

Agrotextiles

Lumilys[®]

Smart reflective groundcover

Installation instructions Quick Install

The product warranty will not be applicable if the product is not installed and used in strict accordance with these installation instructions.

For the use of Lumilys groundcover, the distance between the rows of trees is limited to maximum 3,60 m.

Lumilys is suitable for normal weather conditions.

The user must wear safety gloves and protective eyewear during installation.



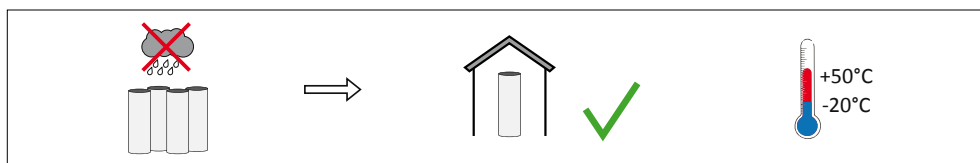
Estimated installation time for 100m Lumilys:
year x (step 1-5): 40 minutes
year x+1 (step 2-5): 25 minutes



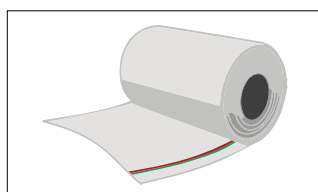
More info and videos on
www.lumilys.com

Storage

We advise to store the material between -20°C and 50°C. After usage store the enrolled Lumilys as clean and dry as possible in order to maintain the functionalities and properties of the cover. By preference rolls are stored in vertical position.



Tools



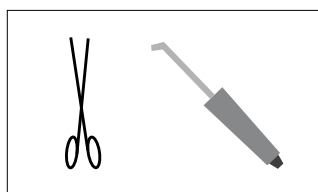
Lumilys reflective groundcover
(2,60 x 100 m)



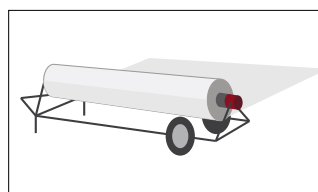
1,40m PEHD elastic binders with
2 polyamide hooks



Tensioning tool:
3 m strap with carabine
hooks on each end



Scissors, hot knife or
soldering iron to cut
covers < 100m



Winding system: similar
devices are used for hail
nets (optional)

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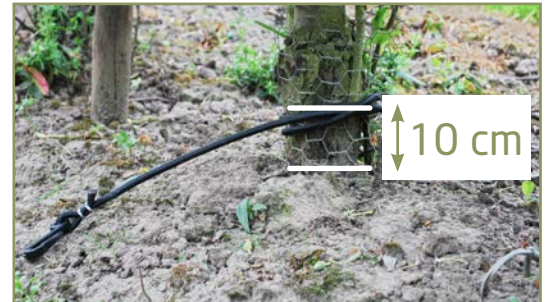
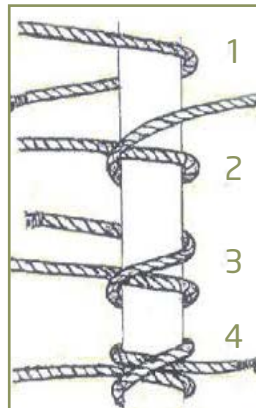
1. TIPS AND TRICKS

Mow grass before installation.

Install the cover 4 -6 weeks before harvest at height of 10cm above the ground.

For easy installation year after year the elastics remain in place when the cover is not in use.

Use the clove hitch knot to fix the elastics to the trees.

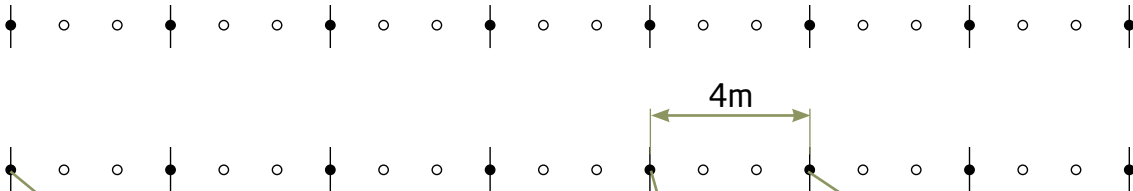


2. FIXATION

Step 1: Distribute and fix all elastics

Distribute an elastic every 4m. Only one elastic is needed for both sides of the tree. Install the elastics 10 cm above the ground. Use a clove hitch knot and make sure both ends have the same length.

- Trees with elastics
- Trees without elastics

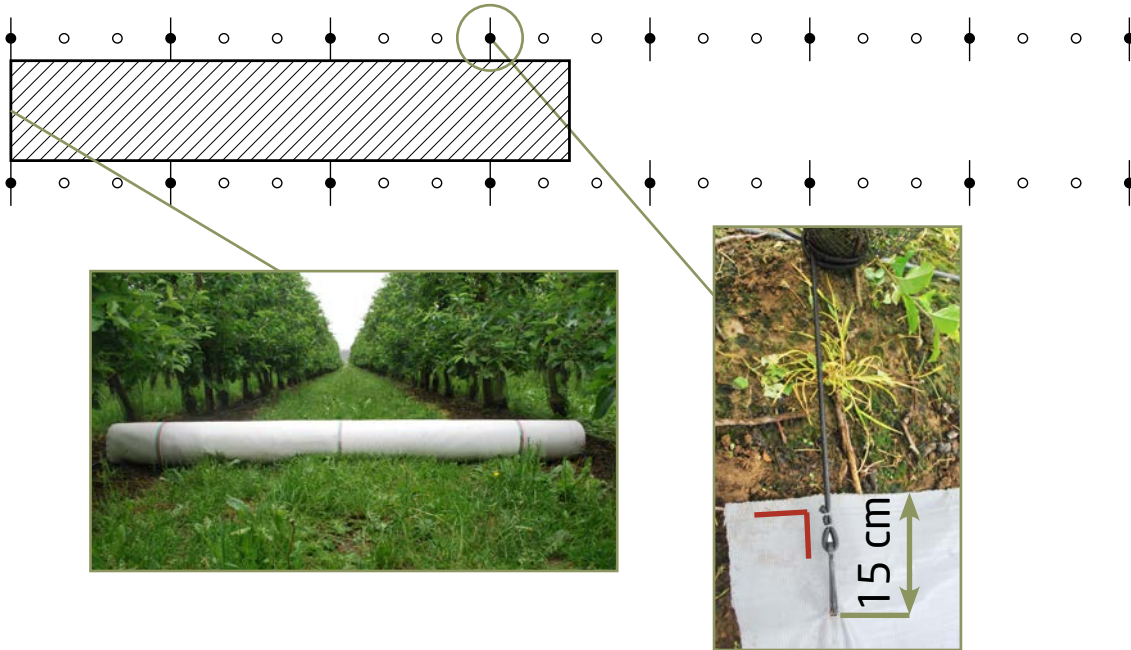


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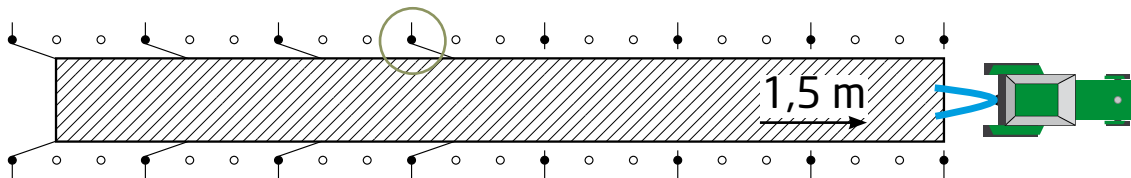
Step 2: Unroll and connect 50%

Start unrolling the cover, making sure it is centered properly. Punch the hooks through the groundcover at a 15 cm distance from the side, perpendicular to the tree. There is no tension on the elastic. Repeat this action every 4m until 50% (=50m) of the groundcover is reached.



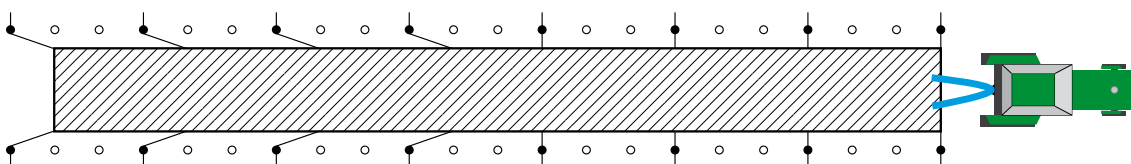
Step 3: Unroll and pull

Unroll the cover until the end without connecting hooks. Fix the end of the Lumilys cover to the tractor using two carabine hooks and a lashing strap (= tensioning tool). To achieve optimal tension of the fixed groundcover, use a tractor to pull the cover for 1,5m. The elastics will rotate in an angular position. Keep the tractor in current position as counterweight tool.



Step 4: Connect next 50%

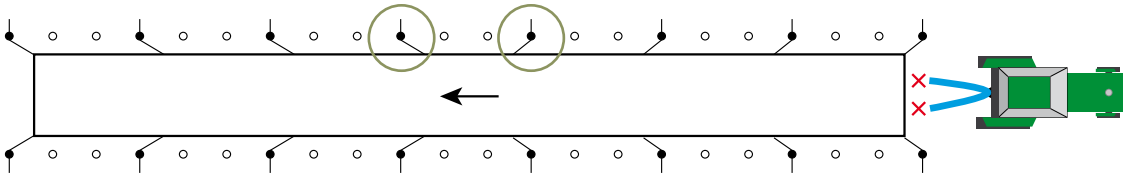
While the cover is under tension, punch the remaining hooks perpendicularly in the cover (as in step 2).



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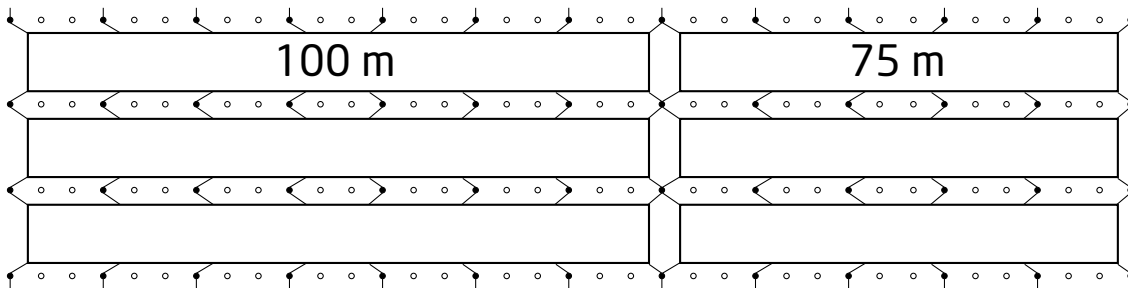
Step 5: Release tension

Finally, detach the cover from the tractor. The tension will be divided equally over all elastics. The groundcover will automatically move to its final position.



3. CUSTOMIZED LENGTHS

For rows longer or shorter than 100m, smaller sizes can be cut by a hot knife. Same installation method applies for these lengths.



4. REMOVAL OF COVER BEFORE HARVEST

Remove the cover by loosening the hooks and winding it on the tube. A motorized winding system drastically cuts removal time and manpower and improves ergonomics. The elastics remain in place around the tree for next uses.

