

Primer Bio Zn

FUNCTION

Zinc is a key element in plant metabolism which has many functions including:

- Formation and modulation of various enzymes. This activity is important throughout the life of the plant but is critical at germination and early root and shoot development.
- Protein synthesis. The presence of zinc is very important at times of rapid tissue growth when it is involved directly in conversion of amino acids into protein. Zinc deficient plants accumulate amino acids and do not produce sufficient protein to develop.
- Production of essential plant hormones. Zinc deficient plants display symptoms of stunted growth associated with disturbed auxin production.
- Membrane integrity. It is thought that zinc is important in reducing membrane permeability, thus improving the plant's ability to withstand oxidative stress.
- High levels of phosphorus can induce zinc deficiency in soils with low zinc levels

DESCRIPTION

Primer Bio Zn is a high concentration suspension seed treatment containing zinc and a natural bio-stimulant derived from seaweed.

The application of Primer Bio Zn to seed ensures the crop has the best start possible by providing optimum levels of zinc for enzyme and protein production.



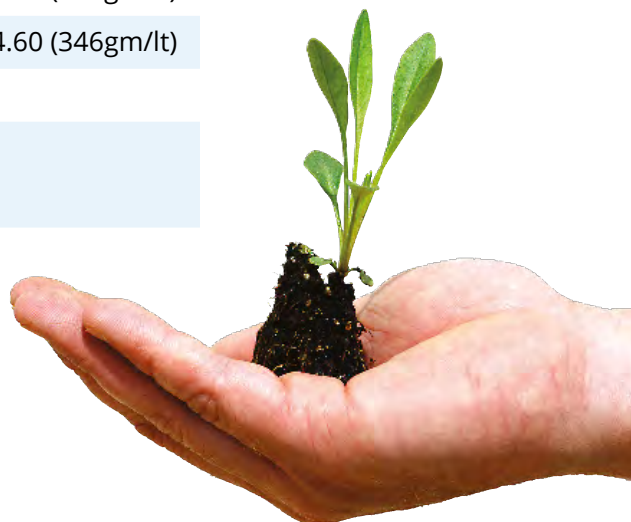
The seaweed extract stimulates rapid root development by providing natural auxins and cytokinins in the correct ratio. This dual action early root and shoot development promotes even germination and allows the crop to rapidly take up water and nutrients.

Treated plants are better able to withstand stress and to optimise yield potential.

Analysis of Primer Bio Zn

		Wt/Wt*	Wt/Vol
Zinc	Zn	40.50%	70.00 (700gm/lt)
Natural Biostimulant		20.00%	34.60 (346gm/lt)
pH (10% solution)		8.3 – 9.3	
Specific Gravity		1.71-1.75 g/ml @ 18°C	

*For registration purposes Wt/Wt concentrations are recommended.



Always shake container
before opening



Recommendations for use:

CROP	DOSE	TIMING OF APPLICATION
Rice	0.8 – 1.6 lt/100kg seed	Seed Treatment
Maize	0.6 – 1.2lt/100kg seed	Seed Treatment
Sugarcane	9ml/msq	Sprayed onto seed sets in planting furrow

TANK MIXING COMPATIBILITY

Primer Bio 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.

PRECAUTIONS

Primer Bio Zn should be stored in frost free conditions with optimum storage range between 5-40°C. Primer Bio 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: Primer Bio 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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