Info
Note
Mar 19

Avocados
Foliar & Fertigation Trials

Introduction

Amino Boss™ was applied to Hass avocados over the fruit set and fill period to determine whether it could assist with fruit retention. The product was applied via foliar and fertigation application methods at Simpson's avocado farm in Queensland. An impressive total yield increase of 22% was achieved from application of Amino Boss as a foliar spray and 17% increase via fertigation. There were also improvements in the quality of the fruit harvested.

Trial Design for Foliar Application

Amino Boss was applied at a rate of 5.0LHa to Hass avocado trees at early fruit set (1-5mm), full fruit set (5-10mm), and fruit fill, when the fruit was both 20-40mm and again at 40-70mm. This resulted in application timings that were at monthly intervals. The Amino Boss treated trees were compared to two untreated control blocks. The treated area and control blocks were evaluated for % of Grade 1 fruit in each count size, total kg's packed (all grades) and total kg fruit harvested per hectare.

Results - Foliar Application

Figure 1 shows that there was little difference in the fruit sizing percentage splits from all of the blocks including the one treated with Amino Boss. Figure 2 shows that there was a 30% increase in number of kg's of Grade 1 fruit in the Amino Boss treated block. An impressive total yield increase of 22% was recorded for the Amino Boss treated block as shown in Figure 3.

Figure 1: % of grade 1 fruit in each count size

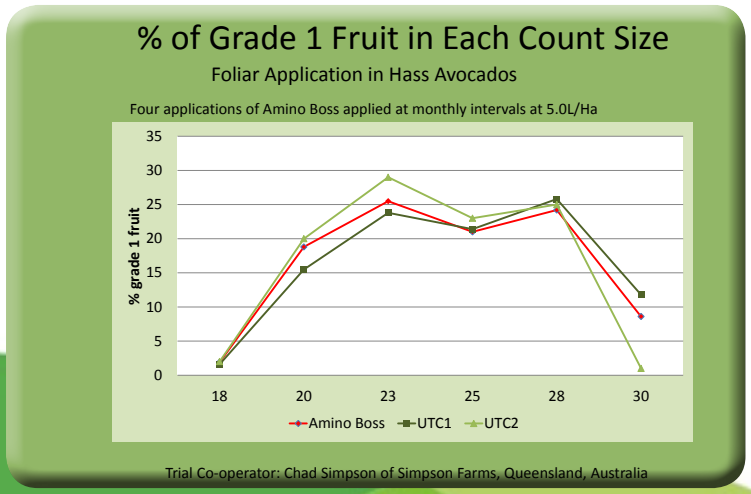


Figure 2: Total kg's packed (all grades)

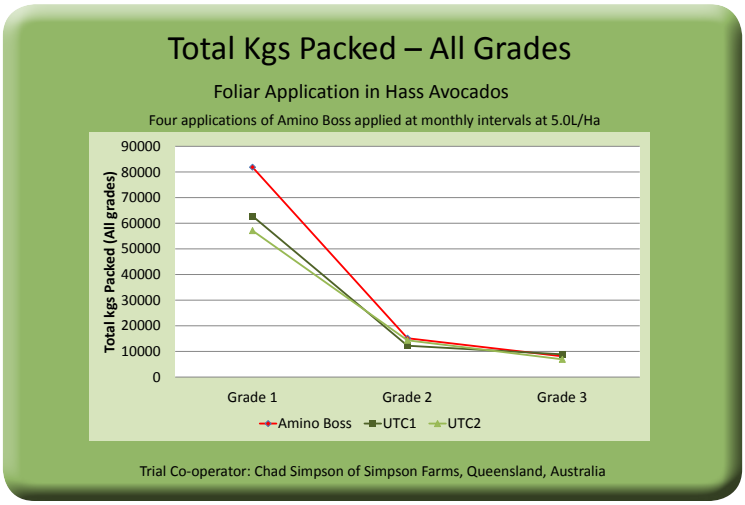
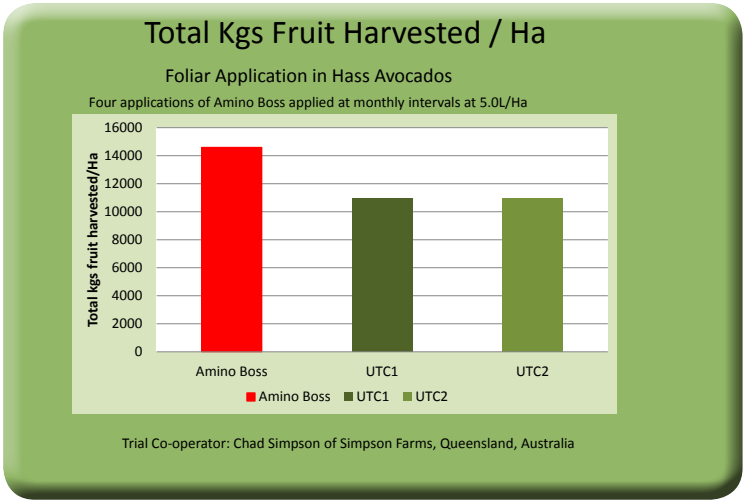


Figure 3: Total kg fruit harvested / Ha



For further information please call Sipcam or visit our website: sipcam.com.au
Phone: +61 3 5223 3746

SIPCAM

Info Note
Mar 19

Avocados Foliar & Fertigation Trials

Amino BOSS®
Power For Plants

Trial Design for Fertigation Application

Amino Boss was applied at a rate of 2.0LHa to Hass avocado trees at early fruit set (1-5mm), full fruit set (5-10mm), and fruit fill, when the fruit was 20-40mm and again at 40-70mm and 50-80mm. This resulted in application timings that were at monthly intervals. The Amino Boss treated trees were compared to two untreated control blocks. The treated area and control blocks were evaluated for % of Grade 1 fruit in each count size, total kg's packed (all grades) and total kg fruit harvested per hectare.

Results - Fertigation Application

Figures 4 and 5 show that there was an increase in the larger sized Grade 1 fruit and an overall higher volume of fruit packed in to the Grade 1 lines. In addition to this significant improvement in fruit quality, another impressive total yield increase of 17% was recorded for the Amino Boss fertigation treated block, as shown in Figure 6.

Figure 4: % of grade 1 fruit in each count size

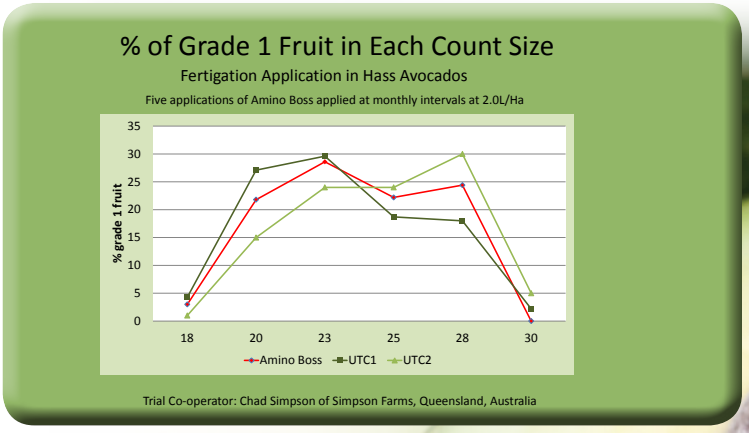


Figure 5: Total kg's packed (all grades)

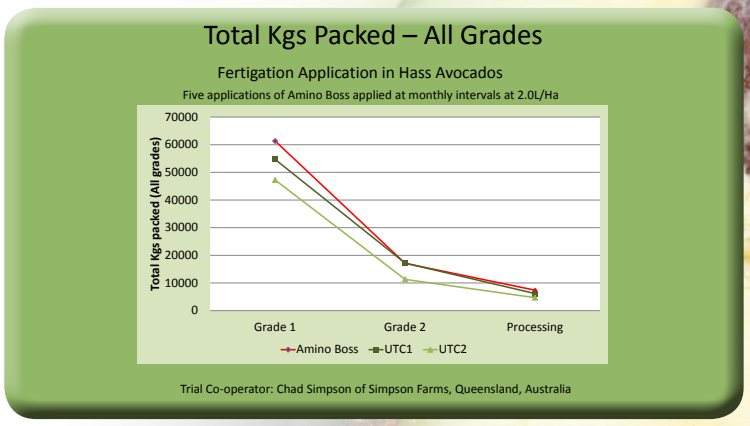
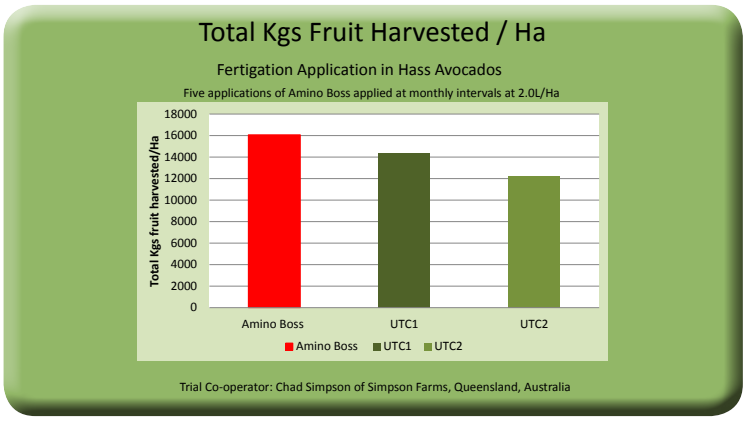


Figure 6: Total kg fruit harvested / Ha



Crop Safety

The foliage and fruit were assessed for any signs of phytotoxicity. No crop phytotoxicity on either the foliage or fruit was observed.

Always read the entire label prior to use.
® Amino Boss is a registered trademark of Sipcam Pacific Australia Pty Ltd
For further information please call Sipcam or visit our website: sipcam.com.au
Phone: +61 3 5223 3746

SIPCAM