



PLANT NUTRITION Biomin® Series – Glycine Chelated Minerals



CERTIFIED
ORGANIC



POWDER



ECO-FRIENDLY

Biomin® Calcium

Patented Glycine chelated Calcium (Ca)
15%

Importance/Role of Calcium in plant Nutrition

Calcium plays a key role in the fortification of plant and fruit cell walls and is necessary for the proper functioning of growing points, particularly root tips. It is essential in cell division and elongation and regulates the permeability of cell membranes against contaminants as well as protein synthesis to slow the aging process.

Product Advantages and Benefits

- 100% soluble, immediate uptake, translocation, and rapid correction of any Calcium deficiency.
- Increases resistance to disease by fortifying plant cell walls.
- Prevents Ca-deficiency associated disorders e.g. Blossom end rot, Albedo breakdown in citrus, fruit splitting in e.g. stone fruit and Bitter pit in apples.
- Improves skins, crunch, post-harvest shelf life and quality.
- Certified Organic.
- Approved for use across the board of farm classifications: organic, biodynamic, and conventional.



Available Pack Sizes

2 kg | 10 kg | 25 kg SOLUBLE POWDER

Guaranteed Analysis

ACTIVE INGREDIENTS:	Dry Weight Basis	%/w/v
Calcium (Ca) <i>(as amino acid chelate)</i>		15
Nitrogen (N) <i>(as amino acid)</i>		3.6

- Non-Phytotoxic and Environmentally friendly.
- Technology is highly efficient in its nutrient delivery.
- Cost Effective: a small amount of product goes a long way.

Compatibility

- Always run a compatibility test before spraying Biomin® Calcium with other chemicals
- Is compatible with most fungicides and insecticides
- Incompatible with Copper, Magnesium, Phosphorous and Potassium – containing products

Product Storage and Handling

- Biomin® Calcium is stable under normal storage conditions. Avoid overheating or freezing, exposure to moisture, heat and sunlight
- Store in a cool, dry place
- Dispose of product/container in accordance with federal, state and local regulations

Plant and Environmental Safety

- Harmless to plants and is non-phytotoxic when applied according to label directives
- Harmless to wildlife and is environmentally friendly

Application Guidelines

CROP	SOIL APPLICATION		FOLIAR APPLICATION	
	TIMING	RATE	TIMING	RATE
FRUIT				
ORCHARDS: Apple & Pome fruit	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply at fruit set Repeat weekly for first 21 days after fruit set Apply mid-season Apply 2-3 weeks before harvest (NB* some varieties have higher demand for calcium therefore increase application frequency)	2kg/ha 2kg/ha 3kg/ha 3kg/ha
Avocado & Citrus	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply at fruit set Apply 2-3 weeks later Apply Mid-season Apply 1 month before harvest	2-3kg/ha 2-3kg/ha 2-3kg/ha 2-3kg/ha
Stone fruit & Cherries	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply at fruit set Apply 2-3 weeks later Apply Mid-season Apply 1 month before harvest	2-3kg/ha 2-3kg/ha 2-3kg/ha 2-3kg/ha
TREE NUTS: Almonds	Apply anytime as per crop requirements or as needed	3-5kg/ha	Apply at fruit set Apply 3-4 weeks later	2-3kg/ha 2-3kg/ha
OTHER TREE NUT CROPS: Walnuts, Pecans, Pistachio, Macadamia	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply at fruit set Apply 3-4 weeks later	2-3kg/ha 2-3kg/ha
OLIVE GROVES	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply at fruit set Apply 2-3 weeks later Apply Mid-season Apply 1 month before harvest	2-3kg/ha 2-3kg/ha 2-3kg/ha 2-3kg/ha
TROPICAL FRUIT: Banana, Mango, Lychees, Papaya etc	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply at fruit set Apply 2-3 weeks later Apply Mid-season Apply 1 month before harvest	2-3kg/ha 2-3kg/ha 2-3kg/ha 2-3kg/ha
ALL BERRY CROPS	Begin applications at crop establishment Repeat fortnightly as needed	3-5kg/ha	Apply at fruit set Repeat weekly	2-3kg/ha 2-3kg/ha
VINEYARD CROPS: Wine grapes	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply at fruit set Repeat around veraison Repeat 2 weeks before harvest	1-2kg/ha 1-2kg/ha 1-2kg/ha
Table grapes	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply with first sizer and third sizer Repeat around veraison Repeat 4 weeks before harvest Repeat 2 weeks before harvest NB* For covered varieties switch to soil application rates	1-2kg/acre 1-2kg/ha 2-3kg/ha 2-3kg/ha
VEGETABLES				
TUBER/ ROOT/BULB VEGETABLES: Potato, Parsnip, Onion, Garlic, Carrots	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply once crop at 15-20cm Apply at early tuber formation Repeat 1 month later Apply before on set of heat stress	2-3kg/ha 2-3kg/ha 2-3kg/ha 2-3kg/ha
FRUITING VEGETABLES: Tomato, Caps, Eggplant, Cucurbits Chilli, all Melons	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply 1 week after fruit set Repeat fortnightly	2-3kg/ha 2-3kg/ha
BRASSICA VEGETABLES	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply 1 month after transplant Apply 1 week before head formation Repeat as needed	1-2kg/ha 2-3kg/ha 2-3kg/ha
LEAFY VEGETABLES	During periods of high nutrient demand, during fruit set & up to 2 weeks prior to harvest and/or anytime as needed	3-5kg/ha	Apply as needed Apply at onset of heat stress	2-3kg/ha 2-3kg/ha
OTHER				
FLOWERS & ORNAMENTALS	N/A	N/A	Apply as needed	0.5-2kg/ha

For more information on application rates and timing relevant to your crop or circumstances please contact your local distributor or visit www.zadco.com.au

Disclaimer: Any rates of application and timing may vary and are subject to change according to crop variety, crop demand for nutrient/s, seasonal variations, and crop circumstance. Technical advice is provided to growers on the basis that the information supplied by the grower or agent is correct and that any technical support obtained from third parties (e.g. soil and leaf analysis results) is also correct at the time of preparation of the report. Zadco does not accept any liability whatsoever and howsoever arising from the use of the technical advice and the products used, should the information supplied to Zadco be incorrect or inaccurate. For warranty details, please refer to JH Biotech's warranty on the product label.