













Development of a Textile with Silica coating for environmental friendly control of insects in Agricultural production

Deliverable [2]: [Interim Report Y1]

Version 1.0: first version delivered on 28-05-2019

This project is co-financed by the European Union and Greek national funds through the bilateral Greece-Germany S & T Cooperation Program, Competitiveness, Entrepreneurship & Innovation (EPANEK) (project code: T2DGE_0120).













Project Details:

Programme: Bilateral Greece-Germany S & T Cooperation Program, Competitiveness,

Entrepreneurship & Innovation

Project Title: Development of a textile with Silica coating for environmental friendly

control of insects in agricultural production

Project Acronym: AgriTexSil

Proposal Number: T2DGE-0120

Time Frame: 29/05/2018 – 28/08/2022

Deliverable Details

WP: [WP1-Management and coordination]

Task: [T1.3]: [Yearly reports]

Deliverable Title: [First year report reporting progress/findings of the project]

Deliverable type: Report, Confidential, only for members of the consortium (including

the Commission Services)

Lead beneficiary: [University of Thessaly]

Involved Partners: [UTH, ThraceNG, ITA, P&S]

Deadline for delivery: month [12], [28/05/2019]

Date of delivery: [28/05/2019]

Abbreviations:

ITA: Institut für Textiltechnik, Germany UTH: University of Thessaly, Greece

ThraceNG: Thrace Nonwovens & Geosynthetics S.A.

P&S: Powder and Surface GmbH













Table of Contents

1. Sı	ummary	3
2. Pl	anned activities during the first 12 months	4
2.1	WP1: Management and coordination (WP Leader: ITA)	4
2.2	WP2: Melt spinning of fibres for agrotextiles (WP Leader: ITA)	4
2.3	WP3: Coating of fibres (WP Leader: P&S)	5
2.4	WP4: Textile prototyping (WP Leader: Thrace)	6
2.5	WP5: Development of a Textile coating process (WP Leader: P&S)	6
2.6	WP6: Large scale fabrication of coated textiles (WP Leader: Thrace)	7
2.7	WP7: Textile evaluation (WP Leader: UTH)	7
2.8	WP8: Dissemination (WP Leader: Thrace)	7
3. Pe	erformed activities	9
3.1	WP1: Management and coordination (WP Leader: ITA)	9
3.2	WP2: Melt spinning of fibres for agrotextiles (WP Leader: ITA)	13
3.3	WP3: Coating of fibres (WP Leader: P&S)	15
3.4	WP4: Textile prototyping (WP Leader: Thrace)	18
3.5	WP5: Development of a Textile coating process (WP Leader: P&S)	19
3.6	WP6: Large scale fabrication of coated textiles (WP Leader: Thrace)	20
3.7	WP7: Textile evaluation (WP Leader: UTH)	20
3.8	WP8: Dissemination (WP Leader: Thrace)	20
List of	f Figures	
•	1. Agenda of the meeting held at P&S and ITA facilities in Germany during	_
Figure	2. Meeting to P&S (above) and ITA (below) facilities during 27th and	1 28 th of
March	2018, respectively	10
_	3. Agenda of the meeting held at ThraceNG facilities in Xanthi during Ju	
Figure	4. Photos from the meeting to ThraceNG facilities (Left: factory	y, right:
_	houses) during the 9 th of July	
_	5. Agritexsil Project Facebook page Screenshot	
_	6. Participation of UTH (Nikolaos Katsoulas) to the ISHS XI Inter	
	osium on Protected Cultivation in Mild Winter Climates & I Inter	
Sympo	osium on Nettings and Screens in Horticulture held in Tenerife, Spain b	oetween
lanuar	v 27, 2019 and January 31, 2019	24













1. Summary

This interim report presents the activities of the AgriTexSil project performed during the first 12 months, i.e. the period from 29-05-2018 to 28-05-2019. According to the project schedule, tasks from several WPs took place during the above mentioned period, and the activities performed are summarised herein. In the following sections of the report, the planned and performed activities of the project during the first year are presented. The detailed description of the activities performed is given in the relevant deliverables. All scheduled tasks were performed on time and efficiently. The full text of the deliverables due during the above reporting period are available upon request and a summary of each one is given on the webpage of the project (www.agritexsil.eu)







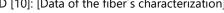






The deliverable is available upon request

Please send e-mail to the project coordinator: nkatsoul@uth.gr













AgriTexSil



D [10]: [Data of the fiber's characterization]