

# SOLUBLE HUMATE GRANULE

CONCENTRATED 65% HUMIC TO STABILISE AND CHELATE NUTRIENTS FOR IMPROVED PLANT UPTAKE

**Increase efficiency of fertiliser such as NPK.**

**Build soil water holding capacity.**

**High levels of humic acid are beneficial in soil remediation including low carbon, compacted, salt affected and sandy soils.**

**Stimulates beneficial soil biology.**

- Humic and fulvic are natural chelators and complexing agents increasing nutrient absorption from fertilisers.
- Use with fertilisers (including urea/ DAP/ MAP/ Guano/ lime) to stabilise and enhance productivity.
- Improves water holding capacity and assists soil wetting.
- Complexes with phosphate reducing lock-up.
- Buffers excess salt, chemical residues and heavy metals.
- Humic also has pH buffering capacity and can reduce nutrient lock-ups associated with soil pH extremes.
- Retain and promote building of soil carbon.
- Promotes seed germination, early root growth and mass.
- Natural growth stimulants enhance cell reproduction.
- Humic is a fungal stimulant. Beneficial fungi are the missing biological link in many agricultural soils.



## Build Soil Structure and Water Retention

Humic & Fulvic improve soil structure through stimulation of biological activity and processes (especially fungal). Biological processes naturally build a crumb like structure in soil aggregates for good root penetration, better oxygen intake, and water holding capacity. Plants with more roots, water and oxygen in the root zone make a big difference in times of crop or plant stress e.g. dry conditions

## TYPICAL ANALYSIS (w/w - Dry basis)

Potassium Humate	85%min
Total Humic Acid Extract (dry basis)	65%min
Potassium Fulvic (K <sub>2</sub> O dry basis)	8% min
Potassium as Organic (dry basis)	7%
Moisture	15% max
Crystal Size	2-5mm
Water solubility	85%min
pH	9-10
Appearance	Black/brown crystal

Available in 25kg bags and 1 tonne bulka bags.

To be stored in a clean, dry, well ventilated and dark place.

## RECOMMENDATIONS

Apply with granular<sup>#</sup> and solid fertiliser at 5 - 30% of total application

	Rate / Ha	Remediation* /Ha
Crop/Pasture (Low/Med Rainfall)	5-20 kg/ha	Upto 50 kg/ha
Crop/Pasture (High Rainfall / Irrig)	10-40 kg/ha	Upto 50 kg/ha
Horticulture	10-50 kg/ha	50-100 kg/ha
Vines	10-50 kg/ha	50-100 kg/ha
Tree Crops	10-50 kg/ha	50-100 kg/ha
Turf	10-50 kg/ha	50-100 kg/ha
Lime applications	1-10% of Lime application	

\*High levels of humic acid are extremely beneficial in remediation of low carbon soils, sandy soils or soils affected by salt, compaction and other toxicities. Remediation rates are often recommended over split applications.

<sup>#</sup>BioMAX Soluble Humate Prill is recommended for air-seeders, augers or cone spreaders. Rates and timings may change depending on crop and season. Always consult a LawrieCo consultant or distributor for specific recommendations.

Building wealth from soil with  
Next Generation Fertiliser

