

Observation Report – Chieftan males in Te Puke Hayward orchard—30 September 2014

Location: Te Puke

Orchard Elevation: 16 metres above sea-level

Background

Males within this Hayward block were badly affected by Psa-V in spring 2012. At that time, multiple canes with die-back and exudate were removed. Few flowers remained for natural pollination. Subsequently canes grew back and moderate amounts of cane and flower were available for pollination in 2013. Following 2013 male pruning, one further trimming round was completed. However, regrowth continued and a high level of long upright regrowth canes remained through late autumn and winter 2014.

Spray programmes to date: For 2013-4 season, 10 coppers and one Actigard (October) were applied.

Observations: Males in lower areas of this block showed little or no budburst. High canes were dehydrated or had infected buds and there were multiple exudate points along leaders. As few as five to eight buds have broken on some vines (vine footprints are 8-10m). In worst affected areas, adjacent female vines also showed exudate. Where male growth remained compact more normal budburst was occurring. Supplemental pollination is likely to be needed.



Figure 1: Typical male structure - with significant high growth



Figure 2 : Male in lower colder area - no bud break has occurred



Figure 3: Compact growth with normal bud-break



Figure 4: Exudating male



Figure 5: Infected adjacent female

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