



Combining Amorphous Silica and Potassium Humate

Advanced Soil Health for Resilient Plant Growth



Why This Combination Works

Together, Amorphous Silica and Potassium Humate create a powerful synergy that improves soil structure, enhances nutrient efficiency, and strengthens plant resilience—naturally and sustainably.



Key Benefits

1. Superior Nutrient Availability

- Humate chelates and unlocks nutrients in the soil
- Silica strengthens roots to take up nutrients efficiently
- Improves CEC for nutrient holding

2. Water-Holding and Drought Resistance

- Humate enhances water retention and soil porosity
- Silica reduces water loss and improves drought tolerance

3. Improved Root Development

- Humate feeds beneficial microbes and promotes root exudation
- Silica stimulates root elongation and mass, improving anchorage and nutrient reach

4. Stress Tolerance & Disease Resistance

- Silica boosts natural plant defenses against heat, salinity, disease & pests
- Humate buffers against soil pH extremes and environmental shocks

5. Boosted Soil Microbial Activity

- Humate is a rich carbon source for soil biology
- Silica provides porous surfaces for beneficial microbial colonisation

6. Long-Term Soil Health

- Increases cation exchange capacity (CEC) and organic matter content
- Improves overall soil structure, fertility, and biological balance



Ideal For Use In

- Turfgrass and sports fields
- Horticulture, vineyards & orchards
- Broadacre cropping
- Gardens and landscaping
- Sandy, depleted, or salt-affected soils



How to Apply

- Blend both into soil at planting or during topdressing
- Apply with compost or fertiliser blends for maximum effect
- Suitable for use in organic and regenerative systems