



Complete & concentrate biological activator, comprising activated humic acids, marine plant & fish extracts.

BENEFITS OF OM3[®]

- Activated humic acids, for enhanced nutrient uptake, plant growth & soils health.
- Bio stimulants with high Auxin ratio stimulating root development.
- Contains a combination of 16 essential amino acids and > 4900 mg/L of total amino acid content.
- Improves soil condition by enhancing carbon content and stimulating microbe populations in the soil.
- Improves the Cation Exchange Capacity of soil to enhance nutrient availability and reduce leaching and losses Stimulates root development in plants to optimize growth and yields.
- Provides high level amino acid nutrition that enhances plants energy levels and improves growth and yields Supports plants through stress events and conditions.

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.

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 PHOSPHORUS

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.

OM3[®]

CHARACTERISTICS: pH: 5.0 – 6.0 ; Specific Gravity: 1.05 – 1.07

AUS Analysis W/W%: 2.8% N, 0.6% P, 2.5% K, 0.07% Mn, 0.07% Fe.

International Analysis W/W%: 2.4% N, 1.3% P (P₂O₅), 2.8% K (K₂O), 0.07% Mn, 0.07% Fe.

APPLICATION

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 2 – 5 L/ha** in a minimum of 10 - 60 L final spray volume. **Fertigation: 10 - 15 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 Zodok'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.

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 4 – 7 L/ha** in a minimum of 800 – 1400L final spray volume. **Fertigation: 7 - 10 L/ha.** Apply as required to encourage & maintain growth. Note: **DO NOT apply as a foliar to stone fruit during leaf 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: 7 - 10 L/ha.** 3 applications at monthly intervals during summer flush.

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: 7 - 15 L/ha.** Apply as required. Wet foliage evenly to drip. When practical use higher (more dilute) water rates. Fertigate during fruiting to replenish nutrients.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 4 – 6 L/ha** in a minimum of 400 – 600L final spray volume. **Fertigation: 7 - 10 L/ha.** Apply as required. Wet foliage evenly to drip. When practical use higher (more dilute) water rates. **DO NOT apply in heat of day.** Fertigate to replenish nutrients.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 4 – 6 L/ha** in a minimum of 400 – 600L final spray volume. **Fertigation: 7 - 10 L/ha.** Apply as required. Wet foliage evenly to drip. When practical use higher (more dilute) water rates.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 2 – 6 L/ha** in a minimum of 400 – 1200L final spray volume. **Fertigation: 7 - 10 L/ha.** Fertigation 4 applications, shoots 30cm, flowering, veraison & post harvest. Foliar not greater than 3x concentrate.

Fertigation rates are dependent on seasonal nutrient demand.

Agitate contents well prior to application.

The information contained in this Product Information Sheet in respect of the "Product" is indicative only and should not be relied upon as advice or a recommendation. While this Information Sheet has been prepared in good faith, Agrichem does not warrant the accuracy of this information. You use the information at your own risk and should rely on your own independent inquiries and assessments. With the exception of the consumer guarantees provided by the Australian Consumer Law (ACL), all conditions and warranties implied in respect of any information or advice provided by Agrichem about the Product are excluded, and Agrichem does not accept any liability whatsoever (including through misrepresentation or negligence), incurred in connection with your use or reliance upon this Information Sheet. If liability under the ACL cannot be excluded but the Product the subject of the Information Sheet is NOT used for personal, domestic or household use or consumption, Agrichem may (at its election) limit its liability to replacement of the Product, or payment of the cost of acquiring the Product. You must not reproduce this information sheet without written consent from Agrichem©.

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.