

# N.C. Plant Sciences Initiative

Fostering interdisciplinary, team-based research



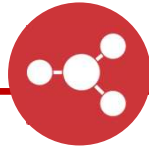
- Over 100 agricultural research programs
- Center for Excellence in Regulatory Science in Agriculture (CERSA)
- 20 industry partners
- 8 start-ups

## Opportunities for Innovation **BIOLOGICALS**

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Improved understanding of the microbiome



Ability to optimize microbial strains



Application of AI and ML in discovery



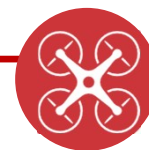
Evolution of RNAi and peptide, protein-based solutions



Formulation technology advances



Precision fermentation and cell free manufacturing



Early detection and precision application



Outreach and training