HUMISOL™

NUTRIFERT AUSTRALIA

Improve Soil Organic Matter and Soil Health

Soil Organic Matter is the key driver of overall soil health as it influences a number of essential properties that affect productive agricultural soil. Humisol is a cost effective solution for increasing Soil Organic Matter.

Horticultural and Sugar production soils are typically depleted of Soil Organic Matter due to intensive farming operations over a number of seasons. This is due to poor conversion of organic materials to humate in hot and wet climates.

Improving Soil Organic Matter can be difficult as achieving stable humate material requires a large bulk of crop residues, composts, manures and mill by products which are readily degraded by soil flora releasing nutrients. This means the final stable humate supplied is very low.

How Humisol Works

Humisol supplies humates that are stable products from the decomposition of ancient plant materials and hence when applied to soils are not further degraded. Stable humates at low rates of application have beneficial improvements on Soil Organic Matter.

Studies have shown that 30 T/ha manure or 15 T/ha compost is equivalent to 1 kg/ha of stable humate material applied. This demonstrates that concentrated humate products are a worthwhile addition to farming soils.

Key Influences of Organic Matter on Soil Properties

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This product is available in two grades depending on method of application:

HUMISOL™ SG

Soluble Humate Prill for Blending

Typical Analysis	Form	Potassium Humate	Humic Acid	Fulvic Acid	Potassium	Solubility
Humisol SG	2-4 mm prill	75 %	55 %	8 %	7 %	70 %

Humisol SG as a Prill is applied in NPKS blends and hence at low rates can be evenly distributed into the fertiliser zone, using the fertiliser as a carrier. A key benefit of blending is that Humisol is in close proximity to the applied fertiliser and hence absorption and chelation of applied nutrients occurs. In addition, the crop's active root zone is most developed where fertiliser is applied, ensuring the maximum effects of stable humate are delivered.

Humisol SG can be incorporated in the majority of NPKS blends and compounds that are commonly used.

Typical rates of application are 25 kilograms per hectare per year split into each NPKS application.

HUMISOL™ SP

100 Percent Soluble Humic Fulvic Powder for Fertigation

Typical Analysis	Form	Potassium Humate	Humic Acid	Fulvic Acid	Potassium	Solubility
Humisol SP	Powder	85 %	65 %	10 %	10 %	100 %

Humisol SP is a 100 percent soluble powder. When dissolved in water it can be applied through small micron irrigation emitters and through liquid ground application prior or at planting through conventional liquid applicators.

Like the Prill product, Humisol via fertigation is ideally placed in the active nutrient zone where influence on the crop's active root system is most efficient.

Common rates of application are 2 kilograms per month during the cropping period after an initial application of 5 kilograms per hectare.

For more information about how Humisol can benefit your crops, please contact your local dealer.