



ISU AGRONOMY AT A GLANCE

I'M AN
AGRONOMIST

IOWA STATE UNIVERSITY
Department of Agronomy

UNDERGRADUATE PROGRAMS

Agronomy Major

- 2023 Enrollment: 211

Interdepartmental Majors

- Environmental Science
- Seed Science
- Data Science
- Digital and Precision Agriculture

Certificate

- Soil Science

UNDERGRADUATE PROGRAMS

Academic Fellowships

- ~\$200,000 per year

Travel Fellowships

- Support for Travel Courses
- Support for Semester-Long Studies
- Total Awards: ~\$60,000 per year

Judging Teams

- Crops Judging Team
- Soils Judging Team

Clubs

- Agronomy Club
- Soil and Water Conservation Club
- ISU Good Earth Student Farm

GRADUATE PROGRAMS

Departmental Majors (71 MS and PhD students)

- Agricultural Meteorology
- Crop Production and Physiology
- Plant Breeding and Genetics
- Soil Science

Online MS Programs

- Agronomy (76 students)
- Plant Breeding (21 students)

Interdepartmental Majors (26 MS and PhD students)

- Bioinformatics and Computational Biology
- Environmental Science
- Genetics and Genomics
- Plant Biology
- Sustainable Agriculture

RESEARCH PROGRAMS

Extramural Research Funding

- **1 Jan. – 31 Dec. 2022:** 93 proposals, \$55,601,737; 71 awarded, \$14,728,230, 76% success
- **1 Jan – 31 Dec. 2023:** 75 proposals, \$32,003,122; 69 awarded, \$14,872,055, 92% success
- **1 Jan – 1 June 2024:** 54 proposals, \$31,297,856; 30 awarded, \$3,561,254

Collaborators

- USDA Natural Resources Conservation Service
- ARS National Laboratory for Agriculture and the Environment
- Iowa Soybean Research Center for Farming Innovation
- ISU organizations, including the Raymond F. Baker Center for Plant Breeding and the ISU Plant Sciences Institute.

EXTENSION PROGRAMS

Focus Areas

- Integrated Crop Management
- Nutrient Management
- Forage Management
- Weed Science

Faculty Extension Specialists in the Department

- 6

Examples of Online Tools

- Daily Erosion Project
- Forecast and Assessment of Cropping Systems
- Iowa Environmental Mesonet (accessible meteorological data)

FACILITIES AND ENTREPRENEURSHIP

Classrooms

- 11

Teaching Labs

- 4

Research Labs

- 135

Service Labs

- 3

Research Farms

- 9

Growth Chambers

- 31

Square Feet of Greenhouse Space

- 23,372

Active Companies Founded or Co-founded by Faculty

- **EnGeniousAg LLC** (instant-read nitrate sensor for plants, soil and water)
- **Dryland Genetics Inc** (proso millet breeding)
- **Data2Bio LLC** (analysis of genomic data)

RECENT ACCOMPLISHMENTS

New Faculty Members (Sept. 2023 – Nov. 2024)

- Nitrogen Extension/Research
- Forage Extension/Research/Teaching
- Weed Science Extension/Research/Teaching

Curriculum and Teaching

- Curriculum revisions (Jr/Sr courses) are moving forward

Building Renovations

- Commons, 1st and 2nd floor hallway, 1102, 2142, 3140, 1026, G541, 1022

Enhancing our Research Enterprise

- Purchase of new growth chambers
- Strong grant support

Enhancing Our Efforts

- Support of the Iowa Nitrogen Initiative
- Teaching assistantships for undergrad and graduate students
- New part-time Communications Specialist



**SUSTAINABILITY
MASTERMIND**

**I'M AN
AGRONOMIST**



**SOIL
SUPERSTAR**

**I'M AN
AGRONOMIST**



**BIOENERGY
EXPLORER**

**I'M AN
AGRONOMIST**



**PLANT
WHISPERER**

**I'M AN
AGRONOMIST**



WORLD HUNGER SOLVER

I'M AN AGRONOMIST



GENETIC WHIZ

I'M AN AGRONOMIST



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