

Beaulieu
International
Group



Technical Textiles

Coverlys[®]
Smart fruit covering

Agrotextiles

Protect and stimulate
your table grape cultivation!



SCIENTIFICALLY
APPROVED



TECHNOLOGY
FROM BELGIUM



Coverlys® protects against early ripening and pro

Coverlys® Smart fruit covering

Beaulieu Technical Textiles has developed a highly transparent woven fabric for covering and protecting your table grapes. The woven protective cover provides a high grape yield by enhancing early ripening and ensuring a high level of light transmission. Moreover, the woven fabrics have a lifespan of 5 years and are able to withstand high mechanical exposure during installation and storage.

Lifetime protection of 5 years

High UV transmission, higher grape yield

Increase in polyphenols, healthier fruit

Save energy & create the perfect greenhouse

Durable and reusable



Lifetime protection of 5 years

In accordance with the EN 13206 standard, Coverlys® achieved the highest level of lifetime requirements. UV resistance with pesticides holds for 5 years at maximum levels of 2000 ppm Sulphur (S), 150 ppm chlorine (Cl) and 60 ppm iron (Fe) per year in a geographical region of 140 kLy.



Against the climate, advances provides more light and colour!

High UV transmission, higher grape yield

The higher the level of UV transmission, the better the coloration of your table grapes and the higher the phenols. Up to 39% of transmitted light is diffused, while 28% involves direct UV transmission. Light is highly diffused within the canopy, stimulating early ripening and resulting in higher productivity.

Increase in polyphenols, healthier fruit

Coverlys® has a positive effect on the health benefits linked to table grape consumption. The 67% UV transmission increases the level of phenols, better known as antioxidants in healthy foods. The skin and seeds of the table grapes will contain more powerful polyphenols and flavonoids. Table grapes containing polyphenols may slow or prevent some cancers.

Save energy & create the perfect greenhouse

A low IR long value (26%) provides good energy savings and insulation. The radiation is kept inside the covered vineyard, as collected heat is not dispersed through the woven fabric. At the same time, convection is retained entirely inside the greenhouse when the covering structure is entirely closed.

Durable and reusable

Coverlys® is resistant to both mechanical stresses and normal weather conditions (UV guarantee of 700 kLy without pesticides). The woven structure of the coated fabrics is highly tear-resistant. The covering can be re-used season after season, for up to 5 years!



Scientifically proven



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The University of Foggia (Italy), the University of Turin (Italy) and the University of Bari (Italy) tested Coverlys® on its light properties and its influence on the early ripening of table grapes. Scientific measurements show a high level of UV transmission, a higher light diffusivity and an optimal greenhouse effect, resulting in a higher grape yield and even higher health benefits.

Coverlys®

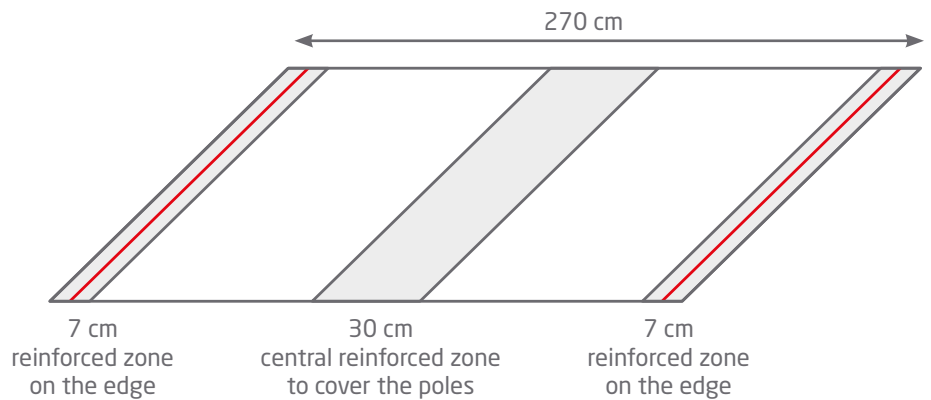
Smart fruit covering

Product information	Coverlys® TR165 C1 REINF
Width x Length	270 cm. Length is supplied in cut-to-length rolls
Weight	165 g/m ²
UV guarantee	5 years (in a geographical region of 140 kLy)
UV resistance	Without pesticides: class E according to EN 13206:2012; class F according to prEN 13206:2015
	UV resistance with pesticides holds 5 years at max. levels of 2000 ppm S - 150 ppm Cl - 60 ppm Fe UV resistance with pesticides holds 3 years at max. levels of 3000 ppm S - 200 ppm Cl - 80 ppm Fe (in a geographical region of 140 kLy)
PE coating	Inner side is anti-fog and anti-drop PE coated. The non-coated side is the outdoor side.



Reinforced pattern and installation holes

The woven fabric is designed with reinforced zones and special marking lines. The reinforced areas are woven zones located in the middle (30 cm) and on the edges (7 cm) of the fabric. Extremely strong tape is interwoven in both edges of the fabric in order to ensure a more durable installation.



The red line on each side indicates the ideal position for the installation holes. Holes are punched at 50 cm intervals on this red marking line.