

## Hort16A Coromandel Orchard: 16 September 2014

### Background

This orchard was confirmed Psa-V positive in September 2013 with one vine removed at this time. Since then, one further vine has been removed. The September mandatory monitoring round reported very low levels of symptoms in both female and male vines.

High rainfall has been experienced on the site through late winter and early spring. Winter temperatures in this area went below 0°C degrees for an extended period of time on four occasions in late July 2014.

The protective spray programme for 2013-14 included nine coppers, two applications of foliar Actigard™ and two KeyStrepto™ applications. To date, males have been retained, with removal planned following 2014 pollination. All vines were notch-grafted to Gold3 in winter 2014. A post bud-break copper had been applied within the last three days and Actigard™ and KeyStrepto™ sprays are planned once rain clears.

### Observations:

Overall percentage of bud-break was strong across the block and shoots were highly floral. Vines around those previously cut out were monitored. Some dieback of cane tips on CK2 and CK3 males was seen within the block. Occasional cane and spur die-back, and canes with intermittent bud-break was seen on some female vines in rows adjacent cut vines. Red exudate was identified on the trunk of one male vine.



Figure 1: Two stumped vines within the Psa-V positive Hort16A block. Vines were notch-grafted to Gold3 in 2014.



Figure 2: Block floralness and % bud-break was strong



Figure 3: 2014 G3 grafts - beginning to break-bud.



Figure 4: Tip die-back was seen in some males within the block.



Figure 5: CK2 males with tip die-back and occasional canes which to date have not broken bud.



Figure 6 : Some female spurs had failed to break bud indicating possible infection.



Figure 7 : Monitoring had identified canes with sections that had failed to break bud.



Figure 8: Dehydrated female cane - with no bud-break – indicating likely infection.



Figure 9: Red exudate on male trunk