

# ACTIFY AN

**NPKS 24-0-0-0**



Readily available nitrogen source in ammonium & nitrate forms, for effective uptake and utilisation

## BENEFITS OF ACTIFY AN

- Readily available nitrogen as ammonium and nitrate for rapid uptake and utilisation
- Ideal for foliar and soil applications to all crops
- Provides balanced ammonium and nitrate nitrogen.
- Improves uptake utilisation of other nutrients.

## 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: 5.5 - 6.5; Specific Gravity: 1.24 - 1.26

AUS Analysis W/V%: 23.8% N  
International Analysis W/W%:

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## APPLICATION

**BROADACRE:** Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 3 – 5L/ha** in a minimum of 60 - 100 L final spray volume. **Fertigation: 20 - 60 L/ha** Apply well before flowering in legumes. Foliar application at knee high in maize. Foliar application before panicle emergence in rice. Foliar sprays until later tillering are most effective for P response in wheat and barley. Minimum dilution: 1 in 20 or max practicable water volume. Best applied at seedling as soil injection. Apply in min 50L/ha water volume.

**DECIDUOUS TREE CROPS:** Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 5 – 8L/ha** in a minimum of 750 – 1200L final spray volume. **Fertigation: 10 - 30 L/ha** Apply through soil in early growth stages and post-harvest to induce root proliferation. **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: 3 – 5L/ha** in a minimum of 450 – 750L final spray volume. **Fertigation: 10 - 30 L/ha** Apply at 7 – 14 day intervals during active growth period or as required. **Do not apply to fruit containing copper residue as burn may result.** Apply prior to application of copper.

**FRUITING VEGETABLES:** Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar: 3 – 5L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 10 - 30 L/ha** Apply as starter and throughout season as required. When practical use higher (more dilute) water rates.

**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: 10 - 30 L/ha** Apply 10 – 14 days after emergence or 2 – 3 weeks after transplanting. **DO NOT apply in heat of day.**

**ROOT VEGETABLES:** Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 3 – 5L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 10 - 35 L/ha** First application shoots 10cm long. Second application: 5% flowering. Also post harvest to prepare the crop for the following season. **DO NOT apply in heat of day.**

**VINE and BERRY CROPS:** Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 3 – 5L/ha** in a minimum of 300 – 500L final spray volume. **Fertigation: 10 - 20 L/ha** First application: shoots 10 cm long. Second application: 5% flowering. Bunch finisher for table grapes. **DO NOT use at concentrations less than 1 : 50**

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.