

## Te Puke Orchard: Gold3 - 3<sup>rd</sup> September 2014.

Background: This orchard is in the colder Maketu area. The block is undulating and has overhead frost protection in place. Some males have been removed from the lower areas of the block due to infection in previous years and subsequent stump grafts had been unsuccessful. These were re-grafted in winter 2014 through grafting of suckers.

A high proportion of canes appeared to have been damaged when lowered from strings and positioned in the winter. Most winter cuts had no wound sealant applied- including large pruning cuts.

Observations: There were a high number of dehydrated canes and also leaders with significant dieback within the block, particularly in lower colder areas. Wood rots were beginning to invade tissue on numerous vines

Red exudate was seen on some scions close to the graft as well as on leaders and canes.



Figure 1: Gold3 cane with cracking and dehydration.



Figure 2: Gold3 with exudating scion canker.



**Figure 3: Gold3 female cane exudate**



**Figure 4: Gold3 canker with red exudate.**



**Figure 5: Gold3 with dehydration from cane end.**