



Southern University Ag Work Based Learning Pilot

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Pilot Partnership Program

Southern
University
CAHES

Southern
University
AG Center
SARDI

St. Landry
Parish
School Board

LDOE



Plan of Action



Competency-Based Model

Progress at their own pace
Demonstrate skills and competencies to advance



Recruit 6 students

2-OHS
2-Northwest
2-MACA



Incorporate them into SARDI Activities

Pathway to Certification- Competency Based

- Students will demonstrate mastery in:
 - 26.55hrs of classroom instruction
 - Crop and Livestock Management
 - Sustainable Agriculture Practices
 - Communication
 - Community Engagement



The Sustainable Agriculture & Rural Development Institute (SARDI)

Antonio Harris - Director of SARDI



Located in Opelousas, La., is the satellite campus of the Southern University Ag Center..



Developed to introduce a sustainable approach to agriculture as a component of cooperative extension at the Southern University Ag Center.



Designed to show producers of Southwest La. how an ecosystem of plants and animals could coexist in one setting.



Focuses on improving the socioeconomic well-being of citizens in rural communities within a ten-parish region of St. Landry, Acadia, Allen, Avoyelles, Beauregard, Evangeline, Lafayette, Pointe Coupee, St. Martin, and Vermillion Parishes.

SARDI Objectives

- Provide leadership that assures focused, applied rural development research and community outreach.
- Increase awareness and understanding of rural development conditions, issues strategies and policies
- Provide rural community stakeholders and policy makers with information necessary for public policy decision-making.
- Recruit students to attend Southern University and A&M College with a concentration in CAHES.



Biodiversity in Agriculture: High Wind Tunnel



High Wind Tunnel Modules

Biodiversity in Agriculture: High Wind Tunnel

High Tunnel Construction

High Tunnel Crop Choices

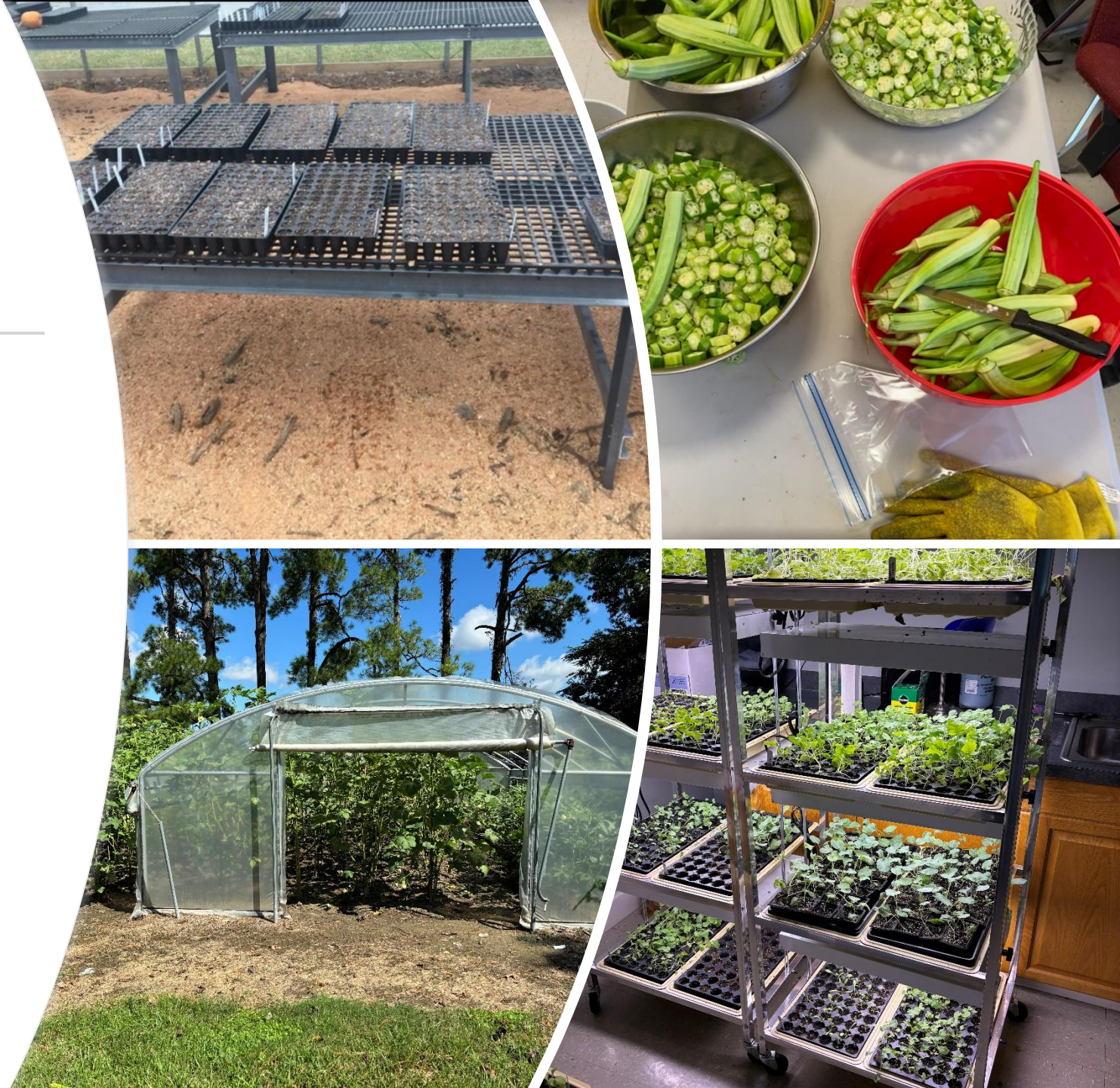
High Tunnel Crop Planting Calendar

Soil Health Management Strategies and Soil Preparation in High Tunnels

Management and Maintenance of High Tunnels



Biodiversity in Agriculture: High Wind Tunnel Cont'd



Gardening Modules

Introduction to Gardening

All About Planting

Time to Plant

Garden Maintenance



Gardening Program

The goal of the SARDI Youth Gardening Program is to promote healthy eating habits and to provide educational support to the youth that we serve regarding basic agriculture and gardening practices. SARDI sponsors and provides agricultural support to numerous community partners that range from schools to youth non-profit organizations.



Gardening Program

SARDI provides assistance to community garden leaders and home gardeners to create spaces where vegetables, fruit and herbs can be grown for human consumption especially in areas where grocery stores are limited.

These gardens are established between SARDI and community agencies, non-profit organizations, churches, municipalities, neighborhood associations, and private landowners.

By providing educational opportunities, the program makes fresh produce more accessible, promotes healthy lifestyles, beautifies deplorable neighborhood spaces, and aids in cleaning up the environment.



Hydroponics Modules

Soilless Growing Systems

Introduction to Soilless Growing Systems

Connection to Agriculture

Types of Soilless Growing Systems

Water and Air Capacity

Plant Nutrition

Plant Nutrition and Soil Management



Drone Certification Modules

CrossFlight Sky Solutions Curriculum

- Pathway to Certification
- Drone Theory & Aeronautical
- Regulations & Operating Rules
- Airspace & Operating Rules



Drone Certification Program

- Aviation Weather, Effects & Sources
- Emergency Flight Procedures
- Crew Resource Management (CRM)
- Radio Communications
- Airport Operations



They initially had a video of the drone here,
but it's too big of a file to download.

WBL: Classroom Requirements

26.55 hours of classroom instruction are required

- Intern teacher will use:
 - Pathful:
 - Tailor student's experiences for job opportunities
 - Refining application, interview, and onboarding
 - ICEV and/or EverFi:
 - teach financial literacy skills including reading and understanding pay stubs, taxes, and deductions.
 - FTH Dimensions:
 - assist with problem solving strategies & engaging with co-workers
 - Kuder career assessment:
 - identify students career interests
 - introduce students to career opportunities



Activities for the WBL -Pilot

- Conducting Farm Visits and assessments
- Participating in Agricultural Demonstrations
- Developing Educational Materials
- Supporting Rural Community Outreach Programs
- Evaluating the Impact of Extension Programs.



Thank You!

