

NITRO HUMUS 323

NPKS 32-0-0-0 + Activated Humic Acid



Highly concentrated liquid nitrogen with complexed & activated humic acid. Ideal for boosting nitrogen levels & plant growth

BENEFITS OF NITRO HUMUS 323

- Activated humic acids, for enhanced nutrient uptake, plant growth & soils health.
- High nitrogen content complexed to activated humic acid for enhance penetration of nitrogen into plant
- Reduced volatilization, for greater nitrogen use efficiency
- Minimises losses typically associated with nitrogen fertilisers as a result of environmental conditions

THE ROLE OF NITROGEN

Nitrogen forms proteins and increases the yield of all crops. It is the essential building block of plant structure and is vital to plant growth. Nitrogen is easily leached from the soil profile. Regular small applications will ensure efficient uptake without excessive losses.

THE ROLE OF HUMIC ACID

Humic acid assists the uptake of nutrients into plants more efficiently and holds nutrients in the root zone. Humic acid, the active constituents of humus, plays an important role in nutrient availability and improves cation exchange. Microbial activity, water- holding capacity and soil structure all improve with humic acid application.

NITRO HUMUS 323

CHARACTERISTICS: pH: 7 – 7.6 ; Specific Gravity: 1.24 – 1.26

AUS Analysis W/W%: 32.3% N, Humic Acid:Activated (proprietary).

International Analysis W/W%: 25.8% N, Humic Acid:Activated (proprietary).

APPLICATION

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 10 – 20 L/ha** in a minimum of 50 - 100 L final spray volume for Ground rigs or 10 – 20 in a minimum of 20 - 40 L final spray volume for Aerial rigs.

Fertigation: 5 – 20 L/ha. Canola: Apply at full cabbage, repeat as required. Use the higher rate for irrigated crops. Cereals: At early – mid tillering. 2nd spray at milky dough. Use the higher rate for irrigated crops. Maize: 1st spray, 5 – 6 leaf (stage 3), 2nd spray at boot (stage 5).

DECIDUOUS TREE CROPS: Such as Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Fertigation: 10 – 20 L/ha.** Post bud break repeat 6 times at 15 – 30 day intervals. Note: **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: 5 – 10 L/ha** in a minimum of 500 – 1000L final spray volume.

Fertigation: 10 – 20 L/ha. Foliar post-harvest treatment. Fertigate at regular intervals during summer flush.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar: 5 – 10 L/ha** in a minimum of 500 – 1000L final spray volume. **Fertigation: 7 – 20 L/ha.** Apply as required. Wet foliage evenly to drip. When practical use higher (more dilute) water rates. Fertigate during growth periods to replenish nitrogen.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 5 – 10 L/ha** in a minimum of 500 – 1000L final spray volume. **Fertigation: 7 – 20 L/ha.** Apply as required, every 7 – 14 days from early growth to harvest. **DO NOT apply in heat of day.**

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 5 – 10 L/ha** in a minimum of 500 – 1000L final spray volume. **Fertigation: 7 – 20 L/ha.** Apply monthly post emergence or 21 days post-transplant, 6 x applications.

VINE and BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 5 – 8 L/ha** in a minimum of 1000 – 1600L final spray volume. **Fertigation: 10 – 20 L/ha.** Foliar 4 x applications from bud burst to flowering. Apply in cool of day, do not apply to berries or exceed per ha rate. Fertigation from shoots 10 cm to veraison 4 applications. Post-harvest 2 applications. Wine grapes up to 6L, tonne fruit per season.

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.