BiOSiNC

BOR-MOL

BiOSiNC

BIOSINC BOR-MOL IS A WATER-SOLUBLE FERTILIZER CONTAINING BORON AND MOLYBDENUM, SPECIFICALLY DESIGNED FOR USE AS FOLIAR FEED TO MAINTAIN OR CORRECT BORON AND MOLYBDENUM LEVELS.

BENEFITS

- Super concentrated easy to use free-flowing formulation compatible with a wide range of agricultural products. Versatile use for foliar, soil drench or fertigation applications.
- Improved pollination and fruit set
- Unique formulation designed to support the vegetative cycle, fruit and foliar development ensuring strong growth and improved reproductive viability.
- Improved plant health, fungal and disease resistance

THE ROLE OF BORON

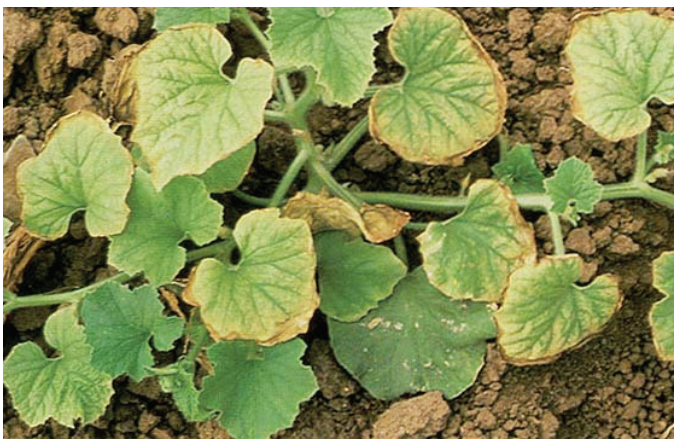
Boron is a trace element essential to many functions of the plant. It is actively involved in the transportation of sugars across cell walls, and in the synthesis of cell wall material and the regulation of water within the cells. As a direct effect of boron availability to necessitate these functions, deficiencies of the trace element will result in stunted plant growth and development. Boron is closely linked to the reproductive process of the plant in that pollen production is greatly influenced by the availability of Boron. Sufficient available quantities are essential for the production of pollen and for pollen viability.

Boron Deficiency

THE ROLE OF MOLYBDENUM

Molybdenum is essential for the formation of enzymes required in the plants use of nitrogen, helping to transform nitrate-nitrogen into amino acids, and for nitrogen fixation in legume crops. Deficiencies are more common on acid soils

Molybdenum Deficient Cabbage



Molybdenum Deficient cient Broad-leaf Plants

PRODUCT CHARACTERISTICS

Specific Gravity: 1,38 Colour: Light Purple

Analysis	Weight/Volume Percent (w/v)%	Weight/Volume Percent (w/v)%
Boron (B)	153 g/l	111 g/kg
Molybdenum (Mo)	32 g/L	23 g/kg

DIRECTIONS FOR USE (USE ONLY AS DIRECTED). Use lower rates as maintenance and higher rates to correct de ciencies.

CROP	RATE / ha	COMMENTS
BERRIES	500 – 750 mL	Commence at fowering. Evert second week in combination with Calcium applications. Apply in 300 L water.
STRAWBERRIES	500 – 750 mL	Two weeks after transplant. Evert second week in combination with calcium applications. Apply in 300L water/ha
ONIONS, GARLIC	1 – 2 L	Apply at pencil stage. Apply with bulb initiation. Appy during bulb stage. Apply 14 days later. Apply in 200 - 400 L water/ha.
POTATOES, SWEET POTATOES	1 – 2 L	Apply 1 week post emergence. Apply 4 weeks post emergence. Apply 8 weeks post emergence. Apply in 300 - 500 L water/ha.
BEETROOT, CARROTS	1 – 2 L	Apply as soon as defciency symptoms are noticed. Apply 14 days later. Apply in 200 - 400 L water/ha.
COTTON	1 – 2 L	Apply at 3-4 leaf stage. Apply 14 days later. Apply in 200 - 300 L water/ha.
CRUCIFERAE	1 – 2 L	Apply as soon as defciency symptoms are noticed. Apply 14 days later. Apply in 200 - 400 L water/ha.
CUCURBITS	1 – 2 L	Apply as soon as defciency symptoms are noticed. Apply 14 days later. Apply in 200 - 400 L water/ha.
MAIZE, SORGHUM	1 – 2 L	Apply at 3-4 leaf stage. Apply 14 days later. Apply just before tasseling stage. Apply in 200 - 300 L water/ha.
BARLEY, OATS, WHEAT	1 – 2 L	Apply at 3-4 leaf stage. Apply 14 days later. Apply at flag leaf stage Apply in 200 - 300 L water/ha.
GRAPES	1,5 – 2 L	Apply just before flowering stage. Apply post-harvest. Apply in 500 - 1000 L water/ha.
LETTUCE, SPINACH	1 – 2 L	Apply as soon as deficiency symptoms are noticed. Apply 14 days later. Apply in 200 - 400 L water/ha.
LEGUMES	0,5 – 1 L	Apply at 3-4 leaf stage. Apply 14 days later. Apply just before flowering stage. Apply in 200 - 300 L water/ha.
FIGS, OLIVES, POMEGRANATES	1 – 2 L	Just before flowering. Directly post-harvest. Apply in 500 – 1000 L water/ha
MACADAMIA, PECAN, WALL NUTS	2 – 4 L	Apply at bud burst. Apply just before flowering stage. Apply directly post-harvest. Apply in 1000 – 3000 L water/ha.
CANOLA, SOY BEANS	0,5 – 1 L	Apply at 3-4 leaf stage. Apply 14 days later. Apply just before flowering stage. Apply in 200 - 300 L water/ha.
SUNFLOWER	1 – 2 L	Apply at 3-4 leaf stage. Apply 14 days later. Apply just before flowering stage. Apply in 200 - 300 L water/ha.
PASTURES AND LAWNS	1 – 2 L	Apply when growth is sufficient to absorb nutrients. Allow at least 15 cm regrowth after successive cuttings. Apply in a minimum of 300 L water/ha. Withhold animal grazing for 10 days.
POME FRUIT	1.5 – 2.0 L	30% bloom. Second application at fruit set. Directly post-harvest. Apply in 1000-2000L water/ha
SOLANACEOUS CROPS	1 – 2 L	Apply just before flowering stage. Apply 14 days later. Apply in 200 L water/ha.
TOBACCO	1 – 2 L	Apply as a full cover spray 3 weeks after successful transplant. Apply 14 days later. Apply in 500 L water/ha.
STONE FRUIT	1.5 – 2.0 L	Apply at bud burst. Apply at 100% petal drop. Apply directly post-harvest. Apply in 2000-3000 L water/ha or according to Tree Row Volume
SUGAR, GINGER	1 – 2 L	Plant cane 1 week after establishment. Apply in 300 L water/ha.
AVOCADOS	1 – 2 L	Cauliflower stage. Full bloom. Use higher rate if Boron levels are below 30ppm according to leaf analysis. Ensure adequate coverage of flower trusses. Apply in 3000-5000L water/ha
GUAVAS	1 – 2 L	Apply with the onset of flowering. Apply in 1500-5000L water/ha
LYCHEES, MANGOES	1 – 2 L	Apply with the onset of flowering. 2 weeks later. Ensure adequate coverage of flower trusses. Apply in 2000L water/ha
CITRUS	1 – 2 L	Green tip (balloon stage). November fruit fall. Apply in 1000-4000 L of water/ha
OTHER CROPS	1 – 2 L	Apply when deficiency symptoms occur. Repeat 2-3 applications with 14 day intervals. Apply in a minimum of 500 L water/ha.

See label for information on Storage and Handling.

NOTE

- All suggested application rates are for typical Australian conditions, and should be used as guidelines only. Individual conditions; climate, water quality, soil type and application practices may differ necessitating corrections to ensure optimum results.
- Ideally, brix or leaf tests should be conducted on a regular basis to determine plant nutrient levels at each growth stage. It is highly recommended to conduct soil tests at least once a year.
- Avoid application under extreme weather conditions; temperatures over 28°C, high humidity, frost or rain. - Apply using a minimum of at least the labelled dilution rate to avoid potential leaf burn.
- It is advisable, when applying for the first time or in conjunction with other products, to spray an initial small test area for observation before general application

MIXING

Shake container thoroughly before use. Follow the standard tank mixing procedure if this product is applied in combination with other agricultural products. Ensure good agitation throughout application.

COMPATIBILITY

BiOSiNC Bor-Mol could raise the pH of the spray water, therefore the use of a suitable Bu¬ffer is recommended when using BiOSiNC Bor-Mol in combination with pH sensitive remedies. It is however advisable to do a miscibility test prior to mixing BiOSiNC Bor-Mol with other agricultural products.