

PLaNT – Pressing yarns for agriculture made from NaturTextil TP1: Development and testing of bio-based binding yarns

Problem / Motivation

- Development of high-strength baling yarns made from natural fibre or polybutylene succinate (PBS) yarns in combination as an alternative to polypropylene (PP) yarns
- High tensile strength and knot strength
- Biodegradable
- A minimum service life of seven months



Solution

- Modification of PBS
- Biological and UV stabilisation
- Extrusion of stretched wide films followed by splicing/fibrillation
- Field trials in agricultural practice

Project Launch

05/2026

Project Partner

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The use of baling yarns or press yarns in the production of straw bales, © TU Dresden



With funding from the:



Acknowledgement

We would like to thank the Federal Ministry of Research, Technology and Space for funding the research project PLaNT (Reg. No. 03WIR7523A) within the funding programme „WIR! – Wandel in der Region durch Innovation“.