

# OPTICAL AG

6% Calcium



An ideal post flowering application to improve fruit firmness / shelf life in a chloride, nitrogen & sulphur free formulation.

## BENEFITS OF OPTICAL AG

- Calcium without chlorides, nitrates or sulphates
- Highly effective in foliar and fertigation applications
- Excellent soil amendment to displace sodium and improve soil structure
- Ideal post flower treatments for improved shelf life
- Metabolically active calcium to correct calcium deficiency symptom's & disorders

## THE ROLE OF CALCIUM

Calcium is required for the cellulose precursors in cell wall formation. It also stabilises cell membranes and protects them, an important attribute under stress conditions. In fruit crops it is required in high quantities as it is important for fruit quality and shelf life. When plants are threatened by infection, calcium combines with a protein stimulate salicylic acid (SA) production. Calcium improves the fruit skin quality and shelf life.

# OPTICAL AG

CHARACTERISTICS: pH: 5.5 – 6.5 ; Specific Gravity: 1.10 – 1.12

AUS Analysis W/W%: 6% Ca.

International Analysis W/W%: 5.4% Ca.

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## APPLICATION

**BROADACRE:** Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat, Sugar Cane & Pasture crops.

**Foliar:** 2 – 3 L/ha in a minimum of 100 – 300L final spray volume. In cereals apply at 3 – 4 leaf stage, may be applied later. In cotton apply post flowering at regular intervals. In legumes, apply post nodulation at regular intervals.

**DECIDUOUS TREE CROPS:** Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar:** 2 -3 L/ha in a minimum of 200 – 300L final spray volume. **Fertigation:** 10 – 25 L/ha. Apply at complete petal fall through to harvest at regular intervals or as required. **DO NOT apply as foliar on stone fruit varieties.** Best applied through soil during growth period.

**EVERGREEN TREE CROPS:** Such as Avocado, Citrus, Macadamia, Lychee. **Foliar** 4 - 6 L/ha in a minimum of 600 – 900L final spray volume. **Fertigation:** 10 – 20 L/ha. Apply to recently hardened spring flush or during active growing period & post-harvest. Fertigate to meet calcium demand during flowering and fruit fill.

**FRUITING VEGETABLES:** Such as Capsicum, Cucurbits, Eggplant, Tomatoes (field), Watermelons, Pumpkins. **Foliar** 3 – 5 L/ha in a minimum of 300 – 500L final spray volume. **Fertigation:** 10 – 15 L/ha. Apply regular applications, 14 -21 days apart through the crop cycle from early growth onwards.

**LEAFY VEGETABLES:** Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar:** 3 - 5 L/ha in a minimum of 300 – 500L final spray volume. **Fertigation:** 10 – 15 L/ha. Apply regular applications, 14 -21 days apart through the crop cycle from early growth onwards.

**ROOT VEGETABLES:** Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar:** 2 - 4 L/ha in a minimum of 200 – 400L final spray volume. **Fertigation:** 10 – 15 L/ha. Apply regular applications, 14 -21 days apart through the crop cycle from early growth onwards. Apply from bulb formation to harvest in onions and in potatoes from hooking to canopy closure.

**VINE and BERRY CROPS:** Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar:** 2 - 3 L/ha in a minimum of 200 – 300L final spray volume. **Fertigation:** 10 – 25 L/ha. Apply every 14 days from flowering onwards. **DO NOT exceed 2x concentration or 2x per hectare rate.** Fertigate table grapes at regular intervals and post-harvest to meet calcium demand.

Fertigation rates are dependent on seasonal nutrient demand.

Agitate contents well prior to application.

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NOTE: The suggested rates of application of the Product are designed for typical Australian conditions and should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28°C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.