

ENDURANCE K

NPKS 0-0-30-25



Chloride & nitrate free potassium with added Sulphur to improve colour & flavor of fruit crops

BENEFITS OF ENDURANCE K

- Provides readily available potassium and controlled release Sulphur through unique thiosulphate chemistry.
- Unique blend enhances crop strength, stability, quality & yield.
- High concentration, for lower rate applied per hectare.
- Easy to use clear liquid formulation.

THE IMPORTANCE OF POTASSIUM & SULPHUR

Potassium optimises water use efficiency and is the key nutrient to improve crop photosynthesis and sugar production in fruits. Potassium is very important in fruit bearing plants. Potassium regulates the electrolytes and turgidity of plant cells. Potassium occurs in the guard cells of the stomata and is therefore essential in respiration and transpiration. Potassium is required at all growth stages and a lack of potassium cannot be rectified with late applications.

Sulphur is responsible for nitrogen conversion and assimilation. Sulphur is utilised in essential amino acids which make up proteins. Sulphur is also involved in the formation of chlorophyll. Sulphur improves essential oil production in nut and oilseed crops since it is actively involved in the protein and oil biosynthesis.

ENDURANCE K

CHARACTERISTICS: pH: 9.5 – 10; Specific Gravity: 1.44 – 1.46

AUS Analysis W/W%: 30% K, 25% S.

International Analysis W/W%: 24.9(K₂O), 17.2% S.

APPLICATION

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

Foliar: Aerial: 4 – 6 L/ha in a minimum of 50 - 60 L final spray volume. **Ground Rig:** 5 – 15 L/ha in a minimum of 100 - 300 L final spray volume.

Fertigation: In Furrow: 30 -50 L/ha. Apply at early tillering to early booting. Multiple treatments may be needed to supply potassium requirements

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Fertigation:** 20 – 140 L/ha. Apply as required to encourage & maintain nutrient levels. Note: **DO NOT** apply as a foliar to stone fruit during leaf growth. Can be applied Post harvest but before leaf drop.

EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia, Lychee. **Foliar:** 5 – 8 L/ha in a minimum of 500 – 800L final spray volume.

Fertigation: 20 – 140 L/ha. Apply at 14 – 21 day intervals from fruit set to harvest. **DO NOT** apply in heat of day.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar:** 5 – 8 L/ha in a minimum of 500 – 800L final spray volume. **Fertigation:** 15 – 100 L/ha. Apply as required. Wet foliage evenly to drip. When practical use higher (more dilute) water rates. Fertigate during fruiting to replenish nutrients. **DO NOT** apply in heat of day.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar:** 5 – 8 L/ha in a minimum of 500 – 800L final spray volume. **Fertigation:** 20 – 100 L/ha. Apply as required. Every 7 – 14 days from mid crop to harvest. **DO NOT** apply in heat of day.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar:** 5 – 8 L/ha in a minimum of 500 – 800L final spray volume. **Fertigation:** 20 – 100 L/ha. Apply as required. Wet foliage evenly to drip. When practical use higher (more dilute) water rates. **DO NOT** apply in heat of day.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar:** 5 – 8 L/ha in a minimum of 500 – 800L final spray volume. **Fertigation:** 20 – 140 L/ha. Apply at 14 day intervals from fruit set onwards. Use higher dilutions where possible. **DO NOT** exceed 2x concentration or 2x hectare rate. **DO NOT** apply in heat of day.

Fertigation rates are dependent on seasonal nutrient demand.

Agitate contents well prior to application.

DO NOT apply to foliage of any crop if temperature is above 25°C.

SOIL APPLICATIONS

Starter fertiliser: Rate L/ha – 10 – 40. Apply at least 50mm below and to the side of the seed row.

Side dress: Rate L/ha – 10 – 60. Apply either surface banded or knife injected as a source of Potassium & Sulphur. Rates may vary depending on crop requirements & soil analysis.

Fertigation rates are dependant on seasonal nutrient demand.

Foliar **DO NOT** apply to any crop when temperatures are above 25°C. **DO NOT** apply to sulphur sensitive crops such as celery as foliar burn may occur.

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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.