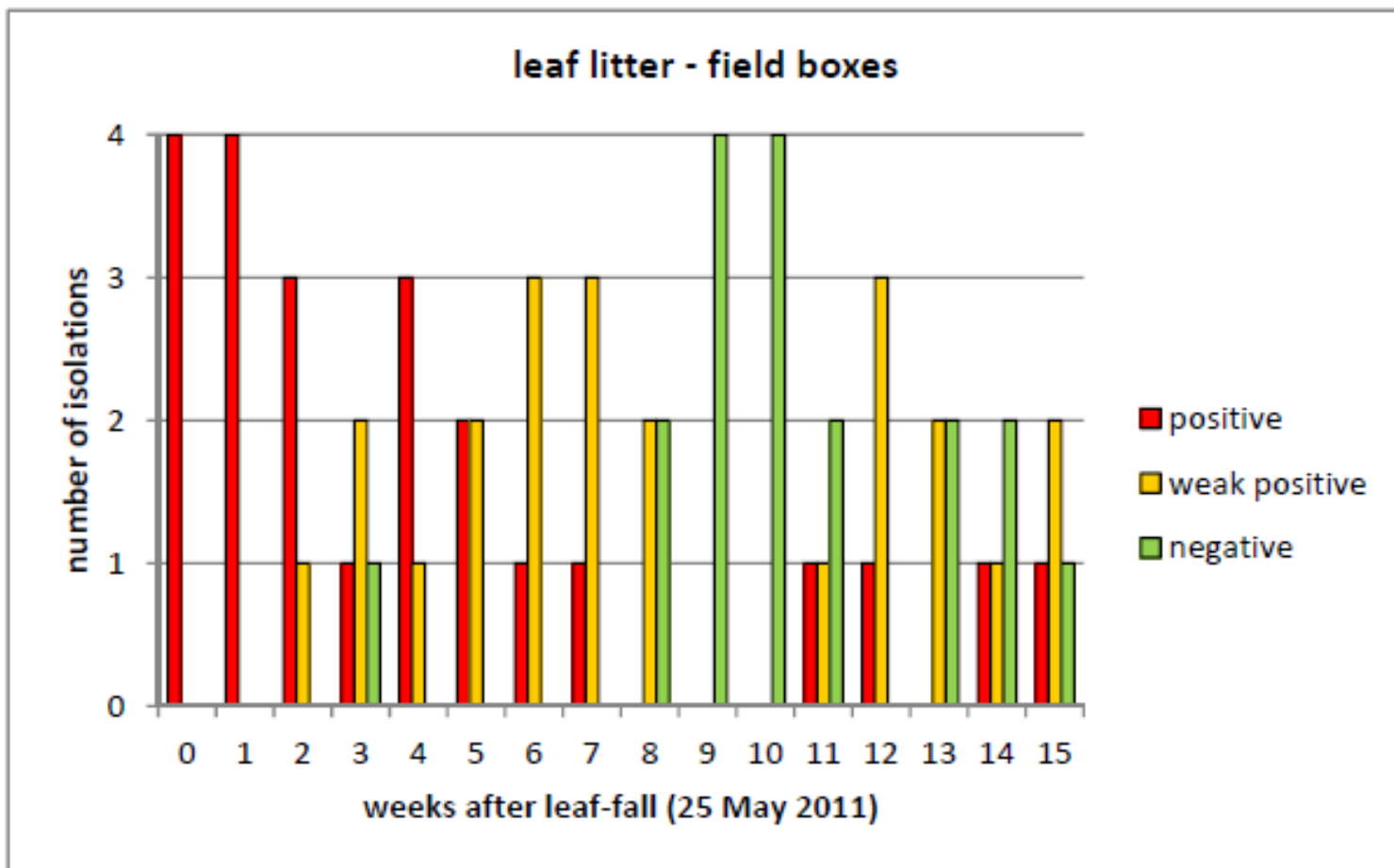


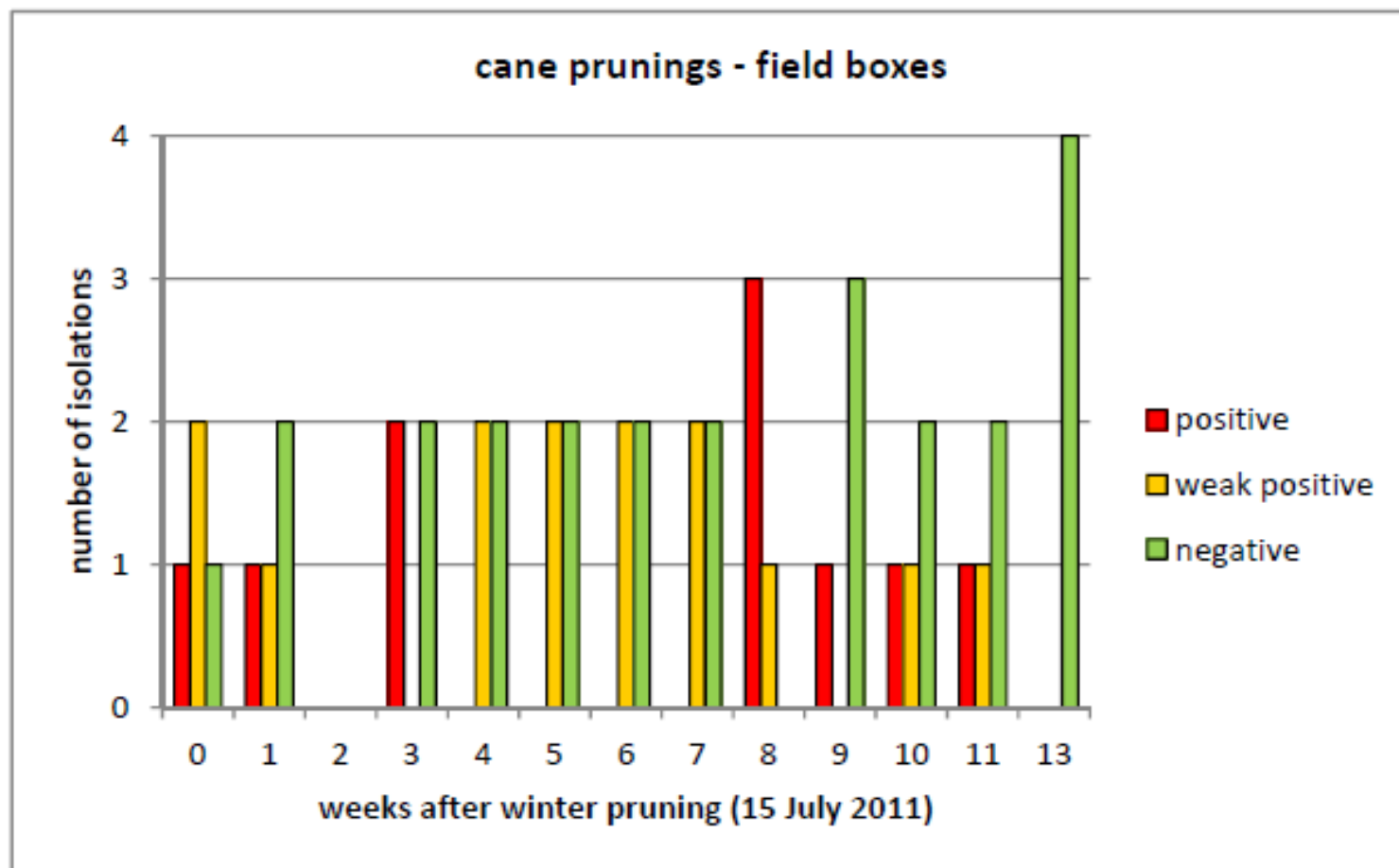
Does compost produced in the BOP pose a
Psa-V inoculum risk?

- Greg Clark (ZESPRI)
- Joel Vanneste (P&FR)

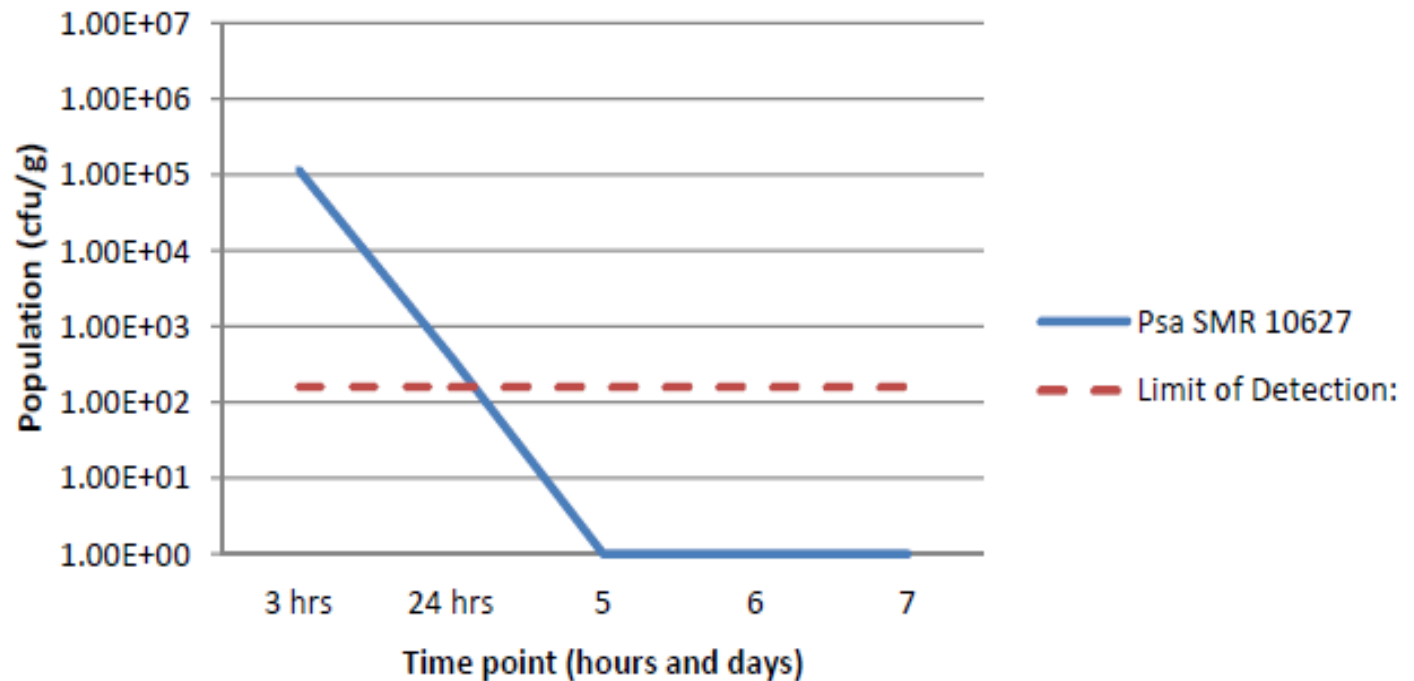
KF Leaf litter



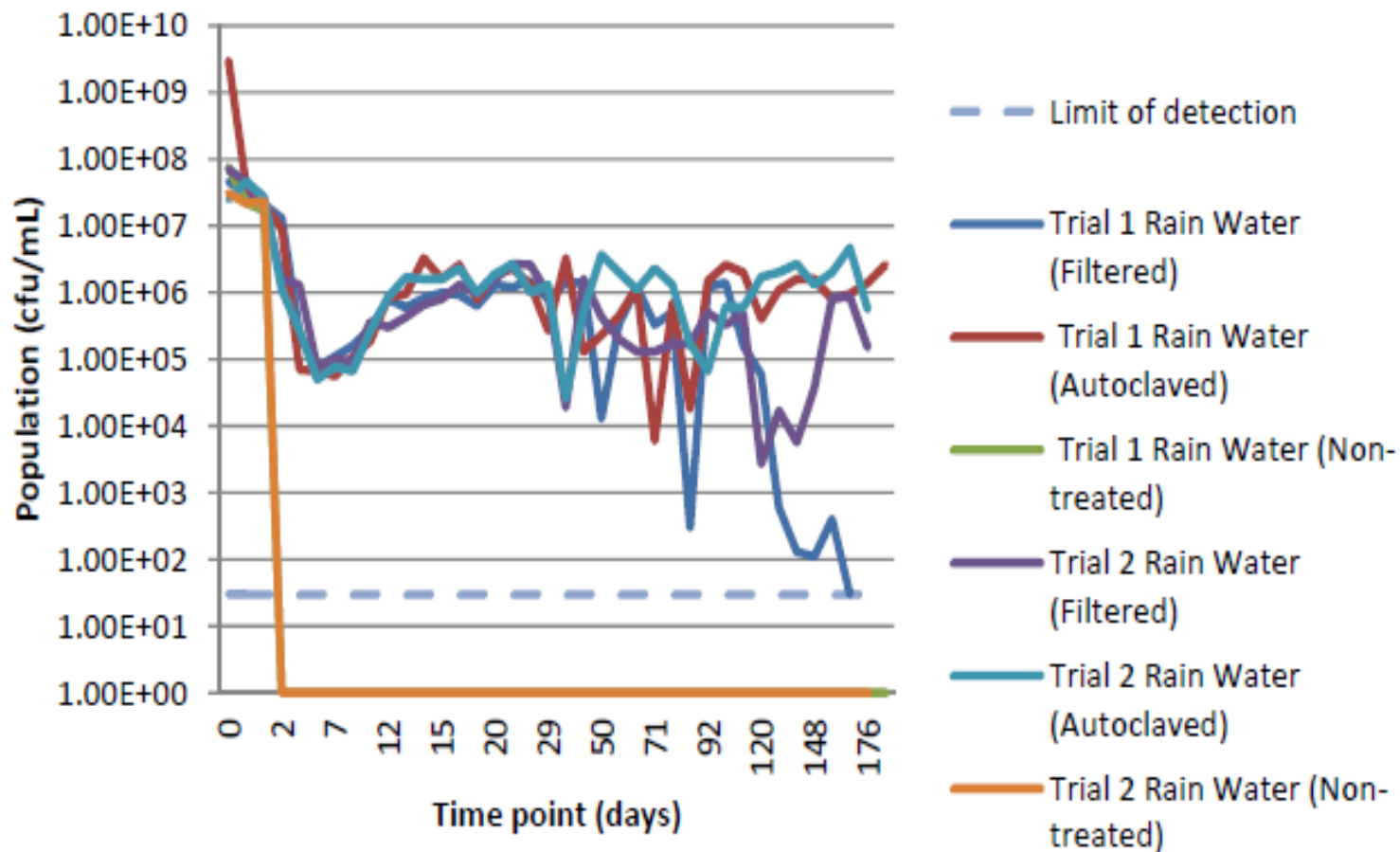
Cane prunings



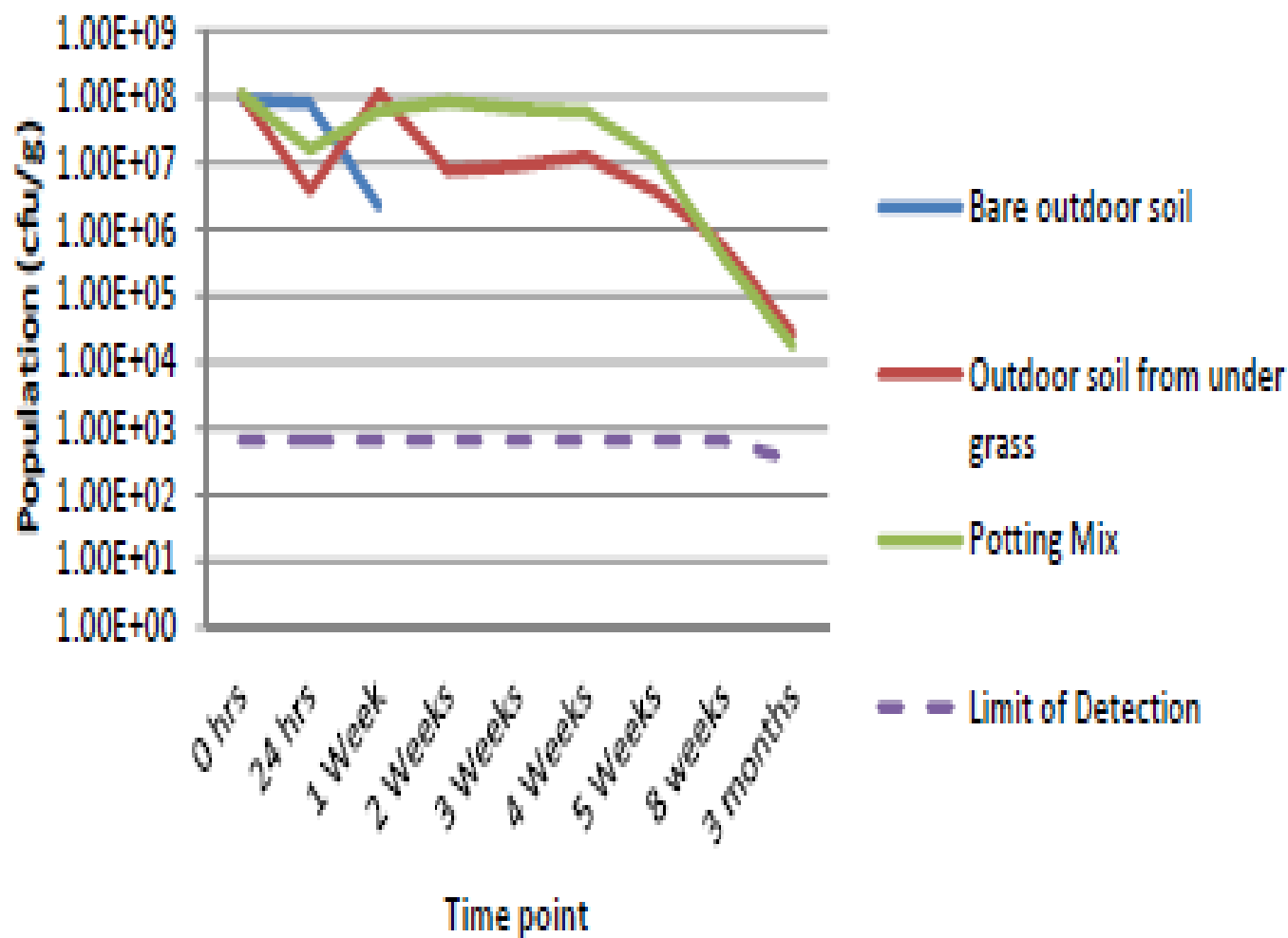
Poor survival off host vegetation



Psa-V does not survive well in rain water unless.....



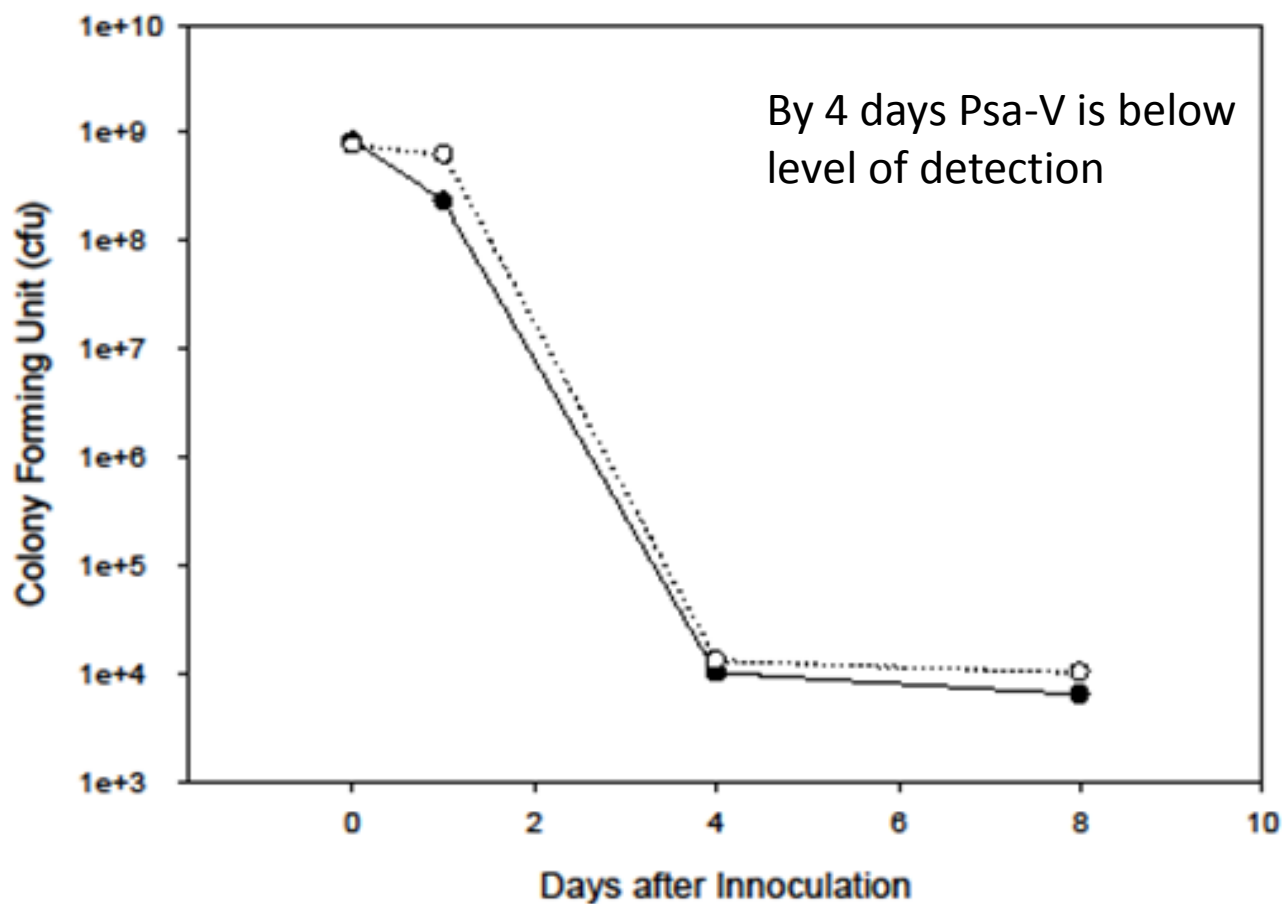
Soil, potting mix



Compost inoculation trial

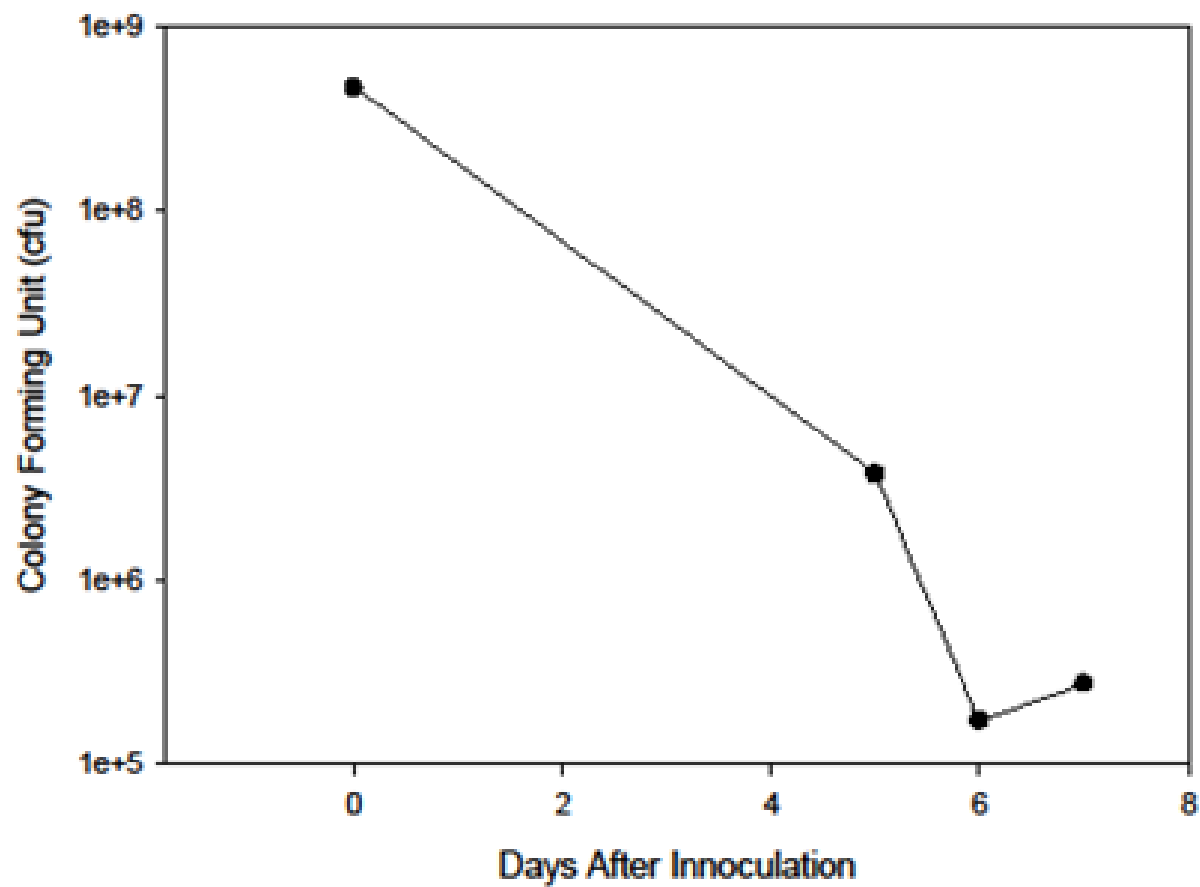
- Green waste (non-kiwifruit material) compost
- inoculated with a streptomycin/rifampicin-resistant strain of Psa-V
- survival was monitored

Psa Survival in Compost, November 2011



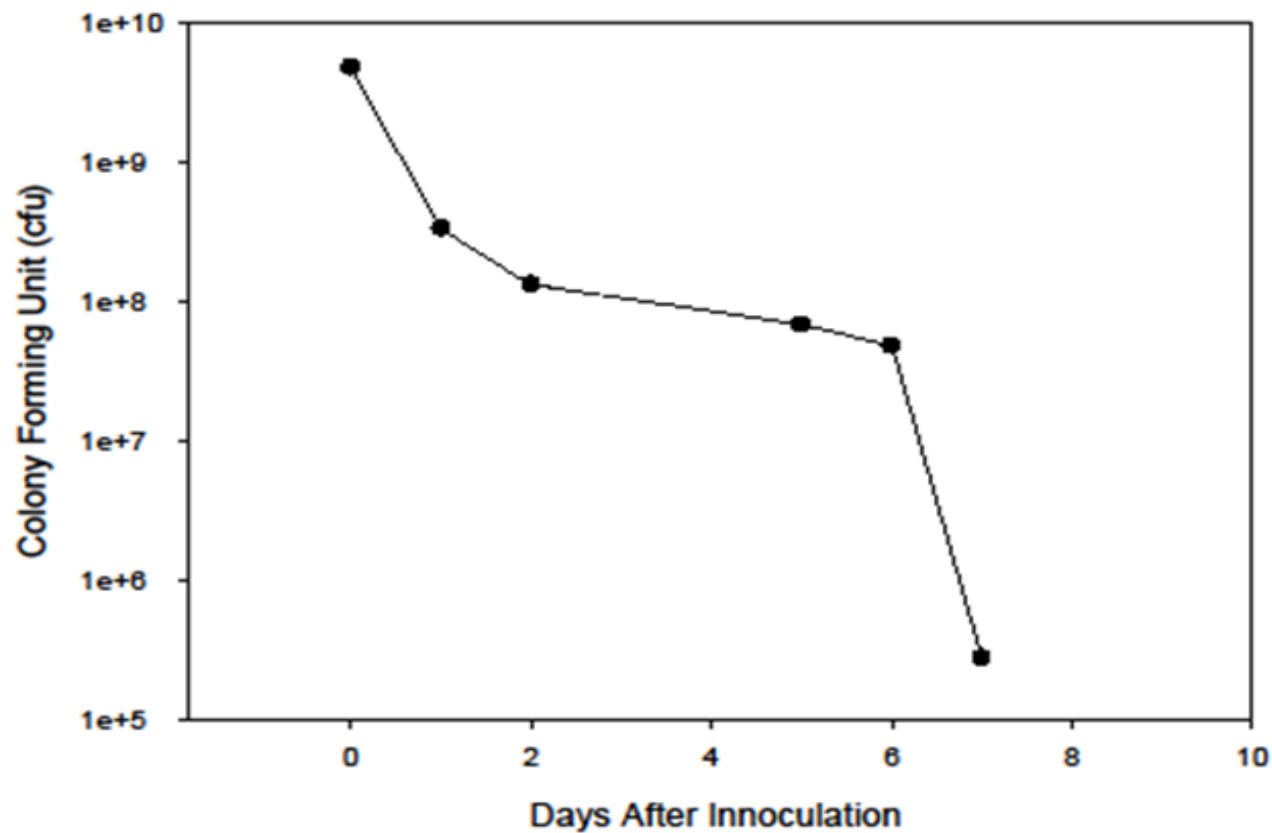
J.L. Vanneste J.M. Oldham 2012

Psa Survival in Compost, March 2012



J.L. Vanneste J.M. Oldham 2012

Psa Survival in Compost, May 2012



J.L. Vanneste J.M. Oldham 2012



Take home messages

- Kiwifruit free compost does not appear to be an inoculum source for Psa-V
- Compost appears to suppress Psa-V growth
- Projects are currently underway to:
 - Determine if compost can inhibit Psa-V growth in mulched KF material in the orchard
 - Identify the anti Psa-V components of compost
 - understand the role of KF vine nutrition and it's impact on vine health and fitness against Psa-V
 - understand KF vine metabolism and how vine management practices change a vines metabolism to strengthen/ weaken it against Psa-V





Acknowledgements

P&FR

MA Manning, JL Tyson,
JL Vanneste

