



# Fact Sheet

## Advanced Crop Lab at Syngenta RTP Innovation Center

Syngenta is one of the world's leading companies with more than 27,000 employees in over 90 countries dedicated to our purpose: Bringing plant potential to life. Through world-class science, global reach and commitment to our customers we help to increase crop productivity, protect the environment and improve health and quality of life.

### Syngenta in North Carolina

Syngenta, in Research Triangle Park, N.C., is a global center of biotechnology research and development. Syngenta researchers use a combination of science and cutting-edge technology to develop innovative solutions that give growers confidence to grow more from less and meet the needs of a growing population.

- Research focused on crops such as corn, soybeans, sugar cane, rice, cereals (wheat), vegetables and sunflowers
- Established in 1984 on Cornwallis Road as the first agricultural biotechnology company in RTP
- More than 1,100 employees in North Carolina
  - 400 in RTP
  - 700 in Greensboro
- Local partnerships with Durham Chamber of Commerce, Durham Exchange Club Industries, Food Bank of Central and Eastern North Carolina, North Carolina Biotechnology Center, North Carolina Museum of History and United Way of the Greater Triangle, to name a few

## Advanced Crop Lab First of its Kind

- Enables greater productivity
  - An entire acre under glass
  - Allows for multiple crop studies from multiple regions -- simultaneously
  - Designed and positioned to receive optimal sunlight
  - More than 40 growth environments
  - Fertigation system combines water and nutrition, for an infinite number of recipes
- Simulates agricultural climates
  - Accelerates research and discovery process to pinpoint global farmers' needs
  - Researchers simulate climates from Africa to Iowa to Brazil
- Built for precision to enhance plant performance
  - Individual room controls of temperature, light and carbon dioxide
  - Around the clock monitoring
  - Built-in metrics and reporting for individual trials

## Built with Sustainability in Mind

- Green Globes Certified
  - Recognized with 3 Green Globes (out of 4 possible) by the Green Globes Council for sustainable building achievements
    - Equivalent to a Gold LEED certification
    - Major accomplishment for an air-conditioned glass house
- Highlights
  - Approximately 136,000 square feet
  - All vertical and horizontal structures made of glass instead of acrylic
  - Lighting mimics the total spectrum of natural light
  - Virtually shadowless environment providing 92 percent light transmission
- Reclaimed industrial site
  - 50-acre campus
  - More than 80 percent of all construction materials were recycled
  - All hardwood trees preserved

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