





ASSOCIATION **TUNISIENNE DE BIOTECHNOLOGIE** 



PRODUCTION OF BIOPESTICIDES BY BACILLUS THURINGIENSIS ISOLATED FROM LEBANESE AND TUNISIAN SOIL - «STUDY OF ECOTOXICOLOGICAL EFFECTS AND EFFICACY TESTS OF BIOPESTICIDES BASED ON BACILLUS THURINGIENSIS "LIP" AND "BLB1" AGAINST PHYLLOCNISTIS CITRELLA AND PRAYS CITRI» -Presented by Rayan NASSEREDDINE European Project: IPM-4-Citrus (No 734921)

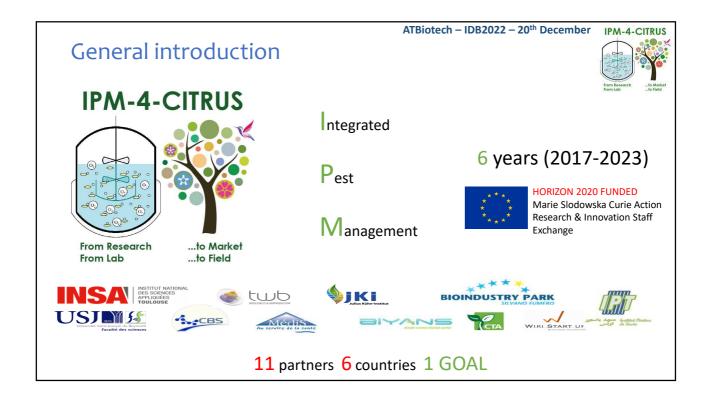
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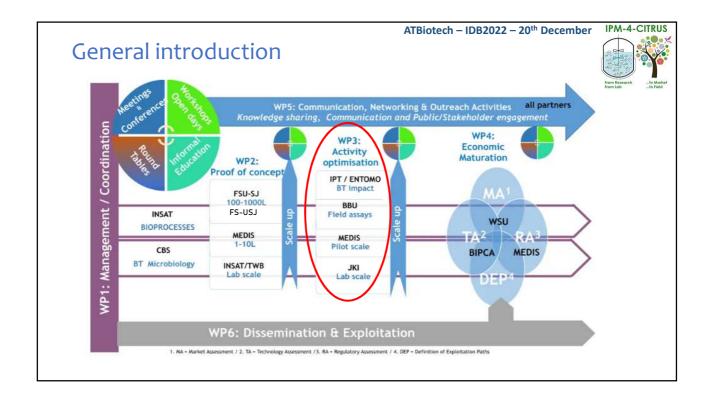
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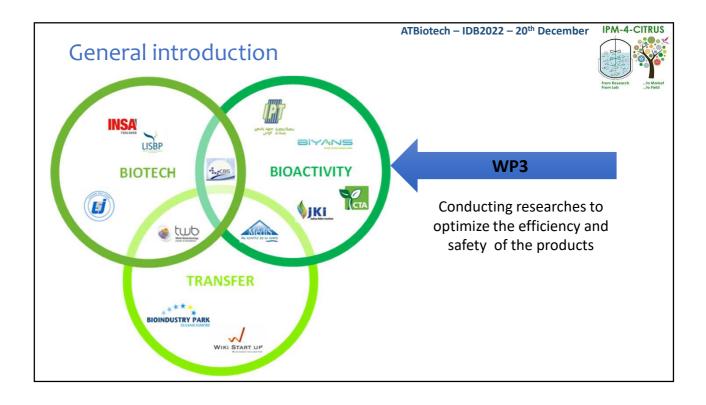
Secondment place : Plant protection department -Çukurova university.

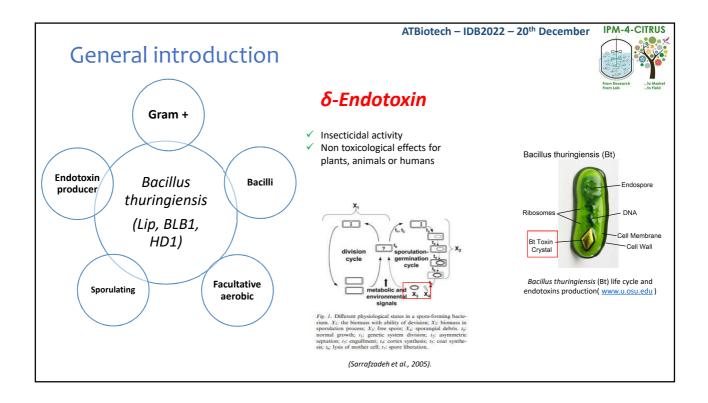
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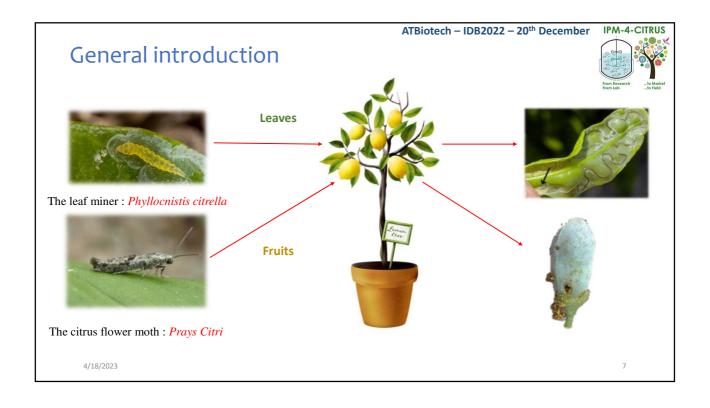
Plan	ATBiotech – IDB2022 – 20 <sup>th</sup> December	IPM-4-CITRUS
General introduction		
Objectives		
Experimental methodology		
Results and discussion		
Conclusion et Perspectives		
4/18/2023		2

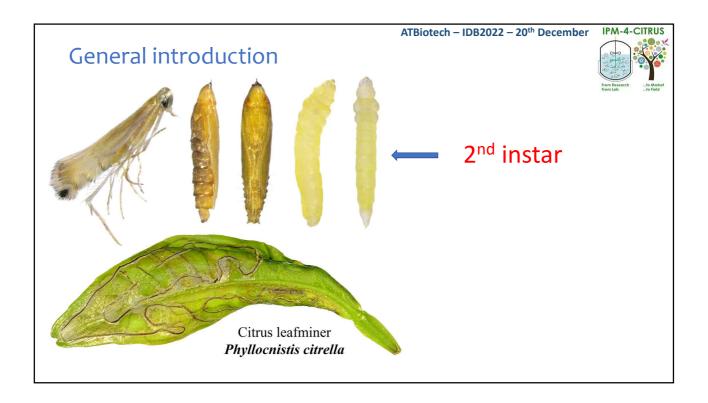


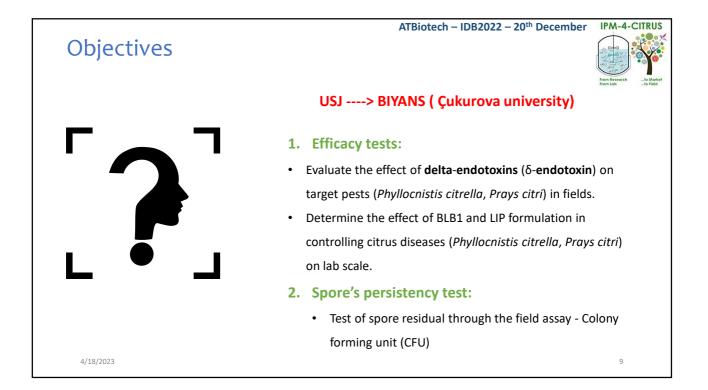




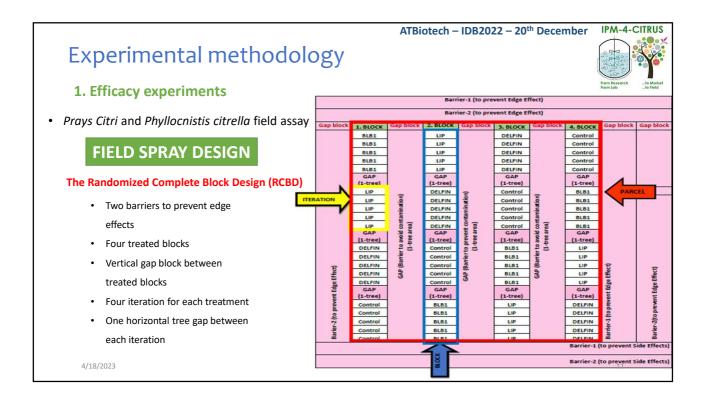












Experimental methodology	
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## 1. Efficacy experiments

## • Prays Citri and Phyllocnistis citrella field assay

Biopesticide	Protein concentration (g/L)	formulated product (g)	Water volume (L)*	Total formulated product (g)	Total volume (L)**
BLB1 mix_2022	1.050	9.375	15	37.5	60
LIP mix_2022	0.833	11.250	15	45	60
DELFIN WG	0.607	15	15	60	60
Water	0	0	15	0	60

ATBiotech – IDB2022 – 20th December

(\*): Volume prepared for one iteration: Each iteration contains 5 trees, and each tree needs 3 L; that means we need 15 liters per iteration.

(\*\*): Total volume prepared per biopesticide: We have four iterations per biopesticide; that means that we need 60 liters in total.



**IPM-4-CITRUS** 

