

## **QPD UPDATE – 2019**

There was a general decline in relative growth among the treatments over the past year which was apparent in November-December. However, the rate of growth decline was most severe among the high inoculum trees. This resulted in expression of decline symptoms among two high inoculum treatment trees. Subsequently, these trees were extracted. Prior to harvesting all measurements were taken on the two trees except fine root because those trees were not selected for fine roots measurement at the onset of the study. After extraction, lateral roots were excavated, cores and wood discs were taken, all foliage removed for biomass, flush length and density were also taken. Below are the pictures of the extracted trees.



Fig 1: Thinning crown of high inoculum treatment tree (left) and bole with inoculation zone (right)





Fig 2: Crowns of two high inoculum trees (left), one exhibiting thinning crown and chlorosis (red arrowed) and their boles (right)





Fig 3: Excavation of lateral roots (left) and extraction of tree (right).





Fig 4: Crown of harvested tree showing chlorotic symptoms.





Fig 5: Extracted and debarked lower bole containing the inoculation zone (red arrowed) completely soaked with resins.