



Lumilys[®]

Smart reflective groundcover

Agrotextiles



More light, more color,
more profit



Lumilys WH

Smart reflective groundcover

The woven groundcover strongly influences the optimal color development of fruit.

- + 30% more PAR-light in all types of weather
- Optimal red coloring
- + 10% more premium choice apples
- Return after 1 to 2 seasons
- With all respect for fruit, trees and environment

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Smart reflective groundcover



Designed install kit with carefree hooks: Install the cover 4-6 weeks before harvest at height of 10 cm above the ground.



Functions

- Reflects incoming PAR light
- Achieves 80% reflection
- Improves the microbiological health of your soil
- Balances the water retention capacity of your orchard
- Durable against weathering and UV
- Withstands normal mechanical exposure

All products have a strong UV-warranty.

The warranty is no longer valid if the products have been in contact with sulphur-, chlorine-, iron-, and bromiumderivates, as well as coppersulfates.

Product Specifications

| Properties | Value | Test method |
|-----------------------------------|----------------------|-------------|
| Material | Polypropylene | |
| Tissue colour | White | |
| Colour lining Warp | Red/Green | |
| Pattern | Line in the middle | |
| Tissue weight | 100 g/m ² | ISO 3801 |
| Roll length | 100 m | |
| Roll width (Cut widths on demand) | 260 - 300 - 330 cm | |

Technical Characteristics

| | | |
|-------------------|-----------|--------------------|
| UV-stabilization | ≈ 900 Kly | ISO 4892-3 cycle 3 |
| Light reflection | 80 % | |
| Waterpermeability | 0,010 m/s | ISO 11058 |

UV-Stabilization : Based on QUV testing min 8300 h (cycles of 5 h light exposure UV-A 340 nm 0,83 W/m² at 50°C and 1 h water spray), which corresponds theoretically to a solar irradiation of 900 kLy. In a climate zone of 90 kLy/y (Western Europe) this corresponds to 10 years.