



MagSuper 80

80 g/L Magnesium as nitrate
For the prevention and correction of magnesium
deficiency by foliar application



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Net Contents: 10 Litres
Packed in Cartons of 2 x 10 litres

PLEASE READ ENTIRE LABEL AND SAFETY DATA SHEET BEFORE USE.

Magnesium is fundamental to plants for the production of chlorophyll. Crops such as cereals (including maize), vegetables, brassicas, root crops, potatoes and sugar beet are all sensitive to critical levels of magnesium at various stages of their development. Both high and low pH soils, chalky soils, those that are heavily leached, compacted soils and dry soils or those where root development is restricted are likely to produce magnesium-deficient crops. High levels of nitrogen or potash also limit the availability of magnesium.

Headland MagSuper 80 is a liquid formulation containing magnesium as the highly soluble and plant available nitrate. Plants can use nitrates up to 25% more efficiently than the same amount of element from a formulated sulphate and the solubility of nitrates allows more concentrated formulations to be produced.

HAZARD CLASSIFICATION: 6.3B, 6.4A

WARNING: This product should not be swallowed or inhaled. May cause skin and eye irritation. Avoid contact with skin or eyes.

FIRST AID: If swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with running water. If splashed in eyes, wash out immediately with water.

PERSONAL PROTECTION: Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear waterproof gloves, eye protection, boots and overalls. DO NOT eat, drink or smoke while using. Wash splashes of concentrate from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

STORAGE: Store in original container, tightly closed and in a dry, cool area away from direct sunlight and foodstuffs. Protect from frost, store above 5 °C.

SHELF LIFE: Very stable. Stores for at least 2 years from the date of manufacture in normal agricultural chemical storage conditions.

DISPOSAL: Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an approved disposal facility.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the MSDS available from Zelam Ltd or www.zelam.com.

Approved pursuant to the HSNO Act 1996: Fertilisers (Subsidiary Hazard) Group Standard HSR002571. See www.epa.govt.nz for approval conditions.

MIXING AND APPLICATION: Shake the container before opening and use. Half fill the spray tank with clean water and begin agitation. Add the required quantity of Headland MagSuper 80. Add the rest of the water and spray immediately. The use of Headland Guard 2000 at 0.1% v/v (200ml per 200 litres of water) is recommended to improve spray retention and rainfastness.

EMERGENCY PHONE: 0800 CHEMCALL – 0800 243 6225

RATES OF USE: 1.25 l/ha – 6.0 l/ha in at least 200 litres of water/ha

NOTE: A crop's nutrient status can only be determined accurately by tissue analysis. Headland recommends that tissue analysis results are used whenever possible to optimise micronutrient applications.

Cereals: Yield depression can result from a deficiency of magnesium in the flag leaf at GS32. Wheats have shown quality improvements from a further application from GS39-59.

Up to GS31: Marginal deficiency apply 1.25 l/ha

Moderate deficiency apply 2.5 l/ha

GS32: Apply 3 – 6 l/ha

GS39 – 59: Apply 3 – 6 litres/ha

Maize: Has a high requirement for magnesium. Transitory shortage should be avoided in order to promote optimum growth as early as possible.

Apply 3 – 6 l/ha at the 4 – 8 leaf stage

Potatoes: Magnesium is important to potatoes due to its role in carbohydrate production. It can also improve quality by minimizing internal blackening and bruising. Apply 3 - 5 litres/ha once there is sufficient leaf to absorb the spray and continue the programme of 3 - 4 applications over the season.

Sugar beet: Apply 3 l/ha from the 6-8 expanded leaf stage or as indicated by tissue analysis

Vegetables and Brassicas: Apply 3 l/ha from the 4 - 6 fully expanded leaf stage or as indicated by tissue analysis.

Oilseed Rape: Adequate magnesium levels are essential to ensure good crop establishment. Apply 3 l/ha when the crop has reached the 4 leaf stage of growth and has sufficient leaf area to absorb the spray.

Apples: Apply 3 l/ha from petal fall. Apples are likely to need three applications 2-5 weeks apart or apply according to tissue analysis.

Grapes: Apply 3 l/ha from the end of flowering.

Three applications, 3 - 5 weeks apart are likely to be required.

COMPATIBILITY: Headland MagSuper 80 is physically compatible with most spray applied agricultural chemicals. Consult your distributor for the latest information. Alternatively, up-to-date compatibility information may be found at www.headland-ag.co.uk. Read the label of the partner product carefully before mixing with Headland MagSuper 80. Headland MagSuper 80 is incompatible with 2,4D-B/MCPA, dimethomorph+mancozeb and cyprodinil.

NOTICE TO BUYER: The manufacturer and vendors of Headland MagSuper 80 warrant the formulation to contain the specified active ingredients within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

