

	HumatAndalan
Potassium Humate Organic	
Chemical and Physical Properties	
Product Type	Humic acid
Description	Potassium Humate Organic Liquid
Product Use	<ul style="list-style-type: none"> • Organic chelating and coating for fertilizer, aquaculture, animal feeds, etc. • Soil conditioner and plant growth regulator. • Soil and foliar feed for crops.
Typical Analysis	<ul style="list-style-type: none"> • Humic Acid 20 - 30% • C-Organic 4 - 6% • Potassium (K) 3 - 4% • Nitrogen (N) < 1% • Phosphorus (P) 0.5 - 1 % • Calcium (Ca) 0.004% • Magnesium (Mg) 0.005% • Ferrous (Fe) 0.003% • pH 9 • DHL 20 - 30 mS/cm • Density 1.1 g/cm³
Analytical Method	Available on request.
Appearance	Dark brown liquid
Solubility	Completely soluble in water.
Packing	To be specified
Storage	HumatAndalan Re-seal partly used packs tightly. Protect from frost.
Transport Precautions	No special precautions are necessary for transport by sea, rail or road.

Directions For Use	
General Information	<p>For foliar application HumatAndalan should be mixed with a convenient volume of water to suit the spraying machine being used and the target crop leaf area. The following points should be observed.</p> <ol style="list-style-type: none"> 1. The sprayer should be fitted with nozzles that produce a fine mist. 2. Only sufficient spray solution should be applied to coat the leaves and stems with a film of moisture with little or no "run off". 3. Spraying should be carried out on a calm day BUT NOT DURING STRONG SUNSHINE OR HIGH TEMPERATURES. The best time is late afternoon or evening. 4. If rain is imminent, spraying should be postponed. If rain falls within 4 hours of spraying, the crop should be re-sprayed 3 or 4 days later. <p>Rates of Use 2 – 4 liter/ha</p> <p>For soil/fertigation application HumatAndalan should be mixed with a convenient volume of water to suit the spraying machine being used and apply to the soil.</p> <p>Rates of Use 4 – 8 liter/ha/year</p> <p>Water Volume HumatAndalan to be applied should be mixed with a volume of water appropriate to the crop leaf area of the type of spraying machine being used. 200-600 liters per hectare.</p> <p>For mixing with fertilizer application HumatAndalan should be added to fertilizer such as NPK, Urea, etc. in blending or granulation process. Can be applied by spraying gun or coater.</p> <p>Rates of Use 2 – 4 liter/ton</p> <p>For feeds additive HumatAndalan should be mixed in blending process. Can be applied by spraying or material spreader to allow for easier more uniform spreading.</p> <p>Rates of Use 0.05 – 0.1% v/v</p>

Other Information	
Technical Service	For further information please contact the Technical Assistance of PT Andalan Chemist Indonesia.
Health and Safety	Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant Health and Safety information sheet.