

Aerobic Biological Extract for Suppression of Walnut Blight in 2008/09

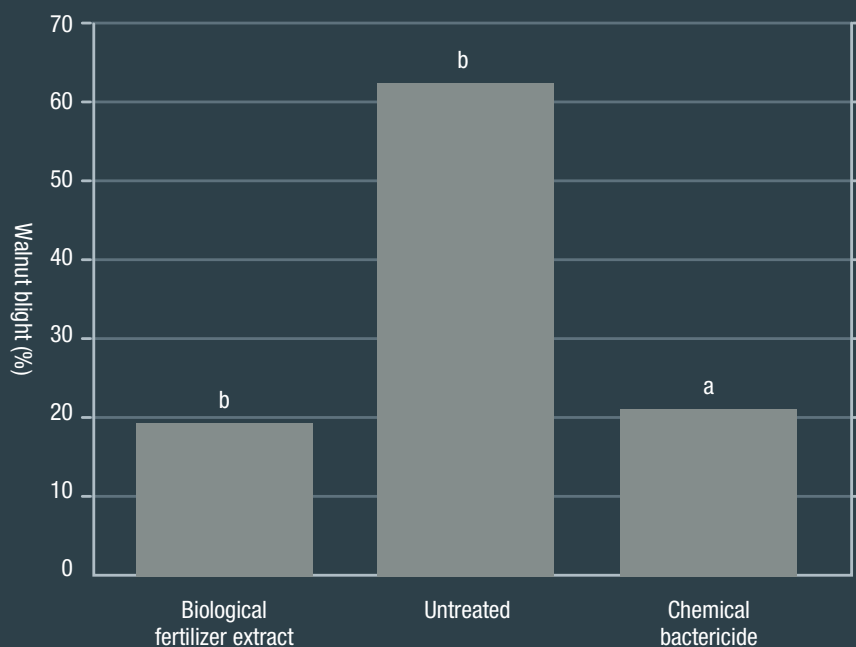
Small randomised complete block experiment at Rosevale, Northern Tasmania.

Aerobic biological extract and the standard chemical bactericide were applied eight times during the season, generally one day prior to rainfall and until runoff using a hand sprayer. Application of aerobic biological extract led to a 70% reduction in walnut blight at harvest.

Aerobic biological extract also provided:

- ✓ Soluble nutrients
- ✓ Beneficial microorganisms

Severity of walnut blight on Chandler trees at Rosevale orchard at harvest (Isd = 18.7¹)



Parameter	Aerobic biological fertilizer extract
pH (1:5)	7.39
Conductivity (dS/m)	0.74
Turbidity (ntu)	84
Total alkalinity	125
Water hardness (mg/L)	26
Nitrate (mg/L)	11.9
Calcium (mg/L)	5.30
Magnesium (mg/L)	3.10
Orthophosphate (mg/L)	22.5
Sulphate (mg/L)	40.6

¹Data analyzed using General ANOVA in Genstat for Windows 13th Edition.



Biological Fertilizer

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