



## Organic Solutions for Growth

Omnia Specialities Australia Pty Ltd

Technical Bulletin May 2007

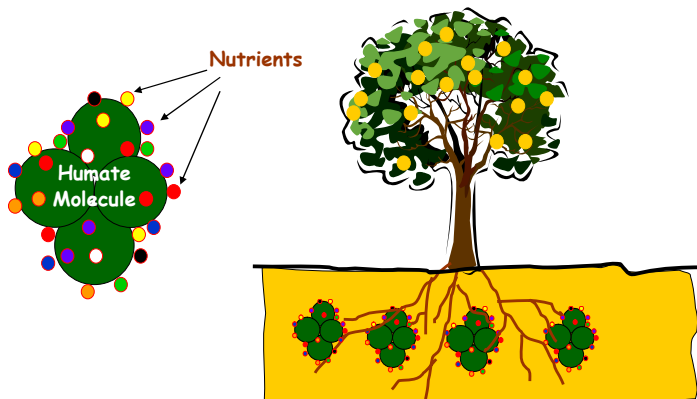
# Soils looking tired and worn-out?

Are your soils looking hard and cracked or dry and dusty after a tough year? Now is the time to give your soils a helping hand with K-humate™ to rejuvenate them for the new growing season ahead. K-humate™ improves your soil by:

- Increasing its wetting ability and water holding capacity
- Improving its physical structures and chemical properties
- Helping to release essential nutrients which are locked-up in the soil
- Stimulating beneficial microbial activity



### Keeping applied fertilizers available for plant uptake

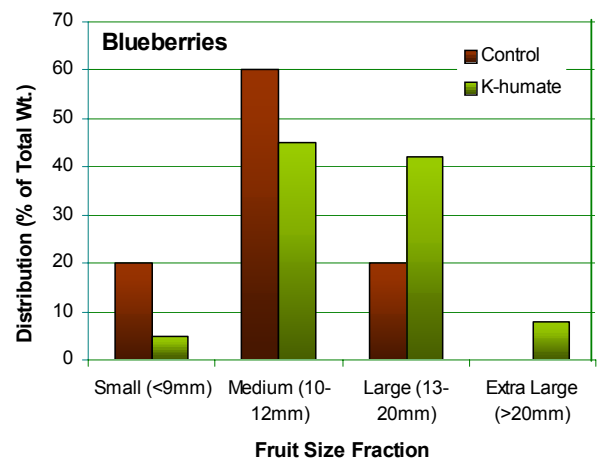
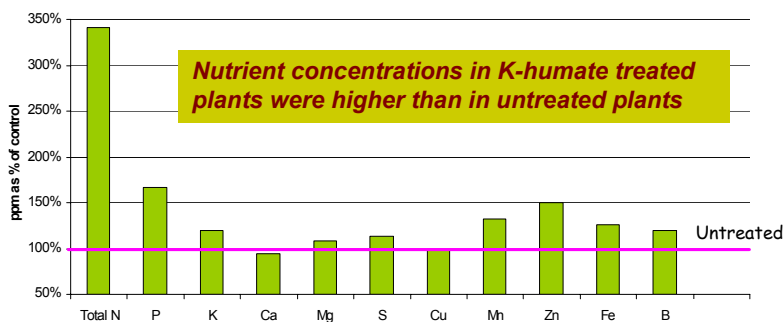


K-humate unlocks nutrients and improves the soils ability to hold a wide range of macro- and micro-nutrients and moisture in the topsoil for quick uptake by plant roots when urgently needed

Two applications of 10 litres per ha of K-humate™, once in winter and another in early spring at a berry farm led to larger and more even fruit sizes in a blueberry crop. Yield increases of 30% for blueberries and 50% for raspberries were achieved

K-humate™ is a concentrated solution of humates which not only have a high CEC to help nutrient retention but also acts as a good carbon food source for stimulating growth of beneficial micro-organisms. Their presence in the root zone enables the soil to retain a balanced mix of nutrients which is essential for a more vigorous and healthy plant growth in the Spring. Trials have also shown that K-humate™ applications have resulted in a significant improvement in nutrient uptake by the plants and crop yield increases .

Effect of K-Humate on the efficiency of nutrient uptake in watermelons



SAP analysis shows improved nutrient uptake in watermelon plants as a result of an application of 20 litres per ha of K-humate™.

**Omnia Specialities Australia Pty Ltd**



Tramway Road (Private Bag No.1) Morwell Victoria 3840 Australia  
Tel: +61 3 5133 9118 Fax: +61 3 5133 9114 Website: www.austrianhumates.com