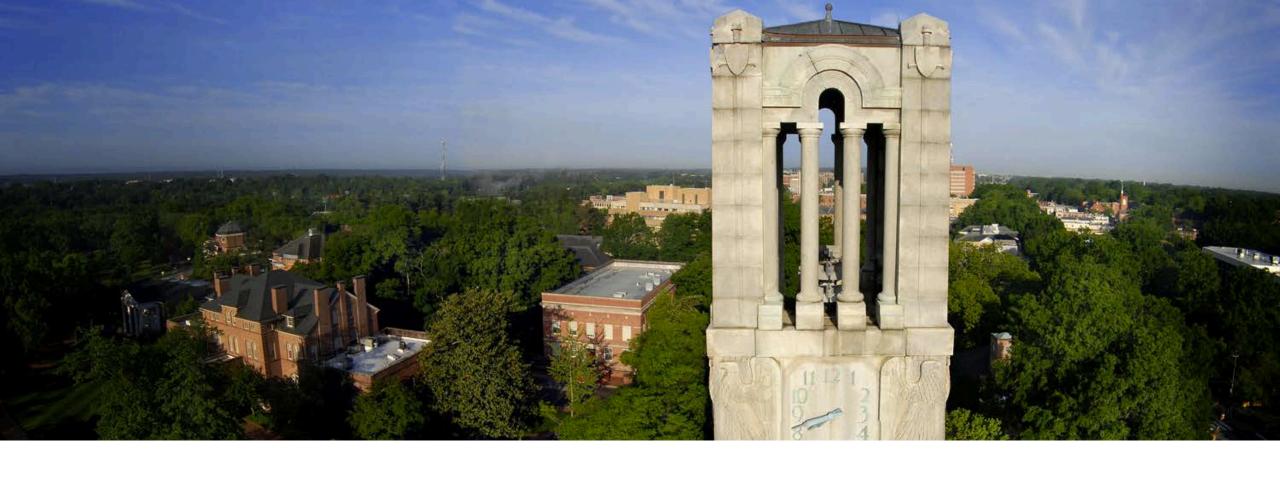


# 2018 Workshop on Innovation and Regulation in Agriculture

Co-organized by NC State Center of Excellence for Regulatory Science in Agriculture (CERSA) and Bayer

Dr. Danesha Seth Carley, Director CERSA



## NC STATE THINK AND DO THE EXTRAORDINARY

GLOBAL POPULATION GROWTH<sup>4</sup> 7B 9B 2050

AGRICULTURAL PRODUCTION NEEDS TO INCREASE<sup>4</sup>

70% 2050

TODAY'S CROP PRODUCTION ALLOCATION

62% HUMAN FOOD 35% ANIMAL FEED

3%
BIOENERGY CROPS,
SEED & OTHER
INDUSTRIAL PRODUCTS

<sup>&</sup>lt;sup>4</sup> FAO Expert Meeting on How to Feed the World in 2050; 2009

<sup>&</sup>lt;sup>5</sup> Institute on the Environment, University of Minnesota



## NC STATE THINK AND DO THE EXTRAORDINARY

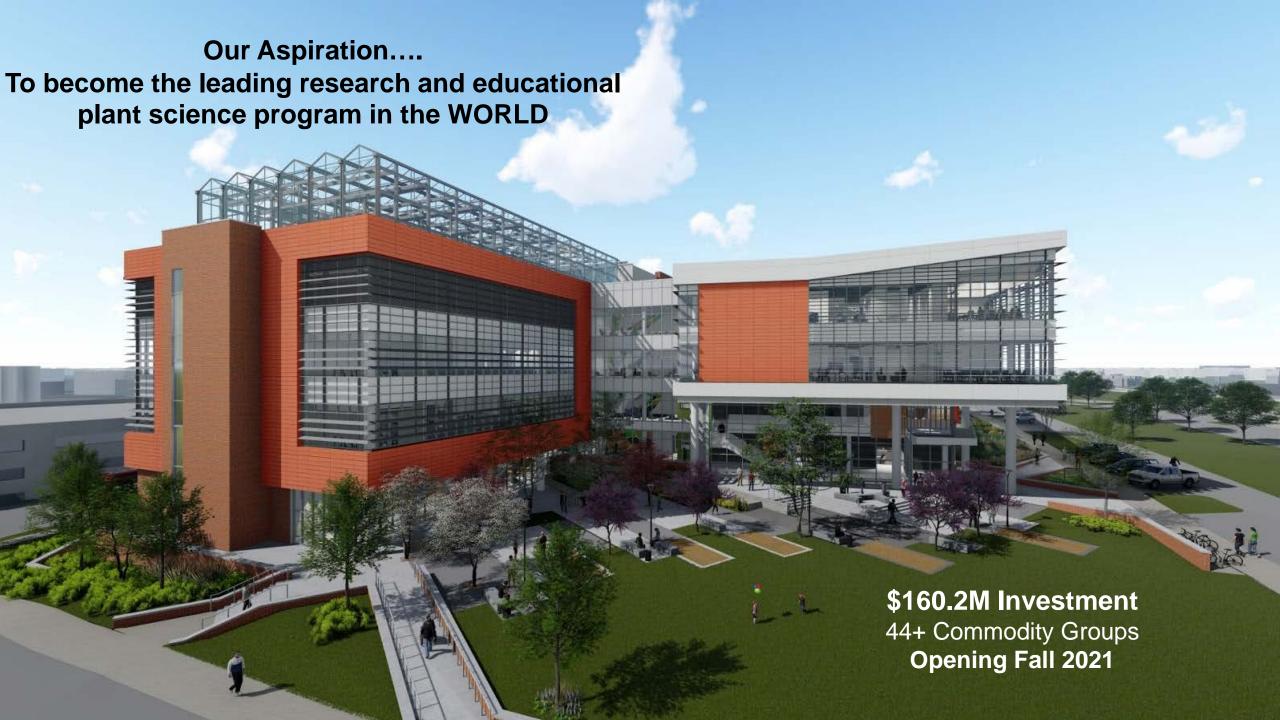
**North Carolina Plant Sciences Initiative** 

#### NC Plant Sciences: Mission



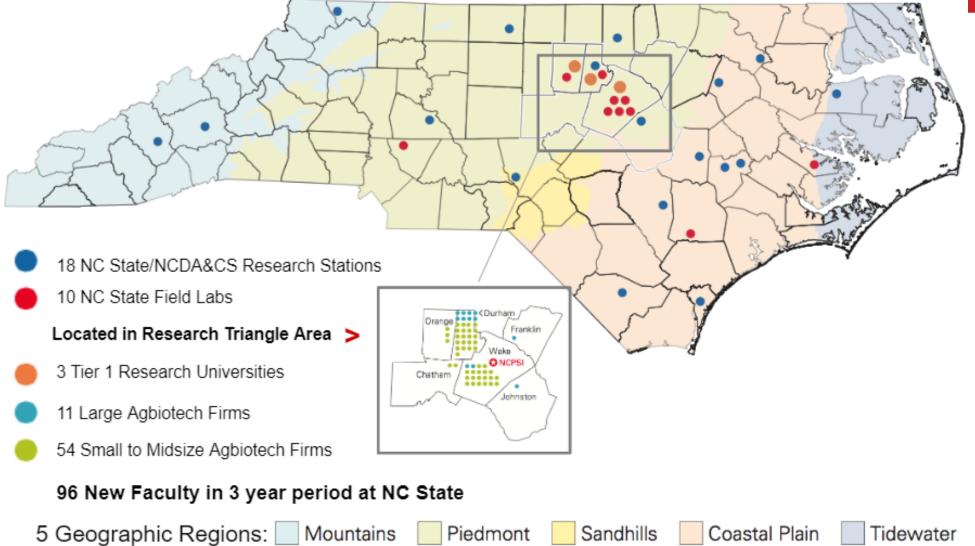
The Mission of the Plant Sciences Initiative is to accelerate the discovery, education, innovation and outreach. We will accomplish this by forming interdisciplinary teams and collaborate with our stakeholders to bring solutions and new knowledge for plant systems needed to promote the well-being of mankind.





#### Why Here?





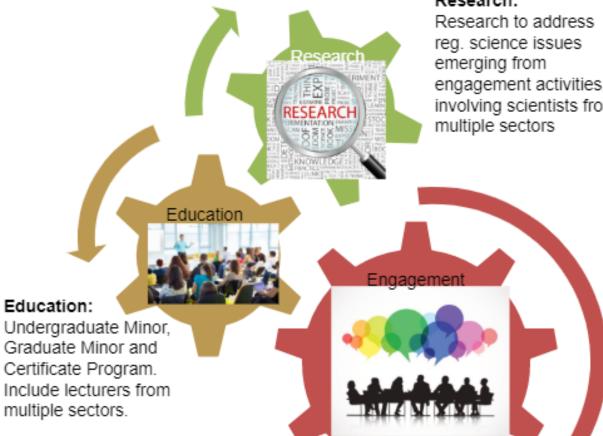
Nation's third most diverse agricultural economy - \$87B Annually 90+ Crops & Animal Agriculture

### NC State and LSU: Center of Excellence for Regulatory Science in Agriculture (CERSA)



#### VISION:

NC State University will partner with a consortium of Universities and organizations to advance Regulatory Science in the US and the world.



#### Research:

engagement activities, involving scientists from

#### Engagement:

Forum for bringing together stakeholders including growers, engaging on emerging issues in regulatory science

#### **Goals of the Center**



- Raise awareness of regulatory challenges;
- Increase cooperation and collaboration among stakeholders;
- Address important challenges in an unbiased manor;
- Educate the next generation of regulatory scientists



## Coming in 2019



- CERSA will hold first Board of Advisers Meeting in March 2019
  - ✓ Accepting nominations for Board members
- New Certificate Program for Regulatory Science in Agriculture (available via Distance Education) Fall 2019
- Launch a new Summer Internship Program for students (pending funding)
  - ✓ Seeking industry, NGO, state, and federal partners to host summer interns
- Planning for 2019 Innovation and Regulation in Agriculture Workshop