



Plant Biotechnology in North Carolina's Northeast

- Attracting world-class agri-biotech companies to develop, grow, and process crops in Northeastern North Carolina.
- Botanical extraction services
- Using plants to produce nutritional supplements or functional foods
- Applied science—taking GMO and other crops from lab to farm
- Biomass for biofuels
- Screening plants and microbes for active compounds to treat disease states



***NC-NAAB**, North Carolina's Northeast Alliance for Agricultural Biotechnology, is establishing world-class collaboration in plant-made opportunities. Eastern NC has the land and technical resources to create a working opportunity for commercialization of crops and plant products. This network of university research, agri-business, agriculture, and business development resources serves to foster plant-made development, remain on the cutting edge of plant-made technology, and establish a new economic niche for North Carolina's Northeast Region.*

Your plant biotech partnership begins here.

For business expansion and location information, contact:

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Unique Assets

- **Research and Development**
 - Applied agricultural research at the Vernon James Research and Extension Center
 - University research assets at NC State University, East Carolina University, Elizabeth City State University
 - Ongoing research in crop production and mechanization, bioprocessing, microbiology, textiles, biofuels, environmental engineering, textiles, and forestry
 - Wet lab space (autoclave, fume hood, benches, storage)
 - Cooperative development of lab space in existing facility
 - Technical expertise to move quickly from a lab concept to commercialization of plant-made products
- **Business Environment**
 - Pro-biotech communities and farmers
 - A can-do attitude throughout the region
 - Proprietary patents protected for the investor
 - Bioscience Business and Support Companies
 - AVOCA, experts in botanical extraction
 - Ventria, producing pharmaceutical protein from rice
 - Quintiles, Inc.
- **Education and Training**
 - Community College Biotech programs
 - ECU—1st Master's degree in biotech in NC
 - BTEC (Biotech Training Education Center) at NCSU
 - Biofuels Pilot Plant Facility at NCSU
 - Training and education programs in place for bioprocessing skills
- **Agricultural Land Resources**
 - High tech farming operations using GPS, no-till and specified chemical applications
 - Fertile farmland
 - Blackland Farm Managers Association, farm network for communication and education
 - Favorable growing climate



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