

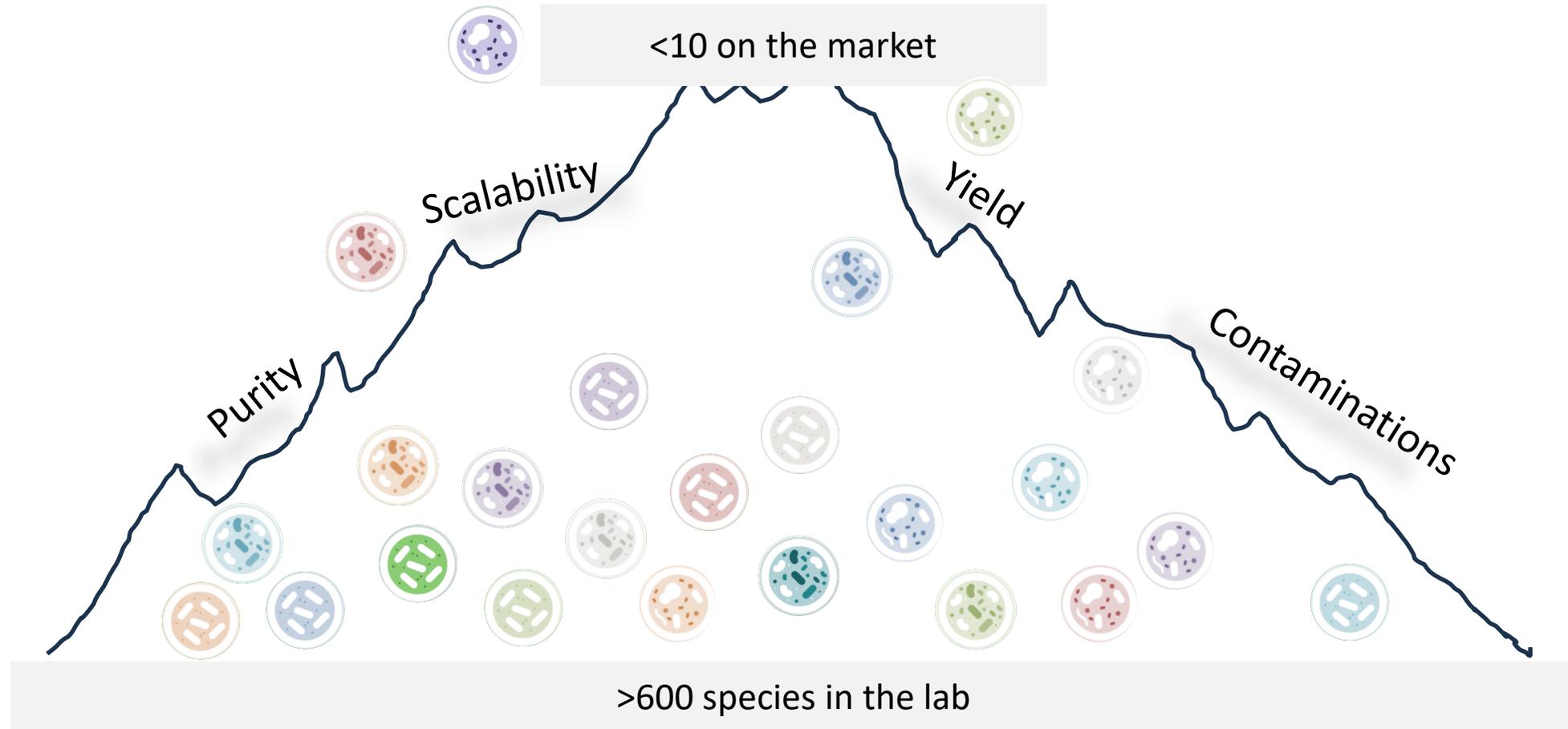
Debottlenecking conidial biopesticides

How scalable production can close the Gap from Lab to Field

CHALLENGE

CONIDIA AS PROMISING FUNGAL BIOPESTICIDES

Vast potential of conidial biopesticides is not exploited



Several hurdles lead to a gap from lab to the market

PROBLEM

ESTABLISHED TECHNOLOGIES FAIL IN PRACTICE

Established systems fail to deliver quality and quantity of conidial biopesticides

	Solid state	Stirred tank
		
Spore form	Conidia ✓	No conidia ✗
Reproducibility		
Free of contaminations		
Scalability		

A novel, scalable fermentation technology for conidia is needed

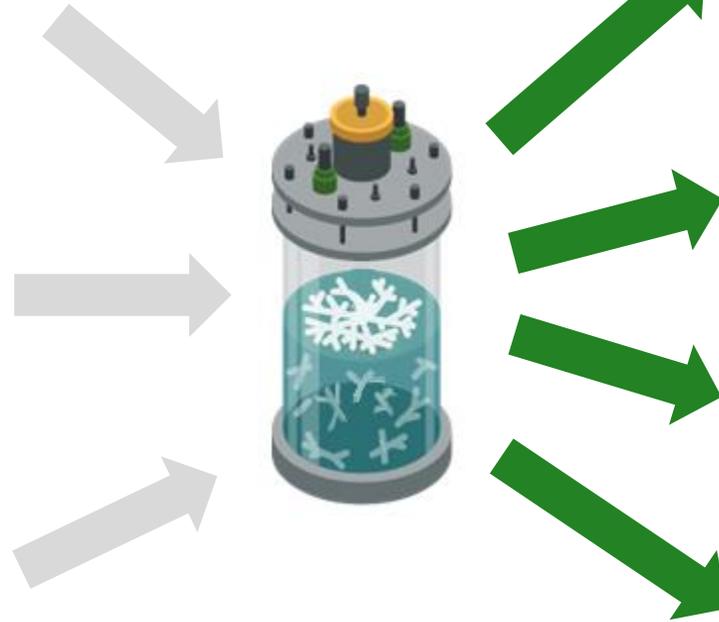
SOLUTION

MYCOTEC®: OUR STANDARD IN CONIDIA FERMENTATION

Biopolymer substrate

Controlled conditions

Scalable bioreactor design



High reproducibility

High-purity conidia

Free of contaminations

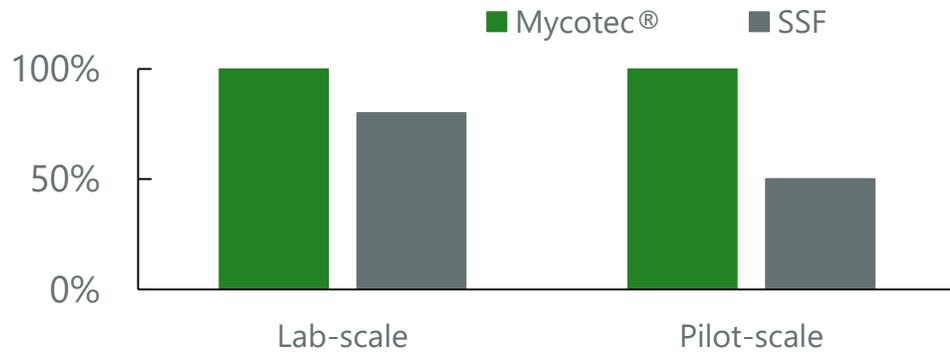
High yields

Mycotec® brings pure conidia production to scale

CONCLUSION

MYCOTEC® ACCELERATE DEVELOPMENT OF CONIDIAL AG INPUT

Substrate sterilization efficacy in %
Mycotec® vs Solid-State Fermentation (SSF)

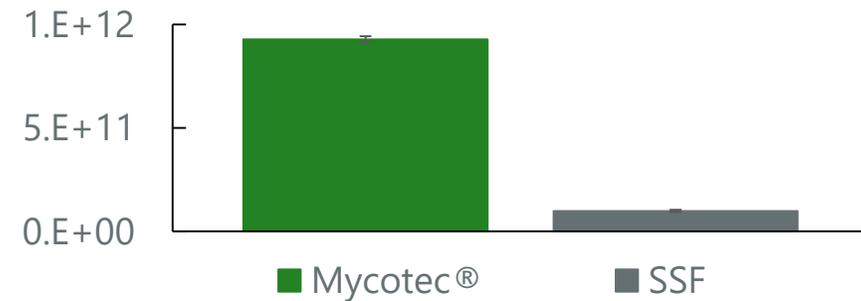


2x

better sterilization efficacy compared to state-of-the-art

Securing product quality and efficacy.

Dried product concentration in spores/kg dried fermentation bed
Mycotec® vs Solid state fermentation



8.5x

active ingredient concentration

Avoiding substrate residues unlocks in furrow, on seed and spray applications.

Mycotec® bridges the gap from lab to the field

Thank You!

Find us at booth 112, Hall 4.1