

# Natural Wood Stain:

ECO2PROTECT

# Natural Protection of Grafts and Pruning injuries:

ECO2CARE



produced and distributed by  
Xpert4growth Bvba  
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[www.xp4g.com](http://www.xp4g.com)

# Applications

- **Eco2PROTECT**

- is made up of natural components and is intended to be dissolved in water by the user.
- This Stain is intended to protect untreated wood, when it is important to respect for ecology, for example:
- Nest boxes, Hives, Garden furniture.
- All other wooden surfaces can also be protected after preparation.
- It is delivered in powder form per dose of 15 grams, to be dissolved in 1 liter of water. Covered area: 10 m<sup>2</sup> (depending on the porosity of the wood).

- **Eco2CARE**

- is made up of natural components and is intended to be dissolved in vinegar by the user.
- This preparation is intended to protect grafts and pruning injuries, when it is important to respect for ecology.
- It can be applied with a brush or sprayer.
- It is delivered as a powder per 5 gram dose to dissolve in 0.5 liter of vinegar.

# Properties and benefits.

The product has no adverse effects on human or animal health, groundwater or any unacceptable influence on the environment. Classified as non-hazardous according to EC 1272/2008.

It has fungicide and bactericidal properties and protects the wood from moss formation.

The protection is not caused by a film but by a reaction between the product and the cellulose of the wood up to a few mm deep, depending on the porosity.

Before recycling the package, rinse it with water. This water can be poured on the soil between plants, since this product is good for improving plant vigor.

The product contains no chemical solvents and is not flammable.

**ECO2PROTECT** comes in 15-gram pouches to be dissolved in a liter of water to cover about 10 m<sup>2</sup>. For smaller surfaces reduce the volume of water and the weight of powder in proportion.

For a new surface: dust removing and treat.

For a renovation: after cleaning thoroughly at the "karcher", apply the product with a brush. The surface should not be completely dry. Apply a second layer after 24 hours.

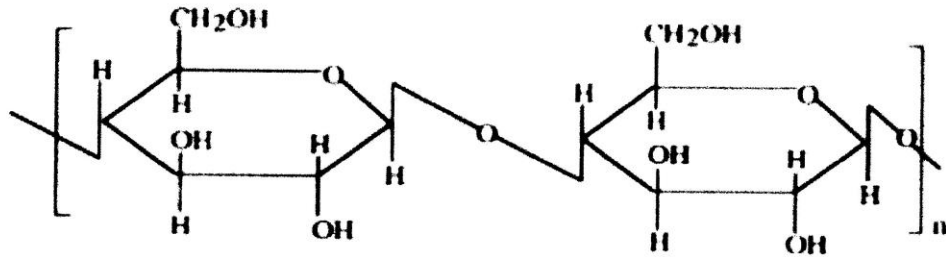
The dry product can be stored for one year after opening the pouch. The solution can be kept for a few weeks, however it is advisable to use it within 7 days.

**ECO2CARE** comes in 5 gram pouches to dissolve in 0.5 liters of vinegar.

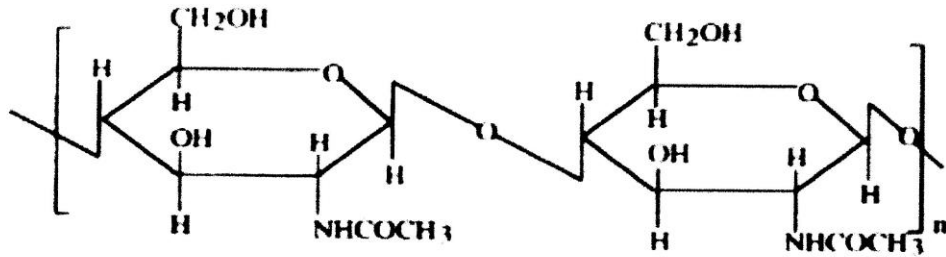
Put in solution in the vinegar, mix well and wait 24 hours. Mix from time to time. Apply to grafts or wounds immediately after pruning or grafting operations. Wait 4 hours before an additional application, if deemed necessary.

The dry product can be stored for one year after opening the pouch. The solution can be stored for 3 months.

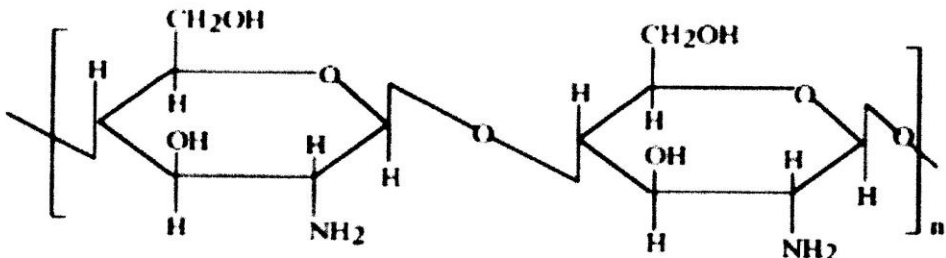
## How does it work?



Cellulose



Chitin



Chitosan

**ECO2PROTECT** and **ECO2CARE** are made from Chitosan.

Chitosan has a molecule very similar to that of Wood Cellulose, which allows it to react easily as described below:

The pores of the wood are closed, and the surface becomes water-repellent,

The surface is protected from attacks by fungi and bacteria.

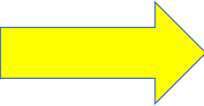
The protection is not a film on the surface of the wood, but is caused by a "merging" of the molecules of Cellulose and Chitosan, and this up to a few mm deep depending on the porosity.

The Chitosan used is a product allowed in organic farming.

Chitosan is a naturally occurring product that is already used for water purification, agriculture and soil remediation.

**ECO2PROTECT** and **ECO2CARE** are composed exclusively with natural components.

Authorized in  
Organic Agriculture  
CE 889/2008



**LIST OF "BASIC SUBSTANCES" ALLOWED IN ORGANIC AGRICULTURE**  
 ("Basic substances" allowed in organic agriculture are indicated in green;  
 conditions for use apply)

Number	Common name, identification numbers	Fulfilling the criteria of Annex II to Regulation 889/2008	Use
1	<i>Equisetum arvense L.</i>	YES	Use as fungicide approved (see Appendices I and II of <a href="#">SANCO/12388/2013</a> for specific conditions).
2	Chitosan hydrochloride	YES	Use as fungicide and bactericide approved (see Appendices I and II of <a href="#">SANCO/12388/2013</a> for specific conditions).

# Three years after treatment with **Eco2Protect** !

