

THE BENEFITS OF MOBILIZER™

The benefits of Humic substances to plant growth have been extensively studied. Their use 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 a chelating agent. The benefits all work toward aiding the plant in growth and production.

GROWER TRIAL FOLIAR APPLICATION OF MOBILIZER™ ON SWEETCORN

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

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 fertilizer regime as applied to both control blocks with the addition of Mobilizer @ 2L / Ha Applied at 4 leaf stage by one application.

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		
Treatment – Block 2	28.12	\$150.00	\$4218.57	\$20.52	\$407.80
Treatment – Block 2 Special Note *	31.08	\$150.00	\$4662.00	\$20.52	\$851.23

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.

The grower through their pack house took random samples to determine cob size.

Count	8	7	6	5	4
Treated	6.52	7.53	23.65	39.22	23.07
Control	1.48	17.97	34.37	38.33	7.85

It is worth noting from the random sample that the Mobilizer treated block reduced small corn cob sizes by 5.4 % compared to the control whilst increasing corn in the larger size cobs by 15.22 %

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.