

Omex Kingfol Cu/Mn/Zn

DESCRIPTION

A high concentration liquid suspension for low rate applications to avoid deficiency symptoms and increase yields.

Kingfol CuMnZn is formulated with pharmaceutical grade raw material of a low particle size and using eba™ technology to optimise uptake via multiple pathways and increase performance.

Copper, manganese and zinc are critical to plant function and physiology, playing important roles in metabolic pathways essential for health and growth. A wide range of crops are susceptible to deficiencies of these elements leading to loss of yield and quality.



FUNCTION

Copper

- An important component of enzymes and their activity, copper promotes photosynthesis and regulates transpiration.
- Promotes nitrogen fixation by leguminous plants and improves resistance against some diseases.

Manganese

- Plays a major role in photosynthesis and enzyme systems.
- Deficiency symptoms include chlorotic leaves and slow maturation.

Zinc

- Critical during early development and stages of growth.
- Important in the conversion of amino acids to polypeptides, proteins and hormones such as auxins.
- Involved in modifying cell membranes to overcome oxidative stress during photosynthesis.
- Deficiency causes stunted growth.

Analysis of Omex Kingfol Cu/Mn/Zn

		Wt/Wt*	Wt/Vol
Nitrogen	N	1.0%	1.7%
Copper	Cu	4.7%	8.0%
Manganese	Mn	19.4%	33.0%
Zinc	Zn	6.5%	11.0%
pH (10% solution)		8.5-9.5	
Specific Gravity		1.70-1.74 g/ml @ 18°C	

*For registration purposes Wt/Wt concentrations are recommended.

DIRECTIONS FOR USE

The spray tank should be filled with half of the required amount of water. Measure the required amount of Omex Kingfol Cu/Mn/Zn and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution. Spray.



DILUTION: Recommended water rate is 500-1500 Litres per hectare

Always shake container before opening



Recommendations for use:

CROP	RATE l/ha	APPLICATION DETAILS
Soybean/Common bean	0.25 to 0.5	1 or 2 applications between V3 and V5
Corn	0.25 to 0.5	1 or 2 applications between V4 and V6.
Citrus	0.25 to 0.75	3 or 4 applications during vegetative growth
Sugar cane	0.25 to 0.5	Cover the stalks during planting or foliar application at the start of the rainy season.
Wheat/Barley	0.25 to 0.5	3 to 5 leaf stage and flag leaf emergence. 1 or 2 applications.
Coffee	0.25 to 0.75	3 or 4 applications during vegetative growth
Tomatoes, Cucumbers, Peppers, Melons	0.25 to 0.5	Start 10 days after transplant and apply again in intervals of 7 days until the end of the cycle.

TANK MIXING COMPATIBILITY

Omex Kingfol Cu/Mn/Zn is compatible with most, but not all, pesticides, growth regulators and micro-nutrients with regard to physical tank mixing and biological effects on the crop. However, Omex cannot accept any liability for any loss or damage as not all pesticides have been tested and because the efficacy of any mix will depend on, among other factors, the pesticide concerned, crop conditions, growth stage, weather and volumes of water used. Do not mix with phosphates or sulphates.

PRECAUTIONS

Omex Kingfol Cu/Mn/Zn should be stored in frost free conditions with optimum storage range between 5-40°C. Omex Kingfol Cu/Mn/Zn is a non-hazardous and non-flammable foliar fertiliser. Gloves and face shield should be worn when handling the concentrate. In situations of prolonged storage there may be slight settling of the nutrient particles. This is reversible on shaking.

PACKING: Omex Kingfol Cu/Mn/Zn is available in HDPE drums of 0.25L, 0.5L, 1L, 3L, 5L, 10L capacity. Drums are fitted with tamper evident closures. 200 and 1000 Litre mini bulk available.



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