

BIOMIN™

BOOSTER V

Soluble Powder
Multi-mineral Combination

GENERAL INFORMATION

BioMin™ Booster V is an amino acid chelated multi mineral.

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

BioMin™ Booster V is a readily bio-available plant multi 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™ Booster V is ideal for all crops as it contains all the essential trace elements required for productivity, with additional Magnesium for chlorophyll production.

ADVANTAGES + BENEFITS

BioMin™ products have the smallest molecular size that a chelate can ever have resulting in easy penetration of leaf surfaces.

BioMin™ Booster V aids in improving yields and crop quality when used according to the crops needs.

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

BioMin™ Booster V provides balanced nutrition supplying all essential trace elements, including Molybdenum, a commonly overlooked essential trace element.

BioMin™ Booster V is 100% soluble.

BioMin™ Booster V is an excellent product for pre-flowering and post harvest application of elements to replenish lost reserves of trace elements and Magnesium in all crops, particularly tree and vine crops. This will enable improved bud fertility for bud burst and/or bud movement to proceed smoothly with all the necessary nutrients.



Guaranteed Analysis:

Dry Weight / Basis %	w/w
As amino acid Chelates:	
Magnesium (Mg)	4.0
Zinc (Zn)	4.0
Iron (Fe)	2.6
Manganese (Mn)	2.6
Copper (Cu)	1.5
Boron (B)	1.5
Molybdenum (Mo)	0.5
As amino acid:	
Nitrogen (N)	4.0

COMPATIBILITY

Always run a compatibility test before spraying with other chemicals.

BioMin™ Booster V can also be used in combination with all other BioMin™ products, except BioMin Calcium™.

BioMin™ Booster V is compatible with almost all fungicides, insecticides and herbicides.

BioMin™ Booster V is **INCOMPATIBLE** with Phosphorus, Calcium and Potassium foliar nutrients.

PLANT + ENVIRONMENTAL SAFETY

BioMin™ Booster V is totally harmless to plants even when recommended rates are exceeded. Exceeding recommended rates is however unnecessary.

BioMin™ Booster V is totally harmless to both humans and wildlife and is environmentally friendly.



APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES AND PEARS	1st application	4-6 weeks before dormancy	1-2 kg/ha
AVOCADO	1st application	1-2 weeks before flowering	1-2 kg/ha
	2nd application	When fruit reaches walnut size	1-2 kg/ha
BRASSICAS AND LETTUCE	1st application	At 4-5 leaf stage	1-1.5 kg/ha
	2nd application	Every 2-3 weeks or as needed	1-1.5 L kg/ha
GRAPES (TABLE, WINE AND DRIED FRUIT)	1st application	1-2 weeks before flowering	1-1.5 kg/ha
	2nd application	6 weeks before dormancy	1-2 kg/ha
KIWIFRUIT	1st application	1-2 weeks before flowering	1-1.5 kg/ha
	2nd application	6 weeks before dormancy	1-2 kg/ha
POTATOES, ONIONS AND CARROTS	1st application	Once crop is 1.5cm in height	1-1.5 kg/ha
	2nd application	1-2 weeks before bulking	1-1.5 kg/ha
STONE FRUIT AND CHERRIES	1st application	6 weeks before dormancy	1-2 kg/ha
STRAWBERRIES AND ALL BERRIES	3-4 applications	Once every month beginning at 6-8 true leaf stage	1-1.5 kg/ha
TOMATOES, CAPSICUM AND CHILLIES	3-4 applications	Once every month beginning once plants reach 15-20cm in height	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. These elements can only be utilised in this amino acid form in order to prevent absorbed nutrients from precipitation.

The same principle applies to foliar applied elements. 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 weight of 75. Chelates of glycine with cations have been fully studied and the picture below 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.

