



Reg.No. B.... (Act 36 of 1947)  
Fertilizer Group 2

**Manganese(Mn) 260 g/kg 416 g/l**

SG (@ 20 °C) = 1.60 ± 0.02

**Opty Man is a concentrated  
fertiliser suspension,  
specifically designed for use  
as a foliar feed to prevent  
and correct Manganese  
deficiencies in plants.**



Registered, Manufactured and Distributed by:

**INTROLAB (PTY) LTD** (Reg. No. 2005/039779/07)

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**Introlab**

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See enclosed for full details. →  
See container side for both Batch No. and Manufacture Date. Product expires 2 years after date of manufacture.

## GENERAL INFORMATION

- For optimum results **Opty Man** should be used in a balanced plant nutrition programme.
- Consult your chemical distributor, consultant or the registration holder should crop specific programmes be required, or if any additional information and guidance is required concerning the use of this product.

## COMPATIBILITY

- It is however advisable to do a miscibility test prior to mixing **Opty Man** with other agricultural products

## MIXING INSTRUCTIONS

- Shake the container thoroughly before use
- Follow the standard tank mixing procedure if this product is applied in combination with other agricultural products
- Ensure good agitation throughout application
- Do not apply this product with any Sulphonyl Urea herbicides

## STORAGE

- Store in the original, well-sealed container away from direct sunlight in a cool dry environment
- Keep away from children, uninformed people, animals and foodstuffs

## APPLICATION INSTRUCTIONS

- **Opty Man** should preferably be applied in the early morning or late afternoon
- Do not apply to plants that are undergoing moisture or heat stress
- Ensure good even coverage of the plants
- Use the lower dosage per 100 liter at higher water volumes and higher dosage per 100 liter at lower spray volumes

## WARNING

- Do not apply during the flowering stage (pollination to fruit set stage)

## Directions for use: (Use only as directed)

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Berries</b> <b>Blueberries,</b> <b>Blackberries,</b> <b>Raspberries</b>	1 ℓ	340 ml	i. Apply when sufficient leaf development for uptake. A second application may be necessary 14 days later. Apply in 300 ℓ water
<b>Strawberries</b>	1 ℓ	500 ml	i. Apply at green bud. A second application may be necessary 14 days later. Apply in Apply in 200 ℓ water
<b>Bulb, Tuber and Root Crops</b> <b>i. Onions, Garlic</b>	500 ml	250 ml	i. Apply at pencil stage. Apply in 200 ℓ water
<b>ii. Potatoes,</b> <b>Sweet Potatoes</b>	1 ℓ 1 ℓ	340 ml 340 ml	i. Apply 2 weeks post emergence. ii. For moderate to severe deficiencies do a second application 14 days later Apply in 300 ℓ water.
<b>iii. Beetroot, Carrots</b>	500 ml 500 ml	250 ml 170 ml	i. Apply 3 weeks after emergence. ii. For moderate to severe deficiencies a second application 14 days later in 300 ℓ water. Apply in 200 ℓ water.
<b>Cotton</b>	500 ℓ	250 ml	i. Apply 2 weeks post emergence. Apply in 200 ℓ water.
<b>Cruciferae</b> <b>Broccoli, Brussel</b> <b>Sprouts, Cabbage,</b> <b>Cauliflower</b>	500 ml 500 ml	250 ml 170 ml	i. Apply at 4-6 leaf stage in 200 liter water ii. For moderate to severe deficiencies a second application 14 days later in 300 ℓ water

## Directions for use: (Use only as directed)

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Cucurbits</b> Cucumbers, Marrows, Melons, Pumpkins, Baby marrows	500 ml	170 ml	i. Apply 4 weeks post emergence or transplant in 300 l water
<b>Grain Crops</b> i. Maize, Sorghum	1 l	500 ml	i. Apply 4 weeks post emergence in 200 l water
ii. Barley, Oats, Wheat	1 l 1 l	500 ml 500 ml	i. Apply at 4-6 leaf stage ii. In high pH soils a second application 14 days later is recommended Apply in 200 l water
<b>Grapes</b> Table and Wine Grapes	1 l 1 l	135 – 200 ml 135 – 200 ml	i. Apply when flower buds start developing ii. Apply at fruit set Apply in 500 – 750 l water/ha
<b>Leafy vegetables</b> Lettuce, Spinach	400 ml	200 ml	i. Apply 4 weeks post-transplant in 200 l water
<b>Legumes</b> Dry Beans, Peas	1 l	500 ml	i. Apply 14 days post emergence Apply in 200 l water/ha
<b>Mediterranean Fruit</b> Figs, Olives, Pomegranates	1 l	70 – 140 ml	i. Apply before flowering stage Apply in 750 – 1500 l water/ha

## Directions for use: (Use only as directed)

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Nuts</b> i. Almonds	1 ℓ 1 ℓ	50 – 100 ml 50 – 100 ml	i. Apply at 100% petal drop ii. Apply directly post-harvest Apply in 1000 – 2000 ℓ water/ha
ii. Macadamia nuts	1 ℓ 1 ℓ	35 – 70 ml 35 – 70 ml	i. Apply on Spring flush ii. Apply on Autumn flush Avoid application during the flowering period. Apply in a minimum of 1500 – 3000 ℓ water/ha
iii. Pecan, Wall Nuts	1 ℓ	50 – 100 ml	i. Apply middle January when nut fill takes place. Apply in 1000 – 2000 ℓ water/ha
<b>Oil Seed Crops</b> i. Canola	1 ℓ	500 ml	i. Apply 4 – 6 leaf stage. Apply in 200 ℓ water/ha
ii. Groundnuts	500 ml	250 ml	i. Apply 21 days post emergence Apply in 200 ℓ water/ha
iii. Soy Beans	500 ml	250 ml	i. Apply 21 days post emergence Apply in 200 ℓ water/ha
iv. Sunflower	500 ml	250 ml	i. Apply at 90cm height Apply in 200 ℓ water/ha
<b>Pastures and Lawns</b>	250 ml	80 ml	i. Apply when growth is sufficient to absorb nutrients. Allow at least 15 cm regrowth after successive cuttings. Apply in a minimum of 300 ℓ water/ha. Withhold animal grazing for 10 days.

## Directions for use: (Use only as directed)

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Pome fruit</b> <b>Apples, Pears,</b> <b>Quinces</b>	1.5 ℓ	50 – 75 ml	i. Apply at 100% petal drop. On russet sensitive cultivars e.g. Golden Delicious apples and all pear cultivars, start application 6 weeks post flowering. Apply in 2000 – 3000 ℓ/ha water or according to Tree Row Volume
<b>Solanaceous Crops</b> <b>i. Chillies, Paprika,</b> <b>Peppers, Tomatoes</b>	1 ℓ 1 ℓ	250 ml 250 ml	i. Apply 4 weeks after establishment ii. Apply 14 days later if necessary Apply in 400 ℓ water/ha
<b>ii. Tobacco</b>	250 ml	50 ml	i. Apply 2 weeks after successful transplant. Apply in 500 ℓ water/ha
<b>Stone Fruit</b> <b>Apricots, Nectarines,</b> <b>Peaches, Plums</b>	1 ℓ 1 ℓ	50 – 100 ml 50 – 100 ml	i. Apply at 100% petal drop ii. Apply directly post-harvest Apply in 1000 – 2000 ℓ water/ha
<b>Sugar, Ginger</b>	1 ℓ	330 ml	i. Apply when 60cm tall. Apply in 300 ℓ water/ha
<b>Subtropical Fruit</b> <b>i. Avocados</b>	2 ℓ	40 – 70 ml	i. Apply on Spring or Summer flush Apply in 3000 – 5000 ℓ water/ha
<b>ii. Citrus</b>	2 ℓ	50 – 200 ml	i. Apply on Spring flush ii. Apply on Autumn flush Apply in 1000 – 4000 ℓ water/ha or according to Tree Row Volume
<b>Other Crops</b>	1 ℓ	200 ml	i. One application. Apply in a minimum of 500 ℓ water/ha. Do not apply during the flowering stage.

### Warranty:

The registration holder does not warrant that the product will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic conditions as well as method, time and accuracy of application