

DIY Liquid Humic Acid Recipe

Humic acid is a carbon-rich organic acid derived from humates. It is an excellent soil conditioner, beneficial fungal promotant, and natural chelating agent. It also helps to reduce nutrient leaching, buffers soil toxicities (such as sodium), promotes good root systems and prevents burnout of precious soil carbon that is normally associated with the application of soluble N fertilisers.

To produce a 6% potassium humate liquid:

- Add 1 kg of **NTS Soluble Humate Granules™** very slowly to 10 L of water, under vigorous agitation.
- 10 – 15% of the humates are insoluble; let sit overnight and then siphon the soluble fraction from the top (avoiding insoluble sediment resting on the bottom). The insoluble sludge remaining is a valuable addition to composts.

Note: Humic acid is not compatible with acidic inputs, such as soluble sulfate, phosphate or nitrate, or agricultural chemicals including herbicides, insecticides and fungicides.

Crop	Rate	Application Details
Vegetables	20 – 40 L/ha	Fertigate weekly or as required
Orchards, Vineyards, Ornamentals & Turf	20 – 40 L/ha	Fertigate or groundspray every 2 – 4 weeks or as required
Pasture	2 – 6 L/ha	Foliar spray with dissolved urea or UAN whenever a N boost is required