Date	June 2015
Region	Kerikeri
Variety	2013 grafted G3 on Bruno seedlings
Male/Female	Female Gold3
Identified by	Grower
Symptoms	Psa-V like cankers at the graft union. Swelling of the graft union was followed by bark and cambium splitting down to the xylem. When cut the xylem was red for a distance of around 10cm either side of the graft.
Comments	10 % of grafted plants (40 of 400) showed cankering around the graft. Three of the grafted plants had died after initially growing to the top of the string. These Bruno seedlings were planted in three blocks under a Hort16A canopy in 2012 and grafted to Gold3 in 2013. The orchard tested positive for Psa-V in September 2014. (Hort16A was removed following harvest 2015).
MPI lab ID	Interim report (7.7.2015) – MPI has confirmed no Psa was detected from the samples submitted. All Psa strains were tested for. Samples had included tissue from above, through and below the canker. MPI are further culturing the samples to determine possible cause of symptoms.

Date	October 2014
Region	Whangarei
Variety	H16A
Male/Female	CK3 male
Identified by	KVH – independent monitoring round
Symptoms	Red exudate mid-way down a cane with die-back
Comments	Other CK3 males scattered across the block and in adjacent blocks also showed die-back symptoms. The grower reported these symptoms were seen annually in the CK3 males.
MPI lab ID	**Bacteria:** *Pseudomonas fluorescens; Erwinia billingiae(Enterobacteriaceae); Pseudomonas sp (Pseudomonadales:Pseudomonadaceae); Xanthomonas campestris (Xanthomonadaceae); Pseudomonas constantinii (Pseudomonadales:Pseudomonadaceae)* These are either environmental or endophytic bacteria **Fungi:** *Fusarium lateritium (Anamorphic (Hyphomycetes); Fusarium avenaceum (Anamorphic (Hyphomycetes); Diaporthe sp (Ascomycete)* It is likely these fungal infections arose from mechanical damage of the cane.

Date	October 2014
Region	Kumeu
Variety	Hayward
Male/Female	Female
Identified by	KVH monitoring round
Symptoms	Buds with red exudate at the end of canes
Comments	Fourteen vines across three blocks showed these symptoms.
MPI lab ID	Epiphytic bacteria identified: • *Pseudomonas sp (Psesdomonadales: Pseudomonadaceae)* • *Erwinia billingiae (Enterobacteriaceae)* Opportunistic fungi pathogens: • *Botryosphaeria stevensii (Ascomycetes)* • *Phoma pomorum (Anamorphic coelomycetse)* • *Diaporthe viticola (Ascomyctes)* • *Pestalotiopsis sp. (Anamorphic Coelmycetes)*

Date	October 2014
Region	Te Puke
Variety	Arguta
Male/Female	Female
Identified by	Grower
Symptoms	Multiple cankers with exudate. Leaf wilt was followed by vine collapse.
Comments	A dozen Takaka Green plants were affected.
MPI lab ID	*Phaeoacremonium occidentale* – a fungus causing wood decay (swollen trunk disease). It was thought the fungus was likely to have entered through pruning cuts.

Date	October 2014
Region	Waunganui
Variety	Hayward
Male/Female	Chieftan male
Identified by	KVH - grower visit
Symptoms	Red exudate at cane joints and buds
Comments	A single vine on an outside row showed symptoms. This vine had a number of canes that failed to break bud. A second vine with similar symptoms was found in the same orchard in November 2014.
MPI lab ID	*Phomopsis sp.*

Date	October 2013
Region	Whangarei
Variety	Gold9
Male/Female	Female
Identified by	Grower
Symptoms	Wilting and canopy collapse on one half of a (mature) vine. Red ooze on leaders and canes. Cracking of bark round cane sockets.
Comments	One vine only showed symptoms. This vine was removed.
MPI lab ID	Confirmed no presence of any Psa strain. Negative for cherry leaf roll virus. No phytopathogenic bacteria were isolated.
Landcare Lab ID	• *Pseudomonas rhizospaerae* • *Erwinia billingiae*