

SUPERIOR UPTAKE TRACE ELEMENTS



Provides enhanced, rapid foliar uptake of crop nutrients.

For broad-acre agriculture use to rapidly prevent or correct trace element deficiency in broad-acre crops and pastures

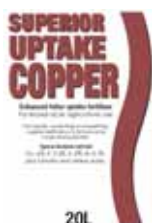
- Provides zinc, manganese, copper or iron.

A deficiency of any trace element in the soil can limit plant growth even when all other essential elements are present in adequate amounts. Australian soils are often deficient in zinc, manganese, copper and iron.

Superior UPTAKE Trace Elements are specific blends of trace elements, fulvates and amino acids. They are used to rapidly correct or prevent specific trace element deficiencies in cereals, grain legumes, pasture legumes, oilseeds and fodder crops. They are applied as a soil drench (via streaming nozzles) or foliar sprays.

Superior UPTAKE Trace Elements are organically chelated to provide rapid foliar uptake of trace elements to effectively correct or prevent deficiencies.

Product	Typical Analysis %				
	Zinc	Manganese	Copper	Iron	Sulphur
Uptake Zinc	15.0				7.4
Uptake Manganese		15.0			8.7
Uptake Copper			6.0		3.0
Uptake Iron				6.0	3.4



Superior UPTAKE Zinc

Some of the functions of zinc in plants are enzyme activation, cell pH regulation and the formation of chlorophyll. Zinc deficiencies will have a detrimental effect on the size, structure and development of plant cells. High levels of soil P and high soil pH are commonly responsible for zinc deficiencies.

Superior UPTAKE Manganese

Manganese plays an important role in photosynthesis. It also promotes the uptake of nitrate. High soil pH, waterlogged conditions and too much available iron can reduce manganese availability.

Superior UPTAKE ZnMn

In a broad range of soils both Zinc and Manganese are deficient causing energy loss in plants and insufficient chlorophyll development. This situation can be rapidly and effectively alleviated with Superior Uptake ZnMn.

Superior UPTAKE Copper

Copper is essential for many major plant functions like photosynthesis, respiration and enzymatic processes. It also affects strength of plant cells, fruit flavour and sugar content. Cereal crops are very sensitive to copper deficiency, particularly on sandy/sandy loam alkaline soils.

Superior UPTAKE Iron

Iron is one of the most important trace elements and is involved in chlorophyll formation, energy transfer, enzymes and nitrogen fixation. High soil pH, anaerobic soils and low organic matter reduces iron availability.

Application Rates - Repeat soil and foliar applications may be necessary.

Crop	Zinc	Manganese	ZnMn	Copper	Iron
Broad-acre Crops & Pasture	1.0 - 2.0 L/ha. Apply in early stages of growth when leaf area is sufficient to intercept spray.	1.0 - 2.5 L/ha. Apply in early stages of growth when leaf area is sufficient to intercept spray.	1.0 - 2.0 L/ha. Apply in early stages of growth when leaf area is sufficient to intercept spray.	0.5 - 1.0 L/ha. Apply early stages of growth when leaf area is sufficient to intercept spray.	1.0 - 2.0 L/ha; Apply pre-flowering.
Cereal Crops	0.5-1.5 L/ha Apply in early to mid-tillering growth stages	1.0-2.0 L/ha Apply in early to mid-tillering growth stages	1.0-2.0 L/ha Apply in early to mid-tillering growth stages	1.0 - 1.5 L/ha Apply mid to late tillering.	1.0-2.0 L/ha Pre-maturation.
Foliar	Do not apply more than a 1% solution in high volume sprays and no more than 3% concentration in low volume sprays under 50L/ha.				
Soil	Apply as required; do not exceed 10 litres/ha per application.				

Superior UPTAKE Trace Elements are available in 20L, 200L and 1,000L containers.



For further call 1800 765 007
www.sustainablefarming.com.au

