

# BIOMIN<sup>TM</sup>

## BORON

Soluble Powder,  
Single Mineral Biomin Boron



## GUARANTEED ANALYSIS

Dry Weight Basis %/w/w  
Boron (B) 15.0  
As amino acid Complex

Dry Weight Basis %/w/w  
Nitrogen (N) 0.0  
As amino acid

### GENERAL INFORMATION

**Biomin Boron** 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 Boron** classifies it at the top of the range of all chelated minerals.

**Biomin Boron** 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 Boron** is ideal for all crops.

### ADVANTAGES & BENEFITS

**Biomin Boron** is a bio-available organic plant nutrient that is systemic, readily available and non-phytotoxic.

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

**Biomin Boron** helps :-

- 1) Deliver Boron before flowering to improve the flowering process and thus aids in an improved fruit set
- 2) Helps reduce hen and chicken in table and wine grapes

- 3) Reduce fruit deformation to gain better fruit shape
- 4) Increase elasticity of cell membranes
- 5) Reduce fruit cracking / splitting

**Biomin Boron** plays an important role in providing better skin quality.

**Biomin Boron** aids sugar accumulation in grapes and fruit when applied at or the onset of ripening.

**Biomin Boron** 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 Boron** with other chemicals.

**Biomin Boron** is compatible with almost all fungicides and insecticides.

**Biomin Boron** is **INCOMPATIBLE** with Phosphorous, Calcium and Potassium foliar nutrients.

### PLANT and ENVIRONMENTAL SAFETY

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

**Biomin Boron** is totally harmless to both humans and wildlife and is environmentally friendly.

IMPORTED and DISTRIBUTED EXCLUSIVELY IN NEW ZEALAND BY

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## APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES & PEARS	1 <sup>st</sup> application 2 <sup>nd</sup> application 3 <sup>rd</sup> application	2-3 weeks before flowering Onset of ripening (optional) 6 weeks before dormancy	0.5 — 1 kg/ha 0.5 — 1 kg/ha 0.5 — 1 kg/ha
GRAPES (TABLEGRAPES, &DRIED FRUIT)	1 <sup>st</sup> application 2 <sup>nd</sup> application 3 <sup>rd</sup> application	2-3 weeks before flowering Onset of ripening (optional) 6 weeks before dormancy	0.5 — 1 kg/ha 0.5 — 1 kg/ha 0.5 — 1 kg/ha
WINEGRAPES	1 <sup>st</sup> application 2 <sup>nd</sup> application 3 <sup>rd</sup> application	2-3 weeks before flowering Onset of ripening (optional) 6 weeks before dormancy	0.5 — 1 kg/ha 0.5 — 1 kg/ha 0.5 — 1 kg/ha
KIWI GOLD and HAYWARD	1 <sup>st</sup> application 2 <sup>nd</sup> application 3 <sup>rd</sup> application	2-3 weeks before flowering Onset of ripening (optional) 6 weeks before dormancy	0.5 — 1.5 kg/ha 0.5 — 1 kg/ha 0.5 — 1 kg/ha
STONE FRUIT & CHERRIES	1 <sup>st</sup> application 2 <sup>nd</sup> application 3 <sup>rd</sup> application	2-3 weeks before flowering Onset of ripening (optional) 6 weeks before dormancy	0.5 — 1.5 kg/ha 0.5 — 1 kg/ha 0.5 — 1 kg/ha
STRAWBERRY & ALL BERRY CROPS	3-4 applications	Beginning before flowering and repeat every month or as needed	0.5 — 1 kg/ha
TOMATO, CAPSICUM and other VEGETABLE CROPS	3-4 applications	Beginning before flowering and repeat every month or as needed	0.5 — 1 kg/ha

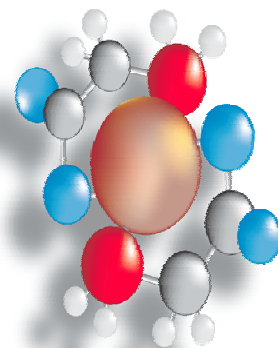
For information on application rates and timing for crops not listed on this brochure, please contact your local distributor or visit the RSF website at [www.rd2.co.nz](http://www.rd2.co.nz)

 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.

### ***Functions of Boron in Plant Nutrition***

*Boron is involved along with Calcium (Ca) in cell wall structure. Boron is involved in the movement of Calcium into the plant and in normal Calcium nutrition in plants and animals. There is a similarity between bone development in animals and cell wall development in plants. For example, "hollow-heart" in peanuts, potatoes and brassicas can occur when a shortage of Boron limits Calcium movement, normal cell wall development, and cell division.*

*Boron is essential in the actively growing regions of plants, such as root tips, and in new leaf and bud development. A shortage of Boron is most often noted by a change in plant structure in these actively growing regions. Boron ensures healthy plant storage tissues and conductive tissues for the transport of water, nutrients, and organic compounds to the actively growing portions in plants.*



**IMPORTED and DISTRIBUTED EXCLUSIVELY IN AUSTRALIA BY ZADCO FOR QUALITY GRO P/L**

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