Minnesota Agriculture, Food and Natural Resources (AFNR) Education

AFNR programs prepare students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources system. Through AFNR education, students are provided opportunities for leadership development, personal growth and career success.

### Of the 21,833 AFNR students in grades 9-12:

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,401</td>
<td>MINNESOTA FFA MEMBERS: FFA encourages students to apply skills in order to prepare for future careers by developing their potential for premier leadership, personal growth and career success through agricultural education.</td>
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<tr>
<td>3,655</td>
<td>STUDENTS EARN SCIENCE CREDIT FOR AN AFNR COURSE: AFNR students apply science in agricultural topics related to plants, animals, food and mechanics throughout Minnesota.</td>
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<tr>
<td>1,514</td>
<td>STUDENTS EARN CREDIT FOR EXPERIENTIAL LEARNING: AFNR students apply classroom learning through experiential learning experiences while preparing for and exploring career opportunities.</td>
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<tr>
<td>10,268</td>
<td>STUDENTS ARE CAREER AND TECHNICAL EDUCATION CONCENTRATORS. These students complete at least 240 hours of coursework over 4 years.</td>
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### CONCLUSION:

Students completing an AFNR experience are prepared for the future.  
Source: 2016-2017 Federal Carl Perkins Database Minnesota Department of Education

### AFNR 3-Circle Model:

Agricultural education is delivered through three interconnected components in the 194 Minnesota AFNR Programs with 253 AFRN teachers:

I. Classroom or laboratory instruction.

II. Experiential learning — Learning experiences that usually take place outside of the classroom, supervised by the agriculture instructor. We commonly refer to these as a Supervised Agricultural Experience (SAE) program. Students may explore new AFNR topics, work for an AFNR business, start their own business, or conduct research as part of their SAE program.

III. Leadership education — delivered through student organizations such as the National FFA Organization.
WHO ARE AFNR STUDENTS?

- Power, Structure and Technical: 6206
- Animal: 4307
- Plant: 5435
- Natural Resources/Env. Serv.: 6248
- AgriBusiness: 1200
- Biotech and Food Products: 8527

41.5% Economically Disadvantaged

65.1% Male
6,676
34.9% Female
3,592

WHO ARE AFNR STUDENTS?

- 91.5% graduate in 4 years!
- The Minnesota statewide average is 82.2%.

AFNR Pathways Represented by Enrollment

TEACHER SUPPORT

In addition to teaching a variety of AFNR courses, the 253 AFNR teachers also develop students through FFA experiences and by providing additional experiences.

44 programs were awarded $267,500 through the Agricultural Education Extended Day Grant program to provide additional experiences through:

- Leadership development activities
- Service learning
- Experiential learning (SAE)
- Career exploration
- Farm safety
- Program development

WHAT DO FFA MEMBERS GAIN?

CAREER SUCCESS

- 480 members competed at the State Fair with exhibits from their SAE program
- More than 3,500 members attended the State FFA Convention to compete in 28 events, attend workshops, and network with colleges and industry
- More than 1,000 members attended the National FFA Convention in Indianapolis, Indiana with many competing in events throughout the convention

PREMIER LEADERSHIP

- 70 members serve as region or state officers

PERSONAL GROWTH

- 4,349 members received leadership training at a regional or state leadership conference

This is all possible due to partnerships with:

- http://www.mnaged.org/
- http://mn.gov/maelc/
- www.mnffafoundation.org/
- http://mnfsso.org/

Learn more at:

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