Case Study

BOOSTER-Mag™

Evaluation on field tomato in Goulburn Valley, Australia.

An example of the improvement in plant resistance to insect damage that can be achieved.

With support from the Australian Processing Tomato Research Council (APTRC) and local growers, a rigorous evaluation of BOOSTER–Mag was undertaken across 3 farms.

The crops were grown using conventional methods with selected areas treated with a 1% v/v mix of BOOSTER–Mag using spray booms at a rate equivalent to 1.5 kg/ha. 3 treatments were made; 1st week January, 3rd week January, 3rd week February.

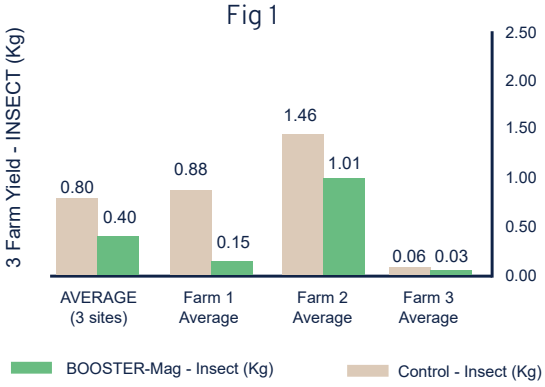
The crop was assessed by hand harvesting and quantifying fruit quality; degree of fruit ripening – (red and green fruit); extent of insect damage (wormholes, deep entries and stings); extent of blossom end-rot; micro-nutrients (by pediole analysis) and fruit BRIX.

Results obtained for Insect Damage is shown in Fig 1.

Farmed Conventionally
In one case, 11 different insecticides were applied over 16 insecticide spray events for control of insect pests. Insect related fruit damage at harvest was low for all farms indicating effective pest control.

Farmed with BOOSTER-Mag
Insect related fruit damage was consistently reduced within all three farms. In addition, the yield of ripe and unblemished fruit increased by an average of 6%.

Fig 1



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