

KEYSTONE® PLUS

NPKS 9-20-1-0 +Zinc + OrganicAcids

Ideal starter & foliar fertiliser when high levels of plant available Nitrogen & Phosphorus are required for growth and root production

BENEFITS OF KEYSTONE® PLUS

- Unique controlled delivery of phosphate across a wide range of soil types.
- Ideal nitrate-free starter fertiliser made from the highest-grade raw materials and powered by organic acids in solution.
- Excellent source of highly available season long phosphate for your crop.
- Able to sequester & free insoluble micro elements bound in soils, making them plant available.
- Keystone® Plus has a unique bio enhancer to further assist in root, foliage, flower, fruit development and uniformity of growth.
- Source of highly available and compatible zinc with phosphorus.
- Can be fertigated and/or foliar applied in all crops except Australian native plants.
- Helps the farmer to avoid Phosphate lockup with this unique high plant available Phosphate formulation.

THE IMPORTANCE OF NITROGEN

Nitrogen forms protein and increases the yield of all crops. It is the essential building block of plant structure and is vital to plant growth, however it does need to be in balance with the other plant elements. Nitrogen is often leached from the soil therefore regular small applications will ensure efficient uptake without excessive losses

THE IMPORTANCE OF CONTROL DELIVERY PHOSPHORUS AND OTHER COMPONENTS

Plants need stabilized and highly available phosphorus at all growth stages, particularly in early growth stages as it is necessary for cell division and growth within the plant. Although mobile within the plant, it is relatively immobile in soil.

The controlled delivery phosphorus ensures stability of Keystone Plus under a wider soil pH range. The phosphate is not subject to soil lock up. Both phosphates and Zinc helps in root growth for early establishment and uniform crop growth. Zinc also helps with reducing the impact of sulphonyl urea herbicides normally used in row crops.

The addition of organic acids provides a stable soil structure optimum for reducing the crusting that can reduce the germination and seedling emergence. These organic acids also help eliminate low soil temperature stress, water stress and help with improved nutrients holding and cation exchange capacity of the soils.

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CHARACTERISTICS: pH: 6.0 - 7.0; Specific Gravity: 1.29 - 1.31

AUS Analysis W/V%: 8.6%N, 11.4% P, 1.0% K, 1.3% Zn

International Analysis W/W%: 6.7 %N, 20% P₂O₅, 1.2% K₂O, 1.0% Zn

APPLICATION

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat, Winter Forage and Pasture crops. **Foliar: 2 – 5 L/ha** in a minimum of 50 - 75 L final spray volume. **Soil injection: 15 – 40 L/ha.** Canola: Foliar spray at growth stage one - 4 or more leaves. Repeat at onset of stem elongation. Cereals: Foliar spray four – five leaf to early stem extension Zedok's G.S. 12 - 30. Applications post GS30 are not recommended. Apply at seeding via soil injection, placement 50mm below & to the side of seed or as directed by your agronomist.

CUT FLOWERS & ORNAMENTALS OPEN FIELD: Such as Carnations, Gypsophilla, Roses & Statice. **Foliar: 4 – 6 ml/L,** spray volume 1000L/ha. Note foliar applications may leave a coloured residue. **Fertigation: 10 – 40L/ha.** Apply when young plants are 3- 4 true leaf, repeat across the growing season as required to maintain nutrient level.

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 5 – 6 L/ha** in a minimum of 500 – 600L final spray volume. **Fertigation: 15 – 50 L/ha.** Apply pre-flowering at lower rates or postharvest at higher rates. **DO NOT APPLY** as a foliar to especially stonefruit such as nectarines, apricots and some varieties during leaf and fruit growth. Apply post harvest but before leaf drop.

EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia, Lychee. **Foliar: 5 – 6 L/ha** in a minimum of 500 – 600L final spray volume. **Fertigation: 15 – 50 L/ha.** Apply at spring flush and post-harvest as required.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar: 5 – 6 L/ha** in a minimum of 500 – 600L final spray volume. **Fertigation: 10 – 40 L/ha.** Apply as required. Spray to the point of run-off. When practical use higher (more dilute) water rates.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauli lower, Kale and Herbs. **Foliar: 4 – 6 L/ha** in a minimum of 750 – 900L final spray volume. **Fertigation: 10 – 40 L/ha.** Apply as required. Spray to the point of run-off. When practical use higher (more dilute) water rates.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 4 – 6 L/ha** in a minimum of 750 – 900L final spray volume. **Fertigation: 10 – 50 L/ha.** Apply as required. Spray to the point of run-off. When practical use higher (more dilute) water rates.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 5 – 6 L/ha** in a minimum of 750 – 900L final spray volume. **Fertigation: 10 – 30 L/ha.** Apply as required or 2 x foliar applications. Spray to the point of run-off. When practical use higher water rates. **DO NOT EXCEED** 1 x concentration as phytotoxicity may occur. **DO NOT EXCEED** maximum hectare rate.

Fertigation rates are dependent on seasonal nutrient demand. Agitate contents well prior to application.

DO NOT apply foliar in the heat of the day.

Fertigate to replenish nutrients.

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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.