



EntoPrime

“Creating Innovation for Efficient and Sustainable BSF Farming”



Agenda

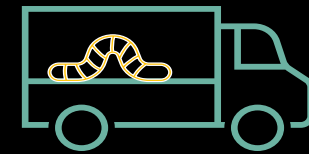
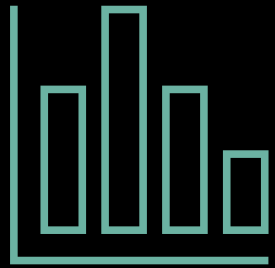
- ☐ EntoPrime presentation
- ☐ Aim of the study
- ☐ Experimental design and Methods
- ☐ Results and Discussion
- ☐ Conclusion and Perspectives



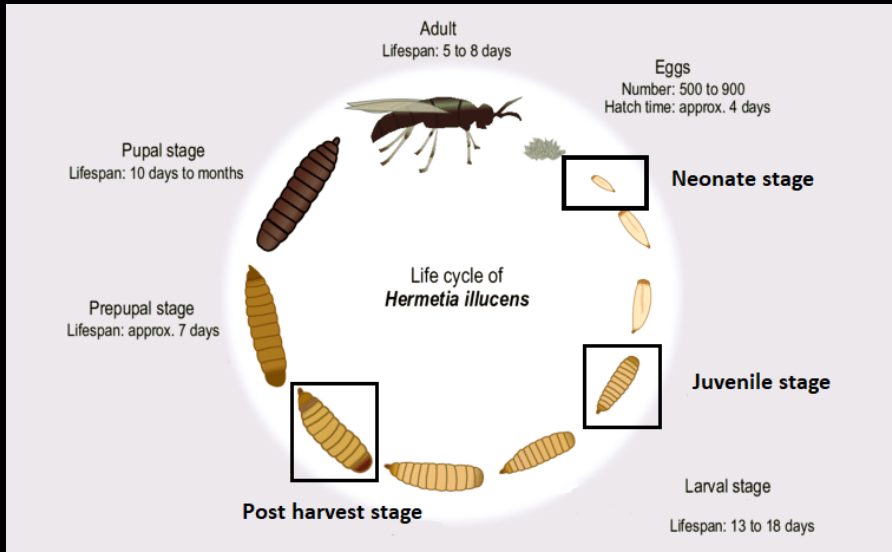
Why EntoPrime?



Insect production is rapidly expanding and diversifying, but faces:



StayPrime, our first technology



Different application & tailored to your needs



Buffer capacity & Efficient shipment



Enhanced production performance

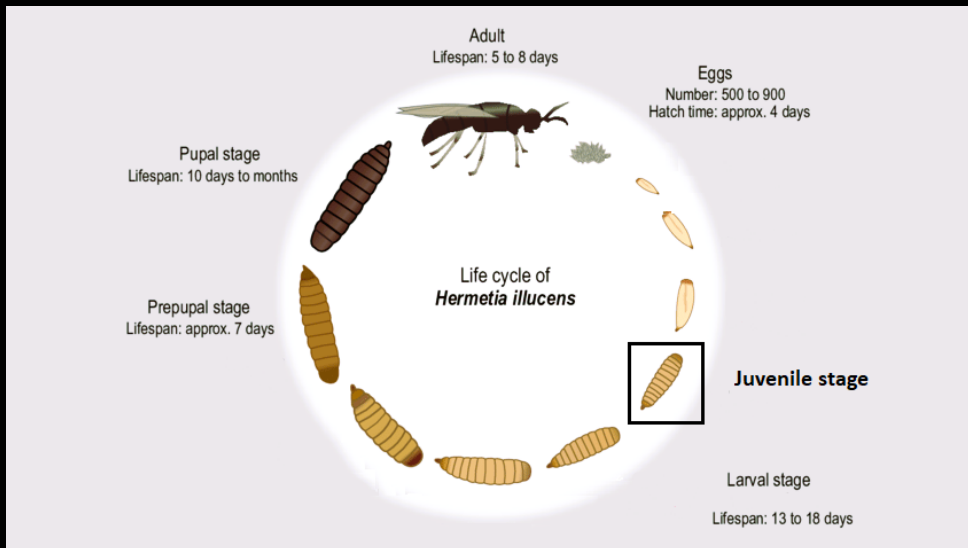
StayPrime: Prolonging Larval Shelf Life for Efficient Insect Farming Integration

Katsanis A., Schubert F. and Gligorescu A.

Validating the StayPrime technology for arresting BSF seed larvae at industrial relevant scale and assessing its deployment at Farminsect.

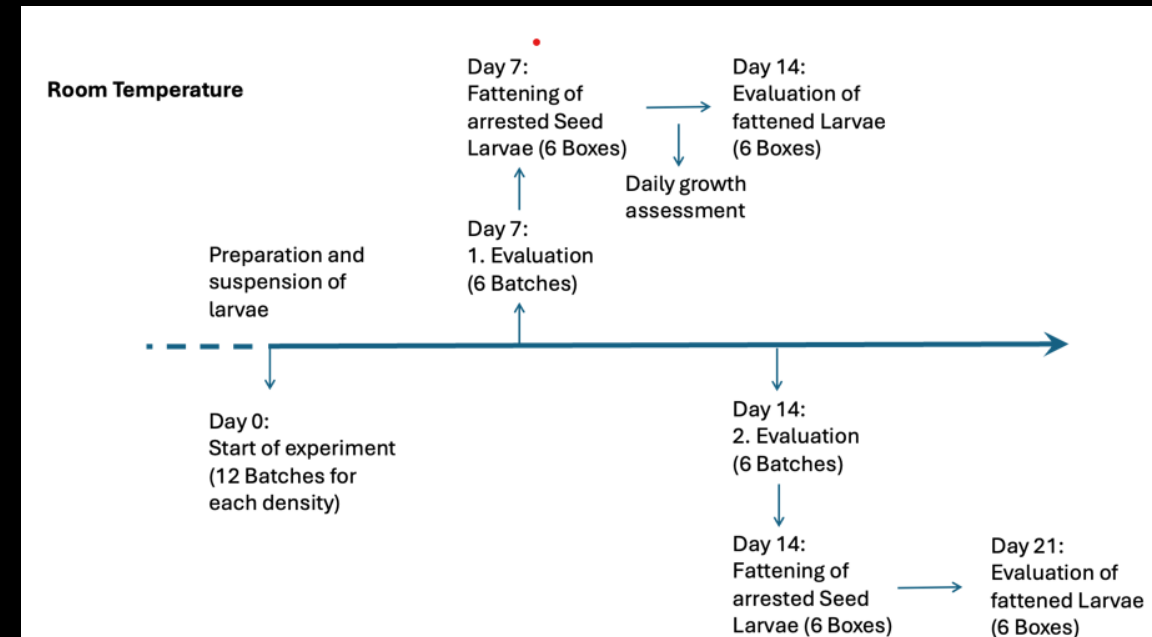


Methods - validation trial



Juveniles (3DOL)

- Arrestment time: 14 and 7 days at the farm
- Arrestment temperature: 20°C
- Dynamic growing conditions
- Densities: 20, 50, 80 T juveniles/container
- Feed: Farms diet
- Traits: survival rate, average weight, growth rate, FCR

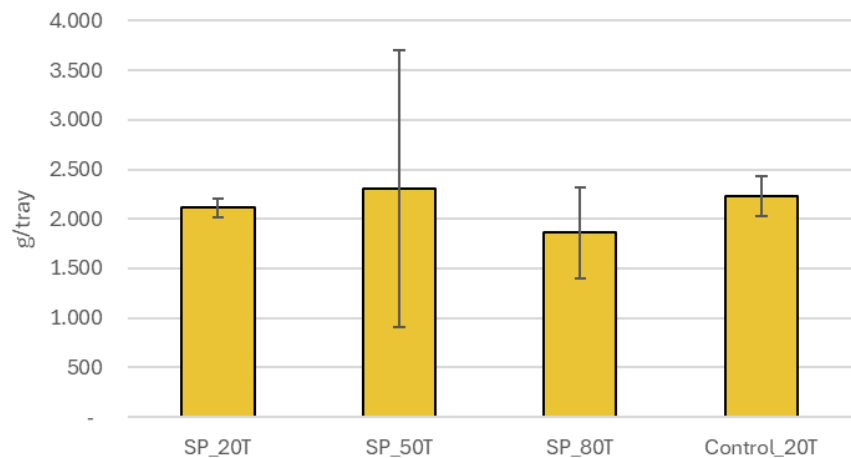




Results: 7-days arrestment

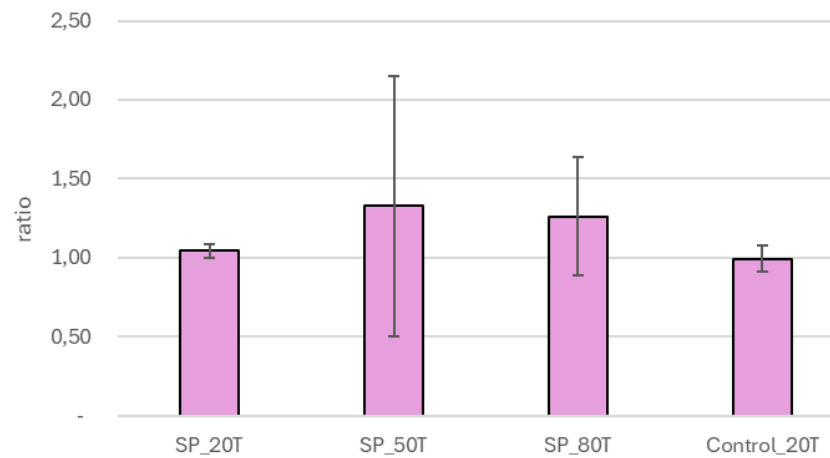
A

Total yield/ Box



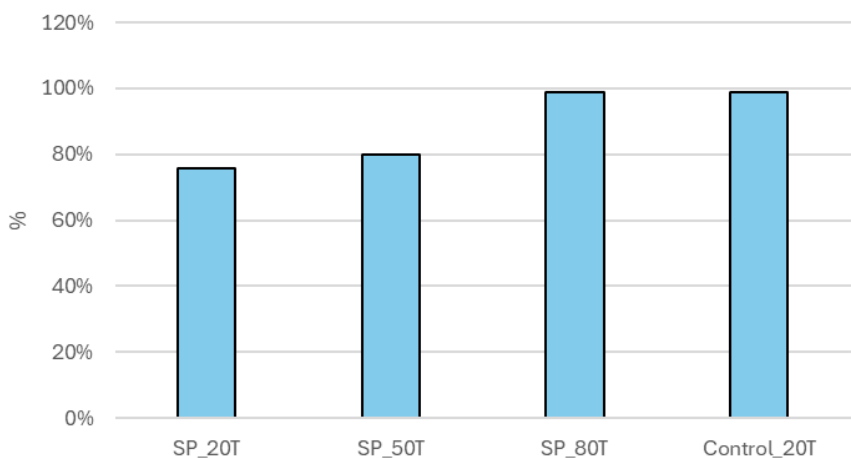
B

FCR



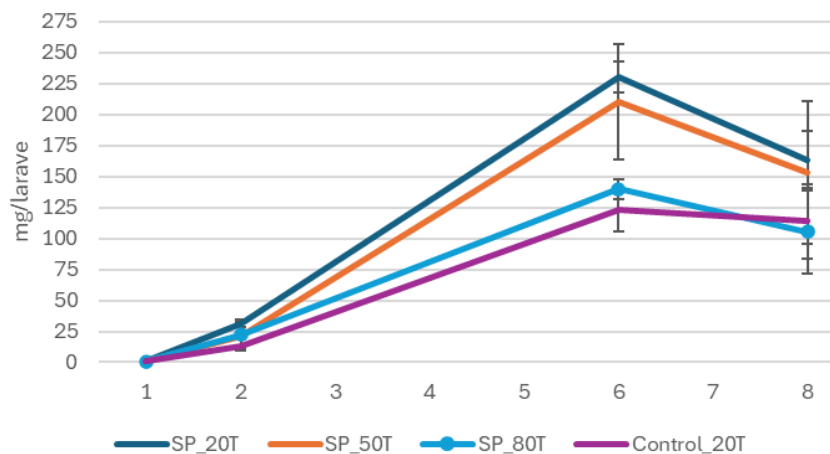
C

Survival rate



D

Growth



Main results:

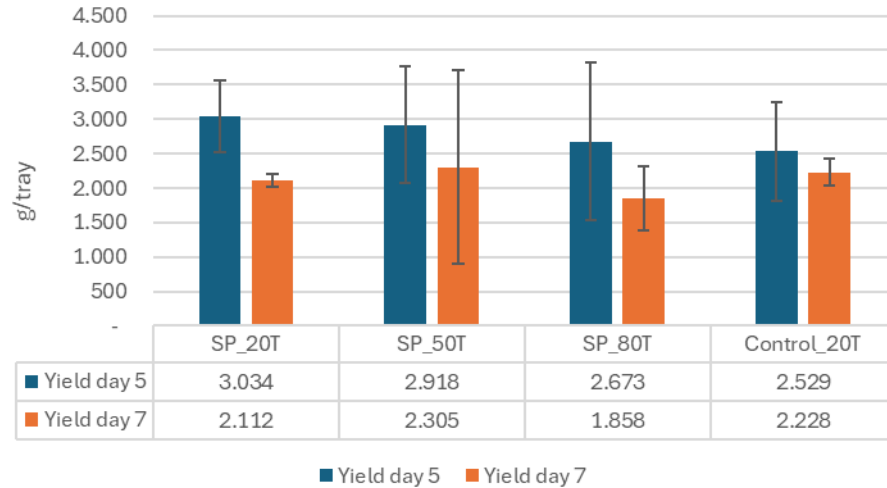
- Similar yield
- Good FCR
- High survival rate
- Better growth of SP juv. compared to control





Results: Juveniles 7 days arrestment

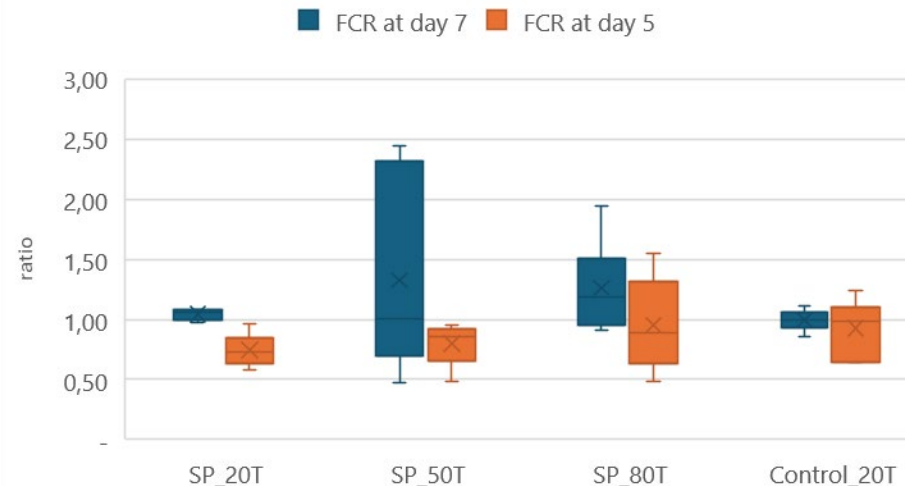
BSFL Yield



Main results:

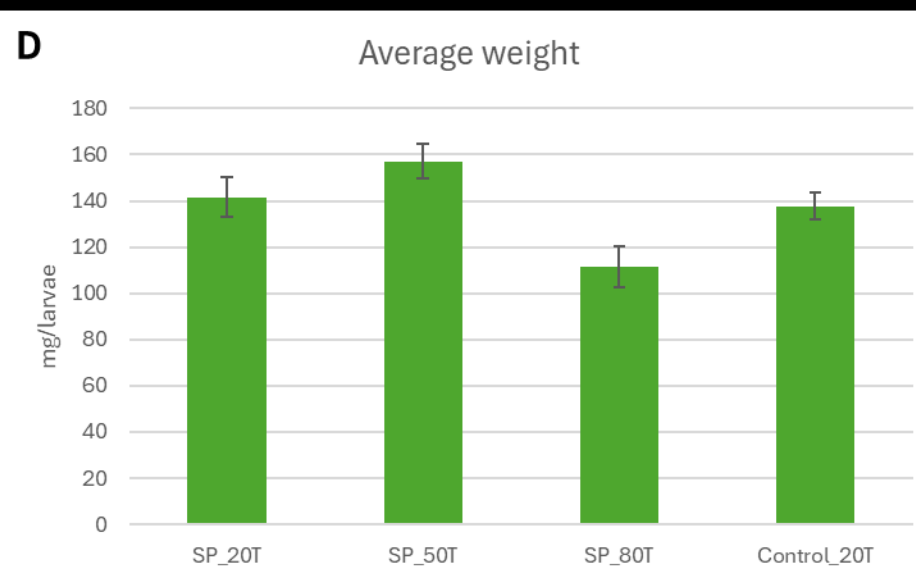
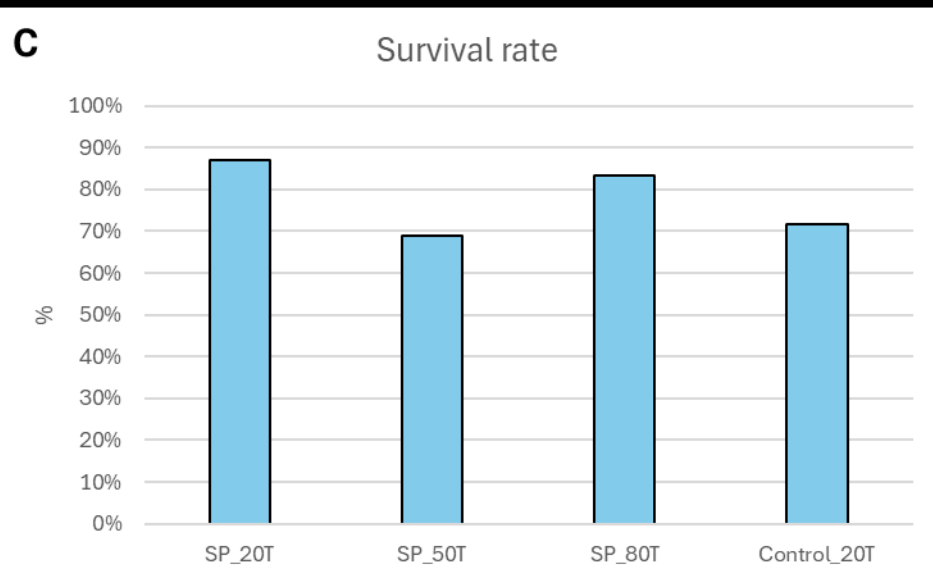
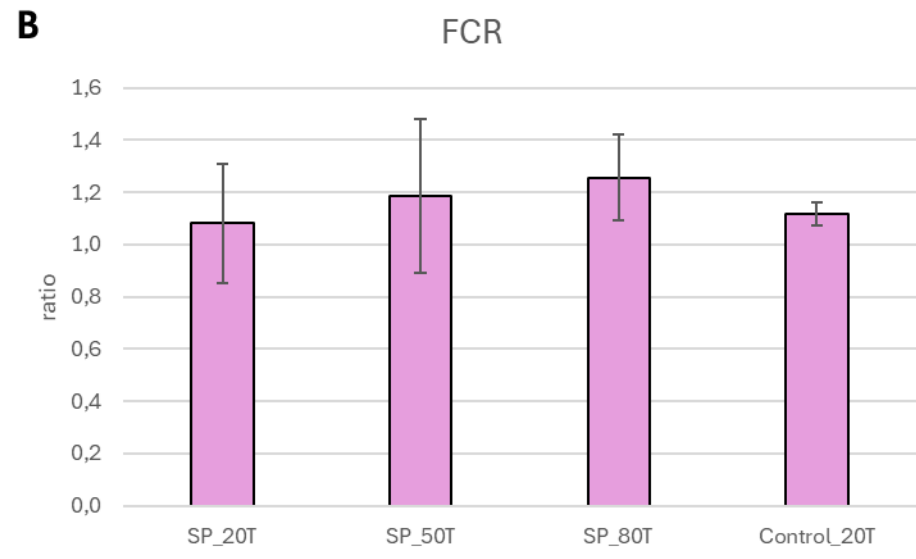
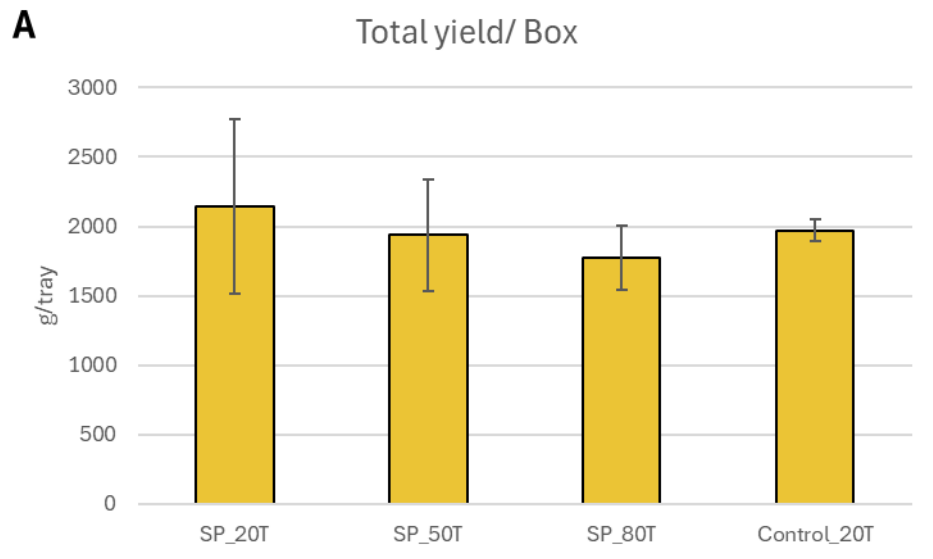
- Higher yield if harvested at day 5
- Good FCR at day 5

FCR





Results: 14 days arrestment



Main results:

- Similar yield
- Good FCR
- High survival rate
- Similar larval weight



Conclusion

- **Successfully arrestment of BSF juveniles for 7 and 14 days**
- **High larval performances after arrestment with StayPrime, similar with the control**
- **StayPrime can be used to enhance growth**
- **StayPrime can be used to decrease production time from 7 to 5 days**

Thank you!

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and Fisheries of Denmark
gudp

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