



Fertigation Trials in PEAS & BEANS

Trial Design in Bean Trial # 2

Three fertigation applications of Photon at 20 g/ha occurred once the beans had germinated. Application occurred at approximately 21 day intervals. The Photon was applied in the last one hour of the irrigation cycle. In a 0.72 ha block comprising 24 rows of beans, twelve rows were fertigated with Photon; with the remaining 12 rows being untreated controls.

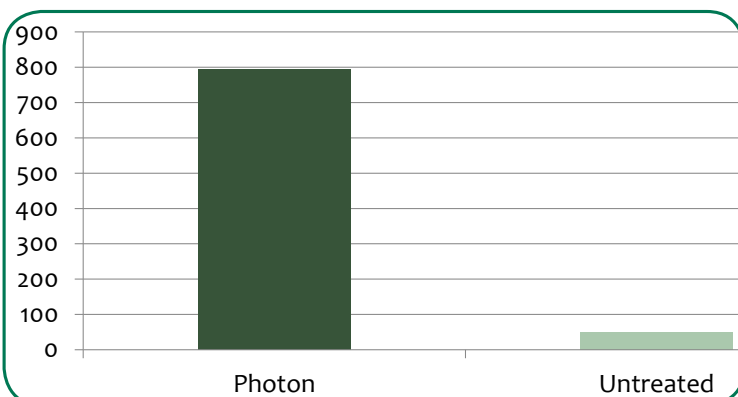
Results

Figure 3 below shows that the Photon treated area yielded 794 x 10 kg cartons per hectare whilst the untreated control area was not harvested. The beans in the untreated control area were severely stressed with high levels of flower abortion and poor quality beans. Four applications of Photon via fertigation provided a yield increase of 794 x 10 kg cartons per hectare.

Grower Comments

The bean plants in the Photon treated area showed very little stress with good bean colour and uniform coloured beans at harvest. Untreated beans were not able to be harvested. The plants showed severe stress with poor bean set and unthrifty plants following hot weather in January.

Figure 3: Effect of Photon fertigation application on cartons/ha



Photon Treated Beans



Untreated beans which were not harvestable



Photon treated LHS and untreated RHS (unmarketable)