

# THE BENEFITS OF MOBILIZER™

The benefits of humic and fulvic substances to plant growth have been extensively studied. The use of humic substances in agriculture have been observed to improve the cation exchange capacity of the soil, increase the aeration of the soil and hence the infiltration of water, decrease bulk density, buffer the soil against pH fluctuations and work as chelating agents. The benefits all work toward aiding plants in growth and productivity.

## GROWER TRIAL FOLIAR APPLICATION OF MOBILIZER™ ON SWEETCORN

### AIM

A trial on sweet corn, Cultivar, Punch was conducted in the Hawkes Bay region to assess the impact of the introduction of Mobilizer™ into the management practices.

The trial was conducted over one block divided into two control blocks and a treatment block. The sweet corn crop was planted on 22/10/04 and harvested Mid February 2005. The treatment block consisted of the grower's normal fertiliser regime which was applied to both control blocks. The trial block received the same fertiliser regime as the control blocks, except it also received an application of Mobilizer at 2L / ha applied at the 3 leaf stage.

### RESULTS

Sweet Corn Trial	Tonnes/ ha	Price \$ Per Tonne	Payment Per ha	Mobilizer Treatment Cost / Extra Profit	
Control – Block 1	24.43	\$150.00	\$3664.47		
Control – Block 3	26.11	\$150.00	\$3916.03		
<b>Treatment – Block 2</b>	<b>28.12</b>	<b>\$150.00</b>	<b>\$4218.57</b>	<b>\$20.52</b>	<b>\$407.80</b>
<b>Treatment – Block 2 Special Note *</b>	<b>31.08</b>	<b>\$150.00</b>	<b>\$4662.00</b>	<b>\$20.52</b>	<b>\$851.23</b>

**Special Note\*:** The section of the treatment block had an area which was affected by poison prior to the trial. The affected area was measured at just less than 1.5 acres which in fact gave the treatment block a substantially greater yield at 31.08 Tonnes / ha. This further increases the payment figure to \$4662.00 / ha. When compared against an **average** of the two control blocks one application of Mobilizer shows extra profit earned, after application costs of \$20.52 are taken off, at \$851.23/ ha.

**Notes:** It is noted that the suppliers of Mobilizer would prefer to see 2 applications of Mobilizer applied per crop; however it is difficult to get tractors into corn fields later into the season.