Ag State Special Funding: $42,923,800
FY22 Distribution

- CFANS $21.8M (50.8%)
- EXT $15.8M (36.9%)
- VETMED $1.3M (3.1%)
- CBS $.4M (0.8%)
- CEHD $1M (2.3%)
- DESIGN $.5M (1.1%)
- AES $2.1M (5.0%)
Ag State Special MAES and O&M Funding
(Does not include Extension funding)

Ag State Special and Operations & Maintenance Appropriation
Fiscal Years 2010 - 2023

Minnesota Agricultural Experiment Station
Minnesota Agricultural Experiment Station manages the distribution and use of federal and state research funds with a focus on production, harvesting, processing, quality and marketing of food and agricultural products and forests and forest products. The goals of these efforts are to improve human nutrition, family and community life, rural and urban vitality, economic growth and development, and environmental quality.

Partner colleges
MAES funds scientists who work in five different University of Minnesota colleges:
- College of Food, Agricultural and Natural Resource Sciences
- College of Veterinary Medicine
- College of Biological Sciences
- College of Education and Human Development
- College of Design

Funding sources
MAES uses federal and state funds to support cross-disciplinary research and respond to emerging issues. These funds provide critical support for staff, equipment and facilities that allow MAES researchers to start innovative projects and leverage and match other external funding sources.

Federal funding sources:
- Hatch
- Hatch Multistate
- Animal Health
- McIntire-Stennis

State funding sources:
- Agriculture State Special
- Rapid Agricultural Response Fund
- Small Grains Initiative
College of Food, Agricultural and Natural Resource Sciences
2021-22 Resources: $160.6 million

- Federal Allocation: $5.3 M (3%)
- ICR: $8.3 M (5%)
- Gifts: $26.3 M (16%)
- State Special: $22.0 M (14%)
- Sales and Other Revenue: $28.7 M (18%)
- Tuition and Fees: $33.6 M (21%)
- Operations and Maintenance: $36.6 M (23%)
College of Food, Agricultural and Natural Resource Sciences

Resource Trends (millions)
CFANS
Where science drives a sustainable future

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

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

27 programs
14 undergraduate and 13 graduate programs in disciplines involving food, agricultural, and natural resource sciences

660 degrees
awarded to undergraduates and graduates by CFANS in 2021–22 to help fill critical needs in Minnesota’s agriculture, food, and natural resource workforce

People
Fall 2022
- 1,765 Undergraduates
- 553 Graduate Students
- 232 Faculty
- 854 Staff
- 30,466 Alumni

$5 million state investment in agricultural productivity to hire new scientists and technicians to work in seven key areas through the Agricultural Research, Education, Extension and Technology Transfer (AGREETT) program.

1. Crop and livestock productivity
2. Microbial science
3. Water quality and climate resilience
4. Agricultural technology and decision-making
5. Nutrient recycling and management
6. Agro-ecological innovation
7. Technologies for managing pest resistance and climate adaption

88% of CFANS students complete an internship in their major
(2021-2022 data)

$3.2 million in CFANS scholarships are awarded to undergraduate students each year
(2021-2022 data)

89% of CFANS graduates are employed or continuing their education within 6 months of graduation
(2021-2022 data)

Undergraduate Hometowns
- 68% State of Minnesota
- 14% Wisconsin
- 13% Other States
- 5% International

71 Minnesota counties represented in the 2022-23 undergraduate population

Federal funding
is used to support science-based responses to emerging issues
- Global food security and hunger
- Sustainable energy
- Forestry and natural resources
- Food safety and nutrition
- Strong rural communities

Sponsored grant awards received

Funding Source
- Associations 7%
- Business and Industry 3%
- Foundations 2%
- State of Minnesota 26%
- USDA 41%
- NIH 3%
- USDA 3%
- NSF 3%
- Other Universities 7%
- Federal and Other Government Agencies 5%

Amount
- $5,344,002
- $2,195,421
- $1,455,069
- $24,400,191
- $39,973,292
- $2,900,093
- $3,211,687
- $1,506,934
- $1,455,924
- $6,649,603
- $4,268,110

Total 2021-22
$94,434,210

Sponsored grant awards leverage state funding

Sponsored Grant Award projects
$94,434,210 adds to
State Special Funding
$21,953,054

CONNECT WITH US TO LEARN MORE
- cfans.umn.edu
- 612-626-2010

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.
CFANS RESEARCH YEAR IN REVIEW

TOTAL SPONSORED PROJECT AWARDS

CFANS received $95,050,541 in sponsored project awards in FY22.

AWARDS AND SUBMISSIONS

171 District funders provided funding for CFANS researchers in FY22.

488 Sponsored project awards received by CFANS in FY22.

65 New sponsored project proposals submitted by CFANS in FY22.

FUNDING SOURCES

Funding for CFANS’ cutting-edge research comes from partners of all sizes and specialties.

INTELLECTUAL PROPERTY

CFANS projects UMN discoveries. The University is in the top 10 for technology transfer and 2nd in the Big Ten for "innovation impact."

464 Active research projects at the 10 CFANS Research & Outreach Centers in FY22.

2 New startups launched in FY22.

13 New startups launched in past five years.

16 Trademarks and patents issued in FY22.

72 Trademarks and patents issued in past five years.

The College of Food, Agricultural and Natural Resource Sciences (CFANS) is a national leader in innovative scientific discovery. The work of its talented researchers cultivates breakthrough solutions to today’s greatest challenges, all with an exemplary commitment to diverse views and research ethics.

cfans.umn.edu/research
College of Veterinary Medicine State Funding Trends

8.6% increase over 10 years

29.8% inflation over 10 years
College of Veterinary Medicine
FY2022 Resources - $125.3m

• Clinical & Diagnostic Income - $40.8m
• Sponsored Research - $26m
• Tuition - $21.6m
• State O&M, Diagnostic Lab/State Special, AES/Extension - $22.7m
• Other - $14.1m

ROI on state investment = $5.52
DVM students
1419 applicants for 105 seats in the Class of 2027
The Class of 2027 has 103 students - 53 residents / 50 non-residents
22 Veterinary Food Animal Scholars track students

Graduate students
77 PhD students 14 Master’s students

Advancements

Veterinary shortage
Our partnership with South Dakota State University will produce more veterinarians. Our long-standing VET-FAST program has produced over 100 veterinarians who practice in rural areas with a focus on food animals. Meanwhile, a community medicine initiative is teaching students to work in underserved communities.

Chronic wasting disease in deer
In 2022 we created a website of information for deer farmers. Our research team has completed an evaluation of a 2-hour field test for CWD. New state funding is driving an ambitious suite of research to better understand this disease.

Responding to outbreaks
The Veterinary Diagnostic Laboratory (VDL) and The Raptor Center are on the front lines of responding to highly pathogenic avian influenza (HPAI). The VDL, performed 3% of the national HPAI tests in 2022.

Monitoring antimicrobial resistance
Our nationwide program is the first to measure how frequently small animal veterinarians prescribe antibiotics for small animals. An early finding: the think-use of antibiotics for diarrhea in dogs.

Service
Veterinary Diagnostic Laboratory
- Official laboratory of the Minnesota Board of Animal Health
- 1 million procedures completed annually
- Assisted MN Dept. of Health with COVID testing & supplies
- Performed 20% of nation’s HPAI testing in 2022

Veterinary Medical Center
- Treated its 30,000th patient in 2022 - a red-tailed hawk
- Educating thousands through virtual and in-person programs
- Training veterinarians and wildlife rehabilitators around the world in raptor medicine and humane care.

Nearly 38,000 patient visits - one of the busiest veterinary teaching hospitals in the world
- 57 specialists, over 50 veterinarians, and nearly 150 technicians supporting the Upper Midwest veterinary community

Funding
College of Veterinary Medicine Resource Trends 2014 - 2023

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Printed on recyclable and recyclable paper with at least 10 percent postconsumer waste material.
Extension 2022-2023 Budget: $79.3M

- **Gifts, Grants and Income**: $21.2M (26.7%)
- **Ag State Special**: $15.8M (19.9%)
- **County**: $18M (22.7%)
- **O&M**: $13.6M (17.2%)
- **Federal Capacity Funds**: $10.7M (13.5%)
Extension Funding Trends
Connecting rural, suburban, urban and tribal communities with the University of Minnesota

87 Extension is in every county. Regional offices are strategically located across the state.

65 percent of Extension faculty and staff work in Greater Minnesota.

35K+ trained volunteers multiply our reach.

Budget

Grants, gifts and other: $19 million (25%) Individuals and organizations provide support for valuable Extension opportunities important to them.

Counties: $18 million (23%) Investments ensure 4-H, agriculture and other Extension programs are delivered locally.

State: $29 million (38%) Investments are leveraged through collaborations with Minnesota state agencies, including departments of agriculture, health, human services, natural resources and tourism.

Federal: $11 million (16%) The U.S. Department of Agriculture supports wide-ranging research and Extension education.

Making a difference in Minnesota: Environment + Food + Agriculture + Communities + Families + Youth

Extension is the front door to the University for many Minnesotans, providing tools to build the future they envision.

More than 1 million people are reached annually by Extension education.

Minnesota 4-H empowers all youth to lead
822 youth in 56 counties took on ambassador-level leadership roles, designing a statewide service project and peer learning experiences. Youth engaged in 50+ projects, performing 800+ hours of service.

Strengthening Minnesota’s food and agriculture
Extension research and education improve crop yields, animal health, farm productivity and water conservation across Minnesota’s 67,400 farms.

Promoting responsible lawn and garden practices
2,790 Master Gardener volunteers contributed 135,822 hours planting pollinator-friendly gardens, creating resilient landscapes and helping those who are struggling.

Creating healthier families for 60,852 people
SNAP-Ed “I Can Prevent Diabetes” telehealths received 5 years of full recognition from the National Diabetes Prevention Recognition Program, while Extension reached 3,284 rural Minnesotans coping with the opioid crisis.

Protecting natural resources, including soil, water and woodlands
2,000+ Extension Natural Resources volunteers restored public lands, managed invasive species in their communities, collected data for scientific research, and taught better land stewardship.

Delivering knowledge and training to support community leadership, economic development and tourism
132 research reports and 32 community-led groups focused on economic impacts, facilitation skills and welcoming newcomers.

University of Minnesota Extension

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