

BIOMINTM

Z-I-M

Zinc, Iron
and Manganese



GUARANTEED ANALYSIS

Dry Weight Basis %/w/w

Zinc	8.5
Iron	4.25
Manganese	5.67

all elements are as true amino acid chelates

GENERAL INFORMATION

Biomin Z.I.M is a true 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 Z.I.M** classifies it at the top of the range of all chelated multi minerals.

Biomin Z.I.M 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 Z.I.M is ideal for all crops.

ADVANTAGES & BENEFITS

Biomin Z.I.M contains bio-available plant nutrients that are systemic, readily available and nonphytotoxic.

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

Biomin Z.I.M helps :-

- 1) Improve the balance of three critical elements; Zinc, Iron and Manganese
- 2) Aid in increasing the levels of Zinc, Iron and Manganese in crops deficient in all three elements simultaneously.

- 3) Increase the levels of these elements in alkaline soils whereby these elements can become rendered most unavailable.

Biomin Z.I.M plays an important role in providing these elements to citrus crops which are most prone to showing deficiencies of all three elements simultaneously.

Biomin Z.I.M is wax soluble therefore can be applied at any stage of growth, not requiring a new flush to penetrate the leaf cuticle.

Biomin Z.I.M 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 Z.I.M** with other chemicals.

Biomin Z.I.M is compatible with almost all fungicides and insecticides.

Biomin Z.I.M is INCOMPATIBLE with Phosphorous, Calcium and Potassium foliar nutrients.

PLANT & ENVIRONMENTAL SAFETY

Biomin Z.I.M is totally harmless to plants even when recommended rates are exceeded. Exceeding recommended rates is however unnecessary.

Biomin Z.I.M is totally harmless to both humans and wildlife and is environmentally friendly.

IMPORTED and DISTRIBUTED EXCLUSIVELY IN NEW ZEALAND BY

ROOTS SHOOTS & FRUITS Ltd

PO Box 72, Waiheke Island, New Zealand

Ph: +64(0)93729155 Fax: +64(0)93729156

E-mail: rsf@rd2.co.nz

Web: <http://www.rd2.co.nz>



APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES & PEARS	1 st application 2 nd application	1 — 2 weeks after fruit set As required (based on leaf analysis)	0.5 — 2 kg/ha 0.5 — 2 kg/ha
GRAPES (TABLEGRAPES, & DRIED FRUIT)	1 st application 2 nd application	2-3 weeks before flowering As required (based on leaf analysis)	0.5 — 2 kg/ha 0.5 — 2 kg/ha
CITRUS	1 st application 2 nd application	2-3 weeks before flowering As required (based on leaf analysis)	0.5 — 2 kg/ha 0.5 — 2 kg/ha
KIWI GOLD and HAYWARD	1 st application	2-3 weeks before flowering * Do not apply ZIM after fruit set	0.5 — 2 kg/ha
STONE FRUIT & CHERRIES	1 st application 2 nd application	1 — 2 weeks after fruit set As required (based on leaf analysis)	0.5 — 1.5 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



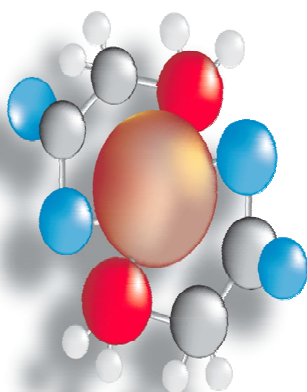
It is always advisable that a leaf sample be taken before applying fertilisers to best ascertain the levels of elements and the nutrient requirements of the crop.

Chelation 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 to the left 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.



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9/9A Foundry Road Seven Hills NSW 2147

Ph: +61(02)98389111 Fax: +61(02)98389110

E-mail: inquiries@zadco.com.au

Web: <http://www.zadco.com.au>

MANUFACTURED BY

JH Biotech, Inc.

4591 Olivas PK. Dr. Ventura

California 93006 USA

Web: <http://www.jhbiotech.com>