

ENDURANCE N

NPKS 15-0-0-34

Efficient, economical & effective

BENEFITS OF ENDURANCE N

- Combination of plant available & slow release Sulphur to rapidly correct deficiencies.
- Added nitrogen to assist in uptake & provide extra nitrogen to the plant.
- Completely soluble & plant available, delivering required nutrients at low application rates.
- Stabilization of nitrogen component of urea ammonium nitrate (UAN).

THE IMPORTANCE OF NITROGEN & SULPHUR

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.

Sulphur is responsible for nitrogen conversion and assimilation. Sulphur is utilised in essential amino acids which make up proteins. Sulphur is also involved in the formation of chlorophyll. Sulphur improves essential oil production in nut and oilseed crops since it is actively involved in the protein and oil biosynthesis.

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CHARACTERISTICS: pH: 7.5 – 9.0; Specific Gravity: 1.31 – 1.35

AUS Analysis W/W%: 15% N, 34% S.

International Analysis W/W%: 11.1% N, 25.2% S.

APPLICATION

Foliar dilution ratios: A dilution of 1:100 means 1 part product to a minimum of 100 parts water. In hot weather use a more dilute mixture. Agitate contents well prior to application.

BROADACRE: Canola: **Foliar: 5 – 7 L/ha.** Foliar dilution ratio, 1:10. Apply up to full cabbage. Cereals: **Foliar: 3 – 5 L/ha.** Foliar dilution ratio, 1:10. Apply at 4 – 6 leaf stage.

LEGUMES: Aerial: **Foliar: 5 L/ha.** Foliar dilution ratio, 1:10. Apply in early growth stages. Ground rig: **Foliar: 5 L/ha** Foliar dilution ratio, 1:20.

PASTURES: **Foliar: 5 L/ha.** Foliar dilution ratio, 1:10. **Fertigation: 50 – 140.** Apply 14 days after grazing.

PEAS: **Foliar: 2 – 3 L/ha.** Foliar dilution ratio, 1:200. Treat at 6 leaf stage or in early growth period.

POME & STONE FRUIT: **Foliar: 5 L/ha.** Foliar dilution ratio, 1:200. **Fertigation: 7 – 9 L/ha .** Apply in early vegetative growth.

TURF: **Foliar: 10 L/ha – 30 L/ha(100-300ml 100m²).** Foliar dilution ratio, 1:10. For application to fairways, ovals and parks. Vegetables: **Foliar: 5 L/ha** Foliar dilution ratio, 1:200. **Fertigation: 7 – 9 L/ha .** Apply at 6 leaf stage or in early growth period.

VINES (GRAPE): **Foliar: 5 L/ha** Foliar dilution ratio, 1:100. **Fertigation: 5 – 8 L/ha .** Apply at shoots 30 cm.

Foliar dilution ratios: A dilution of 1:100 means 1 part product to a minimum of 100 parts water. In hot weather use a more dilute mixture.

Agitate contents well prior to application.

Fertigation rates are dependant on seasonal nutrient demand.

Foliar **DO NOT** apply to any crop when temperatures are above 25°C.

DO NOT apply to sulphur sensitive crops such as celery as foliar burn may occur.

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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.