



# Lumilys<sup>®</sup>

Smart reflective groundcover

Agrotextiles

## Ensure a lucrative apple harvest



SCIENTIFICALLY  
APPROVED



QUICK  
INSTALLATION



TECHNOLOGY  
FROM BELGIUM



# More perfectly coloured

## Lumilys<sup>®</sup> reflective groundcover

More light, more colour,  
more profit, quick install

PAR\* light is crucial for the reddening of your apples, especially in the last few weeks before the first harvest. Lumilys<sup>®</sup> groundcover was developed by BTT to provide optimal light reflection in the heart of your orchard.

Over just a few weeks Lumilys<sup>®</sup> brings out the best colour in your apples. The results are nothing short of brilliant!



+ 30% more light in all types of weather

Optimal red colouring

Up to 25% more premium choice apples

Return after 1 to 2 seasons

Up to 20% average annual return

Quick installation

Up to 25% more  
premium choice apples

Lumilys<sup>®</sup> results in a measurably better first harvest.  
This immediately boosts your profits.



# apples with your first harvest!

## + 30% more light in all types of weather

Lumilys® brings more PAR\* light into the depths of your orchard, whatever region or climate you work in.

## Optimal red colouring

Lumilys® stimulates a homogeneous colouring with a redder blush, whilst maintaining the quality of fruits.

## Return after 1 to 2 seasons

Lumilys® is a worthwhile investment. With proven returns you recoup the full investment after one to two seasons.

## Durable and reusable

Lumilys® is resistant to both mechanical stresses and weathering (UV warranty kLy 900). You can re-use it season after season.



## Scientifically proven



The effect of Lumilys® is evident. Scientific tests conducted by recognized and reputable research centres prove how “smart” Lumilys® groundcover really is: Universität Bonn (Germany), pc fruit (Belgium), KOB Kompetenzzentrum Obstbau-Bodensee (Germany) and CRESO (Italy).

This efficient technology has been proven to deliver measurable results, with noticeable added value in orchards equipped with hail nets.

\* Photosynthetically Active Radiation

Product information	Lumilys®	www.lumilys.com
Width x Length	10.83 ft x 328 ft (3.3 m x 100 m) and 8.53 ft x 328 ft (2.6 m x 100 m)	
Water permeability (EN ISO 11058)	10 L/m <sup>2</sup> /sec	
UV guarantee	10 years for Lumilys, 5 years for accessories	
Pattern	Red/green line in the middle and at both sides	
Pallet	23 rolls	
Quick Install	4.6 ft (1.4 m) elastic binders with 2 hooks 160 binders per box - 4 boxes per pallet Lumilys® Use 270 elastic binders with hooks for one acre Lumilys® 10.83 ft width, or 320 binders for 8.53 ft size.	

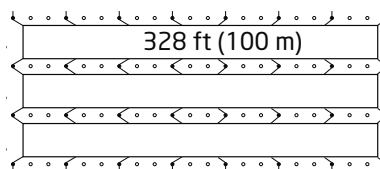
For the use of Lumilys® groundcover, the distance between the rows of trees is limited to maximum 14.11 ft (4.3 m), or 11.81ft (3.6 m).



### Installation instructions

Mow grass before installation. Install the cover 4-6 weeks before harvest at height of 10 cm above the ground. Only one elastic is needed for both sides of the tree. Use the clove hitch knot to fix the elastics to the trees.

- **Step 1:** Distribute an elastic every 13 ft (4 m) and fix these
- **Step 2:** Unroll and connect 50%
- **Step 3:** Unroll and pull
- **Step 4:** Connect next 50%
- **Step 5:** Release tension



Estimated installation time for 328 ft (100 m) Lumilys®:

- year x (step 1-5): 40 minutes
- year x+1 (step 2-5): 25 minutes

For easy installation year after year the elastics remain in place when the cover is not in use. Lumilys® does not prevent the growth of the grass in any way. The groundcover is removed just before the harvest, making your orchard once again perfectly accessible.

