

Understanding Farmer Climate Adaptations for Agroecosystem Resilience

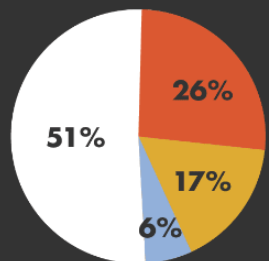
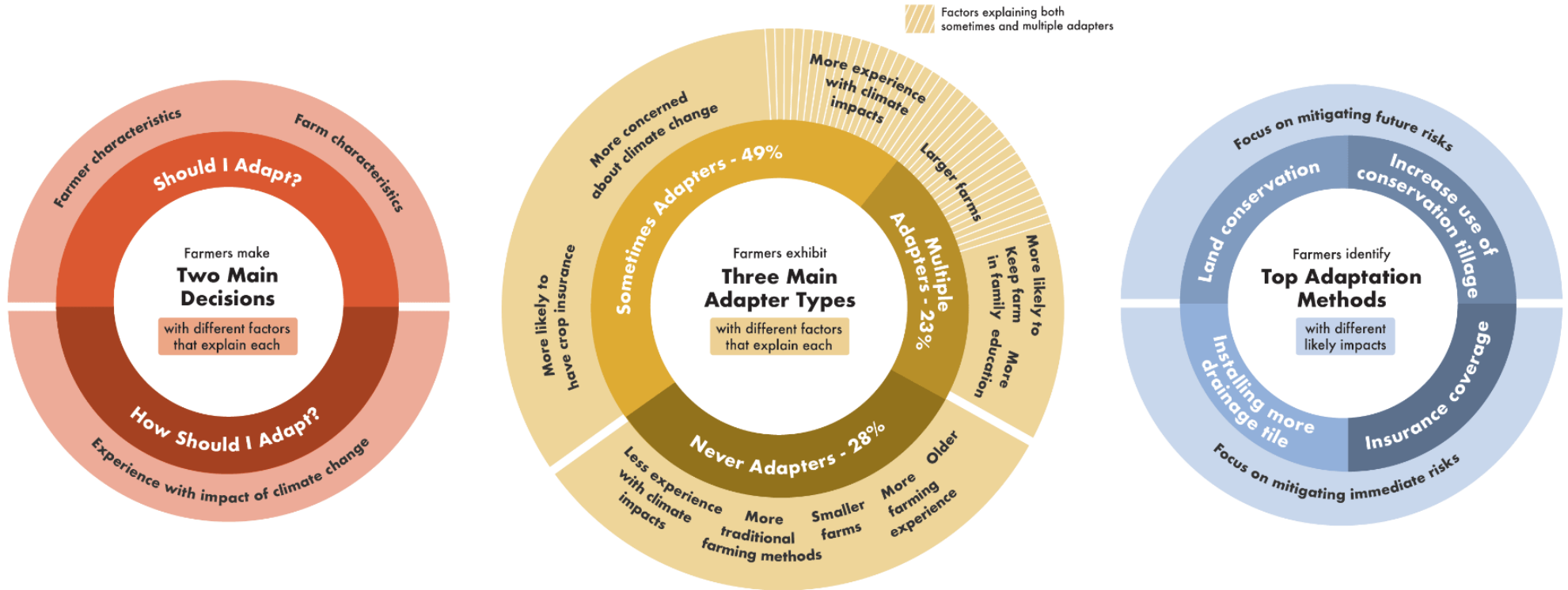
THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

The project goals are to

- Support farmer adaptation to a changing climate
- Maintain agricultural production while protecting other critical ecosystem services

We conducted a survey of farmers to understand

- How they are adapting
- How they will adapt in the future
- What farm and farmer characteristics explain adaptation



What do farmers think about climate change?

- The climate is changing, and is mostly caused by natural changes in the environment
- The climate is changing, and is mostly caused by human activities
- Unsure
- The climate is not changing

Takeaways

Role of climate change experience:

- Farmers experiencing direct, negative climate impacts are more likely to adapt
- Adaptation will increase as climate impacts become more common
- Communication should focus on connecting experiences with increasingly common climate impacts

Role of farm size:

- Larger farms are more likely to adapt
- Adaptation will increase as overall farm size increases
- Policy should target small farms with less capacity

u.osu.edu/agroecosystemresilience/