

Suppression of *Armillaria* in Apricot replants with the biostimulant Mycorrcin and Terracin

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Key words

Apricot, *Armillaria*, Mycorrcin, Terracin replant

Overview

- A block of mature apricot trees in Central Otago has a history of *Armillaria* in isolated patches.
- Infected trees are cut out and replanted.
- Trees replanted 2 years ago are showing signs of *Armillaria* with stunted extension growth and early senescence.
- Nine months ago after pruning the trees were treated with a solution of 4lt Digester + 10lt Mycorrcin in 100lt water. This was sprayed around the base of the tree.
- From this winter trees showing signs of *Armillaria* will be treated with a solution of 10lt Terracin and 200lt water, sprayed around the base and 300mm up the trunk. In the early spring these trees will be sprayed again with a solution of 10lt Mycorrcin and 200lt water.



The 5 replants in this row are showing signs of recovery after being treated with Mycorrcin



Last year these trees were showing signs of *Armillaria* with little extension growth and early leaf drop. Nine months after application the trees have shown good extension and leaf growth and are not showing any signs of early senescence, a symptom of lacking energy



This tree grew for 2 years after planting and then was hit by *Armillaria*. It was pruned but nothing grew. It was treated and new growth has come from just above the graft. The treatment has also resulted in an increase in clover growth in the orchard.



The older trees in the background are all showing signs of senescence. The younger trees in the foreground have regained their vigour.



The tree on the right is dead. The tree on the left we're trying to save with an application early winter of a solution of 10lt Terracin and 200lt water. This was sprayed around the base of the tree and 300mm up the trunk. In the early spring a solution of 10lt Mycorrcin and 200lt water will be sprayed around the base of the tree



In order to stop the spread of the *Armillaria* the Terracin/Mycorrcin combination will be repeated on trees to the right of this dead tree.