

## Reporting the unusual – a record of unusual pest and symptom information recorded by KVH



What was found?	Are images available?	Where?	When?	Who reported it?	What kiwifruit variety?	What were the symptoms?	What was the outcome?	Is there more detail available?
Replacement plants collapsed, or with white and red exudate from buds	Yes, <a href="#">view here</a>	Tauranga	05/05/2020	Orchard technical manager	Gold3	White and red exudate in Gold3 buds directly above the graft	Psa positive result confirmed for all canes. A recent cold snap had likely triggered symptom expression. Decision to re-graft in winter, monitor progress and replant if necessary	Yes, <a href="#">view here</a>
Damage (girdling) to Bruno rootstock	Yes, <a href="#">view here</a>	Tauranga	06/04/2020	Technical advisor	Bruno rootstock	Girdled trunks	During investigation it was noted bark mulch had been applied, sometimes hard up against young plants. No evidence of collar-rot infection	Yes, <a href="#">view here</a>
A cluster of mushrooms on a Bruno stump	Yes, <a href="#">view here</a>	Paengaroa	26/05/2019	Orchard manager	Bruno stump, Hayward block	Cluster of mushrooms on vine trunk	Samples taken and analysed. Identified as the mushroom stage of <i>armillaria novae-zelandiae</i>	Yes, <a href="#">view here</a>
Cupped leaves on Gold3 vines	Yes, <a href="#">view here</a>	Gisborne	12/10/2017	Grower	Gold3	Cupped leaves on scattered vines across two orchards	Samples taken and likely herbicide damage	Yes, <a href="#">view here</a>
Weeping buds on Bruno seedlings	Yes, <a href="#">view here</a>	Opotiki	15/08/2017	Nursery manager	Bruno seedlings	Weeping buds with large orange growths	Samples taken and analysed. Two fungi were identified not	Yes, <a href="#">view here</a>

							new to kiwifruit	
Growth on sepals	Yes, <a href="#">view here</a>	Te Puke	07/06/2017	Packhouse	Hayward	Small umbrella-like growth on fruit sepals	After assessment by Plant & Food Research experts, identified as liverwort and no harm to kiwifruit	Yes, <a href="#">view here</a>
Wilting M33 vines	Yes, <a href="#">view here</a>	Hawkes Bay	08/05/2017	Grower	M33 male	Wilt and leaf discoloration	Samples taken and Psa confirmed. Vines were cut out. Symptomatic plants were also found to have fungal growth	Yes, <a href="#">view here</a>
White fleshed Gold3	Yes, <a href="#">view here</a>	Katikati	03/04/2017	Packhouse client manager	Gold3	White fleshed fruit. Mushroom fruiting bodies also found on plant trunk	After assessment by scientists, the mushrooms were identified as not a plant pathogen and fruit colouring was nutrient related	Yes, <a href="#">view here</a>
Psa-like symptoms on Gold3	Yes, <a href="#">view here</a>	Motueka	08/11/2016	Grower	Gold3	Leader with no bud-break, leaf spotting, and orange ooze	Leaf and cane samples were tested and Psa was not detected. Further analysis undertaken and Pfm cause of leaf spotting	Yes, <a href="#">view here</a>
Psa-like cankers and exudate	Yes, <a href="#">view here</a>	Te Puke	29/10/2014	Grower	Arguta	Cankers, exudate, and wilted leaves	Samples tested and Psa was not detected. A fungus called swollen trunk disease was found after further testing	Yes, <a href="#">view here</a>
Failed bud-break and red exudate	Yes, <a href="#">view here</a>	Wanganui	20/10/2014	KVH staff and grower	Hayward	Male vine failed to break bud. Exudate from joints and buds	Samples tested and fungus identified. No further symptoms on orchard	Yes, <a href="#">view here</a>
Psa-like exudate	Yes, <a href="#">view here</a>	North-West Auckland	14/10/2014	KVH staff	Hayward	Buds oozing red exudate	Samples tested and Psa not detected. After further analysis,	Yes, <a href="#">view here</a>

							experts considered symptoms were caused by fungi infecting plants through wounds caused by cicadas	
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