



ACTIVIST MAG-FLO[®] TURF

25% Magnesium, 1.7% Nitrogen & Trace Elements

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



Benefits of Activist Mag-Flo[™]

- ✓ Incorporates Agrichem's Activist Technology delivering both a rapid uptake profile as well as a residual effect, whilst maintaining turf safety
- ✓ Contains a range of trace elements that effectively 'activate' the uptake of magnesium
- ✓ Enhanced uptake means lower application rates and less wastage
- ✓ Micro-fine particles ensure even coverage and effective plant uptake
- ✓ High analysis product reduces quantity of product needed and saves on freight costs
- ✓ Free flowing formulation makes it easy to decant into spray equipment, mixing tanks and irrigation
- ✓ Can be applied with a wide range of other agricultural chemicals, reducing the number of spray applications needed

MAGNESIUM DEFICIENCY

Common signs of magnesium deficiency are:

- Strong yellowing between main leaf veins
- Old leaves are affected first
- Stunted growth

THE ROLE OF MAGNESIUM: Magnesium forms an essential part of chlorophyll structure. This is essential for photosynthesis and therefore most other turfgrass 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 can lead to stunted growth.

THE ROLE OF TRACE ELEMENTS Calcium, Iron, Manganese & Zinc: There are complex interactions between magnesium and the key trace elements of iron, manganese, and zinc within Activist Mag-Flo, which increase the uptake and utilisation of the applied magnesium for maximum benefit to turf.

The nutrient in this formulation becomes available to the plant as the micron-sized particles become re-wetted. As this drying/wetting cycle happens on a daily basis, so the nutrients become available and are released in a controlled manner. This cycle of slow release can take place for up to 6 weeks.

Activist MAG-FLO is a high analysis Magnesium product that contains a range of complementary micronutrients that have proven to be the precursors for critical enzymes responsible for effectively 'ACTIVATING' Magnesium for effective turf uptake and growth. The Magnesium in this formulation becomes active during the nightly rewetting cycle, creating a slow release effect.

Product Characteristics

Specific Gravity: 1.37 Colour: Beige suspension

| Analysis | Australia (w/v%) | International (w/w%) |
|----------------|------------------|----------------------|
| Magnesium (Mg) | 25.0 | 18.0 |
| Nitrogen (N) | 1.7 | 1.2 |
| Calcium (Ca) | 0.22 | 0.16 |
| Iron (Fe) | 0.21 | 0.15 |
| Manganese (Mn) | 0.15 | 0.11 |
| Zinc (Zn) | 0.15 | 0.11 |

Directions for use



Foliar Spray



Fertigation

| CROP | RATE / ha | MIN DILUTION* | COMMENTS |
|------------------|--|---------------|--|
| TURF Fairways | 10 - 40 L or 100- 400 ml / 100 m ² | 1 : 10 | Where magnesium requirements are high, apply to fairways and irrigate well to eliminate residues. Dry leaf analysis of healthy turf should contain mg levels between 0.1 - 0.5% on couch grass and 0.25 - 0.3% on bent grass. |
| Greens | 10 L or 100ml/100 m ² | 1 : 10 | |



MINIMUM DILUTION : A dilution of 1 : 100 means 1 part product : 100 parts water.
In hot weather, use the higher dilution rates.

