

MAS-Power™ Cu

7.2% Copper w/v

MAS-Power Cu is a unique formulation designed as a premium copper foliar product which is highly plant available.

A properly balanced formulation, which maximises copper nutrient use efficiency.

A proprietary formulation which breaks away from traditional, single element products, and provides a complete support package required by the plant.

Provides a superior copper delivery system which addresses plant health and abiotic stresses as well as maximising the yield potential of the crop.

Improves the quality of the spray tank environment resulting in good chemical compatibility and improved availability of select products.

CROPS

- Cereals
- Pears
- Sugar Beet
- Citrus
- Onions
- Salad Vegetables



Control

MAS-Power treated

The role of Copper

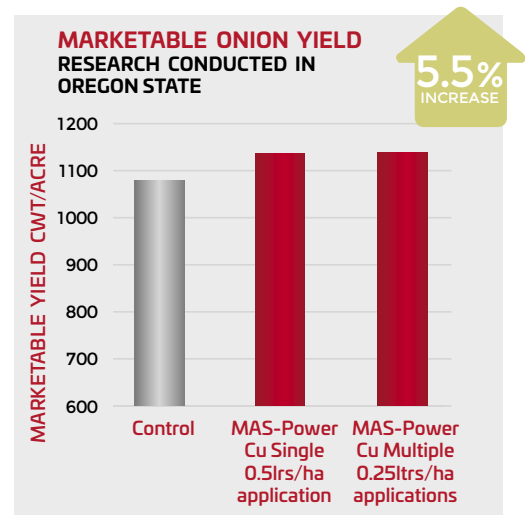
- › Copper is a trace element which is involved in several enzyme systems and also in photosynthesis. It is not very mobile within the plant particularly in deficient crops.
- › Copper is held strongly by soil organic matter and this can determine whether adequate copper is available for crop growth. Copper deficiency can have a serious effect on crop growth, quality and yield.
- › Copper plays a major function as a catalyst in photosynthesis (converting light to energy) and restoration within the plant.
- › It is a constituent of several enzyme systems involved in building and converting amino acids to proteins.
- › Copper is important to the formation of lignin in plant cells which contributes to the structural strength of the cell and the plant.
- › Copper also affects the flavour, the storage ability and the sugar content of fruits. In the soil copper is the most immobile micronutrient, therefore anything that inhibits new growth inhibits copper uptake. Soils and plants with a high phosphate level use more copper due to reduced soil exploration by mycorrhiza associated with plant roots.

Use

- › Correct nutrient deficiency to support the structural strength of crops
- › Promote seed formation/production
- › Increase crop enzymatic activity.

Trail data

Trials carried out by Oregon State University showed a 5.5% increase in overall yield that was statistically significant at the 90% confidence level for a single application and 95% confidence level for the multiple applications.





Crop timings and application rates

Crop	No of applications	Timings	Rate litres/ha
Cereals	As required	As necessary from 2-6 leaf stage to GS32	1.0
Sugar Beet	2	1st 4-6 leaf stage 2nd 8-12 leaf stage	1.0
Oilseed Rape	1-2	Apply only where known deficiency exists Apply before symptoms present	1.0-2.0
Leafy Salads	1	As required from tissue analysis Repeat at 10-14 day intervals	0.25
Potatoes	1-2	Apply only where known deficiency exists Apply before symptoms present	1.0-2.0
Root Crops	1-2	Apply only where known deficiency exists Apply before symptoms present	1.0-2.0
Legumes	1-2	Repeat as necessary 10-14 day spray intervals	1.0-2.0
Top Fruit	As required	As required from tissue analysis Repeat at 10-14 day intervals	0.25-0.5
Stone Fruit	As required	As required from tissue analysis Repeat at 10-14 day intervals	0.25-0.5
Soft Fruit	As required	As required from tissue analysis Repeat at 10-14 day intervals	0.25
Ornamentals	1-2	As required from tissue analysis Repeat at 10-14 day intervals	0.25-0.5

MAS-Power Cu 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.

MAS-Power Cu contains over 7% copper and should therefore only be used at recommended rates.

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.

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