



MAS-Power[®]

Foliar Nutrients

MAS-Power Foliar nutrients are unique formulations, containing both secondary and trace elements plus bio-activators to maximise application efficacy and reduce crop stress.

MAS-Power Foliars are designed to address specific nutrient requirements and abiotic stresses, during a crops critical growth stages.

MAS-Power technology is proven to increase foliar nutrient uptake and assimilation therefore levels of application can be lower without any loss of efficacy.

MAS-Power also improves the metabolism in the plant and will with continued use lead to an improved root to shoot ratio, thus promoting overall plant health and vigour.

MAS-Power Foliar nutrients are designed to supplement a balanced fertiliser program.

CROPS

Most agricultural and horticultural crops including:

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|  Cereals |  Sugar Beet |
|  Sugar Beet |  Vines |
|  Oilseed Rape |  Peas |
|  Field Brassicas |  Beans |
|  Root Crops |  Soft Fruit |
|  Potatoes |  Top Fruit |
|  Leafy Salads |  Ornamentals |

Use

- MAS supports the Indole Buteric Acid (IBA) pathway resulting in higher levels of IBA in tissues which leads to better root growth and development.
- MAS supports the synthesis of zeatin, which is a cytokinin that promotes shoot growth.
- MAS helps maintain favourable xylem pressure potential and enhances elastic modules of the xylem.
- MAS aids the regulation of stomatal closure which will reduce transpiration when a crop is under stress.
- MAS reduces ethylene synthesis under stress conditions. Ethylene increases membrane fluidity water leakage leading to wilting in plant tissues, therefore MAS treated plants have better water use efficiency.
- Stressed plants have higher free radicals, which induces lipid peroxidation and leads to membrane de-stability. MAS acts as an antioxidant to prevent build-up of free radicals in tissues.



MAS application to young wheat plants





MAS-Power range and application rates

MAS-Power nutrients	Product name	% Nutrient
Magnesium	Mg	16.6% MgO w/v 
Manganese	Mn	15.0% Mn w/v
Boron+Molybdenum	B+Mo	15.0% B + 0.45% Mo w/v
Zinc	Zn	12.0% Zn w/v
Copper	Cu	4.5% Cu w/v 

MAS-Power nutrients	Crop and Application rates L/ha								
	Cereals	Oilseed Rape	Brassicac	Root crops	Salad crops	Legumes	Bulb crops	Top fruit	Soft fruit
Magnesium	1.0-2.0	1.0-2.0	5.0-7.0	4.0-7.0	2.0	4.0-7.0	4.0	5.0-7.0	2.0-3.0
Manganese	0.5-1.5	0.5-1.5	2.0-3.0	1.5-3.0	1.0-2.0	3.0	*NR	2.0-3.0	1.0-2.0
Boron+Molybdenum	1.0-3.0	1.0-3.0	1.0	2.0-3.0	1.0-2.0	2.0	2.0	1.0-2.0	1.0-2.0
Zinc	0.7-1.5	0.7-1.5	2.0-3.0	2.0	1.0	2.0	2.0	1.0-2.0	1.0-2.0
Copper	0.4-2.0	0.4-2.0	1.0	1.0-2.0	0.25	1.0-2.0	*NR	0.5-1.0	0.25-0.5

*No Requirement for crop in most UK soils.

Applications to be given in 200-800L water per ha depending upon crop.

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

When using on a crop for the first time it is always advisable to test a new product on a small area before widespread use.

MAS-Power Foliars contain high levels of nutrients which are highly available to crop and should therefore only be used at recommended rates.

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

Always read the label before use.

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