

Missouri

AGRICULTURAL EDUCATION

2018 FACT SHEET



In Agricultural Education, learning does not start and stop at the classroom door! Through FFA and Supervised Agricultural Experiences (SAE) students have many opportunities to learn and develop real-world skills outside of the classroom and beyond the school day.

At a Glance

27,395

Students enrolled in Missouri agricultural education programs.

5,363

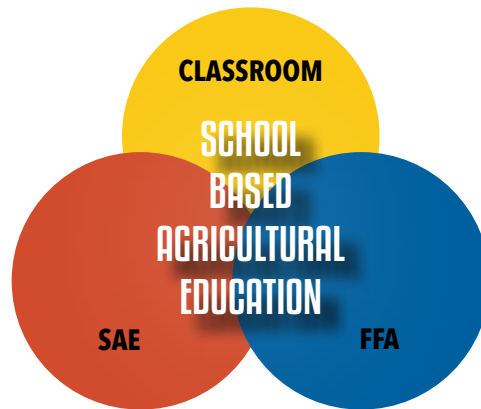
High school agricultural education graduates in 2016. 64% are pursuing agriculture as a career.

343

High schools and career centers offering agriculture classes for students.

WHY DO WE NEED AGRICULTURAL EDUCATION?

- Accelerating globalization of markets.
- Growing demand for environmental protection and safe food.
- Increasing dependence on technology.
- Declining public understanding of agriculture.
- Growing need for highly trained and diverse workforce.



HOW DO STUDENTS LEARN IN AGRICULTURAL EDUCATION?

Through **classroom instruction**, ag ed students use unique problem-solving skills.

Ag Ed students gain **hands-on experience** outside the classroom through their Supervised Agricultural Experience.

Leadership development is a key component of FFA. Activities are designed to promote personal skill development.



SAE

Supervised Agricultural Experience (SAE) is a student-led, instructor-supervised, work-based learning experience that results in measurable outcomes within a predefined, agreed upon set of Agriculture, Food and Natural Resources (AFNR) Technical Standards and Career Ready Practices aligned to your Career Plan of study.

SAEs help students explore careers, refine their career choice, meet real-world career expectations and develop specific skills to be successful in the agricultural industry. SAEs enhance their experience, allowing them to apply what they learn in the classroom. Most of all, SAEs are personalized learning. SAEs are unique to each student and based on career interests and aspirations.

\$52,489,933

Statewide, more than \$52,489,933 of net income was generated through SAE programs. 17% of students had entrepreneurship only programs, while 47% had placement only projects where students work for someone in an agribusiness or on a farm. Moreover, 8% had agriscience projects and 28% had a combination of projects.



Learn **real-world** skills. Get **hands-on** experience. **Explore** careers.
Find a career **mentor**. Be **college-** and **career-**ready.
Find your **passion**. **Earn \$** while you learn. Be an **entrepreneur**.
Put your **talents** to work.



Aligned to a
Career Path

Student-Led

Connected to
Agriculture



Instructor
Supervised

Measurable

Work-Based
Learning

Missouri's TOP FIVE

1. Placement/Agribusiness Systems
2. Placement/Animal Systems
3. Placement/Food Production
4. Beef
5. Equine

CLASSROOM

An integral core component of school-based agricultural education, classroom/laboratory may be delivered in a classroom, laboratory, greenhouse or outdoor setting. Here, students explore natural and social sciences, entrepreneurship and other career options.

**AGRIBUSINESS • AGRICULTURAL MECHANICS • NATURAL RESOURCES
FOOD SCIENCE AND SAFETY • ANIMAL SCIENCES • PLANT SCIENCES**



PREMIER LEADERSHIP • PERSONAL GROWTH • CAREER SUCCESS

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