

# ACTIVIST® RED

**NPKS 7-0-0-0, 50% Copper**



A high analysis, activated source of copper for foliar & soil applications

## BENEFITS OF ACTIVIST® RED

- Highly micronised, controlled release, low salt index copper. Suitable for all crops.
- Contains Agrichem cofactors to “Activate” the uptake of longer lasting copper. Enhanced uptake = lower application rates & less wastage.
- 5x more copper than SUPA COPPER (EDTA chelate).
- 2x more copper than copper sulphate. Incorporating Agrichem’s Activist® Technology delivering rapid foliar uptake, followed by 4 – 6 weeks of extended uptake.
- Improves pollen health and fertilisation and seed set.

## THE IMPORTANCE OF COPPER

Copper is crucial to several enzyme systems and cannot be replaced by any other metal ion. It is involved in cell wall formation, electron transport and oxidation reactions. Copper also affects the formation and chemical composition of cell walls which in turn affects lignification and cell wall strength. Copper plays a key role in Vitamin A production.

## THE IMPORTANCE OF NITROGEN

Nitrogen is the key nutrient that drives growth. 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. Nitrogen helps in the amino acid metabolism, production of plant hormones, cell growth and enzyme production. These enzymes catalyse various metabolic activities leading to sugar, starch and oil production.

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**CHARACTERISTICS:** pH: 9.5 – 10.5; Specific Gravity: 1.49 – 1.51

**AUS Analysis W/V%:** 6.9% N, 50% Cu.

**International Analysis W/W%:** 4.6% N, 33.2% Cu.

## APPLICATION

**BROADACRE:** Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 0.15 – 0.55 L/ha** in a minimum of 10 - 60 L final spray volume. **Fertigation: 0.1 – 0.2 L/ha** via water injection or down the tube. 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. Down the tube – as directed by your agronomist.

**CUT FLOWERS & ORNAMENTALS OPEN FIELD:** Such as Carnations, Gypsophilla, Roses & Statice. **Foliar: 2ml/L/ha** in a minimum of 500 - 1200L final spray volume. **Fertigation: 0.1 – 0.5 L/ha.** Foliar spray 10 – 14 days post emergence, may be used at other growth stages as required. May leave a red brown residue on leaf / flowers. Test a small trial area before general application.

**DECIDUOUS TREE CROPS:** Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 0.2 – 0.5 L/ha** in a minimum of 100 - 200L final spray volume. **Fertigation: 0.1 – 0.5 L/ha.** Apply pre-flowering at lower rates or post harvest at higher rates. **Note: Do NOT apply as a foliar to stone fruit as phytotoxicity may occur.**

**EVERGREEN TREE CROPS:** Such as Avocado, Citrus, Macadamia, Lychee. **Foliar: 0.2 – 0.5 L/ha** in a minimum of 100 - 200L final spray volume. **Fertigation: 0.1 – 0.5 L/ha.** Foliar spray post harvest onto copper deficient trees. **Do not apply during budding or fruit development.**

**FRUITING VEGETABLES:** Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar: 0.15 – 0.5 L/ha** in a minimum of 50 - 200L final spray volume. **Fertigation: 0.1 – 0.5 L/ha.** Best applied when sufficient leaf area present, before fruiting. Fertigate during fruiting to replenish nutrients.

**LEAFY VEGETABLES:** Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 0.15 – 0.375 L/ha** in a minimum of 50 - 200L final spray volume. **Fertigation: 0.1 – 0.5 L/ha.** Foliar spray 10 – 14 days post emergence. Best fertigated to avoid coverage on edible leaves.

**ROOT VEGETABLES:** Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 0.15 – 0.5 L/ha** in a minimum of 50 - 200L final spray volume. Foliar spray, early season or when leaf area is sufficient to intercept spray. Repeat applications every 14 -21 days. Apply with compatible crop protection sprays.

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.