

FOLIAR BOOST

NPKS 8-2-4-0 + Trace Elements



Rapidly available, balanced macronutrients with EDTA chelated trace elements with highly effective uptake to promote overall plant growth

BENEFITS OF FOLIAR BOOST

- Rapid uptake, balanced macronutrient with EDTA trace elements.
- Ideal foliar and fertigation treatment to replenish essential nutrients.
- Contains phosphorus & nitrate nitrogen for effective foliar uptake & production of biomass in pastures.

THE ROLE OF NITROGEN

Nitrogen forms proteins and amino acids to increase growth and crop yield. It is the essential building block of plant structure and is vital to plant growth. Nitrogen is often lost from the soil through leaching, volatilisation and microbial action. Regular, small applications help ensure efficient uptake without excessive losses.

THE IMPORTANCE OF PHOSPHOROUS

Phosphorous assists in root development and energy production in plant cells to carry-out vital metabolic functions and nucleic acid biosynthesis. Phosphorus acts as a structural component of nucleic acids and phospholipids which form plant membranes. It is also important in cell division, photosynthesis, sugar and starch formation, energy transfer and movement of carbohydrates. Phosphorous deficiencies are very common in alkaline calcareous and acid soils, due to its binding with calcium in high pH soils and aluminium and iron in acid soils.

THE IMPORTANCE OF POTASSIUM

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.

THE IMPORTANCE OF TRACE ELEMENTS

Many trace elements function as essential parts of enzymes in the cell. Important enzymes consist of proteins which attach to co-enzymes. The control of cellular processes through chemical reactions is performed via enzymes, particularly those related to photosynthesis and reproduction.

FOLIAR BOOST

CHARACTERISTICS: pH: 3.4 – 4.5 ; Specific Gravity: 1.15 – 1.17

AUS Analysis W/W%: 8% N, 2% P, 4% K, 0.01% B, 0.02% Cu, 0.1% Mo, 0.05% Fe, 0.06% Mn, 0.06% Zn.

International Analysis W/W%: 6.9% N, 4% (P₂O₅), 4.3% (K₂O), 0.01% B, 0.02% Cu, 0.09% Mo, 0.04% Fe, 0.05% Mn, 0.05% Zn.

APPLICATION

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 3 – 5 L/ha** in a minimum of 150 - 250 L final spray volume.* Best applied at 3 – 4 true leaf, may be used at other growth stages. For maintenance, use the higher rate.*Aerial application: use maximum practicable water rates.

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 3 – 7 L/ha** in a minimum of 500 - 700L final spray volume. **Fertigation: 10 – 20 L/ha.** With first post blossom spray, continue with every second cover spray (up to 40L/ha season).
Note: Avoid applications during flowering.

EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia, Lychee. **Foliar: 4 – 8L/ha** in a minimum of 400 - 800L final spray volume.
Fertigation: 10 – 20 L/ha. Apply monthly from flowering to end of fruit development.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar: 4 – 8 L/ha** in a minimum of 200 - 400L final spray volume. **Fertigation: 10 – 20 L/ha.** Apply at regular intervals from flowering until harvest. Fertigate regularly to replenish nutrients.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 3 – 5L/ha** in a minimum of 300 - 500L final spray volume. **Fertigation: 8 – 15 L/ha.** Apply prior to flowering with further applications at regular intervals.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 4 – 8 L/ha** in a minimum of 400 - 800L final spray volume. **Fertigation: 10 – 20 L/ha.** Foliar spray, early season or when leaf area is sufficient to intercept spray. Apply with compatible crop protection sprays.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 2 – 4L/ha** in a minimum of 200 - 400L final spray volume. **Fertigation: 10 – 20 L/ha.** Apply pre flower, further applications at regular intervals. **DO NOT exceed label rates or solution concentration.**

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.