



MAS-Power[®] Zn

8.5% Zinc w/v

MAS-Power Zn is a unique formulation designed for use as a premium foliar zinc combined with Engage Crop Solutions Mineral Assimilation System (MAS).

A unique zinc formulation, which maximises zinc nutrient use efficiency.












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

Provides a superior zinc 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 solubility of select products.

MAS-Power Zn increases photosynthesis in plants by increasing chlorophyll density and leaf size.

CROPS

- | | |
|--|--|
|  Cereals |  Root Crops |
|  Top Fruit |  Onions/Leeks |
|  Sugar Beet |  Stone Fruit |
|  Brassicas |  Soft Fruit |
|  Leafy Salads |  Ornamentals |
|  Potatoes | |



The role of Zinc

- Zinc is essential for the production of auxins, an essential growth hormone.
- Zinc activates enzymes in protein synthesis, plus it is involved in the regulation and consumption of sugars. It is also necessary for the formation of chlorophyll and carbohydrates.
- Zinc influences the rate of seed and stalk maturation and aids starch formation and root development.
- The presence of adequate amounts of zinc in the tissue enables the plant to withstand lower air temperatures.

Use

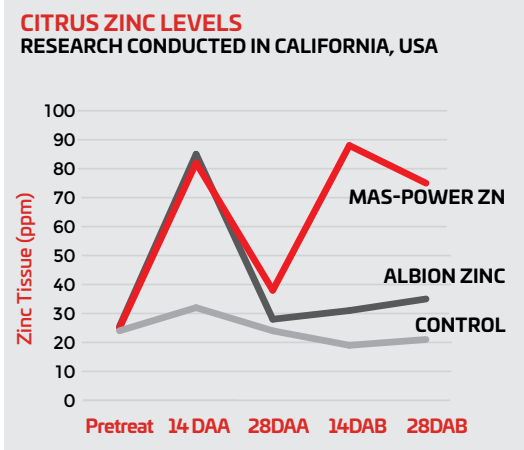
- To correct deficiency
- To increase the rate of photosynthesis
- Increases growth in cooler weather
- Aid stress moderation in hot conditions
- Aids starch formation in storage organs.

Trial data

In California, Holden Consulting conducted a trial on citrus with foliar zinc products to assess the efficacy of the leading competitor to MAS-Power Zn. Trial was based in Oxnard, USA at 2.0 litres/ha.

Results

Not only was the average level of zinc increased by 60% but also the effect was still being seen 28 days after application.





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 Repeat at 10-14 day intervals	1.0-2.0
Sugar Beet	2	1st 4-6 leaf stage 2nd 8-12 leaf stage	1.0-2.0
Brassicac	2-3	As required from tissue analysis 4-6 leaf stage Repeat at 10-14 day intervals	2.0-3.0
Leafy Salads	As required	As required from tissue analysis Repeat at 10-14 day intervals	1.0
Potatoes	2	1st From 1 week after full emergence 2nd During tuber bulking	1.0-2.0
Root Crops	2	1st 6-8 leaf stage 2nd 14-21 days later	2.0
Onions/Leeks	2	1st 3-4 leaf stage 2nd 14-21 days later	2.0
Top Fruit	3	1st Bud burst 2nd Petal fall 3rd Post-harvest before leaf senescence	1.0-2.0
Stone Fruit	2	1st Petal fall 2nd Post-harvest before leaf senescence	1.0-2.0
Soft Fruit	3	1st Bud initiation 2nd White bud 3rd Post-harvest before leaf senescence	1.0-2.0
Ornamentals	As required	As required from tissue analysis Repeat at 10-14 day intervals	1.0

MAS-Power Zn 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 engagecropsolutions.com or speak to an Engage advisor.

Always read the label before use.

Unit 5 | Town Lane Industrial Estate | Town Lane | Charnock Richard | Chorley | PR7 5XG

t: + 44 (0) 1257 226590 e: info@engagecropsolutions.com

engagecropsolutions.com