# National Screen of Biological Seed Treatments

Laura Lindsey Indiana CCA Conference December 19, 2023

> THE OHIO STATE UNIVERSITY COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

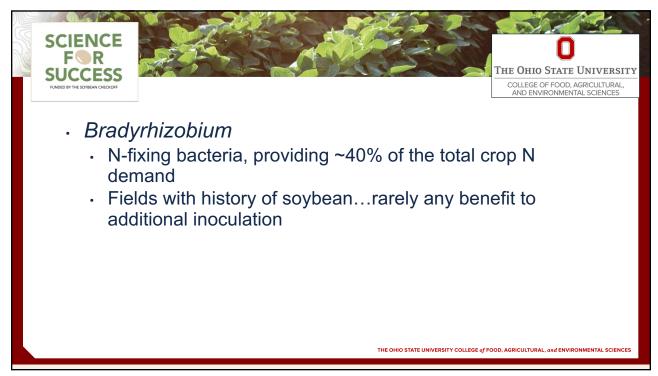


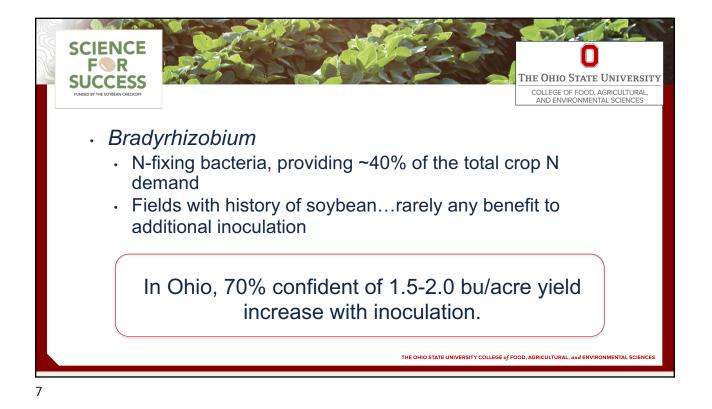


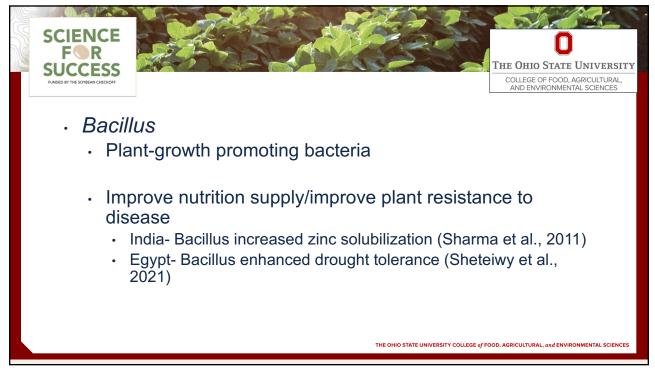


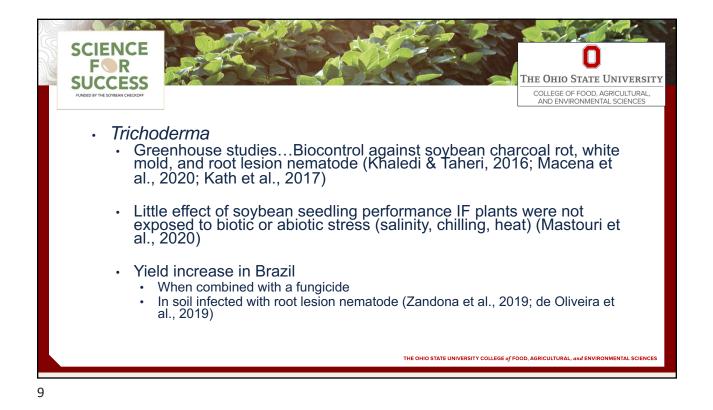


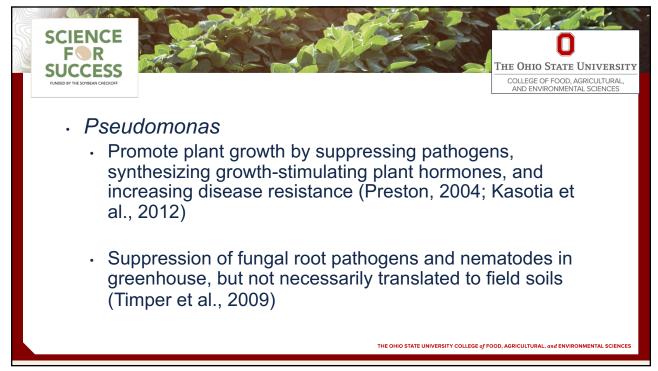


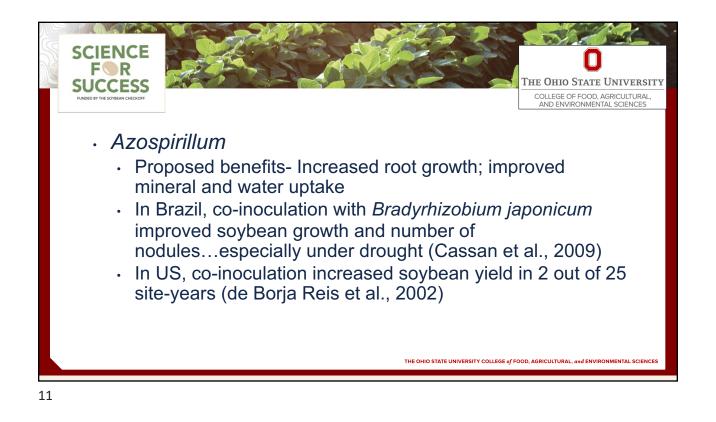


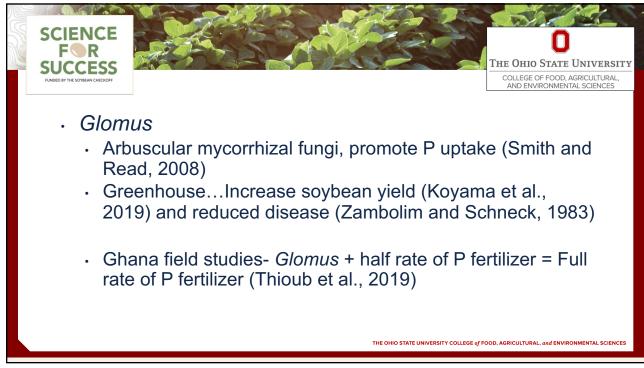


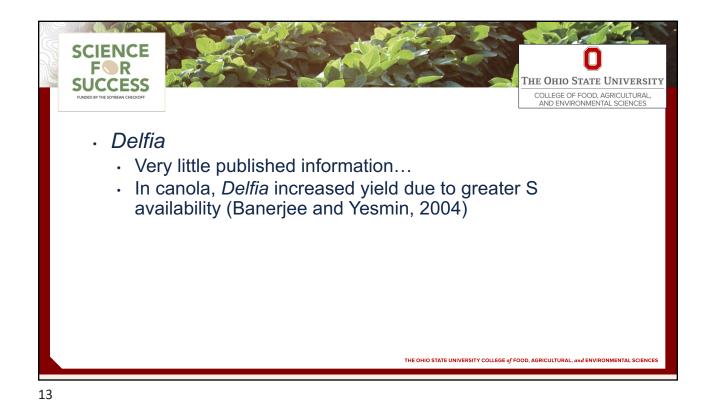




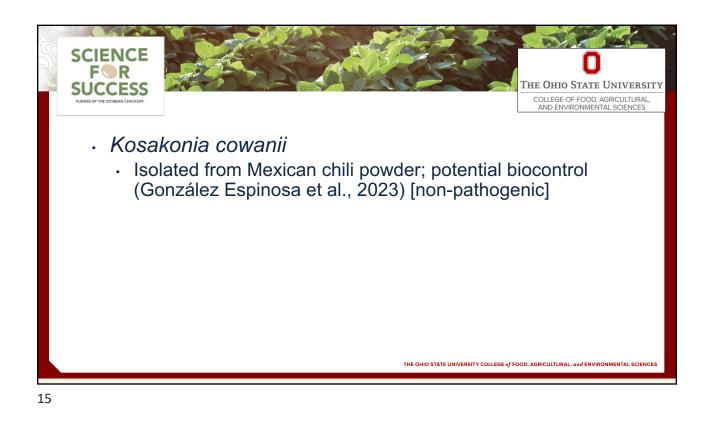


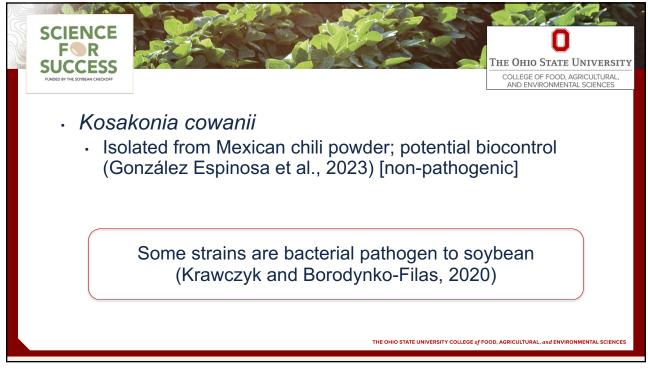






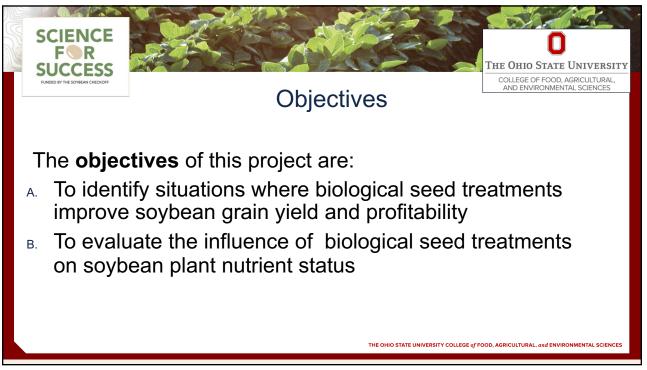


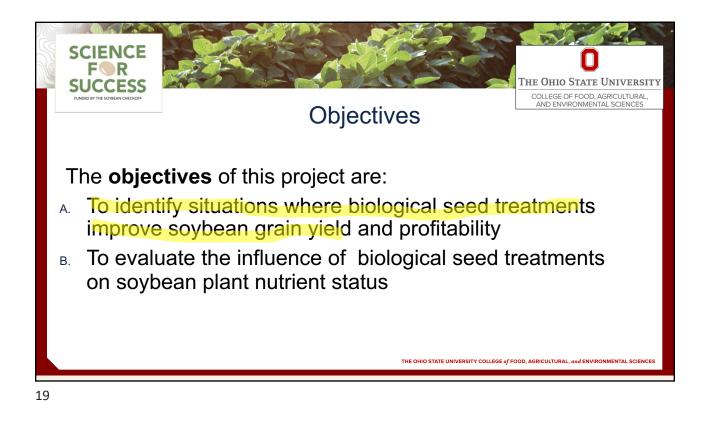


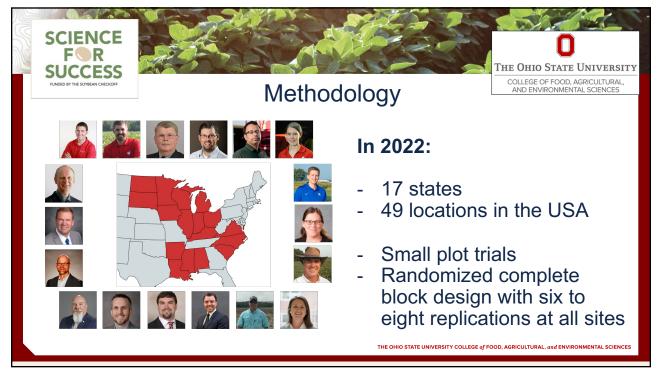








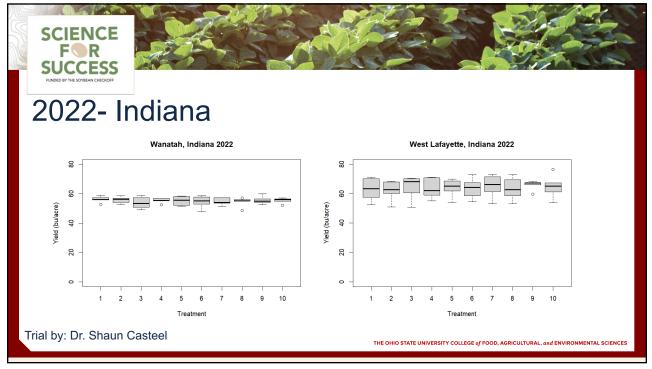


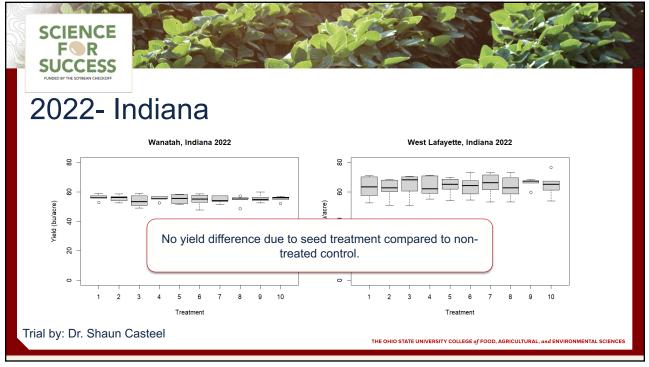


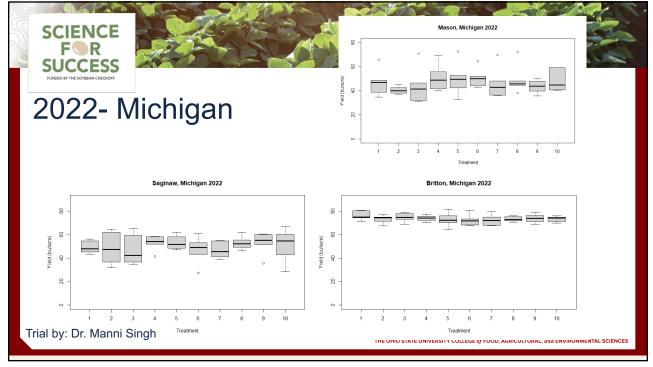


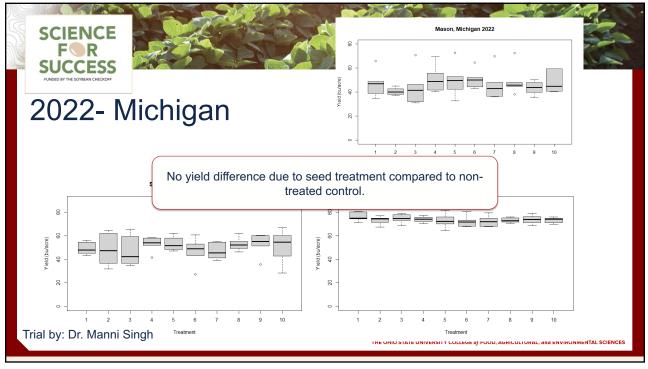


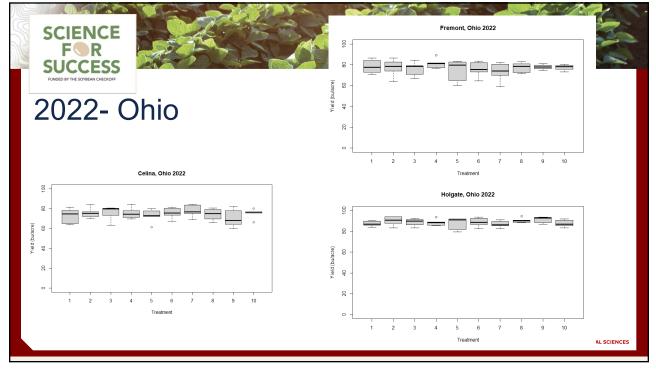
SCIENCE F R SUCCESS FURCE BY THE SOTIEMA CHECKTOF	THE OHIO STATE UNIVERS College of Food, Agricultural AND Environmental sciences	
	ents (products) and active ingredients in each biological product, 2022	
Treatment (product)	Active ingredients	
1	Azospirillum brasilense, Bacillus licheniformis, Bacillus amyloliquefaciens, Bacillus subtillis, Pseudomonas fluorescens, Rhizobium	
2	Trichoderma virens	
3	Bradyrhizobium spp.	
4	Bacillus subtillis, Bacillus amyloliquefaciens, Bradyrhizobium japonicum	
5	Pantoea agglomerans	
6	Pseudomonas brassicacearum	
7	Bradyrhizobium elkanii, Delftia acidovorans + Bacillus velezensis	
8	Bacillus velezensis	
9	Glomus intraradices, Glomus mosseae, Glomus aggregatum, Glomus etunicatum	
10	Untreated Control – seeds treated with fungicide + insecticide only	

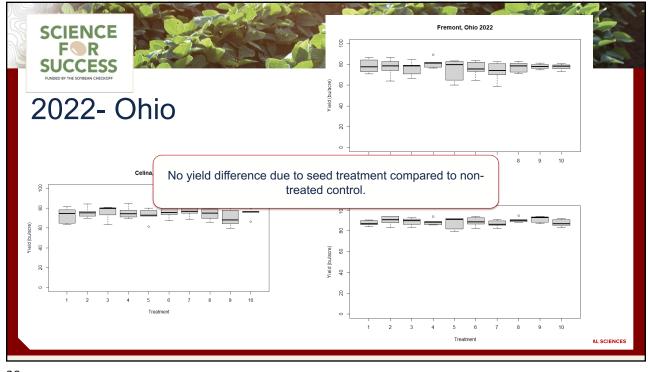


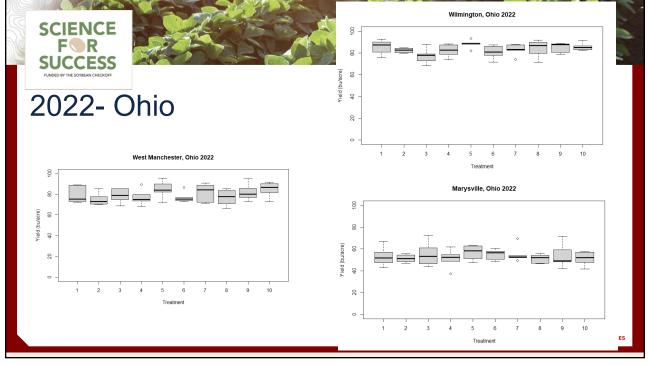


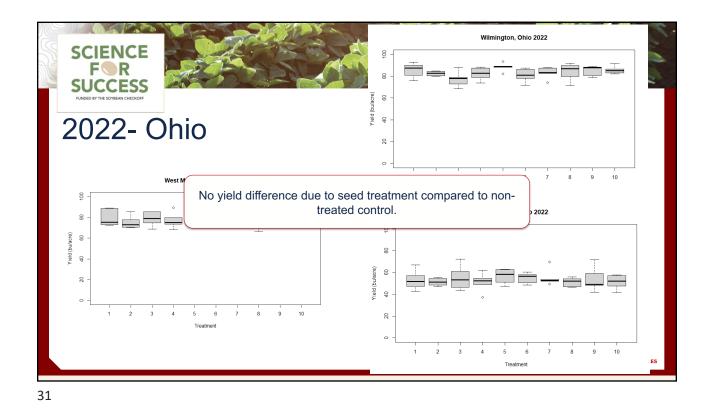


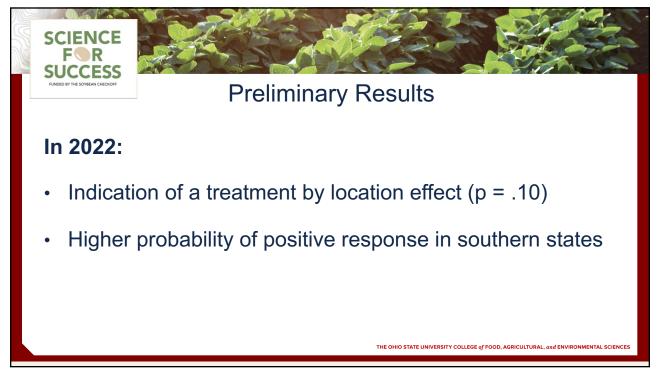


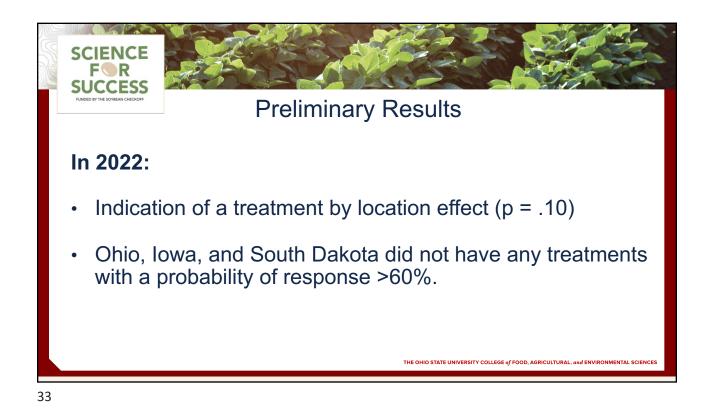


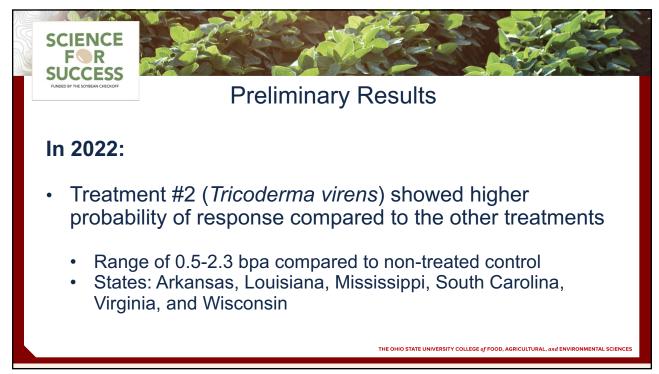


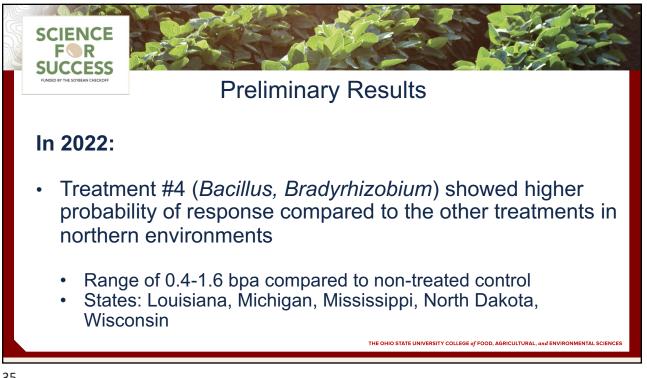








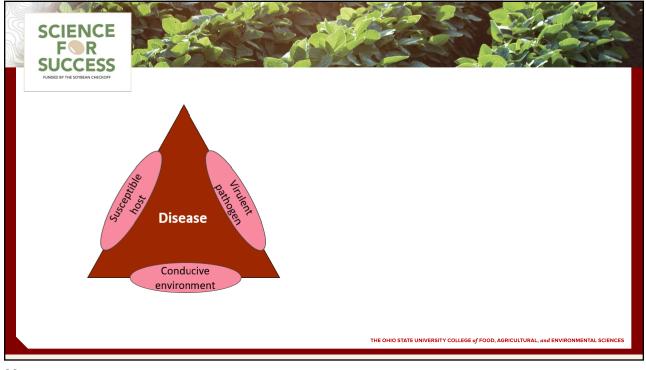


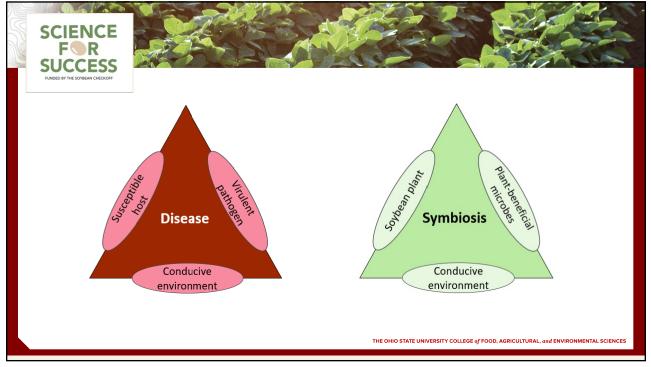


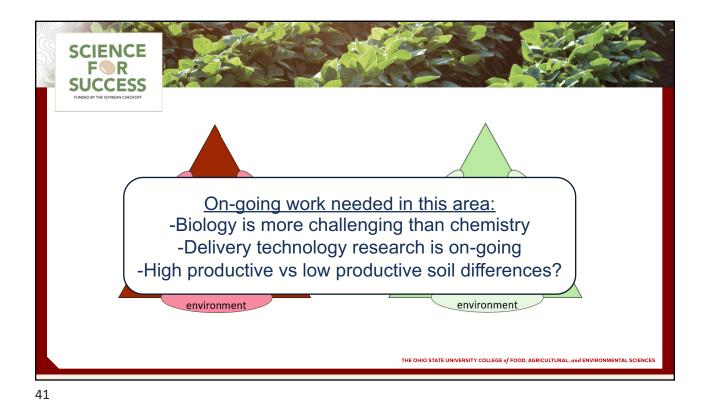
SCIENCE F R SUCCESS FURE BY THE SOFTAN CHECKTY List of treatm	ents (products) and active ingredients in each biological product, 2023
Treatment (product)	Active ingredients
1	Azospirillum brasilense, Bacillus licheniformis, Bacillus amyloliquefaciens, Bacillus subtillis, Pseudomonas fluorescens, Rhizobium
2	Kosakonia cowanii strain SYM00028
3	Bradyrhizobium spp.
4	Bacillus subtillis + Bradyrhizobium japonicum
5	Bacillus amyloliquevaciens strain PTA-4838
6	Methylobacterium hispanicum
7	Bradyrhizobium elkanii, Delftia acidovorans + Bacillus velezensis
8	Bacillus velezensis
9	Glomus intraradices, Glomus mosseae, Glomus aggregatum, Glomus etunicatum
10	Untreated Control – seeds treated with fungicide + insecticide only



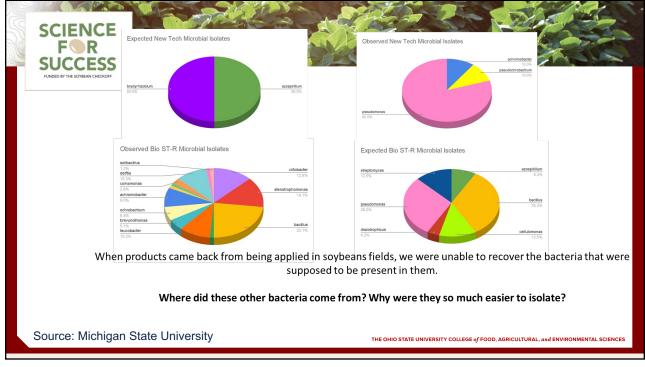




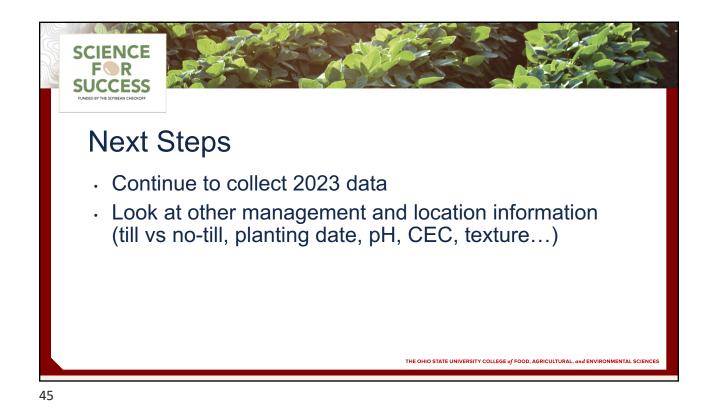




















# CFAES

# **NEW PROJECT FOR 2023**

- What should you plant first? Corn or Soybean?
- Results- Virtual Meeting- Friday, February 2, 2024
- Registration: go.osu.edu/cornsoy
  - \$10 for entire day
  - CEU credits will be available
- Subscribe to CORN newsletter to stay up to date

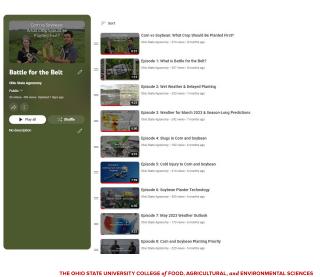


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### CFAES

# **Ohio State Agronomy YouTube Channel**

- 33 videos
- Slugs, cold injury, seedling disease, insect pests, drought response, herbicide injury, growing degree day calculations, tar spot, Palmer amaranth ID, yield estimates...



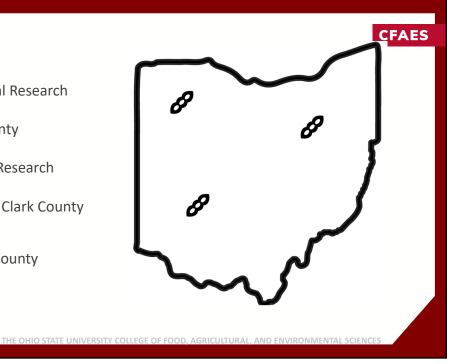


# Locations

 Northwest Agricultural Research Station
Custar, Wood County

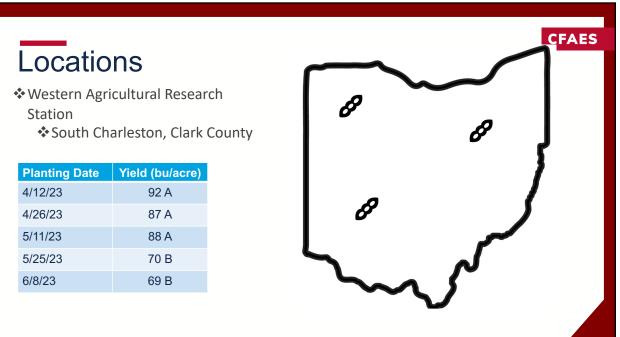
 Western Agricultural Research Station
South Charleston, Clark County

Wooster Campus
Wooster, Wayne County

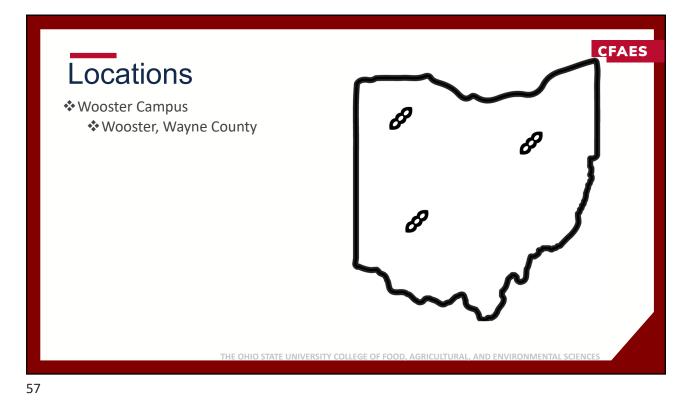




■ Custar, Wood County		
lanting ate	Yield (bu/acre)	
/12/23	85 A	
/26/23	84 A	
/11/23	81 B	
/25/23	78 B	
/8/23	71 C	



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