

# EDTA Manganese Chelate

Similar to: *Rexolin® Mn13*

<b>Active constituent</b>	120g/kg EDTA Chelated Manganese	<b>Formulation</b>	Powder
<b>Typical situations</b>	Manganese EDTA is a manganese nutrition deficiency corrector for all crops. It can be used as a foliar application as part of a preventive program or at the onset of deficiency symptom.		
<b>Chemical group</b>	–		
<b>Mode of action</b>	Rapid foliar uptake.		
<b>Typical pack size</b>	25 kg		
<b>Poison schedule –</b>	<b>Dangerous goods class –</b>	<b>UN –</b>	<b>Packing code –</b>
<b>Withholding period</b>	<b>Harvest</b> Not required when used as directed. <b>Grazing</b> Not required when used as directed.		
<b>Plant back</b>	None required.		
<b>Application method</b>	Boom spray 50–100L/ha, aerially at least 30L/ha.	<b>Rain fastness</b>	3hrs
<b>Usage</b>	Timing will depend on the degree of stress, and crops often show good recovery if Mn is applied when symptoms appear and when there is good crop cover. Multiple applications may be required.		
<b>Adjuvants</b>	None required.		
<b>Compatibility</b>	Compatible with most common fertilisers and agrochemicals used.		
<b>Incompatibility</b>	–		
<b>Water quality</b>	When mixing in cold water ensure adequate time is taken to dissolve all product into solution.		
<b>Time to effects and symptoms</b>	Immediate effect and greater plant uptake than Oxide and Sulphate formulations.		
<b>Similar product registrations</b>	–		

Situation	Deficiency symptoms	Rate/ha	Comments
Cereals	Frequently plants are stunted and occur in distinct patches Leaves develop interveinal chlorosis and/or white necrotic flecks and blotches Leaves often kink, collapse and eventually die Tillering is reduced, with extensive leaf and tiller death	0.5–1 kg/ha	Apply in minimum of 50L/ha water to ensure sufficient coverage. Apply before flowering.
Lupins	Plants stay green with straggly new growth as leaves drop and pods fill on unaffected plants Young leaf leaflets develop a chlorotic margin with a dirty brown patchiness, but remain green near the base Rarely, leaflets on severely deficient plants become claw shaped with purplish tips and margins	0.5–1 kg/ha	Apply when pods on the main stem are about 2–2.5 cm in length and when the secondary stems have nearly completed flowering.

## Comments

- Chelates offer the best tank mixing properties of any trace element product on the market.
- Chelated trace elements are the most effective foliar delivery system at up to twice the efficiency of oxides and up to three times better than sulphates.
- Chelates offer superior crop safety in comparison to oxide and sulphate products.
- 4Farmers powdered chelate products can be stored long term with no risk of degrading.
- Many different factors affect the amount and availability of trace elements stored in soil for plant use. Independent expert advice based on soil and tissue testing is strongly recommended to ensure foliar application rates are optimised for individual requirements.

