution)			6.0-7.0	
Specific Gravity			1.47-1.51 @ 18°C	

\*For registration purposes Wt/Wt concentrations are recommended.

## DIRECTIONS FOR USE

The spray tank should be filled with half of the required amount of water. Measure the required amount of OMEX CalMax® Ultra and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution. Spray.

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**DILUTION:** Recommended water rate is 500-1500 Litres per hectare

**Always shake container before opening**



## Recommendations for use:

CROP	NUMBER & APPLICATION TIMING	RATE l/ha	RATE ml/100l	APPLICATION DETAILS
<b>Apples</b>	Apply first spray at pink bud, followed by petal fall and early fruit set, then at 14-21 day intervals	1.0 - 3.0	100 - 300	From pink bud to harvest
<b>Bush &amp; Cane Fruit</b>	Apply at 14 day intervals. Use the higher rate if plants are large or crops have undergone rapid growth	1.0 - 2.0	100 - 200	From flower bud to end of season
<b>Coffee</b>	3-4 applications during fruit formation	1.0 - 2.0	100 - 200	
<b>Citrus &amp; Mango</b>	2 applications after the start of fruit development	1.0 - 2.0	100 - 200	Apply at intervals of 10-14 days
<b>Field vegetables, Lettuce &amp; Leafy Salads</b>	4-6 applications starting shortly before head formation	1.0 - 2.0	100 - 200	To reduce brown heat in broccoli and internal browning in brussels sprouts. To reduce tip burn in lettuce, leafy salads, cabbage and cauliflower
<b>Grapes</b>	2-3 applications during fruit development	1.0 - 2.0	100 - 200	Apply at intervals of 10-14 days
<b>Potatoes</b>	Weekly applications after ridging	1.0 - 2.0	100 - 200	Multiple applications during periods of heat stress
<b>Strawberries</b>	Apply 0.5 l/ha at 7 day intervals or 1l/ha at 14 day intervals	0.5 - 1.0	50 - 100	From flower bud to end of season
<b>Tree Fruit</b>	3-4 applications starting 6-8 weeks before harvest. Apply at 14-21 day intervals	1.0 - 3.0	100 - 300	Use to reduce cracking cherries and plums
<b>Tomatoes, Cucumbers, Melons, Peppers,</b>	3-6 applications during fruit development. Apply at intervals of 10-14 days	1.0 - 3.0	100 - 300	Blossom end rot

## TANK MIXING COMPATIBILITY

OMEX CalMax® Ultra is compatible with most, but not all, pesticides, growth regulators and micro-nutrients with regard to physical tank mixing and biological effects on the crop. However, OMEX cannot accept any liability for any loss or damage as not all pesticides have been tested and because the efficacy of any mix will depend on, among other factors, the pesticide concerned, crop conditions, growth stage, weather and volumes of water used. Do not mix with phosphates or sulphates.

## PRECAUTIONS

OMEX CalMax® Ultra should be stored in frost free conditions with optimum storage range between 5-40°C. OMEX CalMax® Ultra is a non-hazardous and non-flammable foliar fertiliser. Gloves and face shield should be worn when handling the concentrate. In situations of prolonged storage there may be slight settling of the nutrient particles. This is reversible on shaking.

**PACKING** - OMEX CalMax® Ultra is available in HDPE drums of 0.25L, 0.5L, 1L, 3L, 5L, 10L capacity. Drums are fitted with tamper evident closures. 200 and 1000 Litre mini bulk available.

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