

Omex Kingfol Zn

FUNCTION

Zinc is important as a metabolic stimulant in seeds and young plants as an enzyme activator for early root growth. Zinc is involved in the conversion of amino acids into polypeptides, proteins and hormones such as auxins, which are produced in shoot tips and are subsequently translocated to the roots to stimulate growth.

Zinc is also important in modifying cell membrane integrity to help the plant overcome oxidative stress due to production of free radicals in photosynthesis.



DESCRIPTION

Kingfol Zn is a highly concentrated single element suspension to correct specific deficiencies. It is formulated with uptake enhancers to optimise performance over time. The particle size profile for Kingfol Zn is constantly monitored during the production process to ensure a homogenous formulation. The use of unique 'uptake enhancers' allows nutrients to enter the plant by two main pathways, one acting quickly and the other more slowly. This provides a mechanism for sustained uptake over time.

The 'quick uptake' is achieved by direct entry via the stomata on the surface of the leaf, due to the small particle size profile of the product. The 'slower sustained uptake' is facilitated by the 'uptake enhancers' in the formulation. These work by stimulating the microbes which live naturally on the surface of the leaf. These are also known as epiphyllic microorganisms which help solubilise the remaining foliar spray. Once in ionic form, it then passes into the plant by diffusion through the leaf cuticle.

Analysis of Omex Kingfol Zn

		Wt/Vol	Wt/Wt
Zinc	Zn	70.00%	41.00%
Specific Gravity		1.71-1.75 g/ml	
pH(10% Dilution)		8.5-9.5	

DIRECTIONS FOR USE

The spray tank should be filled with half of the required amount of water. After shaking the container, measure the required amount of Omex Kingfol Zn and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution. Spray.



TECHNICAL INFORMATION

DILUTION: Recommended water rate is 500-1500 litres per hectare.

Always shake container before opening.

Recommendations for Use:

CROP	RATE OF USE	TIMING
Coffee	0.5-1.0 litre/ha	Early in crop cycle
Potatoes	0.5-1.0 litre/ha	Early in crop cycle
Vegetables	0.5-1.0 litre/ha	Early in crop cycle
Avocadoes & Fruit trees	0.5-1.0 litre/ha	Early in crop cycle
Bananas	0.5-1.0 litre/ha	Early in crop cycle
Cotton	0.25-0.5 litre/ha	Early in crop cycle
Maize	0.6-1.2 / 100kg seed 0.5-1.0 litre/ha	Seed Treatment Early in crop cycle
Rice	0.8-1.6 litre / 100 kg seed	Seed Treatment
Sugarcane	9ml/ msq	Sprayed onto seed sets in planting furrows

TANK MIXING COMPATIBILITY

Omex Kingfol 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 used.

PRECAUTIONS

Omex Kingfol Zn should be stored in frost free conditions with optimum storage range between 5-40°C. Omex Kingfol Zn is 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 Zn is available in HDPE drums of 0.25L, 0.5L, 1L, 3L, 5L, 10L capacity. Drums are fitted with TE closures. 200L/1000L mini-bulk available.



Omex Agrifluids Limited
Saddlebow Road, King's Lynn, Norfolk, PE34 3JA, UK
T: +44 (0)1553 817500 F: +44 (0) 1553 817501
E: agrifluids@omex.com www.omex.co.uk