

## 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 ft<sup>2</sup>

### 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, 1<sup>st</sup> and 2<sup>nd</sup> 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