

Objective: An urban agronomist for the Dickinson Research Center

Why an urban agronomist:

- To apply the principles of agronomy to the unique environment of urban settings within city limits to access fresh food and create community green spaces.

What does an urban agronomist do?

- Conduct comprehensive soil and site assessments, then design and implement tailored urban growing systems—container gardens, raised beds, vertical farms, rain gardens—to establish safe, productive green spaces that maximize local fresh-food yields.
- Develop and lead community outreach, training workshops, and extension services on crop selection, fertility management, integrated pest control, and resource-efficient practices, empowering residents and informing city policies for sustainable urban agriculture.

Site Design & Installation

- Brings soil and plant science to cities, such as container gardens. This includes wick gardens, raised beds, square-foot gardens, and community gardens.
- Rainwater harvesting

Economic and Environmental Impact

- Contribute to local economic development by providing fresh, locally sourced produce.
- Gardens can reduce grocery bills

Community Training & Outreach to Educate

- Education for people on lawn care, i.e., when and what to spray and what not to spray so as not to injure gardens.
- Demonstration days at the Research Center to show gardens and interact with the community

The Dickinson Research Center is ideal for an urban agronomist. The Research Center is located in Dickinson, which allows gardeners to observe different methods of gardening.