BIOMIN™ CALCIUM

Soluble Powder
Single Mineral Biomin Calcium

GENERAL INFORMATION

Biomin™ Calcium is a true amino acid chelated mineral.

The chelating agent is mainly glycine, the smallest amino acid commonly used by and found in plants. The unique formulation of **Biomin™ Calcium** classifies it at the top of the range of all chelated minerals.

Biomin™ Calcium is a readily bio-available plant single mineral product. The highlights of such a product include almost total absorption within a few hours after application. The chelating agent Glycine prevents the precipitation of the product and enables all the minerals to move freely inside the plant making the product highly systemic.

Biomin™ Calcium is ideal for all crops as it contains one of the most important elements in plant mineral nutrition — Calcium.

ADVANTAGES + BENEFITS

Biomin™ Calcium is the only bio-available organic Calcium nutrient that is systemic, readily available and non-phytotoxic.

Biomin™ Calcium is very stable in formulation and can be used on all horticultural crops at almost any stage of growth.

Biomin™ Calcium helps reduce and prevent:

1. Fruit splitting in grapes, cherries and stone fruit
2. Bitter pit in apples
3. Albedo breakdown in citrus
4. Pitting of kiwifruit
5. Post harvest breakdown of fruit and vegetables

Biomin™ Calcium plays an important role in providing better skin quality, firmness and helps to create crunchiness in grapes and other fruit.

Biomin™ Calcium adds to the keeping quality of fruit and prevents fruit from rapid breakdown after harvest.

Guaranteed Analysis:

Dry Weight Basis %	w/w
Calcium (Ca)	15.0
As amino acid Chelate	
Dry Weight Basis %	w/w
Nitrogen (N)	3.6
As amino acid	

Biomin™ Calcium aids in preventing plant and fruit susceptibility to disease by increasing the overall health and mineral balance of the crop.

COMPATIBILITY

Always run a compatibility test before spraying Biomin™ Calcium with other chemicals.

Biomin™ Calcium is compatible with almost all fungicides and insecticides.

Biomin™ Calcium is **INCOMPATIBLE** with Magnesium, Phosphorus, Trace elements and Potassium.

PLANT + ENVIRONMENTAL SAFETY

Biomin™ Calcium is totally harmless to plants even when recommended rates are exceeded. Exceeding recommended rates is however unnecessary.

Biomin™ Calcium is totally harmless to both humans and wildlife and is environmentally friendly.

APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES AND PEARS	Multiple applications	Starting at fruit set, Biomin Calcium needs to be applied every 10-14 days (3-4 apps)	1-2 kg/ha
		Heavier crops require maximum rate	2 kg/ha
GRAPES (TABLE GRAPES AND DRIED FRUIT)	1st application	At fruit set	2 kg/ha
	2nd application	Mid season	2 kg/ha
	3rd application	2 weeks before harvest	2 kg/ha
WINE GRAPES	1st application	At fruit set	1-2 kg/ha
	2nd application	Mid season	1-2 kg/ha
	3rd application	3-4 weeks before harvest	1-2 kg/ha
KIWIFRUIT	Multiple applications	Starting at fruit set, Biomin Calcium needs to be applied 4-6 times throughout the season with the last application around 2 weeks before harvest. Heavier crops may require 6 applications	2 kg/ha (per application)
STONE FRUIT AND CHERRIES	1st application	At fruit set	1-2 kg/ha
	2nd application	2-3 weeks later	1-2 kg/ha
	3rd application	2-3 weeks later	1-2 kg/ha
	4th application	2-3 weeks before harvest	1-2 kg/ha
STRAWBERRIES AND ALL BERRY CROPS	3-4 applications	Beginning at fruit set and repeat every month	1-1.5 kg/ha
TOMATOES, CAPSICUM AND OTHER VEGETABLE CROPS	3-4 applications	Beginning at fruit set and repeat every month	1-1.5 kg/ha

For information on application rates and timing for crops not listed on this brochure, please contact your local distributor or visit the RSF website at www.rd2.co.nz.

It is always advisable that a leaf sample be taken before applying fertilisers to best ascertain the levels of elements and the nutrient requirements of the crop.

CHELATION

Chelation is a natural process which occurs within plants. Elements are naturally chelated by plants into amino acid form before entry into the root system. Glycine chelates (amino acid) have been proven to be the most effective in supplying minerals to plants in order to correct nutrient deficiencies.

Glycine is the simplest amino acid with a molecular weigh of 75. Chelates of glycine with cations have been fully studied and the picture here illustrates two moles of ligand (glycine) and one mole of metal forming a true chelate.

Above all, Glycine chelates have been proven to be the most effective, stable and economical products worldwide in the supply of plant nutrients.

BIOMIN®