

ISU AGRONOMY AT A GLANCE



I'M an
AGRONOMIST

IOWA STATE UNIVERSITY
Department of Agronomy

UNDERGRADUATE PROGRAMS

Agronomy Major

- 2023 Enrollment: 211
- 2024 Enrollment: 200

Interdepartmental Majors

- Environmental Science
- Seed Science
- Data Science

Certificate

- Soil Science

UNDERGRADUATE PROGRAMS

Academic Fellowships

- ~\$200,000 per year

Travel Fellowships

- Support for Travel Courses
- Support for Semester-Long Studies
- Total Awards: ~\$40,000 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 Program (97 students)

- 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 NIFA, USDA NRCS
- ARS National Laboratory for Agriculture and the Environment, DOE, NASA
- Commodity organizations
- ISU organizations: Raymond F. Baker Center for Plant Breeding, ISU Plant Sciences Institute, IA Soybean Research Center

EXTENSION PROGRAMS

Six specialists, focus areas

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

Online tools

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

FACILITIES AND ENTREPRENEURSHIP

Classrooms

11

Teaching Labs

4

Research Labs

135

Service Labs

3

Research Farms

9

Growth Chambers

30

Greenhouse Space

23,372 ft²

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

- Courses integrating crops, soils, and climate

Building Renovations

- Commons, 1st and 2nd floor hallway, classrooms, Learning Center, reading room

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