

H16A Case Study Te Puke 2011-2012



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Background to Case Study

- Followed 57 H16A KPINs through time. Psa-V positive by June 2011.
- 6 of those orchards got to harvest 2012
- On average production was reduced to 31% of 2011 levels. Only one orchard had production of 60% of 2011 levels.
- Results used to inform growers in other regions about Psa-V management and making decisions about timing of cut out in the 2013 season
- Report available next week in the case studies section on the KVH website



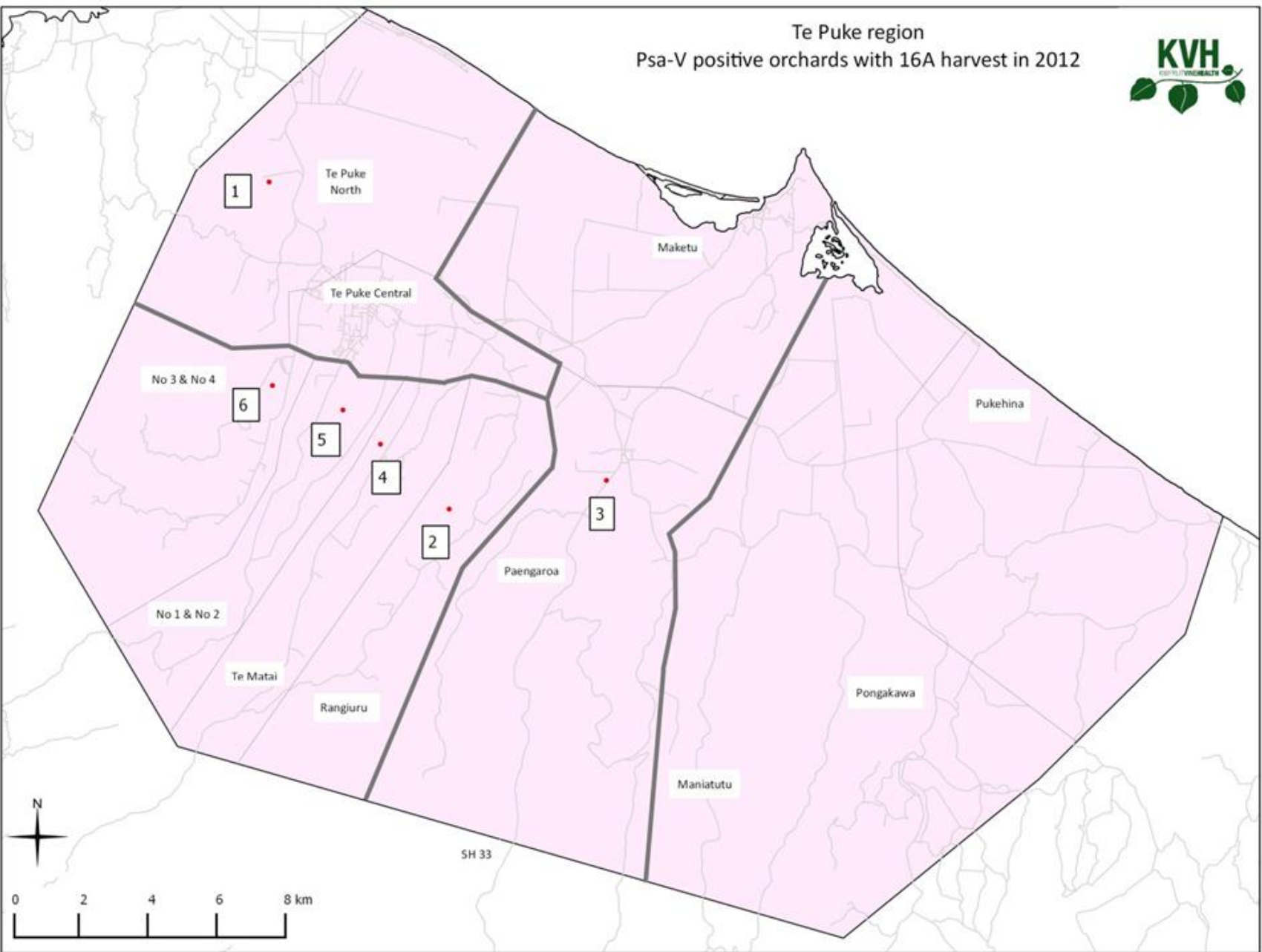
Case Study Interviews

- 5 of the 6 growers were interviewed to get their insights into the key management practices that enabled them to get to harvest
- All 6 orchards cut out after 2012 harvest and have grafted to new varieties

Interview Questions

- Infection progression through the season
- Management since Psa-V i.e. pruning, ♂ management, spray programme
- Hygiene programme on orchard
- Vine removal and disposal
- Confidence in getting to harvest
- Key support, financial services, planning etc.
- Key factors in getting to harvest
- Messages for growers in regions outside Te Puke
- New varieties – future outlook

Te Puke region
Psa-V positive orchards with 16A harvest in 2012



1

Te Puke North

Maketu

Te Puke Central

Pukehina

No 3 & No 4

6

5

4

3

2

Paengaroa

No 1 & No 2

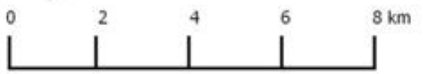
Te Matai

Pongakawa

Rangjuru

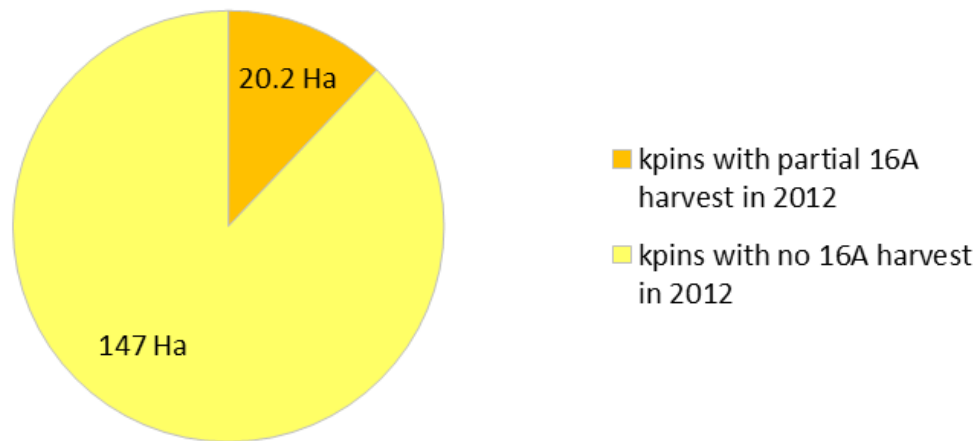
Maniatutu

SH 33

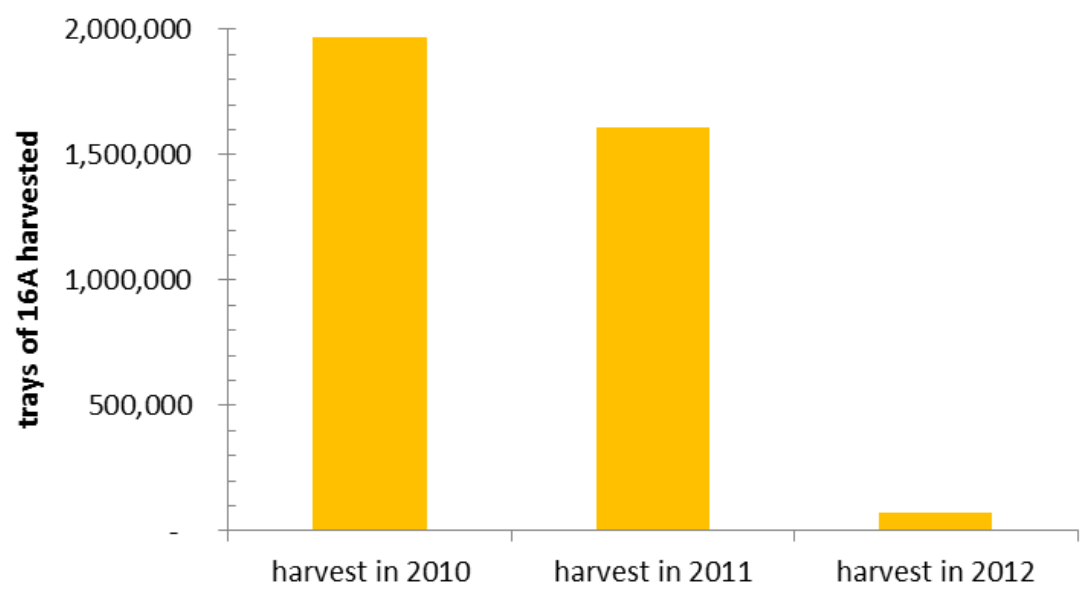




Total hectares of 57 KPINS which were Psa-V positive by June 2011. Those that cut and those that made harvest in 2012

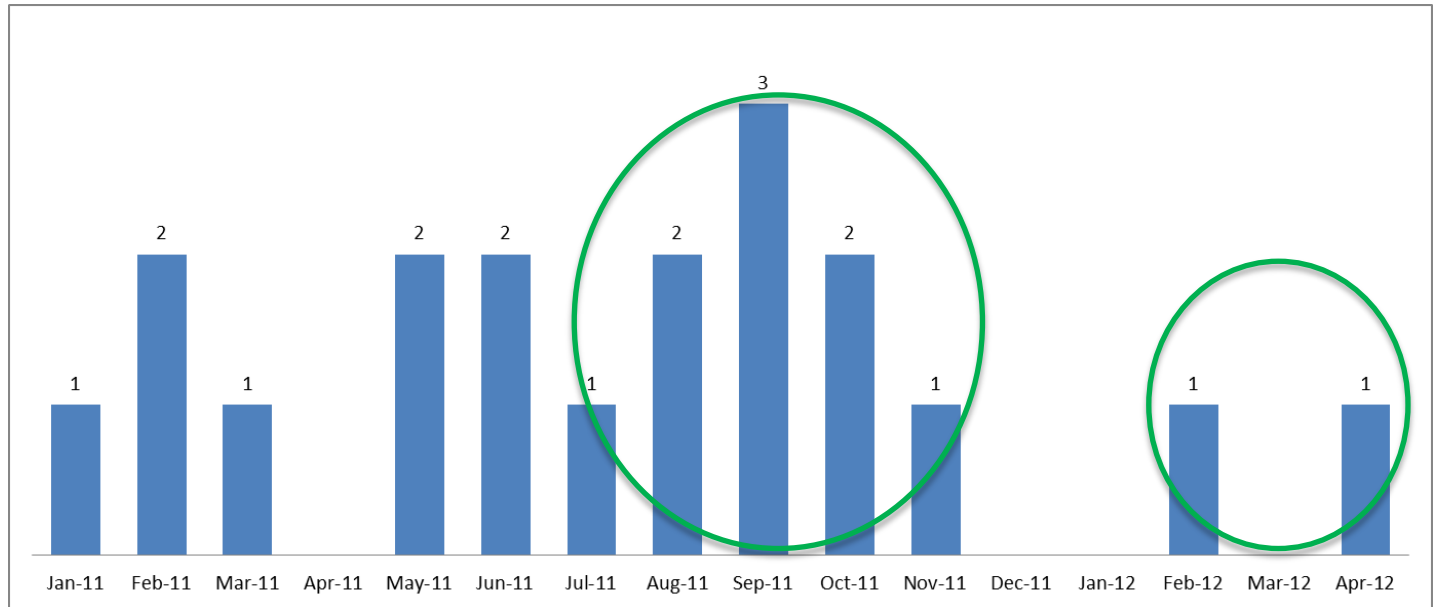


Trays of 16A harvested by 57 kpins with Psa-V by June 2011





Timeline of Orchard Cut Out subset of 19 KPINS out of 51



Winter Prune

Pollination

Summer Prune

Commonalities Between Orchards Practice

- Vine to vine hygiene (tools disinfected)
- Monitoring early and through whole season
- Continuous removal of infected material
- Cut out high risk blocks early – young vines
- Maintaining spray programme – use of copper
- Internal staff

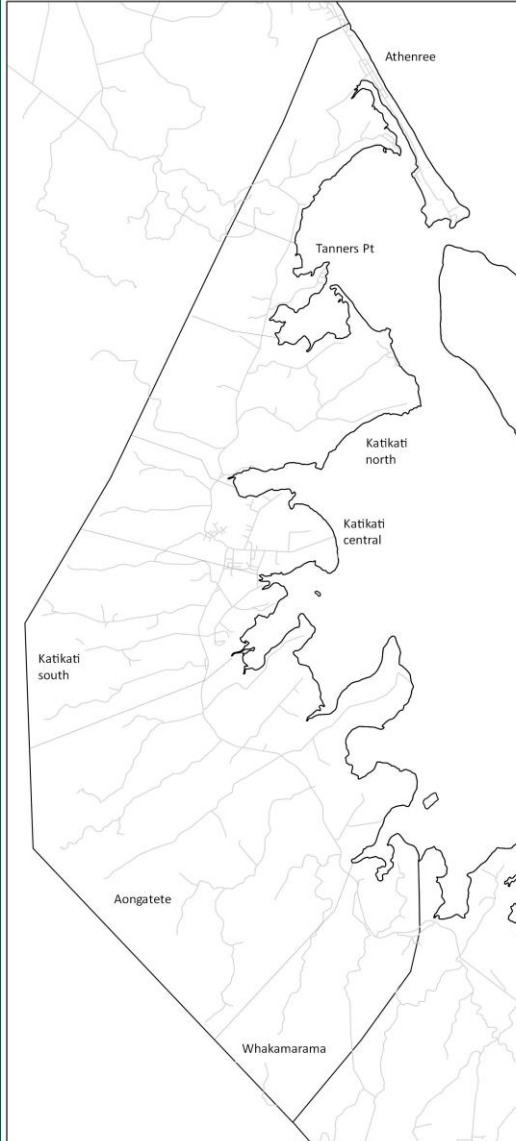
Commonalities - Physical & Environmental factors

- Smaller blocks within each orchard
- Isolated blocks
- Good shelter belts without gaps
- Orchard Aspect
- Altitude – all below 110m
- Wind damage
- Cicada damage on higher altitude orchards

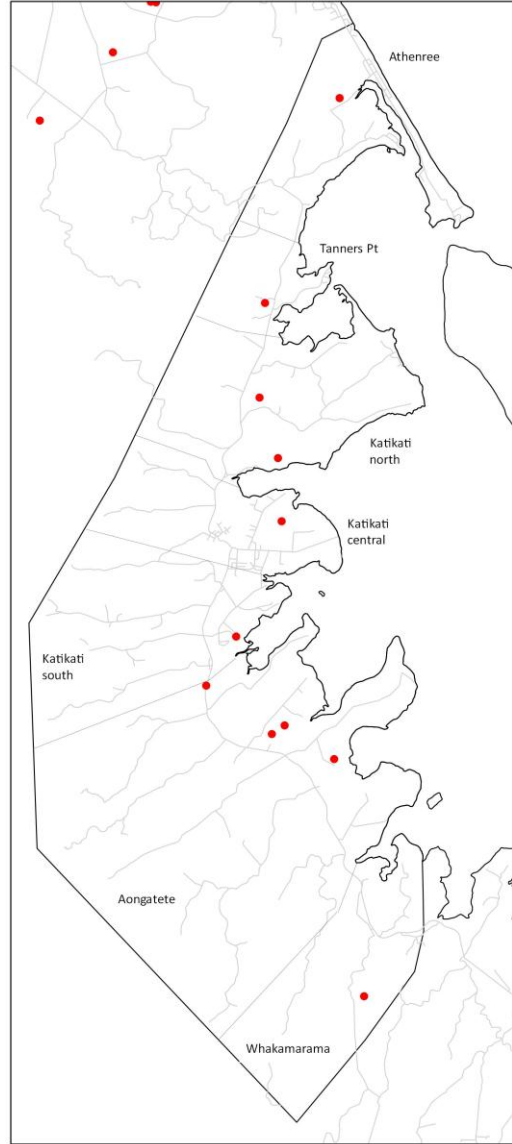
Psa-V Progression all varieties - Katikati

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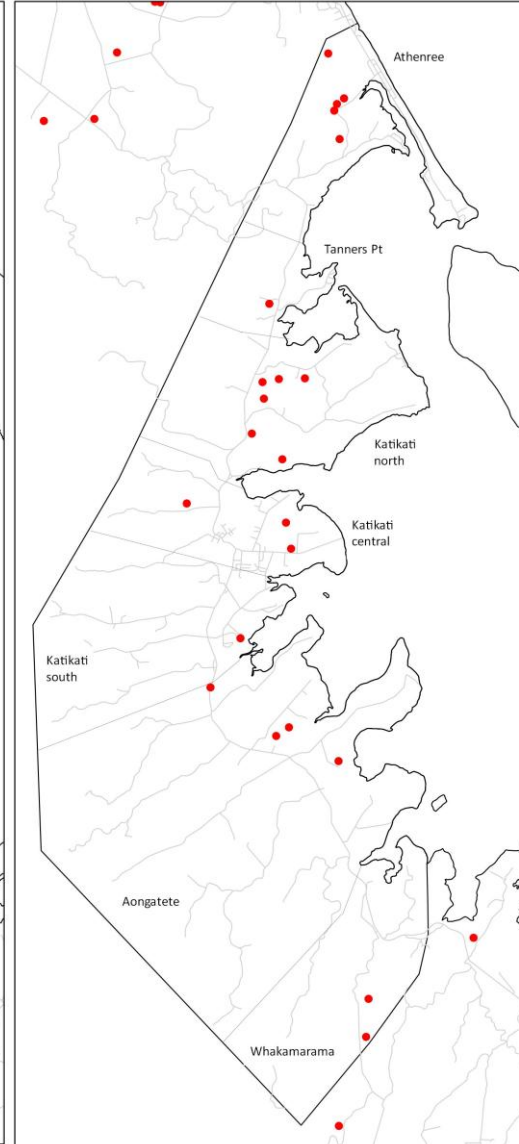
July 2011

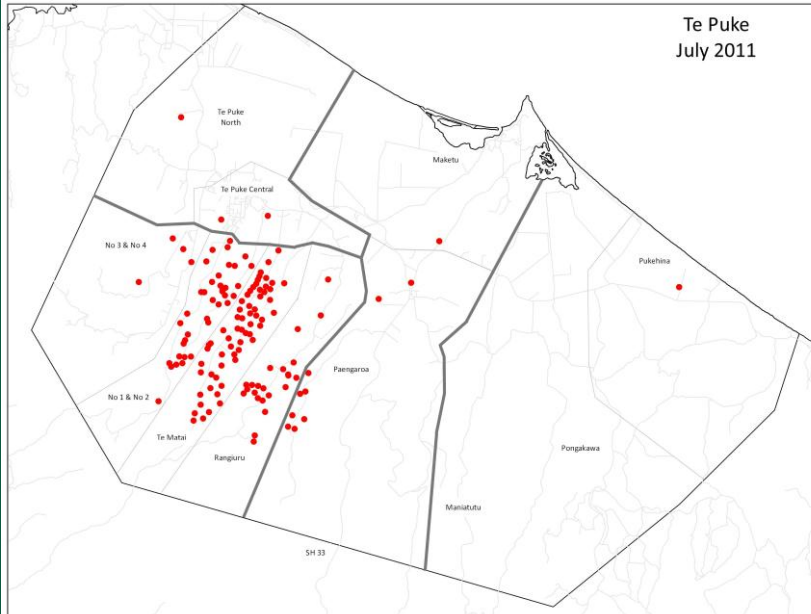


January 2012



July 2012





Psa-V Progression all varieties - Te Puke

