

 **MAS-Power™ Mg**
8% Magnesium w/v

MAS-Power Mg is a unique formulation designed for use as a premium foliar magnesium combined with Engage Agro's Mineral Assimilation System (MAS).

The formulation maximises the efficacy of the spray by aiding the penetration, distribution and assimilation of magnesium in the plant.

Ranked as the highest grade of magnesium manufactured for the agriculture and horticulture industry in North America.

According to leading international plant nutritionists, MAS-Power Mg is the most efficient, in crop, magnesium foliar fertiliser.

CROPS

Most agricultural and horticultural crops including:

-  Cereals
-  Legumes
-  Oilseed Rape
-  Fruiting Vegetables
-  Root Crops
-  Grassland

The role of Magnesium

- › Magnesium is an essential element for a number of plant functions.
- › Magnesium plays a major role in the process of photosynthesis and translocation within the plant and rootzone.
- › Magnesium is used in large quantities during fruit expansion therefore the lower leaves of a plant will generally be the first to show any deficiency symptoms as it moves the nutrient to the fruit.
- › Magnesium also enhances nutrient uptake and increases iron utilisation. Soils with a low pH have reduced magnesium availability whereas higher pH soils have increased availability of magnesium. Soils with high levels of calcium and potassium can also reduce the accessible, magnesium to the plant.

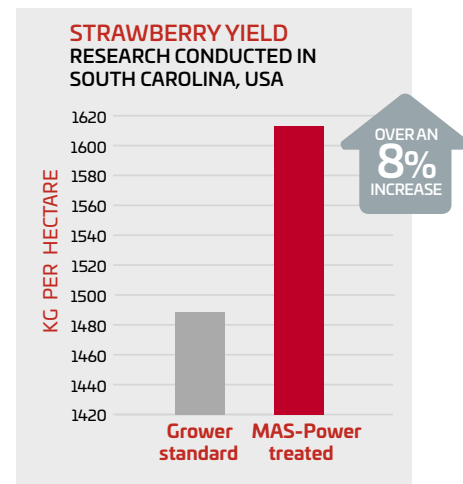
Use

- › To correct nutrient deficiency
- › Aid the mobility of sugars in the plant
- › Boost chlorophyll performance
- › Support optimum fruit development

Trial data

A MAS-Power Mg trial programme increased the total yield of four pickings by over 8% (1,488.8 Kg/ha versus 1,612.8 Kg/ha). Measurements were taken at 24, 28, 34 and 38 days after application.

There was also an increase in sugar content of the strawberries at three of the four measurements. There was a 30% yield increase on the second picking.



CONTROL

MAS-POWER TREATED





Crop timings and application rates

Crop	No of applications	Timings	Rate litres/ha
Cereals	3-5	1st 2-6 leaf stage 2nd Tillering-GS31 3rd - 5th GS39-GS69	3.0-5.0
Sugar Beet	2	1st 4-6 leaf stage 2nd 8-12 leaf stage	3.0 7.0
Oilseed Rape	2	1st 4-6 leaf stage 2nd Stem extension	4.0-7.0
Brassicac	2	As required from tissue analysis 4-6 leaf stage Repeat at 10-14 days intervals	5.0-7.0
Leafy Salads	2	As required from tissue analysis Repeat at 10-14 day intervals	2.0
Potatoes	2-3	From 1 week after full emergence (Repeat after 14 days if necessary) 2nd During tuber bulking	3.0 3.0 5.0-7.0
Root Crops	2	As required from tissue analysis Repeat at 10-14 day intervals	4.0-7.0
Legumes	2	Repeat as necessary from 10-15cms tall 10-14 day spray intervals	4.0-7.0
Top Fruit	2	1st Bud burst (if known deficiency) 2nd Petal fall	5.0-7.0
Stone Fruit	2	1st Bud burst (if known deficiency) 2nd Petal fall	3.0-5.0
Soft Fruit	1	Early bud formation	5.0

MAS-Power Mg is compatible with most known pesticides and is ideal to sit within tank mixes. It is advisable to conduct a jar test where tanks mixes contain multiple products or where a new pesticide is being used for the first time.

Water recommendation: 200 litres – 1000 litres/ha depending on crop.

For more detailed application rates per crop, please visit www.engageagroeuropa.com or speak to an Engage Agro advisor.

Always read the label before use.

Chorley Business & Technology Centre | Euxton Lane | Euxton | Chorley | Lancashire | PR7 6TE

t: + 44 (0) 1257 226590 e: info@engage-agro.com

www.engageagroeuropa.com