

## Pasture

## Humate information series

New Zealand's pasture based farming is reliant on growing large quantities of high quality pasture as it's the cheapest form of feed, but not one always achieved.

### **Humates could be the key to help achieve quality pasture**

The world's oldest and most concentrated form of compost containing in perfect balance, carbon, starches/sugars (feeds microbial life) with humic and fulvic acids all from an absolutely natural resource.

Used in conjunction with a balanced fertility program quality humates will:

- Stimulate the development of soil microbe populations
- Improve the soil structure and aeration
- Increase root growth
- Stimulate plant enzymes
- Enhance tillering
- Increase efficiency of use of soil nitrogen
- Enhance nutrient uptake and stimulation
- Bind to Al and Fe helping release locked up phosphate
- Enhance the overall performance of applied fertiliser retaining nutrients until required.
- Assist pasture resistance to stress factors, and promote general health of pasture
- Increased drought tolerance

A recent trial with humates and urea showed that Nitrate-N levels in the first regrowth after N application were at, or close to, toxic levels for cattle on the urea treatment, but were only at 25 to 35% of toxic levels on the humate plus urea treatments.

### **Application rates:**

<i>Pasture application Rates:</i>	<i>Product Application rate per/ha</i>	<i>Time</i>
KiwiMate	200 – 300kg Broadcast	spring or autumn
KiwiMate	50 -100 kg Blended with fertiliser	spring and autumn
Humic Supreme Liquid:	10 litres/ha 4 times per year	