



Reg.No. B5230 (Act 36 of 1947)  
Fertilizer Group 2

**Calcium (Ca) 242 g/kg (400g/ℓ)**

SG (@ 20 °C) = 1.65

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



Registered, Manufactured and Distributed by:

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

12 Oudepont Street, Wellington Industrial, Wellington. 7655

**Tel:** +27 21 8642145/6 **Email:** info@introlab.co.za



**Introlab**

www.introlab.co.za

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 Cal** 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 advisable to do a miscibility test prior to mixing **Opty Cal** 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.

## 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 Cal** 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 crop.
- Use the lower dosage per 100 ℓ at higher water volumes and higher dosage per 100 ℓ at lower spray volumes.

## WARNING

- Handle with care.
- Do not re-use the container for any other purpose.

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

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Bulb, Tuber &amp; Root Crops</b> i. Onions, Garlic	3 ℓ 3 ℓ 3 ℓ	750 ml 750 ml 750 ml	ii. At onset of bulbing. ii. 14 days later. iii. 28 days later. Apply in 400 ℓ water/ha.
ii. Potatoes, Sweet Potatoes	4 ℓ 4 ℓ 4 ℓ	1 ℓ 1 ℓ 1 ℓ	i. 4 Weeks post-emergence. ii. 6 Weeks post-emergence. iii. 8 Weeks post-emergence. Apply in 400 ℓ water/ha.
iii. Beetroot, Carrots	3 - 4 ℓ 3 - 4 ℓ 3 - 4 ℓ	1 - 1.3 ℓ 1 - 1.3 ℓ 1 - 1.3 ℓ	i. 2-3 Weeks post emergence. ii. 14 days later. iii. 14 days later. Apply in 300 ℓ water/ha.
<b>Cruciferae</b> Broccoli, Cabbage, Brussel Sprouts, Cauliflower	3 - 4 ℓ 3 - 4 ℓ 3 - 4 ℓ	1.5 - 2 ℓ 1 - 1.3 ℓ 1 - 1.3 ℓ	i. 2-3 Weeks post-transplant ii. 14 days later iii. 14 days later Apply in 200-300 ℓ water/ha
<b>Cucurbits</b> Cucumbers, Marrows, Melons, Pumpkins, Baby marrows	2 - 4 ℓ 2 - 4 ℓ 2 - 4 ℓ	1 - 2 ℓ 1 - 2 ℓ 1 - 2 ℓ	i. Directly after fruit set ii. 10 days later iii. 10 days later Apply in 200 ℓ water
<b>Grain Crops</b> i. Maize, Sorghum	3 ℓ	Irrigation Volume Or 1.5 ℓ (tractor)	i. Apply at tasseling stage via overhead irrigation or tractor application in 200 ℓ water/ha.
ii. Barley, Oats, Wheat	2 - 3 ℓ	1 - 2 ℓ	i. Apply at tillering. ii. 14 days later. Apply in 200 ℓ of water/ha.

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

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Grapes</b> Table and Wine Grapes	5 ℓ 5 ℓ	660ml – 1ℓ 660ml – 1ℓ	i. Apply at petal fall ii. Pea berry size iii. Apply in 500-750 ℓ water/ha.
<b>Leafy vegetables</b> Lettuce, Spinach	3 ℓ	1.5 ℓ	i. Apply 3 weeks post emergence, repeat application every 14 days until one month before harvest. Apply in 200 ℓ of water/ha.
<b>Legumes</b> Dry Beans, Peas	2-3 ℓ 2-3 ℓ	1 – 1.5 ℓ 1 – 1.5 ℓ	i. Start application at onset of flowering. ii. 14 days later. Apply in 200 ℓ of water/ha.
<b>Mediterranean Fruit</b> Figs, Olives, Pomegranates	4 ℓ 4 ℓ	260 – 530 ml 260 – 530 ml	i. Apply at petal fall. ii. 14 days later Apply in 750 – 1500 ℓ water/ha.
<b>Nuts</b> i. Almonds	5 ℓ 5 ℓ 5 ℓ	250 – 500 ml 250 – 500 ml 250 – 500 ml	i. 75% Petal fall. ii. Two weeks later. iii. Two weeks later. Apply in 1000 – 2000 ℓ water/ha.
ii. Macadamia	5 ℓ 5 ℓ	170 - 340 ml 170 - 340 ml	i. August at full bloom. ii. 30 Days later Apply in 1500 -3000 ℓ water/ha.
iii. Pecan, Wall Nuts	5 ℓ 5 ℓ 5 ℓ	250 - 500 ml 250 - 500 ml 250 - 500 ml	i. 2 Weeks post parachute stage (Middle October). ii. Middle December. Apply in 1000 – 2000 ℓ water/ha.

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

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Oil Seed Crops</b> <b>i. Groundnuts</b>	3 - 5 ℓ 3 - 5 ℓ	1.5 - 2.5 ℓ 1.5 - 2.5 ℓ	i. Start application at flowering. ii. Repeat 14 days later. Apply in 200 ℓ of water/ha.
<b>ii. Soy Beans</b>	2 - 3 ℓ 2 - 3 ℓ	1 - 1.5 ℓ 1 - 1.5 ℓ	i. Start application on onset of flowering. ii. 14 days later. Apply in 200 ℓ of water/ha.
<b>iii. Sunflower</b>	2 ℓ	1 ℓ	Apply just before flowering in 200 ℓ water/ha.
<b>Pineapples</b>	2-3 ℓ 2-3 ℓ 2-3 ℓ	400 - 600 ml 400 - 600 ml 400 - 600 ml	i. Apply at blue flower stage (Middle February). ii. Dead Flower Stage (Early March). iii. 2 weeks later. Apply in 500 ℓ water/ha.
<b>Pome fruit</b> <b>Apples, Pears,</b> <b>Quinces</b>	2,5 -7.5 ℓ 2,5 -7.5 ℓ	250 ml 250 ml	i. Apply from petal fall. ii. Repeat application every 10-14 days until one month before harvest. Apply in 1000 - 3000 ℓ water according to Tree Row Volume
<b>Solanaceous Crops</b> <b>i. Chilies, Paprika,</b> <b>Peppers,</b> <b>Tomatoes</b>	5 ℓ 5 ℓ	1.25 ℓ 1.25 ℓ	i. Apply at the end of flowering on first truss ii. Repeat application every 7-10 days until one month before harvest. Apply in 400 ℓ water/ha.
<b>ii. Tobacco</b>	3 ℓ	600 ml	i. Apply as a full cover spray 3 weeks after transplant in 500 ℓ water/ha.

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

CROP	MAX RATE/HA	ml /100 liter	REMARKS
<b>Stone Fruit</b> Apricots, Nectarines, Peaches, Plums	2,5 - 7.5 ℓ 2,5 - 7.5 ℓ	250 ml 250 ml	i. Apply from petal fall. ii. Repeat application every 10-14 days until one month before harvest. Apply in 1000 – 3000 ℓ water according to Tree Row Volume.
<b>Subtropical Fruit</b> i. Avocados	7.5ℓ – 12.5 ℓ	250 ml 250 ml 250 ml	i. Cauliflower stage. ii. Full bloom. iii. Fruit set. Direct sprays at the flower trusses. Apply in 3000 – 5000 ℓ water/ha.
ii. Guavas	3-6 ℓ	200 ml 200 ml	i. Apply at fruit set. ii. Repeat application every 14 days until one month before harvest. Apply in 1500 – 3000 ℓ water/ha.
i. Lychees, Mangoes	5 ℓ	250 ml 250 ml	i. Apply at fruit set ii. Repeat application 14 days later Direct sprays at the flower trusses. Apply in 2000 ℓ water/ha.
iv. Citrus	2.5 – 10ℓ	250 ml 250 ml	i. Apply at 50-100% petal fall (September). ii. 2-4 weeks post 100% petal fall Apply according to Tree Row Volume or 1000 – 4000 ℓ water/ha.
<b>Other Crops</b>	5 ℓ	1 ℓ	i. Start application from early fruit development stage and repeat applications if necessary at 10-14 day intervals. Apply in a minimum of 500 ℓ water/ha.

### Warranty:

Although this product has been extensively tested under large variety of conditions the registration holder does not warrant that it 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