

Station Overview:

NH Agricultural Experiment Station



**NH Agricultural
Experiment Station**

45

Active Research Projects
by World-class Scientists

38

Scientists in Training
and Post-doctoral Fellows

Research-Supporting Facilities

Fairchild Dairy Research Farm
Organic Dairy Research Farm
Woodman Horticultural Research Farm
Kingman Research Farm

8

Macfarlane Research Greenhouses
Equine Farm and Complex
Farm Services and Operations
22 Managed Woodland Properties

Granite Staters whom we consider stakeholders

1,359,711

Mission: Lead public research and innovation that enables New Hampshire's agriculture, food, natural resources and environment to sustain and improve lives and livelihoods.



Science for the Public Good:
Locally Inspired. Globally Important.



Resilient Agricultural Production

Areas of Research Excellence

Protected agriculture methods to reduce production and economic risks

Developing and testing new crops and varieties to diversify small-farmer market access

Climate-smart dairy production and herd management approaches

Integrated pest and plant disease management




Healthy Food Systems

Areas of Research Excellence

Identifying gaps and opportunities of increased regional market development for small farmers

Leading innovations in a growing aquaculture industry for ecosystem and climate resiliency



Determining nutritional needs and research-based recommendations for underserved NH communities

Understanding the relationship between cover crops and soil management in northern New England farms



Sustainable Forests, Waters and Ecosystems

Areas of Research Excellence

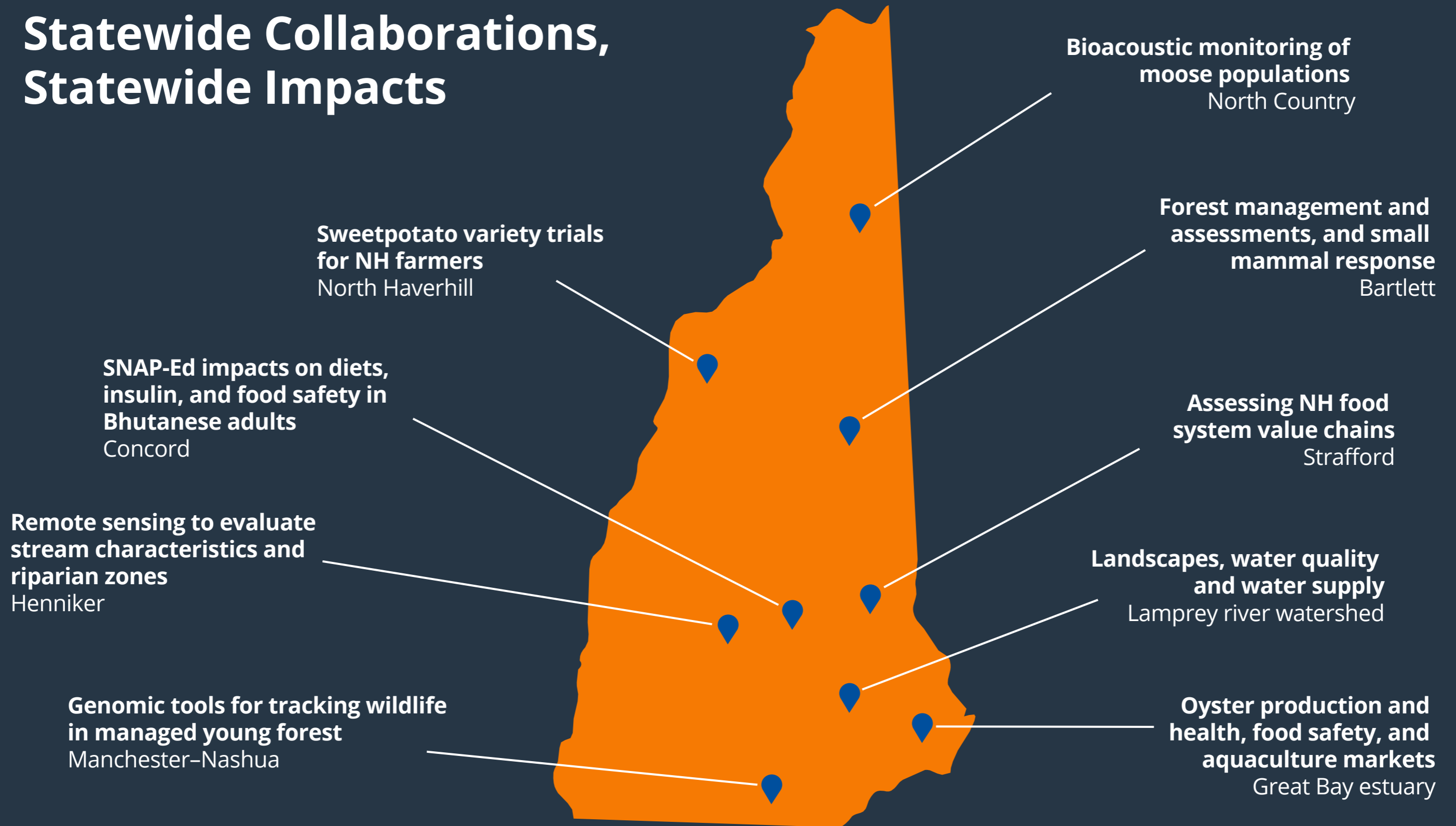
Measuring river and estuarine water quality across different New Hampshire landscapes

Forest measurement, management and impacts of and on animals in these forests

Soil microbial systems to understand impacts of climate change and inform agricultural and forest land managers

Silvopasture and agroforestry management to sustainably increase regional food production

Statewide Collaborations, Statewide Impacts



Participatory Portion: Challenges, Opportunities

People

Mid-size univ, budgets.

Rich in deferred maint.,
poor on # of people.

"Umbrella" projects

Post-docs vs grad stud.

High farm staff turnover.

Communications

Ag small part of NH econ.,
96% small farms.

Small forestry plots.

Very little in-state
knowledge of NHAES.

"Best kept secret."

AES/CE Collaboration

UNHCE is its own unit.

Navigating transition
from joint positions.

Lots of turnover, loss of
existing collaborations.

A photograph of two women in a barn setting, grooming a cow. One woman is using a red comb on the cow's back, while the other stands nearby. The background shows the interior of a barn with various equipment and other cows.

Participatory Portion: Challenges, Opportunities

People

Projects are now idea-based, mirror competitive

No more post-docs, all grad student support

Collaborative Research Enhancement and Team Exploration (CREATE) program

Communications

Define comms strategy: three distinct audiences

Consistent output (3-3-3, Inspired, data-driven)

Focus on increasing aesthetic quality

Miles on tires

AES/CE Collaboration

Biweekly, consistent meetings with CE

Joint AES/CE advisory stakeholder committee

Integrated demand-driven project program

Where to next...

Identify regional resource complementarities

Strengthen government relations, state and federal

Strategic, forward-looking infrastructure plan

Your thoughts?

