

MAXI MANG[®]

5% N, 50% Mn



A high analysis source of manganese, ideal for foliar & seed dressing treatments across a wide range of crops

BENEFITS OF MAXI MANG

- Incorporating Agrichem's SC Technology delivering rapid foliar uptake, followed by 4 – 6 weeks of extended uptake.
- Delivers 7 times the Manganese of EDTA chelates such as SUPA MANG
- Delivers more than 50% more manganese than manganese sulphate
- Enhanced uptake = lower application rates & less wastage
- Corrects manganese deficiency
- Assists nitrate assimilation
- Sustains growth in plants

THE IMPORTANCE OF MANGANESE

Manganese is essential as an enzyme activator which helps with nitrate assimilation. It is also primarily involved in photosynthesis and chlorophyll production and is important in the production of lignin. In CAM (Crassuaceam acid metabolism) plants (e.g. pineapples) and plants that fix their carbon at night, Mn is essential for carbon dioxide assimilation.

THE ROLE OF NITROGEN

Nitrogen is the major building block in protein and chlorophyll. It is also essential for lipid and cytoplasm formation. Highly mobile in the plant, it is translocated and utilised in the growing tips.

MAXI MANG®

CHARACTERISTICS: pH: 8 – 9.5 ; Specific Gravity: 1.83 – 1.86

AUS Analysis W/V%: 4.6% N, 50% Mn.

International Analysis W/W%: 2.5% N, 27.1% Mn.

APPLICATION

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 0.75 - 2 L/ha** in a minimum of 50 - 75 L final spray volume. **Fertigation: 1 - 2 L/ha** water injection or down the tube. Best applied at 3 – 4 true leaf, may be used at other growth stages. For maintenance, use the higher rate.

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 0.5 - 1 L/ha** in a minimum of 300 - 600L final spray volume. **Fertigation: 1 - 2 L/ha.** Spray at early bud, post petal fall. Apply post-harvest at higher rates of 3L/ha **Note: Avoid applications during flowering.**

EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia, Lychee. **Foliar: 1 - 2 L/ha** in a minimum of 300 - 600L final spray volume. **Fertigation: 1.5 - 2 L/ha.** Apply to recently hardened spring flush or during active growing period & post-harvest.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar: 1 - 2 L/ha** in a minimum of 80 - 160L final spray volume. **Fertigation: 1 - 3 L/ha.** Apply at regular intervals from 5th leaf until 14 days pre harvest. Fertigate regularly to replenish nutrients.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 1 - 2 L/ha** in a minimum of 80 - 160L final spray volume. **Fertigation: 1 - 3 L/ha.** Apply when leaf area sufficient to intercept spray. Repeat, if required.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 1 - 2 L/ha** in a minimum of 80 - 160L final spray volume. **Fertigation: 1 - 2 L/ha.** Foliar spray, early season or when leaf area is sufficient to intercept spray. Apply with compatible crop protection sprays.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 1 - 2 L/ha** in a minimum of 300 - 600L final spray volume. **Fertigation: 1 - 2 L/ha.** Apply 3 sprays: 1 at shoot 30 – 40cm with a further 2 sprays at 21 day intervals. **DO NOT apply at more than 4x label rate.**

Fertigation rates are dependent on seasonal nutrient demand. Agitate contents well prior to application.

SEED DRESSING

Barley, Cotton, Oats, Triticale, Wheat: At a rate of **2 – 6 L / Tonne seed.** **Canola:** At a rate of **15 – 20 L / Tonne seed.** **Grain Legumes:** At a rate of **2 – 6 L / Tonne seed.** **Maize, Rice:** At a rate of **2 – 6 L / Tonne seed.** Mix with sufficient water or compatible liquid plant protection products to ensure adequate coating of seed. If using lower rates follow up tissue tests may be required to determine the need for foliar applications post emergence. If applied without dilution uneven seed coverage may occur. Apply 1 – 3 L water tonne seed, depending on seed moisture content & ambient air temperature. Some of the water may be substituted with Kelpak® (a plant growth promoter) at **1 – 2 L / tonne of seed**, with the upper rate being applied to small seeds such as Canola. Kelpak® assists germination process & encourages root development. MAXI MANG is not compatible with rhizobia inoculant products. **Potato Seed Piece: 5 - 15L/ha.** Minimum dilution 1:20. Apply in minimum of 200L water/ ha with compatible plant protection product, seed piece spray. **Sugar cane billet spray / dip: 3 - 15L/ha.** Minimum dilution 1:20. Apply with compatible fungicide treatment at planting.

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NOTE: The suggested rates of application of the Product are designed for typical Australian conditions and should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28°C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.