



Community Collaborations with Extension Before, During, and After Major Weather Events

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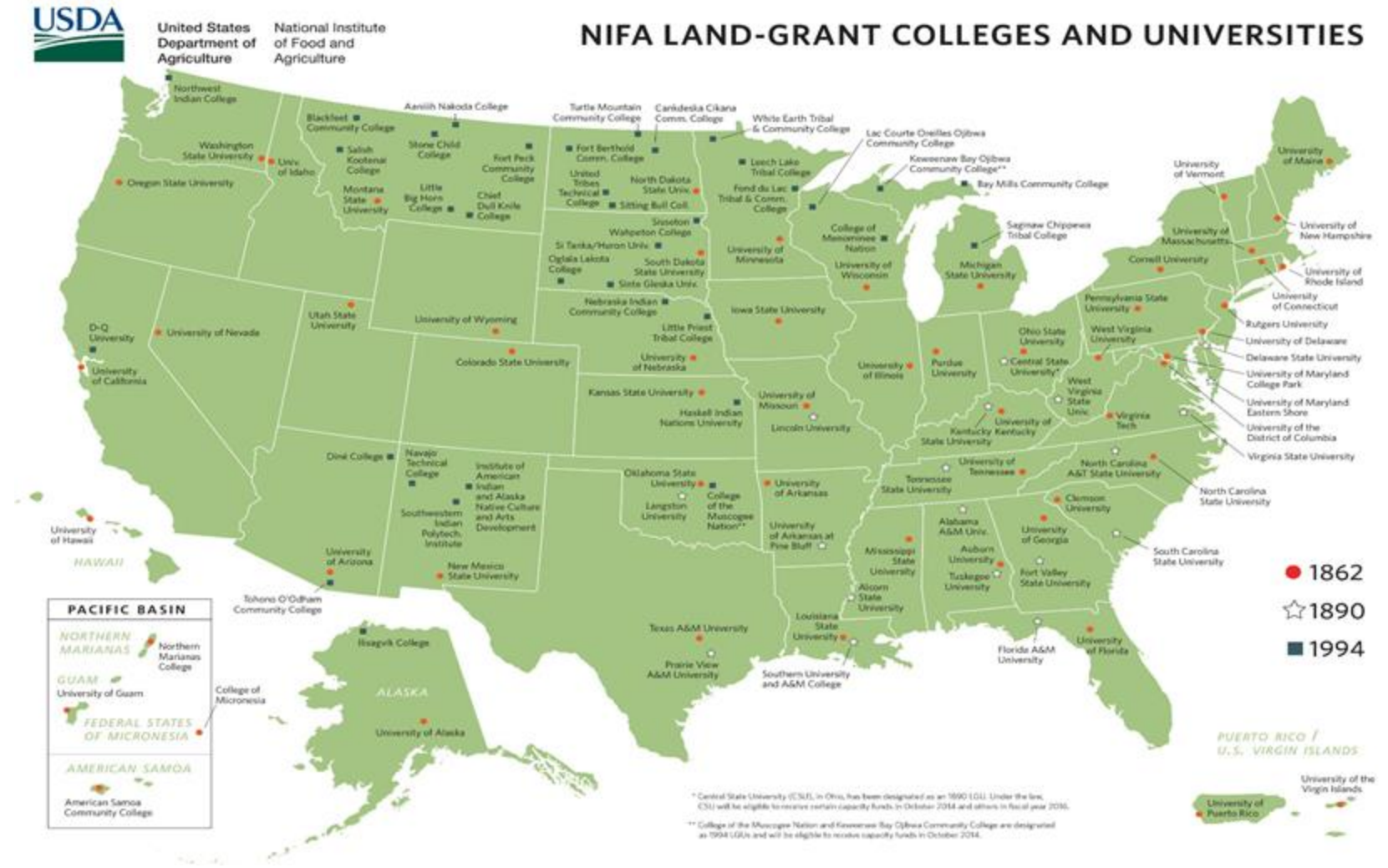


**EXTENSION DISASTER
EDUCATION NETWORK**

What is EDEN?

**Extension Disaster
Education Network**

A collaborative multi-state effort by Cooperate Extension Services across the country to improve the delivery of services to citizens affected by disaster. Over 300 delegates representing 77 Extension systems.



Florida EDEN



Collaborative effort across Extension offices in all 67 counties

- 3 Points of Contact (POC)
 - 1 overall (Lindsey)
 - 1 from FAMU (Davis)
 - 1 representing FL Sea Grant (Patterson)
- Over 20 delegates with representatives from all over the state

Our Work

- Align with national mission to reduce the impact of disasters through research-based education
- Work with all 67 counties on programs, education, & tools involved at all levels of disaster management - preparedness, mitigation, response, & recovery

Role of Extension in Disasters

- At each level of hazard 4-Phase Model
 - Mitigation
 - Preparedness
 - Response
 - Recovery
- First Responders
- “Information First Responders”
- Long-term recovery



Work in Mitigation & Preparation



Combining research, current Extension programs, & recent experience with Hurricanes Irma (2017), Michael (2018), & Hurricane Ian (2022)



Work in Mitigation & Preparation

Year-long programs in communities for preparedness

Development of materials that can be distributed post storm

Works with partners to gather supplies to have ready to take to impacted areas

Development of education pieces needed to help communities prepare

Working with local, state, & federal partners

Work in Response

- Serve in their county Emergency Operations Centers (EOCs) before, during, & after disasters
- Work in shelters
- Work with partners to provide water, ready-to-eat perishable meals, ice, feed, and hard-to-get resources
- Work with state emergency management teams
- Agents in impacted areas visit farms & other sites to assess damages and help with clean-up
 - Dr. Christa Court has developed a survey instrument to assess damages quickly to determine the economic impacts of disasters



Work in Recovery

- Provided information on federal, state, & local assistance programs
- Provided industry stakeholder resources, donation & pick-up locations, recovery centers
- Faculty & staff arranged clean-ups of gardens & landscapes



Work in Recovery

- Pushed information from partners, local, state, & federal agencies to Extension offices for distribution within communities:
 - Florida Wildlife Commission
 - Department of Health
 - Volunteer Florida
 - Florida Small Business Emergency Bridge Loans
 - Visit Florida
 - Florida Department of Economic Opportunity
 - Division of Emergency Management
 - FDACS

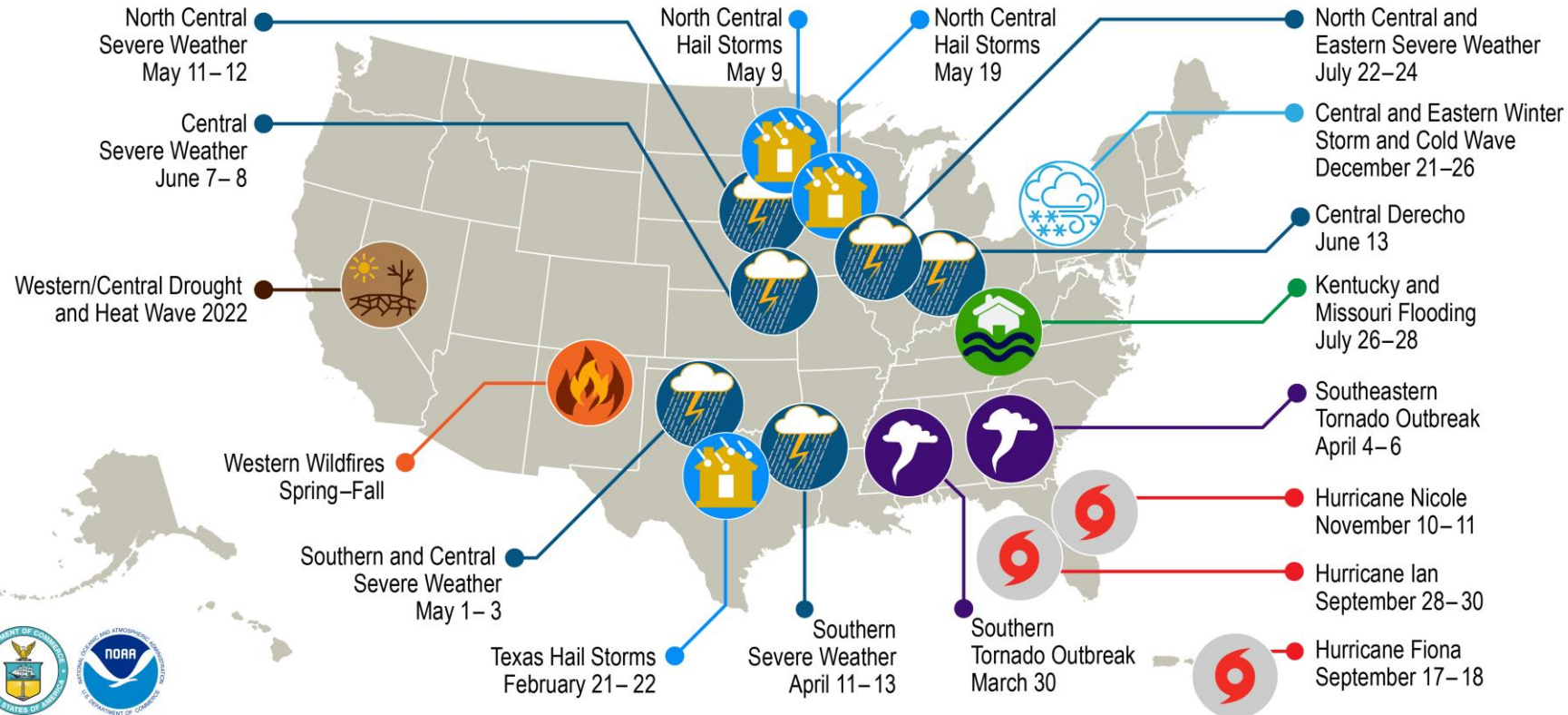


Disaster Impacts

Multi-faceted & Multi-levelled

U.S. 2022 Billion-Dollar Weather and Climate Disasters

- Drought/Heat Wave
- Flooding
- Hail
- Hurricane
- Severe Weather
- Tornado Outbreak
- Wildfire
- Winter Storm/Cold Wave



This map denotes the approximate location for each of the 18 separate billion-dollar weather and climate disasters that impacted the United States in 2022.

Individual

Family

Community

Economic

Social

Mental

Environment

Agriculture & Food Security

Infrastructure

Housing

Many more ...

Social/Mental Impacts



Symptoms can include:

PTSD

Acute Stress Disorder

Trouble sleeping

Worry

Fear

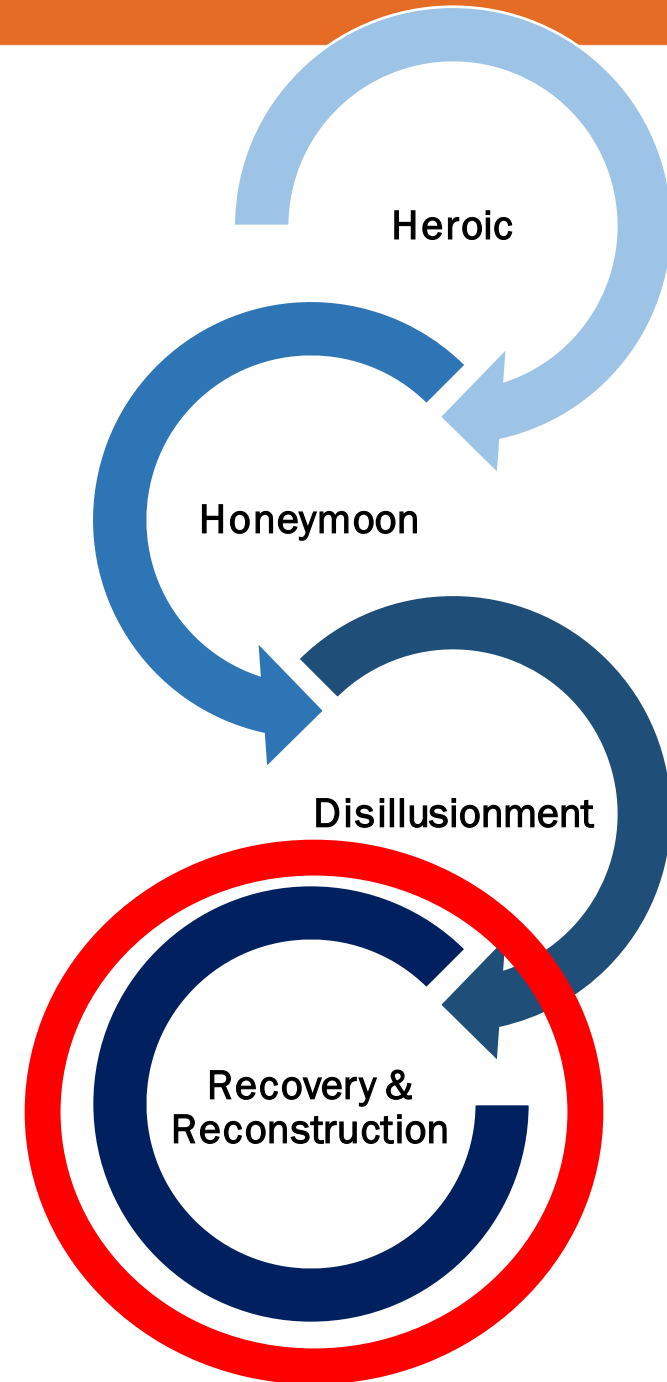
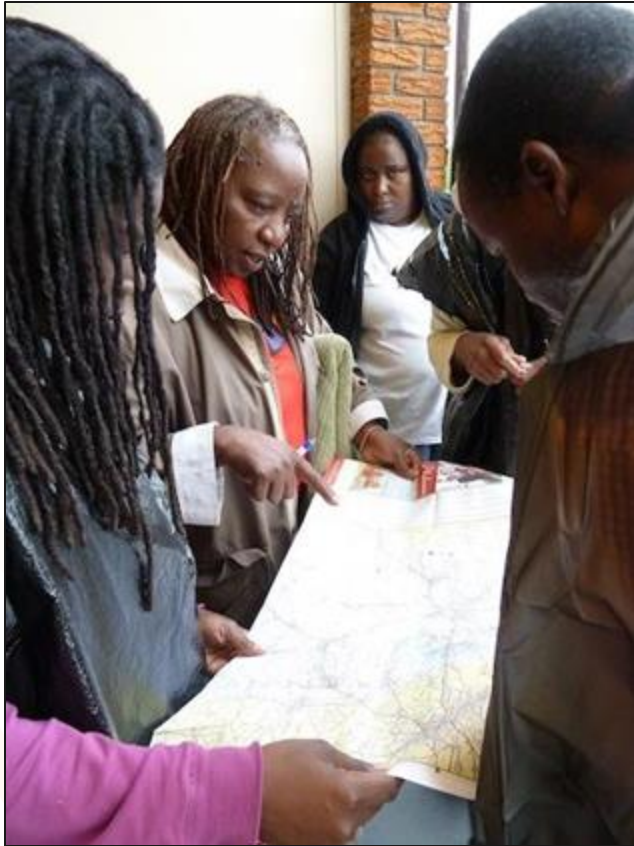
Sadness

Increased use of tobacco
and alcohol

Stress on relationships

Community Response

4 Response Phases



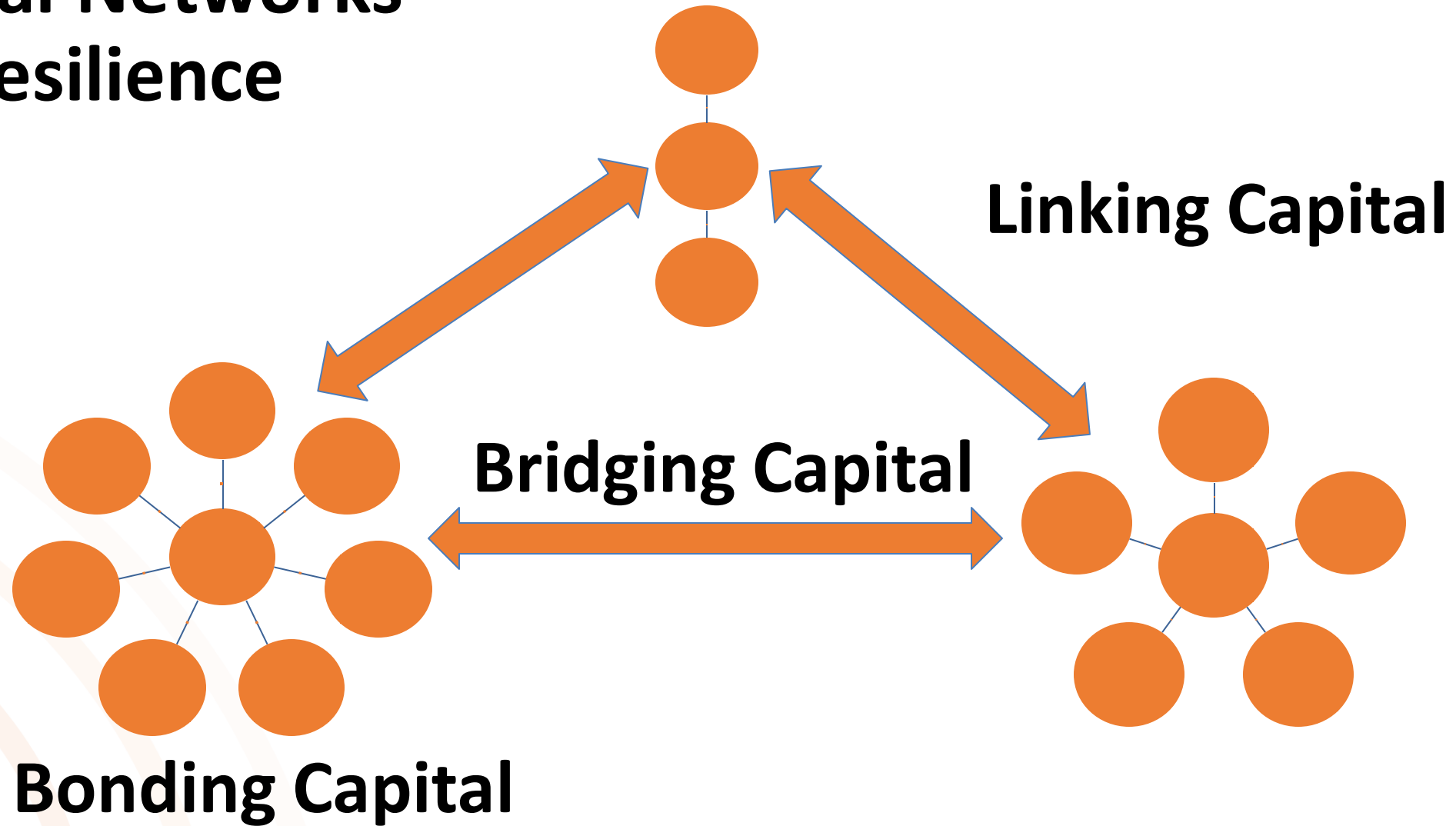
Community Resilience

A process of linking a network of adaptive capacities to adaptation after a disturbance or adversity.

Four Primary Sets of Adaptive Capacities



Social Networks of Resilience



Past Recovery Grant Programs

- Art
 - Pottery classes
 - Art Events
- Community Greening
 - Community forestry
 - Master Naturalist
 - Community Gardens
- Partnership with other youth organizations
- Youth Programming
 - Extension 4H Development
 - Community Restoration Work
 - YouthCorp Programs
 - Conservation Corps



Grant Support for Hurricane Ian

USDA/NIFA Rapid Response grants submitted:

- Mental Health of Most Heavily Impacted Agricultural Communities (Under Review & Resubmission)
- Working with SCCAHS, FL EDEN, Economic Impact Analysis Program, Mental Health Professionals, & Extension in impacted areas
- Identifying communities in most economically impacted areas
- Using PhotoVoice Methodology to determine mental health needs and gaps while these communities work through recovery
- Community members provide photos of what recovery looks like
- Utilizing our partnerships (linking capital) to meet those needs/gaps through outreach efforts



Whole Community





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