

ANNUAL REPORT OF THE CASS CAREER CENTER AGRICULTURE EDUCATION PROGRAM

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2025–2026 Annual Report

Instruction Courses Offered:

Intro to Ag.....	74
Animal & Plant Sci.....	26
Ag Mechanics.....	24
Livestock Mgmt.....	16
Ag Power.....	16
Conservation.....	10
Adv. Plant Sci.....	6
SAE Cooperative.....	3
Integrated English.....	4
Integrated Math.....	4

Projects of Agriculture Students:

- 32 Metal/Welding Projects
- 68 Small Wood-working Projects
- 1 Livestock Shed
- 16 Small Engines Overhauled
- 10 Small Tractors / Lawnmowers Worked on
- Landscaped area of the park
- Plant Sale

Certifications Granted:

- 24 students were certified in Bobcat Machinery Training and National Safe Tractor & Machinery Program
- 14 students passed The Recreational UAS Safety Test (TRUST)
- 3 student received 3-hours of college credit through the UCM
- 19 Students earned Missouri Agriculture Skills & Knowledge Certification
- 94% Seniors Passed State Ag Technical Skill Attainment Assessments

AGRICULTURE PROGRAM INTEGRATES NEW AGRICULTURAL TECHNOLOGY AND SCIENTIFIC INVESTIGATION IN CURRICULUM

Students in the Agriculture Program at the Cass Career Center have integrated new industry technology and conducted agricultural scientific research in courses this past year.

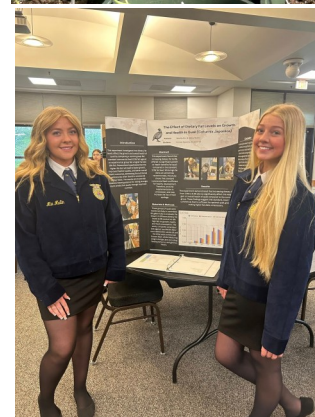
Working with Ag Program alumni, Taylor Moreland, of AgriSpray Drones, the Ag Program purchased a EAVision 150 Spray Drone. Students learned the latest in precision ag technology by mapping out fields, programming the spray drone, mixing the appropriate chemical, and operating the drone. Students will be able to utilize this technology with their Supervised Ag Experience (SAE) to help control fungus, weeds, and insects in their fields.

In addition, the Ag Program received a Bruns and McDonnell STEM Grant to purchase electricity training equipment. The equipment will allow

students to learn how to perform basic wiring in agricultural structures safely. Students will also be able to test and calculate electrical volts, amperage, and resistance in circuits.

Agriculture students also designed and performed agriscience research through their coursework. One research project was done on different levels of rabbit manure fertilizer on pod production in garden legume plants. Another research project focused on different levels of fat content of starter quail feed during the first eight weeks growth.

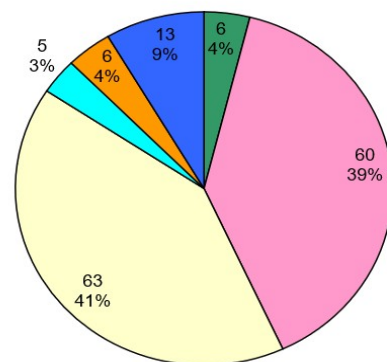
As a part of the research process, students had to develop a research paper, a poster and a presentation. Two students presented the quail research project at the Missouri FFA Agriscience Fair in April and received 2nd place.



September 2025 Student Career Interest

Student Career Path Interest

- AgBusiness & Mgmt
- Ag Mech & Technology
- Animal Science
- Food Science
- Natural Resources/Conservation
- Plant Science/Horticulture



FFA LEADERSHIP DEVELOPMENT

FFA makes a positive difference in the lives of students by developing their potential for **premier leadership, personal growth, and career success** through agricultural education. Over 139 students actively participate in the local FFA chapter. Through their involvement, students took advantage of educational tours, leadership conferences, state & national convention, judging teams, public speaking, and community service.



Area Leadership Conference	Missouri State Fair
Petting Zoo at Log Cabin Festival	FFA Week Cook Out
Donation of Fruit to Bright Futures	Culvers Fundraiser
State FFA Convention	Greenhand Motivational Conference
State FFA Leadership Camp	Teacher Appreciation Day
Fruit, Meat, Cookie Dough Fundraiser	Area FFA Banquet
Fall Speech Contest	Plant flowers at local parks
Cass County Junior Livestock Shows	Area Trapshooting League
Fall Field Trips to Tracker Marine & American Royal	Points Trip Agribusiness Tours to Springfield
Bull Bash at MO State Fairgrounds	District Trapshooting Competition
MO High School & FFA State Trapshoot	Chapter FFA Banquet
District FFA Fair	District Contest

FFA Distinctions for 2025-2026:

- Superior Chapter Rating by National FFA
- Over \$10,000 in scholarships given to seniors at the Chapter FFA Banquet
- 6 State FFA Degree Recipients
- 7 Area VII Winning Proficiency Awards
- 2 2nd Place State Proficiency Awards
- 5 American FFA Degree Recipient
- 2 Missouri HYMAX Academy Selectees
- 2 TeachAg Academy Selectees
- 1 Missouri FFA Public Speaking Institute Attendee
- 2nd Place State Agriscience Fair
- 1 Area Winning Recordbook
- 2nd Place Rituals Team at Area Contest
- 3 Area SAE Fair Student Showcases
- Elks Lodge Student of the Year
- 3 Cass Career Center Students of the Month
- 2 State FFA Choir Selectees
- Top 10 Area Trapshoot Individual
- Donations of fruit to Harrisonville Bright Futures through a grant from Missouri Farmers Care
- Missouri Sheep Merchandising Grant to promote lamb meat
- Bright Futures Student Ambassador Organization of the Month—March 2026
- Met with Governor Kehoe during MO State Fair Food Insecurity Day

SUPERVISED AGRICULTURAL EXPERIENCE (SAE)

Students select out-of-class SAE programs based on their career interests. Students are supervised by the agriculture instructors, their parents, and employers in the agriculture industry who have an interest in seeing students succeed. Agriculture students through their SAEs, generated over \$313,754 last year. The instructors made **xxx supervisory contacts** with students throughout the year. This equated to over an average of x.x visits per student.

The most common SAE projects were: 1) Placement in Ag Mechanics, 2) Placement in Plant Science, 3) Poultry Production, 4) Placement in Animal Science, 5) Beef Production.

During each visit, the student and instructor met on a one-on-one basis to discuss

- Project and career advice
- Revising SAE goals
- Reviewing financial record-book
- Providing recommendations
- Course work and FFA Leadership Development

