University of Minnesota
FY18 Agriculture State Special Appropriation $42.9M
(Numbers in Millions)

Agricultural Experiment Station $27
MN Extension $15.9

63%
37%
MN Agricultural Experiment Station
Special Projects Fiscal Years 2010 - 2017

Funding by Year:
- FY 10
- FY 11
- FY 12
- FY 13
- FY 14
- FY 15
- FY 16
- FY 17

Legend:
- Rapid Agricultural Response Funds
- Small Grain Initiative Funds
- Water Quality Funds
- Avian Flu Funds
EXTENSION 2018-19 BUDGET: $71M

- State: 39.5%
- Federal: 22.3%
- County: 14.4%
- Grants, Gifts and Other: 23.7%
MN EXTENSION

State Specials and O&M FY10-FY18
CVM Funding Trends
Agricultural Research, Education, Extension and Technology Transfer (AGREETT) Funding

- Positions Identified
  - 16 CFANS - 7 joint Extension
  - 9 Extension Educators
  - 5 CVM - 1 joint CFANS, 4 joint Extension

- First-Year Infrastructure Investment: Soils testing, oils testing, imaging tech AGP, Soil Testing Lab ($3.56 mill), CVM and CFANS: Animal Health and Food Safety ($550,000)

- Technician Bridging $250k recurring
- RARF $600,000 recurring
- HPAI $1,000,000 recurring
Rapid Agricultural Response Fund (RARF) Funded Projects FY18/19

- The Relationship Between Early Lactation Hoof Lesions and Behavior, Inflammatory Mediators, and Reproductive Performance in Dairy Cows
- Financial Counseling to Help Financially Stressed Producers Explore Options to Survive
- Improving Prediction of the Atmospheric Transport and Fate of Dicamba
- Spotted Wing Drosophila Risk and Management Solutions for the Wine Grape Industry
- MnPoPPA: Informing Strategies for Autogenous Vaccine Development in Poultry
- Development of Low-Carbon Footprint Energy Systems for Swine Production Facilities
- Investigating the Efficacy of Multiple Antimicrobial Interventions Against Salmonella Heidelberg Colonization in Turkeys - Renewal
- Evaluating Infestation and Potential Natural Enemies of Brown Marmorated Stink Bug in Minnesota Apple Orchards
- Development of a Novel Vaccine to Protect Turkeys from Hemorrhagic Enteritis Virus Infection
- Re-Emerging Turkey Arthritis Reovirus in Minnesota Turkeys: Development of Novel Diagnostic Assays and Control Strategies
- Characterization of Emergent Antimicrobial Resistance in Salmonella Strains Residing at the Animal-Human Interface to Guide Evidence-Based Antimicrobial Stewardship in Veterinary Medicine
- Atmospheric Pressure Non-Thermal Plasma for Sanitizing Animal Production Facility Air
- Minnesota's Rural Forests and the Expanding Emerald Ash Borer: Landscape Risks and Forest Management Response
- Stems of Steel: A Structural Engineering Approach to Improve Lodging Resistance in Cereals
- A Comprehensive Surveillance System to Control Influenza Virus in Pigs
Building a stronger Minnesota together

Extension plays a key role in the University of Minnesota’s mission: We bring Minnesotans together to build a better future through University science-based knowledge, expertise and training.

Connecting every county with the University of Minnesota

- **87** Extension is in every county
- **15** Regional offices are strategically located in communities across the state
- **65** percent of Extension faculty and staff work in Greater Minnesota
- **35K+** trained volunteers multiply our reach

2019 budget

**Federal: $10.1 million**
The U.S. Department of Agriculture supports wide-ranging research and Extension education.

**Counties: $14.9 million**
Investments ensure 4-H and other Extension programs are delivered locally.

**State: $27.2 million**
Investments are leveraged through collaborations with Minnesota state agencies, including departments of agriculture, health and human services, natural resources, and tourism.

**Grants, gifts and other: $17.9 million**
Individuals and organizations provide support for valuable Extension opportunities important to them.

MAKING A DIFFERENCE IN MINNESOTA: ENVIRONMENT + FOOD + AGRICULTURE + COMMUNITIES + FAMILIES + YOUTH
University of Minnesota Extension works in rural, suburban, urban, tribal communities and beyond.

More than 1,000,000 people are reached annually by Extension education.

Shaping a lifetime of leadership in 140,000 young people through Minnesota 4-H
4-H’ers are more likely to go to post-secondary school and are 2X more likely to contribute to their communities.

Strengthening Minnesota’s food and agriculture
Extension research and education improves crop yields, animal health, farm productivity and water conservation across Minnesota’s 73,200 farms.

Encouraging responsible lawn and garden practices through a 2,300-strong Master Gardener volunteer force
Master Gardener volunteers gave 145,134 hours last year to community initiatives.

Helping 119,438 families make healthy decisions through SNAP-Ed and better money management
72% of SNAP-Ed participants say classes helped them make healthier food choices.

Protecting natural resources, including soil, water and woodlands
Last year, more than 2,000 Minnesota Master Naturalists and citizen science volunteers restored public lands, collected scientific data and multiplied the reach of Extension’s environmental education.

Understanding what makes communities welcoming, economically vibrant and well-led
100+ economic analyses inform local community decisions each year.
CFANS delivers bold science to Minnesota

With a legacy of bringing discoveries to life through science, CFANS educates the next generation of leaders to anticipate and adapt to a changing state and world, and solves the real challenges of nourishing people while enriching the environments in which we live. We are able to do this through the support of alliances with agricultural and natural resource partners.

29 majors
13 undergraduate and 16 graduate programs in plants, food, energy, business, and water

703 degrees
awarded to undergraduates and graduates by CFANS in 2017-18 to help fill critical needs in Minnesota’s agriculture, food, and natural resource workforce

10 research
and outreach centers

Undergraduate Hometowns
66% State of Minnesota
70 Minnesota counties represented in the 2017-18 undergraduate population

14% Wisconsin
13% Other States
7% International

7 continents
on which CFANS scientists connect Minnesota with research and business opportunities

Fall 2018 People
2,021 Undergraduates
620 Graduate Students
261 Faculty
815 Staff
29,105 Alumni

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$5 million

state investment through Agricultural Research, Education, Extension, and Technology Transfer (AGREETT) in agricultural productivity to hire new scientists and technicians to work in seven key areas:
- Crop and livestock productivity
- Microbial science
- Advancing soil fertility and water quality
- Agricultural technology and decision-making
- Nutrient recycling and management
- Agro-ecological innovation
- Technologies for managing pest resistance and climate adaption

Grand Challenge research and education investments
- Food security, agricultural productivity
- Invasive species and biodiversity/pest and disease dynamics
- Renewable energy and climate adaption
- Water resources and uses
- Forestry
- Precision agriculture
- Educating future leaders in applied science and technology for agriculture, food and natural resource sciences

Sponsored grant awards received
2017 Total: $62.8 million

Sponsored grant awards leverage state funding
$62.8 million Sponsored Grant Award Projects adds to $21,993,054 State Special Funding

$1.56 million
in privately funded scholarships awarded to new CFANS students