

<b>Brand Name:</b>	Manic® WG Fungicide Plus
<b>Active Constituent:</b>	625 g/kg Mancozeb + 125 g/kg Zinc (Zinc EDTA Complex equivalent to 17.3 g/kg Zinc)
<b>Group:</b>	Group M3 Fungicide - Dithiocarbamates
<b>Target Crops:</b>	Broadacre, Horticulture, Vine Crops and Ornamentals
<b>Target Pests:</b>	Wide spectrum of fungal diseases

## Registered Use

For the control of certain fungal diseases of field crops, fruit trees, vine crops, vegetables, turf, ornamentals and for zinc maintenance or correction of zinc deficiencies in crops as indicated in the directions for use table.

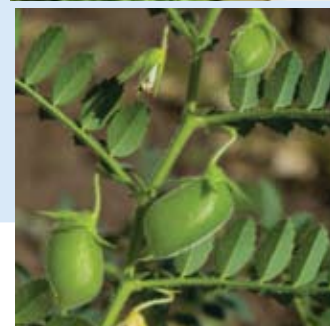
## Application

Manic WG Fungicide Plus with EDTA zinc has the same label registrations as UPL Manzate® 750DF (750 g/kg mancozeb), however to apply equivalent g.a.i, 20% more Manic is required.

Example – Chickpeas: Manzate top label rate is 2.2 kg/Ha, Manic rate is 2.64 kg/ha where both rates apply 1650g of mancozeb active. Manic applied at 2.64kg/Ha also give 330g of zinc or around 46g EDTA complex equivalent.

## Features and Benefits

- Innovative fungicide and edta chelated zinc micro nutrient co-formulation that provides excellent fungicide protection and promotes growth and plant development in soils that are zinc deficient across broad acre and horticultural regions.
- Stable for tank mixing with other chemicals
- Excellent tank mixing qualities



***New Chemistry, New Products, New Solutions***

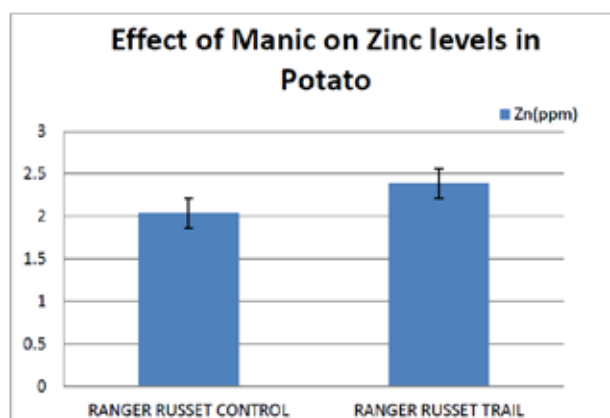
# MANIC<sup>®</sup> WG FUNGICIDE PLUS

## What Does EDTA Chelated Zinc Do?

Chelate is a special organic compound in which Zinc remains bound or clawed. This prevents the conversion of Zinc into insoluble compounds when it comes in contact with other compounds in soil or in the plant.

The physiological and biochemical activities that Chelated Zinc initiate and regulate include:

- Enhancing photosynthetic activity through its influence on chlorophyll synthesis
- Oxidation reactions in plant cells depend on Zinc, and Zinc also regulates metabolism of carbohydrates and its use
- Growth promoting hormones, particularly Auxins, are activated by Chelated Zinc
- Zinc treated plants generally remain green and have greater resistance to disease attack
- More readily absorbed
- Beneficial plant growth over Mancozeb alone
- One product delivers 2 outcomes saving time and labour



There was 14% increase in zinc present in the Manic 750WG treated potato crop (2.5kg /Ha) in comparison to crops treated with Unizeb (mancozeb) + zinc sulphate.

## Commercial Applications



Manic treated pumpkins, Vic 2013. 3 applications at 2.5kg /Ha, 14 days apart.



Unizeb treated pumpkins, Vic 2013. 3 applications at 2.0kg /Ha, 14 days apart.

Summary: Manic treated crops had fuller canopy than crops treated with Unizeb (mancozeb) only. Both crops had similar level of low disease present. Grower was very happy with Manic performance and mixing.

- New commercial positioning effectively providing the zinc for free
- Manufactured by UPL and supplied to the same quality standard as the well recognised brands Manzate<sup>®</sup> and Unizeb<sup>®</sup> 750DF