



Snoei Pruning

Agro-Organics

Newsletter 10

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BIO-TRICHO (Pruning) vir beheer van houtverrottingswamme in snoeiwonde by wingerd en vrugtebome

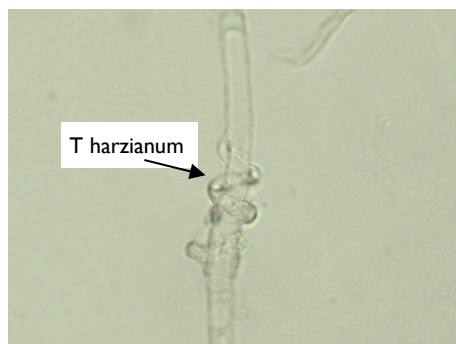
BIO-TRICHO (Pruning) for control of wood rotting fungi on pruning wounds in vineyards and fruit trees.

Bio-Tricho pruning bestaan uit spore van die swam *Trichoderma harzianum*. Hierdie swam is 'n bekende parasiet op ander swamme, soos houtverrottingswamme en wortelverrottingswamme. Die formulasie bestaan uit spore van die swam in 'n poeier wat as draer dien. Die produk word op snoeiwonde toegedien @ 400g/100L water. Aanwending moet verskieslik direk na snoei plaasvind maar beslis nie later as 5 dae daarna nie. Byvoeging van molasse teen 'n konsentrasie van 200ml/100L water verhoog die aktiwiteit van die swam.

Die swam se werking is al deur verskeie navorsers bestudeer. Swamdrade van *Trichoderma harzianum* krul om die swamdrade van die betrokke patogeniese houtverrottingswamme sodra kontak gemaak word en die patogeniese swam word ensiematies verteer. Sien aangehegde foto.

Bio-Tricho (pruning) se aanwending op snoeiwonde word die effektiwste met rugsakspuite gedoen. Byvoeging van kleurstof

by die mengsel sal die operateur help om alle snoeiwonde te bedek.



Bio-Tricho pruning consists of spores of the fungus *Trichoderma harzianum*. Isolates of this

fungus are well known parasites on other fungal species like woodrotting fungi and root rot fungi. The formulation consists of spores of the fungus in a powder which acts as carrier of the spores. The product is applied on pruning wounds @ 400g/100L water. Application should be done directly after pruning and definitely not later than 5 days after pruning. Molasses at a concentration of 200ml/100L water increases the effectiveness of the fungus.

The mode of action of the fungus has been studied by several researchers. Mycelium of *Trichoderma harzianum* curls around mycelium of the pathogenic wood rotting fungi when contact is made and the pathogenic fungus is digested enzymatically. See attached photo.

Application of Bio-Tricho pruning is done most effectively with a rucksack sprayer. Food grade colorant can be added to the mixture to ensure good coverage of all wounds by the attendant.

With the next newsletters we will send you some information on 'organic agriculture', which we think is useful in identifying the real from the somewhat distorted image.

IFOAM principles of organic agriculture:

These Principles are the roots from which organic agriculture grows and develops. They express the contribution that organic agriculture can make to the world and a vision to improve all agriculture in a global context. Agriculture is one of humankind's most basic activities because all people need to nourish themselves daily. History, culture and community values are embedded in agriculture. The Principles apply to agriculture in the broadest sense, including the way people tend soils, water, plants and animals in order to produce, prepare and distribute food and other goods. They concern the way people interact with living landscapes, relate to one another and shape the legacy of future generations.

The Principles of Organic Agriculture serve to inspire the organic movement in its full diversity. They guide IFOAM's development of positions, programs and standards. Furthermore, they are presented with a vision of their world-wide adoption. Organic agriculture is based on:

- The Principle of Health
- The Principle of Ecology
- The Principle of Fairness
- The Principle of Care

Each principle is articulated through a statement followed by an explanation. The principles are to be used as a whole. They are composed as ethical principles to inspire action.

Sou u van enigiemand weet wat graag ons nuusbriewe sou wou ontvang, laat weet ons asseblief! DANKIE.

Should you know of any person that would like to receive our newsletter, please let us know! THANK YOU.

Any technical challenges can be addressed to:
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Or just investigate our web-site:
<http://www.agro-organics.co.za>