

**Why the trellis needs to be installed by end of Yr 1**



The yellow ring shows where the shoot was damaged as the wind bent it over the top edge of the guard.

This injury occurred in the second season.



The injury to the shoot has broken through the protective cambium layer, resulting in death of the vascular tissue inside the trunk.

Vine performance is dramatically affected, as this dead tissue significantly reduces the capacity for transport of moisture and nutrients up into the vine.



The trunk must therefore be cut back down, until no dead tissue is visible.

The vine will need to be re-established, by using a water shoot to create a new trunk.



### Why Machined Vine Planting Must Be Done With Great Care And Skill



Classic 'J' Rooting. This vine has failed to establish, as a result of:

- Roots not being trimmed to length
- Planting machine being driven too fast
- Workers not taking time to set depth of plants when placing in the planting machine
- Workers not taking time to check the depth of plants in the ground, once planted
- Vines therefore planted too low, with the long roots trailing on along the bottom of the cavity created by the machine. Almost no extra root growth produced in three years.
- Adventitious roots have been produced further up the rootstock stem – as a reaction by the vine to the decline of the main root system.
- This could have been avoided by root trimming and control of planting depth.