

ENDURANCE CAL

NPKS 0-0-0-13 + 7.5% Calcium



100% soluble & available nutrients to improve soil properties and correct calcium & sulphur deficiency in plants

BENEFITS OF ENDURANCE CAL

- Free of chlorides & nitrate, ideal and safe for fruiting.
- Helps to open soil pores for efficient water dispersion in high pH / sodic soils.
- Calcium induced displacement of sodium in sodic soils.
- Known reaction times allows for more precise soil management.
- 1 tonne of Gypsum equivalence in 113 L of product due to better solubility and calcium availability.
- Provides active calcium & sulphate ions for better plant growth.

THE IMPORTANCE OF SULPHUR

Sulphur is responsible for nitrogen conversion and assimilation. Sulphur is utilised by essential amino acids which make up proteins. Sulphur is also involved in the formation of chlorophyll.

THE IMPORTANCE OF CALCIUM

Calcium is critical for the strength and integrity of cell walls. It plays an important role in cell division and growth development, including pollen tube growth. In fruit crops it is required in high quantities, in some cases in amounts equal to that of nitrogen. Calcium is also shown to be involved in the complex responses of plant cells to environmental stress. Trials show that the foliar application of calcium can enhance plant drought resistance and heat stress by protecting the structure of the cellular plasma membranes whilst still maintaining photosynthesis.

ENDURANCE CAL

CHARACTERISTICS: pH: 7 – 9; Specific Gravity: 1.23 – 1.25

AUS Analysis W/W%: 12.5% S, 7.5% Ca.

International Analysis W/W%: 10.1% S, 6.0% Ca.

APPLICATION

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

Foliar: 4 – 7 L/ha in a minimum of 120 – 210L final spray volume. **Fertigation:** 10 – 20 L/ha. Apply post emergence, well before flowering. Apply at regular intervals from 20 days after establishment. In legumes, apply post nodulation at regular intervals.

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Fertigation:** 10 – 50 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 – 50 L/ha. Juvenile trees: apply at early establishment, repeat as necessary. Mature trees: apply 1 month prior to flowering and repeat as necessary.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes (field), Watermelons, Pumpkins. **Foliar:** 5 - 8 L/ha in a minimum of 750 – 1000L final spray volume. **Fertigation:** 10 – 50 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:** 4 - 8 L/ha in a minimum of 600 – 1000L final spray volume. **Fertigation:** 10 - 50 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:** 4 - 6 L/ha in a minimum of 600 – 900L final spray volume. **Fertigation:** 10 – 40 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:** 4 - 6 L/ha in a minimum of 600 – 900L final spray volume. **Fertigation:** 10 – 50 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.

Fertigation rates are dependent on seasonal nutrient demand.

High rates aid in sodium displacement in soils.

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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.