



HydraFlow

MAGNESIUM 5

5% Magnesium EDTA / Hydroxy-Carboxylate

HydraFlow Magnesium 5 is a formulated complex to give extra protection to the magnesium molecule for the correction of deficiencies in horticulture, orchards, vineyards and broadacre cropping.

The timing of Magnesium applications is most critical to ensure maximum production and quality from any crop. Applications as early as possible in the plants growth cycle will ensure enough magnesium is present to cater for the plants physiological needs. Magnesium should be applied if deficiencies are already known.

THE FUNCTION OF MAGNESIUM

Magnesium, like all other nutrients, is required in adequate amounts to sustain and promote quality crops. Undoubtedly the most useful tool in maintaining growth without enhancing excessive growth is Iron. In combination with Iron, Magnesium completes the Chlorophyll cycle by being central to its structure. Magnesium as a dissociated or dissolved ion will enter the plant via the leaf or the root system and form the central position in the Chlorophyll structure. The application of Magnesium will increase Chlorophyll production.

THE FUNCTION OF EDTA CHELATES

A chelate is an organic structure which has ligands (fingers) that wrap around the individual trace element protecting it from chemical attack, decomposition and the influence of pH. The result of this protection is increased availability, solubility and stability, so no lock-up occurs in the soil or spray tank mix. The amount of ligands and level of protection will vary from chelating agent to chelating agent. The EDTA complex is unique, as it has four (4) ligand (finger) sites for

chelation. This means the stability of these complexes across the trace element spectrum is extremely high under influences such as pH, temperature and decomposition.

GUARANTEED ANALYSIS		W/V%	W/W%
Magnesium	(Mg)	5.00	4.00

CROP	RATE: L/ Ha	WATER*
Vines	5	1 : 100
Broadacre	2 - 5	1 : 20 - 40
Vegetables	3 - 6	1 : 100
Tree Crops	4 - 8	1 : 100

A dilution of 1 : 100 means 1 part product : 100 parts water. In hot weather, use the higher dilution rate where applicable.