

VINITECH 2010 trade fair **preview**

Fully biodegradable protection made of natural Kraft paper, for vine plants.

BIO-PROTEK®

Protecting plants and the environment

Distributed by the Bordeaux-based company CFCL*, BIO-PROTEK® is the first 100% biodegradable plant protector to be available on the market: a patented innovation made of natural Kraft paper from Gascogne Paper.

Around 100 million vine plants are protected in France each year against rodents and weeding. The primary technique used is a plastic sleeve. BIO-PROTEK® offers an effective and ecological alternative to plastic, to protect young plants while also limiting the impact on the environment.



100% natural and biodegradable

BIO-PROTEK® is the first plant protector made of natural Kraft paper, a 100% biodegradable and renewable material. Patented by the investment company INOVIP, this exclusive innovation was designed using Gascogne Paper KALYSACK WS® Kraft paper, a natural Kraft paper produced from the sustainably-managed Landes de Gascogne pine forests. Resistant even when wet, this product maintains its rigidity and effective mechanical properties in rain and strong winds to ensure continued effective protection of your plants. BIO-PROTEK® also contains macro-perforations to prevent wind damage.

BIO-PROTEK® is easy to install when planting young plants (in spring for grape vines). It remains effective for

two full seasons before naturally biodegrading to ensure unrestricted and pollutant-free growth of plants. The added bonus: its natural wood colour also allows it to blend in perfectly with the natural environment.

In addition to vine plants, BIO-PROTEK® plant protector can also be used in orchards, parks and gardens, and green spaces along roads and motorways, etc.

BIO-PROTEK® OFFERS:

- **Perfect protection** against weeding and an ideal defence against rodents (rabbits...)
- **Promoted growth:** the macro-perforations reduce wind resistance
- **No greenhouse effects:** it prevents damage to the plant from intense sunshine and does not store heat
- **Solid resistance to severe weather** thanks to the strength of the Kraft paper, whether dry or moist
- **No clean-up, no pollution:** when the plant no longer needs protection, the paper degrades naturally; an eco-friendly and cost-saving solution
- **Easy installation** thanks to the rigidity of the paper
- **No visual pollution:** the paper made of 100% raw unbleached fibres conserves the natural colour of wood and blends in perfectly with the environment
- **No real pollution:** all components are 100% biodegradable (paper and adhesive)



TECHNICAL INFORMATION

- **3 models available:** solid, partly or fully perforated
- **4 heights:** 400 mm, 500 mm, 600 mm, 900 mm
- BIO-PROTEK® can be installed with one or more biodegradable bamboo or natural pine stakes

Example of pollution from non-biodegradable protections



NATURAL KRAFT PAPER: A BIODEGRADABLE MONOMATERIAL

Produced from a renewable and renewed resource, Kraft paper is a natural, 100% biodegradable and recyclable material. Its biodegradability is entirely natural: like the leaves of trees, the paper breaks down naturally and returns to its former state of cellulose fibres. It can be completely assimilated by the natural environment, and has no impact on the environment or human health.

KALYSACK WS® 155 g/m² paper used for the BIO-PROTEK® young plant protectors is an ecru Kraft paper made from 100% raw unbleached fibres. It is a product of the sustainably-managed Landes de Gascogne pine forests (PEFC certification) and manufactured by Gascogne Paper at its Mimizan plant in the Landes. Its paper weight has been specially designed to provide the mechanical resistance and rigidity necessary for proper installation and performance of the BIO-PROTEK® plant protectors. It is Wet Strength (WS) treated to offer greater resistance when wet, while still being completely biodegradable.

Gascogne Paper

Founded in 1925 by forestry operation owners, Gascogne Paper is the world's leading producer of machine-glazed natural Kraft paper, and a major European producer of natural SackKraft paper. The company (first known as "Papeteries de Gascogne") was initially created to promote the development of the Landes de Gascogne forest. Based in Mimizan (Landes) in the heart of its regional resource, its integrated plant produces wood pulp and unbleached Kraft papers. Produced from a renewable and renewed resource, Kraft paper is a natural, 100% biodegradable and recyclable biomaterial.

For further information, visit: www.gascognepaper.com

CFCL

The Bordeaux-based company CFCL was set up in 1932 to market lubricants. It has since branched into specific markets benefiting from its recognised know-how. Over the last twenty years, CFCL has become an essential player in the domain of grafting wax for vine plants, both in France and abroad. Three years ago, CFCL first offered its plant nursery customers a comprehensive range of products to meet their professional needs. Forming close relations with its customers, CFCL makes it its duty to offer useful products that respect both plant and human environments.

For further information, visit: www.cfcl.fr

The Gascogne group

The Gascogne group is the leading player in the wood industry in France, operating at every stage of the processing of forest resources, and the only player in France that is totally integrated along the complete wood-paper-processing chain. The Gascogne group operates in four complementary business sectors: It is the leading multi-specialised operator in the wood industry, the world's leading producer of machine-glazed natural Kraft paper, one of the European leaders in the industrial and consumer bags market, and one of the world's leading producers of packaging and protection laminates. The Group employs 2,627 people (2009 figures). In 2009, the Group posted sales of €552.1m. It is currently represented in 70 countries and on five continents by 18 subsidiaries and 20 production plants.

For further information, visit: www.groupe.gascogne.com

INOVIP

Located in Bordeaux and in Nantes, INOVIP is actively involved in the taking of participation in companies and innovative projects. INOVIP becomes involved in the development of these companies and projects, providing human and technical resources (sales, marketing, management, finance, legal, etc.). Holder of the patent for the biodegradable young plant protector, INOVIP entrusted CFCL with the sale of this product under the brand name BIO-PROTEK®. INOVIP is currently working on the development of new patents for by-products of this innovation.

For further information, visit: Jean-François PINSON - jfpinson@inovip.com

CFCL WILL OFFER A PREVIEW OF BIO-PROTEK® AT THE VINITECH TRADE SHOW

(FROM 30/11/10 TO 2/12/10) AT THE PARC DES EXPOSITIONS IN BORDEAUX, STAND 0609, AISLE A (HALL 1)

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