Built To Win

Agriculture’s grand challenges require the best minds from academia and industry – that’s why interdisciplinary team research is the foundation of the NC Plant Sciences Initiative.

Our North Carolina location offers a complete ecosystem for plant sciences research including 8 growing seasons, 80+ commodities and tremendous diversity in soil and climate parameters.

Proximity to the Research Triangle Park provides access to industry leaders in agbioscience research and development, and scores of prominent scientists, economists, engineers, business and marketing thought leaders from three major universities.

A Pipeline To Innovation

Our proven path to success gives partners a competitive advantage.

<table>
<thead>
<tr>
<th>DISCOVERY</th>
<th>REFINEMENT</th>
<th>TESTING</th>
<th>TRANSFER</th>
</tr>
</thead>
<tbody>
<tr>
<td>What if? That’s what drives our researchers. The unknowns are challenged here to help us find the next big thing.</td>
<td>We take a real problem and find a solution. Our basic research comes to life in a practical, attainable answer.</td>
<td>Our Extension arm puts our research into the real world. We test, gauge and report before we take it to market.</td>
<td>Partners translate our science into products, giving farmers the best solutions for our economy and quality of life.</td>
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CAPITAL COMMITMENTS:

90% ALREADY RAISED

North Carolina’s Natural Advantages
> 8 growing seasons
> 100+ commodities
> Diverse soils/climate

NC State University’s Research Leaders
> scientists
> economists
> engineers
> marketers
Collaborative Results

We are putting top tier research scientists together with engineers, economists and progressive marketers in a world-class facility designed to spark creative collisions.

The NC Plant Sciences Initiative will be an entrepreneurial hub driving the development of new solutions, new companies and new jobs.

Nearly 200,000 Square Feet of Genius

The Plant Sciences Research Complex will be the envy of any competing organization, both here and overseas. This premier facility will include:

- 104,500 gsf Research Labs
- 43,000 gsf Office Space
- 19,000 gsf BSL-2 and BSL-3 Grade Rooftop Greenhouses
- 18,000 gsf Corporate Labs and Offices
- 4,000 gsf Collaborative Atrium Space
- 5,000 gsf Shared Flexible Conference Space

KEY RESEARCH AREAS

- Plant improvement
- Data-driven agbioscience
- Resilient agricultural systems

DISCOVERY & INNOVATION

- **Plant Improvement**
  - Crop Stress Protection/Adaptation
  - Microbiomes
- **Data-driven Agbioscience**
  - Predictive Agriculture
  - Field Data
  - Precision Agriculture
- **Resilient Agricultural Systems**
  - Food and Plant Systems
  - Environmental Sustainability

The NC Plant Sciences Institute Will Focus on Solving these Grand Challenges

- disease
- drought
- nutrition
- breeding