

Agriscience Fair

2011 – 2012 Chairperson: Alan and Andrea Spencer, Red Oak

I. Overview

The Iowa FFA Agriscience Fair recognizes students studying the application of scientific principles and emerging technologies in agricultural enterprises.

This is a State and National Level Event.

II. Rules

The rules and deadlines for the Iowa FFA Agriscience Fair will follow those of the State Science and Technology Fair of Iowa (SSTFI) found at www.sciencefairiowa.org.

To remain in compliance with the rules for the National FFA Agriscience Fair, the following guidelines must be applied to each project in addition to those for the SSTFI:

1. The project must fit one of the following categories:
 - a. Animal Systems (AS)
The study of animal systems, including life processes, health, nutrition, genetics, management and processing, through the study of small animals, aquaculture, livestock, dairy, horses and/or poultry.
 - b. Environmental Services/Natural Resource Systems (ENR)
The study of systems, instruments and technology used in waste management; the study of the management of soil, water, wildlife, forests and air as natural resources and their influence on the environment.
 - c. Food Products and Processing Systems (FPP)
The study of product development, quality assurance, food safety, production, sales and service, regulation and compliance and food service within the food science industry.
 - d. Plant Systems (PS)
The study of plant life cycles, classifications, functions, structures, reproduction, media and nutrients, as well as growth and cultural practices, through the study of crops, turf grass, trees and shrubs and/or ornamental plants.
 - e. Power, Structural and Technical Systems (PST)
The study of agricultural equipment, power systems, alternative fuel sources and precision technology, as well as woodworking, metalworking, welding and project planning for agricultural structures.
 - f. Social Systems (SS)
The study of human behavior and the interaction of individuals in and to society, including agricultural education, agribusiness economic, agricultural communication, agricultural leadership and other social science applications in agriculture, food and natural resources.
2. The project must fit one of the following divisions:
 - a. Division I – individual member in grades 7, 8 and 9.
 - b. Division II – individual member in grades 10, 11 and 12.
 - c. Division III - team of two members in grades 7, 8 and 9.
 - d. Division IV - team of two members in grades 10, 11 and 12.
3. NEW – Continuation projects are possible within the same division and category for the Agriscience Fair as long as the proper forms are completed.
4. Eligibility for National FFA Agriscience Fair participation:
 - a. The winning project in each category in each division will have the opportunity to submit National FFA forms to the Iowa FFA Association by June 1.

- b. Those forms will be reviewed by the Iowa FFA Association prior to submission to the National FFA on July 1.
- c. A panel of judges at the national level will select the top fifteen projects in each category in each division for participation in the National FFA Agriscience Fair.

III. Resource Information

1. State Science and Technology Fair of Iowa – www.sciencefairiowa.org
2. National FFA Agriscience Fair - <https://www.ffa.org/Programs/Awards/AgriscienceFair/Pages/default.aspx#>

IV. Awards

State:	All Participants	SSTFI Certificate	(Awarded in Chapter Packet at SSTFI)
	<u>Each Category/Division</u>		
	1 st Place Individual	Medallion	(Awarded on Stage at SSTFI)
	2 nd Place Individual	Medallion	(Awarded on Stage at SSTFI)
	3 rd Place Individual	Medallion	(Awarded on Stage at SSTFI)
	<u>Each Category/Division</u>		
	1 st Team Members	Medallions	(Awarded on Stage at SSTFI)
	2 nd Team Members	Medallions	(Awarded on Stage at SSTFI)
	3 rd Team Members	Medallions	(Awarded on Stage at SSTFI)
	<u>Overall Winners</u>		
	Category Overall Winners	Ribbon	(Awarded on Stage at SSTFI)
	Division I	Plaque	(Awarded on Stage at SSTFI)
	Division II	Plaque	(Awarded on Stage at SSTFI)
	Division III	Plaques	(Awarded on Stage at SSTFI)
	Division IV	Plaques	(Awarded on Stage at SSTFI)

All awards subject to available sponsorship through the Iowa FFA Foundation.

Iowa FFA Agriscience Fair

Judges Comment Sheet --Individual Form--

PS117

1 Botany

Corn vs Beans

STANDARDS	JUDGE'S COMMENTS					SCORE	
<u>CREATIVE ABILITY</u> <i>well-defined, original</i> problem is of significance, focused and clear	Excellent	Good	Average	Fair	Poor	(15)	
<u>SCIENTIFIC THOUGHT OR TECHNOLOGY GOALS</u> <i>clear hypothesis</i> and high quality plan for scientific or technology investigation, <i>accurate observations</i> and data analysis, <i>valid</i> identification and <i>interpretation</i> of conclusions, a well reasoned argument	Excellent	Good	Average	Fair	Poor	(30)	
<u>THOROUGHNESS</u> project carried out with careful and appropriate investigative <i>procedures</i> and <i>methods, well-documented</i> investigation	Excellent	Good	Average	Fair	Poor	(15)	
<u>TECHNICAL SKILL</u> <i>exhibit</i> is well constructed, <i>visual</i> presentation is carefully prepared and effective	Excellent	Good	Average	Fair	Poor	(15)	
<u>CLARITY AND DRAMATIC VALUE</u> <i>oral presentation</i> is <i>effective</i> and <i>concise</i> , student is able to engage in <i>meaningful</i> <i>discussion</i> and <i>answer</i> <i>questions</i> about project, clearly understands project	Excellent	Good	Average	Fair	Poor	(10)	Judges Name (Print): _____ Judges Signature: _____
<u>AGRICULTURAL APPLICATIONS</u> Student is able to <i>apply</i> the research to current agricultural processes	Excellent	Good	Average	Fair	Poor	(15)	
General Constructive Comments:							Total: _____ (100 Possible)

Please Circle One: **GOLD**
 1471 South O'Brien Secondary School

SILVER

BRONZE

Iowa FFA Agriscience Fair

Judges Comment Sheet --Team Form--

PS322

Division: 3 Category: Botany

Soil Experiment With sunflowers

STANDARDS	JUDGE'S COMMENTS					SCORE
CREATIVE ABILITY <i>well-defined, original</i> problem of significance	Excellent	Good	Average	Fair	Poor	(15)
SCIENTIFIC THOUGHT OR TECHNOLOGY GOALS <i>clear hypothesis</i> and high quality plan for scientific or technology investigation, <i>accurate observations</i> and data analysis, <i>valid</i> identification and <i>interpretation</i> of conclusions	Excellent	Good	Average	Fair	Poor	(30)
THOROUGHNESS project carried out with careful and appropriate investigative <i>procedures</i> and <i>methods, well-documented</i> investigation	Excellent	Good	Average	Fair	Poor	(10)
TECHNICAL SKILL <i>exhibit</i> is well constructed, <i>visual</i> presentation is carefully prepared and effective	Excellent	Good	Average	Fair	Poor	(10)
CLARITY AND DRAMATIC VALUE <i>oral presentation</i> is <i>effective</i> and <i>concise</i> , student is able to engage in <i>meaningful discussion</i> and <i>answer questions</i> about project	Excellent	Good	Average	Fair	Poor	(10)
AGRICULTURAL APPLICATIONS Student is able to <i>apply</i> the research to current agricultural processes	Excellent	Good	Average	Fair	Poor	(15)
TEAMWORK <i>presented equally</i> by all team members, evidence that <i>the project was a team effort</i> , all members able to <i>answer questions</i> and <i>discuss project</i>	Excellent	Good	Average	Fair	Poor	(10)

Judges Name (Print): _____

Judges Signature: _____

General Constructive Comments:

Total: _____

(100 Possible)

Please Circle One: **GOLD**
1043 Linn-Mar High School

SILVER

BRONZE