

# ACTIVIST® MAX

*NPKS 7-0-0-0, 70% Zinc*



A highly concentrated, activated source of Zinc for foliar & seed dressing applications

## BENEFITS OF ACTIVIST® MAX

- Incorporating Agrichem's Activist® Technology delivering rapid foliar uptake, followed by 4 – 6 weeks of extended uptake.
- Contains Agrichem cofactors to "Activate" Zinc uptake Accelerates seedling development and early vegetative growth
- Promotes healthy and vigorous root systems which can access essential nutrients from the soil
- Slow release formulation ensures continued fertilisation of young crop
- Product suitable for seed dressing, foliar or soil application
- Extremely safe for application at all stages of plant growth due to nutrient forms
- Compatible with many other chemicals, seed and foliar treatments
- Has micro-fine particles ensuring even coverage and effective plant uptake
- High concentration reduces quantity of product needed and saves on packaging and freight costs

## THE IMPORTANCE OF ZINC

Zinc forms part of an enzyme which produces carbon dioxide, and maintains its level for photosynthesis. Zinc is also essential for auxin (hormone) production, which helps with growth regulation and stem elongation. It is used in the formation of chlorophyll and some carbohydrates, conversion of starches to sugars and its presence in plant tissue helps the plant to tolerate extreme temperatures. The poor mobility of zinc can amplify deficiencies.

# ACTIVIST® MAX

CHARACTERISTICS: pH: 8.5 – 10; Specific Gravity: 1.77 – 1.791

AUS Analysis W/W%: 7% N, 70% Zn.

International Analysis W/W%: 3.9% N, 39.4% Zn.

## APPLICATION

**BROADACRE** : Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 0.1 – 2 L/ha** in a minimum of 20 - 60 L final spray volume. **Fertigation: 0.6 – 2 L/ha**. Water injection or down the tube. Best applied at 3-4 true leaf, however; may be used at other growth stages. For maintenance, use the higher rate. Best applied at late cabbage stage, may be used at other stages in Canola. For Cotton, apply to boost growth early in season & post waterlogging events. \*Aerial application: use maximum practicable water rates. For cotton and pastures, increase dilution rates to 1:60. Herbicide remediation: 0.25 – 0.5L in a minimum of 20 - 50 L final spray volume. Activist® Zinc rapidly remediates unwanted, on crop herbicide effects attributed to Sulfonylurea (SU) & other herbicides.

**DECIDUOUS TREE CROPS**: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 0.2 – 0.75 L/ha** in a minimum of 20 – 60L final spray volume. **Fertigation: 1 – 2 L/ha**. Spray at early bud, post petal fall. Apply post harvest at higher rates of 3L/ha. Note: Avoid applications during flowering.

**EVERGREEN TREE CROPS**: Such as Avocado, Citrus, Macadamia, Lychee. **Foliar: 0.25 – 1 L/ha** in a minimum of 15 – 50L final spray volume. **Fertigation: 1.5 – 2 L/ha**. Apply to recently hardened spring flush or during active growing period & post harvest

**FRUITING VEGETABLES**: Such as Capsicum, Cucurbits, Eggplant, Tomatoes (field), Watermelons, Pumpkins. **Foliar: 0.25 – 1 L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 1 – 2 L/ha**. Apply at regular intervals from 5th leaf until 14 days pre harvest. Fertigate regularly to replenish nutrients

**LEAFY VEGETABLES**: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 0.25 – 1 L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 1 – 2 L/ha**. Apply at 3 -4th leaf stage

**ROOT VEGETABLES**: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 0.25 – 1 L/ha** in a minimum of 300 final spray volume. **Fertigation: 1 – 2 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: 0.25 – 1 L/ha** in a minimum of 175 – 280L final spray volume. **Fertigation: 1 – 2 L/ha**. First foliar application shoots 10 cm long. Second application less than 5% flowering. Do not use at <1:20 concentration. Up to 2 L/ha can be used without detriment to the crop. Fertigation rates are dependent on seasonal nutrient demand and soil acidity.

Agitate contents before use

## SEED DRESSING

**BROADACRE** : Barley, Cotton, Oats, Triticale & Wheat. **2 – 6 L/Tonne seed** Canola mix **10 – 15 L/Tonne seed** Grain legumes Maize, Rice **2.5 – 6 L/Tonne** with sufficient water or compatible liquid plant protection products to ensure adequate coating of seed. If using lower rates follow up tissue tests may be required to determine the need for foliar applications post emergence. If applied without dilution uneven seed coverage may occur. Apply 1 – 3 L water tonne seed, depending on seed moisture content & ambient air temperature. Some of the water may be substituted with Kelpak (a plant growth promoter) at **1 – 2 L / tonne of seed**, with the upper rate being applied to small seeds such as Canola. Kelpak assists germination process & encourages root development. Activist® Max is not compatible with rhizobia inoculant products. **Potato Seed piece 5– 15 L/ha** with a 1:20 min dilution. Apply in minimum of 200L water/ ha with compatible plant protection product, seed piece spray. **Sugar cane Billet spray / dip 1.5– 7.5 L/ha** with a 1:20 min dilution. Apply with compatible fungicide treatment at planting.

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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.