



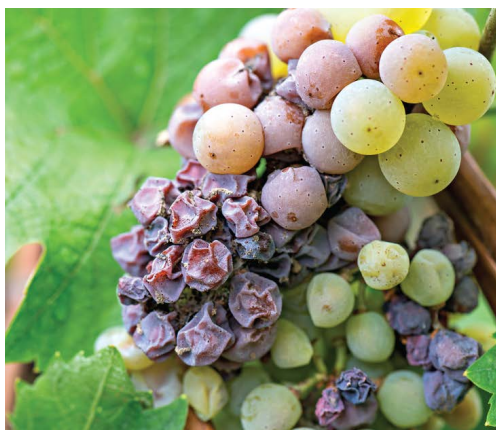
# *Eco-77*<sup>®</sup> (L7495)

Reg. No. L7495, Act No. 36 of 1947

**Biomangement**



**Andermatt**  
Madumbi



## **Eco-77® (L7495)**

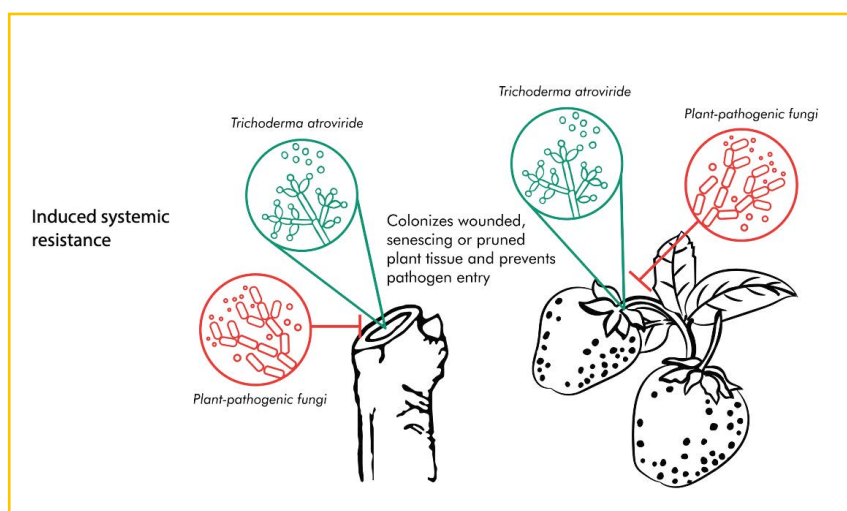
Reg. No. L7495, Act No. 36 of 1947

A biofungicide for the protection of pruning wounds on grape vines against *Eutypa* and for the suppression on *Botrytis* on crops as specified.

### Why use *Eco-77*®?

Features	Benefits
A strain of <i>Trichoderma</i> specifically isolated from above ground plant parts in South Africa.	Well adapted to local above ground conditions and can survive and grow in these environments
Isolated from commercial vineyards	With the original isolate coming from commercial vineyards, which had been treated with conventional chemical spray programs, the isolate in <i>Eco-77</i> ® shows some surprising compatibilities with chemical inputs e.g. elemental sulfur (a further list of compatible chemical actives is available through your local representative)
Grows and colonizes surfaces of wounds	Provides long term preventative control on wound surfaces. In grape pruning wounds <i>Eco-77</i> ® could still be isolated a year after application.
High spore concentration, spore viability and formulation stability	Good efficacy and consistent performance of the product when applied correctly.

### Mode of Action:



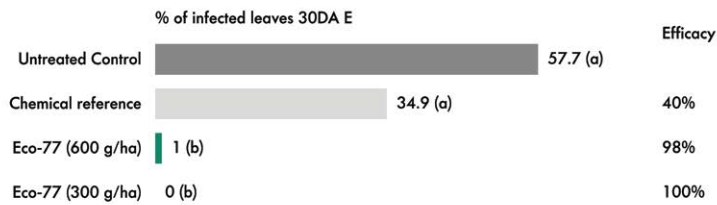
*Eco-77*® contains a wettable powder formulation of the fungus *Trichoderma atroviride* strain 77B, isolated from grapes in the Western Cape. The strain is well adapted to local South African conditions and is very persistent.

*Eco-77*® offers a low cost, preventative control option for wound and pruning disease control.



## Trial data:

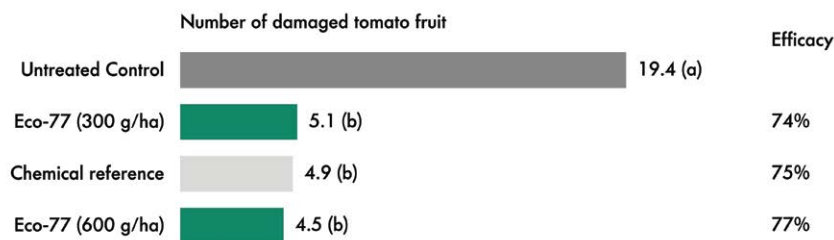
### *Sclerotinia* on tomatoes (Canada, 2017)



*Sclerotinia* progressed rapidly in this trial in the control and it was a stark contrast to the Eco-77 treated plots. This result was very surprising for FarmForest as we have never seen a biological as effective in controlling these diseases in the greenhouse. Indeed, while most biologicals are seen to suppress fungal diseases this product actually controlled them at least in this trial.  
(Comment by Trialist at FarmForest in Canada)

Trial conducted by FarmForest Research Inc, Canada, 2017

### *Botrytis cinerea* on tomatoes (Canada, 2017)



Trial conducted by FarmForest Research Inc, Canada, 2017

### *Botrytis* severity (%) on grape bunches



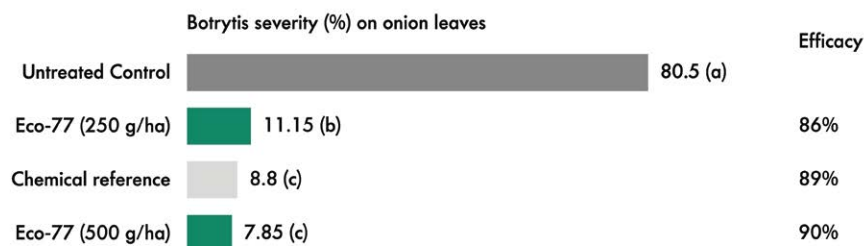
Eco-77 treated grapes *Botrytis* infection was minimal.



Standard chemical treatment. *Botrytis* infected grapes can be clearly seen.

Trial conducted by Agricultural Science Consultants, South Africa, 2014

### *Botrytis* severity (%) on onion leaves



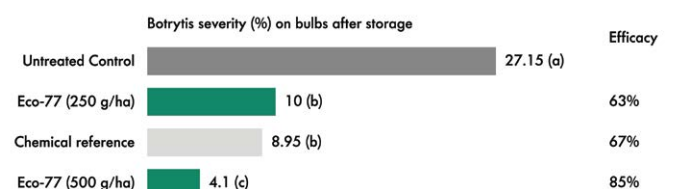
Trial conducted by Agricultural Research Consultants, South Africa, 2017

### Number of unmarketable bunches (Onion)



Trial conducted by Crop Protection Research Partners, Hungary, 2020

### Effect of treatment on *Botrytis* severity



Trial conducted by Agricultural Science Consultants, South Africa, 2017

