

Agriscience Fair

New Jersey FFA Association
New Jersey Department of Agriculture
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In Cooperation with the New Jersey Department of Education

Purpose of Event

Agriscience education is intended to enhance the image of agriculture by portraying to students that agriculture includes many careers that are not solely agricultural production or business-oriented. Such careers require a strong background in the biological and physical sciences - fiber technologist, water resource manager, plant geneticist, biochemist, etc. The Agriscience Fair provides middle and high school students the opportunity to achieve local, state and national recognition for their accomplishments in agriscience. This program also gives students a chance to demonstrate and display agriscience projects that are extensions of their agriscience courses. FFA activities are an integral part of the instructional program in Agriculture, Food, and Natural Resources Education.

State Core Curriculum Content Standards

Through Agriculture, Food, and Natural Resources Education, FFA is helping students meet the State Core Curriculum Content Standards in various areas. The Agriscience Fair teaches students about Language Arts Literacy, Visual and Performing Arts, and Science. Some examples of how the Agriscience Fair is meeting these standards are:

All students will utilize those skills, media, methods, and technologies appropriate to each art form in the creation, performance, and presentation of dance, music, theater, and visual art.

- Through the Agriscience Fair, students create visual art when displaying their scientific findings. [1.2 Visual and Performing Arts: Creation and Performance]

All students will write in clear, concise, organized language that varies in content and form for different audiences and purposes.

- Students develop skills in writing by developing logbooks and written project reports as a part of the Agriscience Fair. [3.2 – Language Arts Literacy: Writing]

All students will speak in clear, concise, organized language that varies in content and form for different audiences and purposes.

- Through agricultural education, students learn written communication skills. [3.3 - Language Arts Literacy: Speaking]

All students will develop problem-solving, decision-making, and inquiry skills, reflected by formulating usable questions and hypotheses, planning experiments, conducting systematic observations, interpreting and analyzing data, drawing conclusions, and communicating results.

- As a part of the Agriscience Fair, students formulate hypotheses, plan experiments, conduct observations, interpret and analyze data, draw conclusions and communicate results. [5.1 Science: Scientific Processes]

Rules of Event

This event will consist of four (4) phases: Phase I - Logbook; Phase II – Written Project Report; Phase III - Display; Phase IV – Interview. [Click here](#) to review the five (5) categories in the Agriscience Fair: Botany (Plant/Soil Science); Engineering (Mechanical/Agricultural Engineering Science); Environmental Science; Zoology (Animal Science); and Biochemistry/Food Science/Microbiology. There are four (4) divisions of competition: Division I – Individual grades 7, 8, 9; Division II – Individual grades 10, 11, 12; Division III – Team grades 7, 8, 9; Division IV – Team grades 10, 11, 12. A team shall consist of a maximum of two people. Chapters may have one entry per category per division. For more details on this event, [click here](#) consult the [National FFA Agriscience Fair Handbook](#).

Scoring for the New Jersey Event

(other scoring will occur on the national level)

Knowledge Gained – 10 points
Scientific Approach – 10 points
Experimental Research – 10 points
Individual/Team Work – 10 points
Thoroughness – 10 points
Information – 10 points
Conclusions – 10 points
Written Project Report – 10 points
Interview – 10 points
Visual display – 10 points
Event Total – 100 points

[Click here to discover the Career Opportunities, SAE Opportunities and Proficiency Award Areas that correspond to the Agriscience Fair!](#)