

IR-4 trials: Informing disease targets for BW159

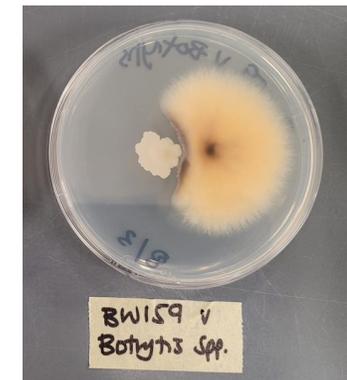
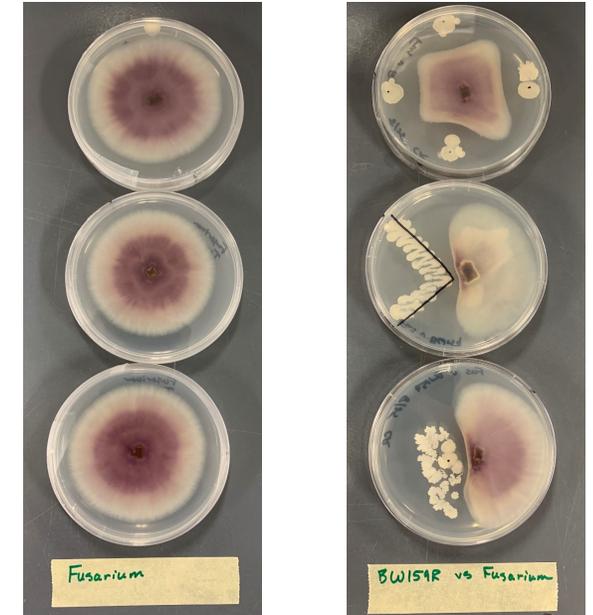
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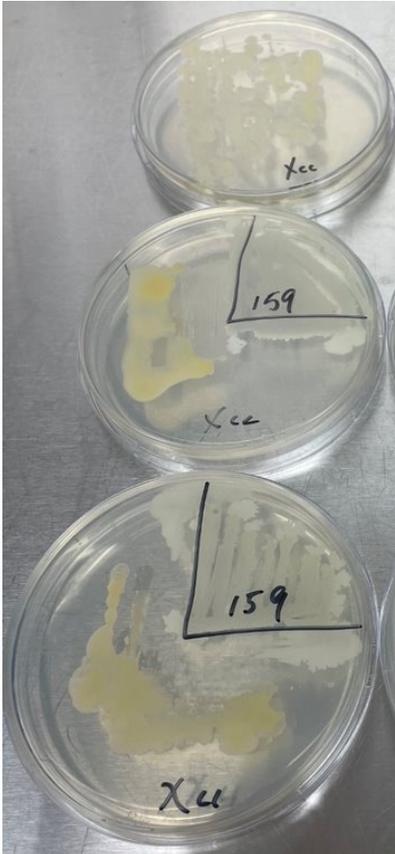
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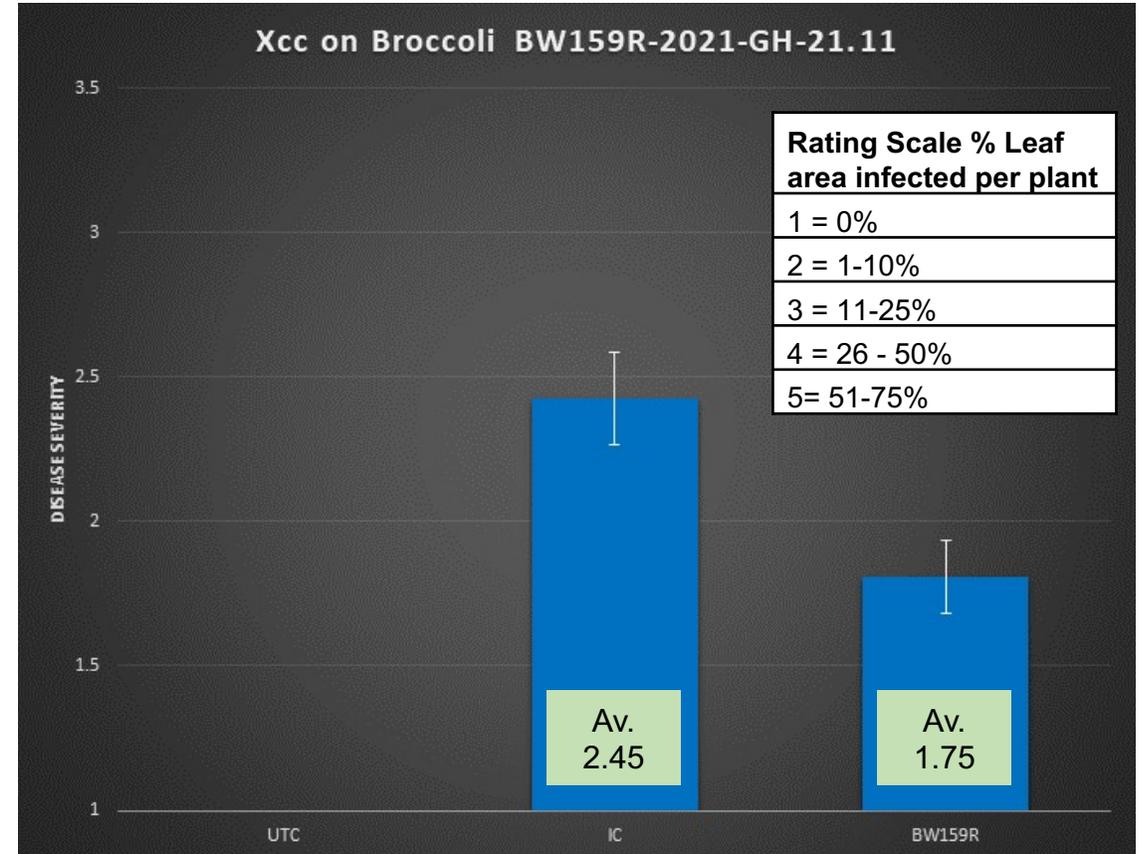
- Broad-spectrum microbial biopesticide
- Target: Plant diseases
 - Indoor and outdoor uses
 - Foliar – fungi, bacteria
 - Root diseases – fungi
- In vitro data shows activity against several key pathogens
- Trial data shows fair to excellent activity vs a range of foliar and soilborne pathogens



Example: BW159 vs *Xanthomonas campestris* pv. *campestris* (Xcc)



- BW159 inhibits growth of *Xcc in vitro*
 - Fair *in vivo* performance
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- Limited greenhouse/ field data
 - Needed to confirm:
 - key disease targets
 - field efficacy
 - application rates



IR-4 Opportunities

Project	Known activity	Data needed	Target disease(s)
Bacterial (foliar) diseases	Fair to good	Efficacy	<i>Pseudomonas, Xanthomonas, Erwinia</i> (leaf spots, ornamentals)
Botrytis	Good to very good	Efficacy	<i>B. Cinerea</i> on ornamentals and vegetables
Powdery mildew	Very good to excellent	N/A	
Non-oomycete pathogens	Limited data	Efficacy	<i>Fusarium, Rhizoctonia</i>
Phytophthora root rot	Data gap	Efficacy	<i>P. cinnamomi, P. infestans, P. cactorum, P. drechsleri, P. nicotianae</i>
Pythium	Limited data	Efficacy	<i>P. irregulare, P. ultimum, P. aphanidermatum</i>





Thank you

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