ACTIVIST MAG-FLO®

25% Magnesium + 1.7% Nitrogen + Trace Elements

A high analysis, activated source of magnesium for the correction and prevention of magnesium deficiencies

BENEFITS OF ACTIVIST MAG-FLO®

- 2.5 times more magnesium than Epson salts (magnesium sulphate).
- Incorporating Agrichem's Activist® Technology delivering a longer lasting uptake, followed by 4 - 6 weeks of uptake.
- Contains Agrichem cofactors to "Activate" the uptake of Magnesium. Enhanced uptake = lower application rates & less wastage.
- Highly micronised, controlled release, low salt index magnesium suitable for all crops.
- Reduces frequency of magnesium applications.
- Contains synergistic micronutrients to enhance inplant sugar production.
- Soil health and rejuvenation. Increasing the pH in acidic soils will assist in removing some deficiencies.

THE ROLE OF MAGNESIUM

Magnesium forms an essential part of chlorophyll structure. This is essential for photosynthesis and therefore most other plant functions, particularly the uptake and mobilisation of other plant nutrients, specifically phosphorus. Magnesium is very mobile in the plant and deficiencies are seen in the old leaves with inconsistent chlorosis. Magnesium is an essential part of the ATP activation process that helps in energy storage in cell catalysing various enzyme systems that regulate metabolic processes. Magnesium deficiencies lead to abnormal growth patterns associated with reduced yield and quality.

THE ROLE OF TRACE ELEMENTS: IRON, MANGANESE & ZINC

The complex interaction between magnesium and these key trace elements, specifically iron, manganese and zinc, are often encountered by growers which commonly find identifying the nutrient deficiency responsible for leaf yellowing and chlorotic symptoms difficult.

THE ROLE OF ACTIVIST MAG-FLO® IN SOIL PH AMENDMENT

ACTIVIST® MAG-FLO helps improve the soil pH from acidic range to neutral upon consistent use via drip irrigation or soil drench. The micro-fine carbonates of calcium and magnesium neutralises the aluminium and iron phosphates in acid soils. Do not apply in high pH soils.

Exclusively distributed by:
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ACTIVIST MAG-FLO®

CHARACTERISTICS: pH: 9.5 – 11.5; Specific Gravity: 1.38 – 1.41

AUS Analysis W/V%: 1.7% N, 25% Mg, 0.25% Ca, 0.15% Fe, 0.15% Zn.
International Analysis W/W%: 1.2% N, 0.18% Ca, 18.0% Mg, 0.15% Fe, 0.11% Zn.

APPLICATION

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 1.5 – 3 L/ha** in a minimum of 30 – 60L final spray volume. Foliar spray, early tillering to jointing stage.

CUT FLOWERS & ORNAMENTALS OPEN FIELD: Such as Carnations, Gypsophilla, Roses & Statice. **Fertigation: 5 – 10 L/ha.** Foliar spray 10 – 14 days post transplant. Repeat at 7 – 14 day intervals, depending on severity of deficiency.

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear , Pistachio and Walnut.
Foliar: 3 – 4L/ha in a minimum of 450 – 600L final spray volume. **Fertigation: 20 – 30 L/ha.** Foliar spray 3 treatments: petal fall & at 14 day intervals thereafter. Fertigation as required.

EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia, Lychee. **Foliar: 2 – 4L L/ha** in a minimum of 300 – 600L final spray volume. **Fertigation: 5 – 10 L/ha.** Treatments at spring & autumn flush or when magnesium levels are low.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes (field), Watermelons, Pumpkins. **Foliar: 3 – 5L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 15 – 20 L/ha.** Apply when plants are 150mm high and repeat at 10 day intervals, or as required.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 3 – 5L L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 5 – 10 L/ha.** Foliar spray 10 – 14 days post transplant. Repeat at 7 – 14 day intervals, depending on severity of deficiency.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 3L** in a minimum of 300 final spray volume. **Fertigation: 15 – 20 L/ha.** Two foliar treatments: one week after 100% emergence, repeat 14 days later, to improve dry matter.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 2.5 – 4 L/ha** in a minimum of 175 – 280L final spray volume. **Fertigation: 5 – 10 L/ha.** Foliar spray 3 treatments: shoots 10cm, flower buds separated & fruit set. For table grapes last treatment to be 1 month prior to harvest. For grape stalk necrosis, Foliar: 3-5 L/ha in a minimum of 300-500L final spray volume at pea sized berries, veraison & one month prior to harvest.

Fertigation rates are dependent on seasonal nutrient demand and soil acidity.

Agitate contents before use.

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^{oC}, 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.