

Project title: Development of a biodegradable agricultural textile with continuously released odorous substances for the repulsion of insects

Period: 10/2018 - 09/2019

Funding agency: BMBF (PTJ)

Mission Statement

In this project, an agricultural textile for biological protection against insect pests in fruit cultivation is developed. Here, agricultural nets are currently being used to protect large areas from damage caused by animals or weather. In order to additionally functionalize these with an insect repellent, fibers are developed which release repulsive substances (odorous substances).

Project content:

In this project fundamental questions for the planning of a future project are clarified. For this purpose, expert discussions are conducted in order to analyze the product idea with regard to the necessary product characteristics according to the customer requirements, the market situation and the technical feasibility. The bio based plastics and repulsive substances that are principally considered will be evaluated in terms of criteria such as temperature resistance, chemical compatibility, efficacy and availability as part of a utility value analysis. The basic suitability of the materials will be investigated in preliminary tests. Finally, a development plan for the follow-up project is drawn up on the basis of the specification of the product idea, the expert discussions and the preliminary tests.

Interested parties are welcome to contact us and to participate in the planning phase and/or in the follow-up project.

Acknowledgement

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