



Reg. No. B5571 (Act 36 of 1947)
Fertilizer Group 2

ZINC 1000

Zinc (Zn) 1000 g/ℓ (468 g/kg)

SG (@ 20 °C) = 2.14 ± 0.02

Opty Zinc 1000 is a concentrated fertilizer suspension, specifically designed for use as a foliar feed to maintain or correct Zinc levels in plants.



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Registered, Manufactured and Distributed by:

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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

- **Opty Zinc 1000** is a highly-concentrated zinc suspension concentrate fertilizer.
- **Opty Zinc 1000** is recommended for use during plant growth periods that requires high zinc levels.

COMPATIBILITY

- **Opty Zinc 1000** is compatible with agricultural products, it is however advisable to do a miscibility test prior to mixing **Opty Zinc 1000** with other agricultural products.
- Do not mix **Opty Zinc 1000** with high phosphate containing 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

WARNING

- Handle with care.
- Do not re-use containers for any other purpose.
- **Opty Zinc 1000** causes residue on leaves and fruit.

APPLICATION INSTRUCTIONS

- **Opty Zinc 1000** 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 L water at higher spray volumes and higher dosage per 100 L water at lower spray volumes.
- For optimum results **Opty Zinc 1000** should be used in a balanced plant nutrition programme.
- Consult your chemical distributor, consultant or registration holder should crop specific programmes be required, or if any additional information and guidance is required regarding the use of this product.

Directions for use: (Use only as directed)

Use lower rates as maintenance and higher rates to correct deficiencies.

CROP	MAX RATE/HA	Rate/100ℓ water	REMARKS
Berries: Blueberries, Blackberries and Raspberries	525 ml 525 ml	175 ml 175 ml	i. Apply when sufficient leaf development for uptake. ii. Apply 14 days later. Apply in 300 ℓ water/ha. (May cause residue on berries.)
Strawberries	350 ml 350 ml	175 ml 175 ml	i. Two weeks after transplant. ii. Apply 14 days later. Apply in 200 ℓ water/ha. (May cause residue on berries.)
Bulb, Tuber and Root Crops i. Onions, Garlic	1.4 – 2.1 ℓ 1.4 – 2.1 ℓ 1.4 – 2.1 ℓ 1.4 – 2.1 ℓ	0.7 - 1.05 ℓ 0.7 - 1.05 ℓ 0.7 - 1.05 ℓ 350 - 525 ml 350 - 525 ml	i. Apply at 2-3 leaf stage/ 60 days after plant. ii. Apply at pencil stage. iii. Apply 14 days post pencil stage. iv. Apply 14 days post onset of bulbing. v. Apply 14 days later. Apply in 200 - 400 ℓ water/ha.
ii. Potatoes, Sweet Potatoes	0.7 – 1.4 ℓ 0.7 – 1.4 ℓ 0.7 – 1.4 ℓ 0.7 – 1.4 ℓ	230 - 460 ml 175 - 350 ml 175 - 350 ml 140 - 280 ml	i. Apply 2 weeks post emergence. ii. Apply 4 weeks post emergence. iii. Apply 8 weeks post emergence. iv. Apply 10 weeks post emergence. Apply in 300 - 500 ℓ water/ha.
iii. Beetroot, Carrots	1.4 ℓ 1.4 ℓ	0.7 ℓ 460 ml	i. Apply 3 weeks after emergence. ii. Apply 5 weeks after emergence. Apply in 200 - 300 L water/ha.
Cotton	1.4 ℓ	460 ml	i. Apply 1 week post emergence Apply in 300 L water/ha.

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CROP	MAX RATE/HA	Rate/100ℓ water	REMARKS
Cruciferae: Broccoli, Brussel Sprouts, Cabbage, Cauliflower	1.4 ℓ 1.4 ℓ	0.7 ℓ 460 ml	i. Apply 3 weeks post-transplant. ii. Apply 5 weeks post-transplant. Apply in 200 - 300 L water/ha.
Cucurbits Cucumbers, Marrows, Melons, Pumpkins, Baby Marrows	1.4 ℓ 1.4 ℓ	0.7 ℓ 460 ml	i. Apply 3 weeks post emergence or transplant. ii. Apply 14 days later. Apply in 200 - 300 L water/ha.
Grain Crops i. Maize, Sorghum	1.4 ℓ	0.7 ℓ	i. Apply at 2-4 leaf stage in 200 L water/ha.
ii. Barley, Oats, Wheat	0.7 ℓ 0.7 ℓ 0.7 ℓ	350 ml 350 ml 350 ml	i. One week after emergence. ii. 30 Days after emergence. iii. Flag leaf Stage. Apply in 200 L water/ha.
Grapes: Table Grapes and Wine Grapes	0.7 ℓ 0.7 ℓ 0.7 ℓ 0.7 ℓ	90 - 140 ml 90 - 140 ml 90 - 140 ml 90 - 140 ml	i. Apply when flower buds are visible. ii. 10 cm shoot length. iii. 20-30 cm Shoot length. iv. Apply directly post-harvest, according to leaf analysis. Apply in 500 - 750 L water/ha. (May cause residue on grapes.)
Leafy Vegetables: Lettuce, Spinach	0.7 ℓ	350 ml	i. Apply 3 weeks after emergence in 200 L water/ha.

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CROP	MAX RATE/HA	Rate/100ℓ water	REMARKS
Legumes: Dry Beans and Peas	1.4 ℓ	0.7 ℓ	i. Apply 1 week after emergence in 200 L water/ha.
Mediterranean Fruit: Figs, Olives and Pomegranates	1.4 ℓ 1.4 ℓ	90 - 180 ml 90 - 180 ml	i. Apply before flowering stage ii. Apply just after flowering Apply in 750 - 1500 L water/ha.
Nuts i. Almonds	1.4 ℓ 1.4 ℓ	70 - 140 ml 70 - 140 ml	i. Apply at bud burst. ii. Apply at 100% petal drop. iii. Apply directly post-harvest. Apply in 1000 - 2000 L water/ha.
ii. Macadamia	2.1 ℓ 2.1 ℓ 2.1 ℓ	70 - 140 ml 70 - 140 ml 70 - 140 ml	i. Apply at Flower initiation. ii. Apply following leaf flush (Sept). iii. Apply at November nut drop. Apply in a minimum of 1500 - 3000 L water/ha.
iii. Pecans and Walnuts	2.1 ℓ 2.1 ℓ 2.1 ℓ	105 - 210 ml 105 - 210 ml 105 - 210 ml	i. End November after pollination. ii. Middle December. iii. Middle February. Apply in 1000 - 2000 L water/ha.
Oil Seed Crops i. Canola	1.4 ℓ	0.7 ℓ	i. Apply at 2-4 leaf stage. Apply in 200 L water/ha.
ii. Soy Beans	1.4 ℓ	0.7 ℓ	i. Apply at V1-V2 Stage. Apply in 200 L water/ha.

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iii. Sunflower	1.4 ℓ	0.7 ℓ	i. Apply in combination with first post emergence pesticide application. Apply in 200 L water/ha.
Pastures and Lawns	0.7 – 1.4 ℓ	230 - 460 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.
Pome Fruit Apples, Pears and Quinces	1.4 ℓ 1.4 ℓ 1.4 ℓ	40 - 70 ml 40 - 70 ml 40 - 70 ml	i. Apply at bud burst. ii. Apply at 100% petal drop. iii. Apply directly post-harvest. Apply in 2000 – 3000 L water or according to Tree Row Volume.
Solanaceous Crops: i. Chilies, Paprika, Peppers and Tomatoes	0.7 – 1.4 ℓ 0.7 – 1.4 ℓ	175 - 350 ml 175 - 350 ml	i. Apply 2 weeks after successful establishment. ii. Apply 2-3 applications with 14 day intervals. Apply in 400 L water/ha.
ii. Tobacco	1.4 ℓ	280 ml	i. Apply as a full cover spray 3 weeks after successful transplant. Apply in 500 L water/ha.
Stone Fruit: Apricots, Nectarines, Peaches and Plums	1.4 ℓ 1.4 ℓ 1.4 ℓ	70 - 140 ml 70 - 140 ml 70 - 140 ml	i. Apply at bud burst. ii. Apply at 100% petal drop. iii. Apply directly post-harvest. Apply in 1000 – 2000 L water or according to Tree Row Volume.

Directions for use: (Use only as directed)

Use lower rates as maintenance and higher rates to correct deficiencies.

CROP	MAX RATE/HA	Rate/100ℓ water	REMARKS
Sugar and Ginger	0.7 – 1.4 ℓ	230 - 460 mℓ	i. Apply at 4-6 leaf stage Apply in 300 L water/ha.
Subtropical Fruit: i. Avocados	2.1 ℓ 2.1 ℓ	40 - 70 mℓ 40 - 70 mℓ	i. Apply at Cauliflower stage ii. Apply at autumn flush Apply in 3000 – 5000 L water/ha.
ii. Guavas	2.1 ℓ	70 - 140 mℓ	i. Apply just prior flowering. Apply in 1500 – 3000 L of water/ha.
iii. Lychees and Mangoes	2.1 ℓ 2.1 ℓ	105 mℓ 105 mℓ	i. Apply just prior the onset of flowering. ii. Apply at autumn flush. Apply in 2000 L water/ha.
iv. Citrus	1.4 ℓ 1.4 ℓ	70 - 140 mℓ 70 - 140 mℓ	i. Green tip (balloon stage). ii. 2-4 Weeks after flowering. Apply in 1000 – 4000 L water or according to Tree Row Volume.
Other Crops	0.7 - 1.4 ℓ	140 – 280 mℓ	i. Apply when deficiency symptoms occur. Repeat 2-3 applications with 14 day intervals. Apply in a minimum of 500 L water/ha.

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.