SYSTEMIC

BIOMIN™ MOLYBDENUM

Soluble Powder
Single Mineral Biomin Molybdenum

GUARANTEED ANALYSIS

Dry Weight Basis %/w/w
Molybdenum (Mo) 8.0
As amino acid Chelate

Dry Weight Basis %/w/w
Nitrogen (N) 4.8
As amino acid

GENERAL INFORMATION

Biomin Molybdenum is an 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 Molybdenum** classifies it at the top of the range of all chelated minerals.

Biomin Molybdenum 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 Molybdenum is ideal for all crops, especially cucurbits and brassicas. All crops require Molybdenum, even in trace amounts.

ADVANTAGES & BENEFITS

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

Biomin Molybdenum is very stable in formulation

Biomin Molybdenum:-

1) Is a highly systemic form of Molybdenum that can be used when severe Molybdenum deficiencies exist.
2) Promptly rectifies Molybdenum deficiencies.
3) Has shown phenomenal results on crops such as cucurbits, brassicas and vines which respond significantly to Molybdenum applications.

Biomin Molybdenum is used for the conversion of nitrates of ammonium. Molybdenum aids the plant to better utilise Nitrogen applications.

Biomin Molybdenum is wax soluble, therefore is extremely available to the plant and only small amounts of this element are required to achieve desired results.

COMPATIBILITY

Always run a compatibility test before spraying **Biomin Molybdenum** with other chemicals.

Biomin Molybdenum is compatible with many fungicides and insecticides.

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

PLANT and ENVIRONMENTAL SAFETY

Biomin Molybdenum is totally harmless to plants. Exceeding recommended rates is not recommended and unnecessary.

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

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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

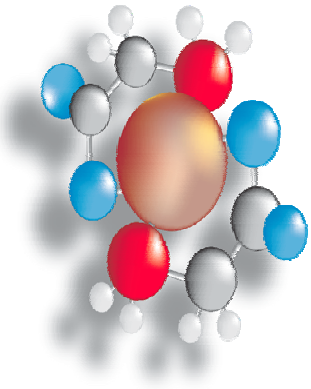
APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES & PEARS	1st application	As needed *** Trace amounts of Molybdenum are required**	100grams — 500grams / ha
GRAPES (TABLEGRAPES, &DRIED FRUIT)	1st application	As needed *** Trace amounts of Molybdenum are required**	100grams — 250grams / ha
WINEGRAPES	1st application	As needed *** Trace amounts of Molybdenum are required**	100grams — 250grams / ha
KIWI GOLD and HAYWARD	1st application	As needed *** Trace amounts of Molybdenum are required**	100grams — 500grams / ha
STONE FRUIT & CHERRIES	1st application	As needed *** Trace amounts of Molybdenum are required**	100grams — 500grams / ha
BRASSICAS and ONIONS	2-3 applications	As needed (based on plant requirements) *** Trace amounts of Molybdenum are required**	100grams — 250grams / ha
TOMATO, CAPSICUM and other VEGETABLE CROPS	2-3 applications	As needed (based on plant requirements) *** Trace amounts of Molybdenum are required**	100grams — 250grams / ha

For information on application rates and timing for crops not listed on this brochure, please contact your local distributor or visit the Zadco website at www.zadco.com.au

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 Molybdenum in Plant Nutrition



Molybdenum is a co-factor in enzyme nitrate-reductose. It aids in the conversion of nitrates of ammonium and is also essential for Rhizobia to enable legume crops to fix aerobic (atmospheric) nitrogen. Molybdenum also helps plants to utilise nitrate nitrogen and is involved in phosphate and iron metabolism. All of these factors make Molybdenum a critical element to apply to almost all crops. In the absence of this element, plant growth and productivity is adversely affected.

The conditions that reduce the availability of Molybdenum are:- 1) low soil pH, especially if the soil contains aluminium or iron oxides, 2) soils with high copper, 3) soils with low phosphate, and 4) soils derived from parent materials low in molybdenum.

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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