CATA Curricular Code Change Proposal

Make a copy of this document. In order to input information.

Contest:	Agriscience Fair
Proposed by: (Name, School, Email)	Jason Ferreira, Hanford High School, jferreira@hjuhsd.k12.ca.us

Issue: (Describe the reason/rationale for the proposed change.)

Now that National FFA has determined the Agriscience Fair to be the Agriscience SAE Award Program it makes sense to have the Agriscience SAE Award Program run similarly to the Proficiency Award Program. The only component of the Agriscience Fair that will remain the same is the Silver Bowl Chapter Group Competition.

Please answer yes or no to ALL the questions below.

This proposal will require a contest to open out of rotation	X
The change will affect General Rules	
The change will affect the awards needed.	
Which JudgingCard scorecard will be used for tabulations.	
The proposed change will affect contest forms.	
The proposed change will affect contest hosting site. (e.g. additional facilities, new sections, additional scoring, etc.)	

If you answered yes to any of the above questions, you need to include the following signatures: Click here for link to CDE Contest Advisor and Coordinator list.

CATA Approved Contest Advisor's Signature	Jason Ferreira
CDE Host Site Contest Coordinator's Signature agreeing that changes are able to be accommodated by the host site.	JessaLee Goehring

If you answered yes to any of the above questions, please explain.

*It is highly recommended that you, or a representative, attend the pre-conference governing board meeting to answer any questions regarding proposed curricular code changes to contests that are requested to be opened out of rotation.

SAE programming and having the opportunity to make changes at the state level now will help us keep pace with the National FFA Changes.
Description: (Describe what is changing.)
Removing the Agriscience Fair Individual Component from the curricular code to be ran similar to the Proficiency Award Program.
Proposed CATA Code Change: (Only include the section that the proposed change pertains to – do not include the entire contest. Reference numbered section. If editing text, show new text with old text in parenthesis. For large changes, set track changes in the Word document and attach the file, with edits, to this document when submitting.)
Removal of the Agriscience Fair SAE portion from the curricular code and keep the Chapter Group Competition.

The National FFA Agriscience SAE Award Program is making significant changes to the operations of the Agriscience Research

Instructions for Submitting Curricular Code Change

- Make sure the form is complete.
- Download and Submit this document as a PDF
 - \circ Click File \to Download \to Download as a PDF
- If your proposal requires signatures make sure to contact the contest advisor and

contest host. **Tip:** Docusign, Doc Hub are great sources for digital signature requests. \circ <u>Click Here</u> for contest Host and Advisor List

• Email completed Curricular Change Proposal PDF to cata@calagteachers.org by June 1st.

Warning: Make sure you add all the topics or concerns you would like to discuss at the Curricular Code CDE meeting. If it's not posted on the CATA Curricular Code Changes website by June 1st, it **cannot** be discussed.

AGRISCIENCE FAIR CHAPTER GROUP

Revised 6/2022

Purpose and Standards

The FFA Agriscience Fair recognizes middle and high school students who are studying the application of scientific principles and emerging technologies in agricultural enterprises.

Goals

- Provide students with an opportunity to use the scientific process.
- Provide students an opportunity to achieve local, state and national recognition for their accomplishments in agriscience.
- Reinforce skills and principles learned in agriscience courses.
- Provide an opportunity for students to demonstrate and display agriscience projects that are products of their agriscience courses.
- Provide recruiting and promotional opportunities for agriscience programs.

Foundation Standards: 1.0 Academic (1.1 Math, 1.2 Science), 2.0 Communications (2.1-2.4), 4.0 Technology, 5.0 Problem Solving and Critical Thinking, 6.0 Health and Safety, 7.0 Responsibility and Flexibility, 8.0 Ethics and Legal Responsibilities, 9.0 Leadership and Teamwork (Team Projects), 10.0 Technical Skills, 11.0 Demonstration and Application.

Pathway Standards: All pathway standards (A-G) are addressed according to specific agriscience category.

Contestants

Any 7th - 12th grade student enrolled in an agriculture course is eligible to exhibit at the Fair. The student's agricultural education teacher must certify all projects entered.

Classes

Class	Individual Points	Team Points
Paper	100	300 (25%)
Exhibit	50	
Interview		360 (75%)
TOTAL	150	660

See notes under rules.

Tie Breaker

If a tie exists, the winning projects will be determined by highest paper score. If a tie still exists, the common panel of judges will determine the winner.

Agriscience Fair Rules

I. Judging Divisions

- A. Division I Individual member in grades 7th & 8th (Discovery)
- B. Division II Team of two members in grades 7th & 8th (Discovery)
- C. Division III Individual member in grades 9th & 10th (Novice)
- D. Division IV Team of two members in grades 9th & 10th (Novice)
- E. Division V Individual member in grades 11th & 12th (Advanced)
- F. Division VI Team of two members in grades 11th & 12th (Advanced)

II. Judging Categories

There are six different categories. They are:

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.

Examples:

- Effects of packaging techniques on food spoilage rates
- Resistance of organic fruits to common diseases
- Determining chemical energy stored in foods
- Control of molds on bakery products

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.

Examples:

- Effect of agricultural chemicals on water quality
- Effects of cropping practices on wildlife populations
- Compare water movements through different soil types

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.

Examples:

- Compare nutrient levels on animal growth
- Research new disease control mechanisms
- Effects of estrous synchronization on ovulation
- Compare effects of thawing temperatures on livestock semen
- Effects of growth hormone on meat/milk production

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.

Examples:

- Determine rates of transpiration in plants
- Effects of heavy metals such as cadmium on edible plants
- Compare GMO and conventional seed/plant growth under various conditions
- Effects of lunar climate and soil condition on plant growth
- Compare plant growth of hydroponics and conventional methods

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.

Examples:

- Develop alternate energy source engines
- Create minimum energy use structures
- Compare properties of various alternative insulation products
- Investigation of light/wind/water energy sources

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.

Examples:

- Investigate perceptions of community members towards alternative agricultural practices
- Determine the impact of local/state/national safety programs upon accident rates in agricultural/natural resource occupations
- Comparison of profitability of various agricultural/natural resource practices
 Investigate the impact of significant historical figures on a local community
 Determine the economical effects of local/state/national legislation impacting agricultural/natural resources

If the judges feel the project doesn't match the category it will be disqualified.

Teachers should use the National FFA Agriscience website and the National FFA

Category Jot Form to clarify the correct category for projects prior to submission.

III. There shall be six categories at the Agriscience Fair.

- A. Individual and team projects will be judged separately within each of the six categories.

 There will be winners designated from each of the six divisions in all six categories.
- B. At the State Finals competition, all projects in each division within each category will be placed through 3rd place and the results will be distributed.
- C. All winners from Divisions I through VI will be selected on ranking from the display board and paper. Each division will produce a winner which will represent California in National FFA Competition. Projects selected to represent a Chapter Group will still be judged in the traditional manner to compete for category honors and the chance in the National FFA Competition.
- D. Chapters will be allowed to enter as many exhibits per category as they choose.
- E. Individual and team projects that receive first place or represent California at the National Agriscience Fair are indefinitely banned from competing in the same category and division.
- IV. Selection of the State Champion Chapter Group.
 - A. For the selection of the overall top five State Champion Chapter Group, in each division Discovery (7th & 8th grade), Novice (9th & 10th grade), and Advanced (11th & 12th grade) schools in the Agriscience Fair, each chapter will select three projects to be considered for the Chapter Group competition. The three projects may be composed of individual or team projects. Discovery Chapter groups will consist of projects from Divisions I and/or II any

- category. Novice Chapter groups will consist of projects from Division III and/or IV any category. Advanced Chapter groups will consist of projects from Division V and/or VI any category.
- B. Teams will be identified when papers are submitted and any substitutions must be made with the contest coordinator 30 days prior to competition by 8 a.m.
- C. A maximum of five Chapter Groups per division (as defined in part A of this section) as determined by a screening panel using the appropriate prequalifying rubric to score written reports and display boards, will be interviewed for the Chapter Group competition at the California State FFA Conference. All remaining teams will be placed using written report screening score only. Chapter Groups will be notified seven days prior to competition.
- D. Judging and scoring of projects will be modeled after the National FFA Agriscience Fair. The student or students from each project must be in attendance for a ten (10) minute presentation and interviewed on the day of the competition. A common panel of judges will interview the student or students making up each team. Interviews will take place in front of the students' display board.
- E. Scoring the projects will be based on the three (30) ten (10) minute student interview and five (5) minutes for the judges to review the paper and display board. The judges will use the National Agriscience scorecard for judging the projects and score sheets from the judges will be added up from each project to compose the chapter's overall Chapter Group score.
- F. The Chapter Group will be placed first through fifth based on overall Chapter Group points and there shall be awarded a team championship at the Discovery, Novice, and Advanced levels.

V. Exhibit Requirements

- A. Each student and/or team of students may enter only one project. Projects entered by a team of two students are allowed.
- B. Exhibited projects and research papers shall be the result of the student(s) own efforts.
- C. Judges will request at least the top three to top six manuscript scored papers for scoring of display boards in each category and division in a virtual format through AET.
- D. Only the requested display boards will be on display at the California FFA Leadership Conference.
- E. If an exhibit becomes unsafe or unsuitable for display during the Fair, it will be removed and deemed ineligible for any awards.
- F. Projects, which involve vertebrate animals, must conform to the California State Education Code Section 514540. In general, this code section says that you must not do an experiment that would in any way cause pain, harm or death to the animal. Experiments on live animals involving surgery, the removal of parts, injection of harmful chemicals, exposure to harmful environments, etc., are not acceptable at the FFA Agriscience Fair.
- G. Live vertebrates are not permitted at the Fair.
- H. Lasers may not be used in any exhibit.
- I. No exhibit shall have open flames. Any part of an exhibit that can get hotter than 100 degrees Celsius (boiling water temperature) must be adequately protected from its surroundings.
- J. If your exhibit includes electrical wiring or devices, they must be safe. For voltages above 20 volts you must take some special precautions. Even if you do not use higher voltages, make all your connections secure and provide suitable protection against short circuits, etc.
- K. All wiring carrying more than 20 volts must be well insulated. Also the connections must either be soldered or secured by UL approved fasteners. The wire used must be insulated adequately for the maximum voltage that will be present and the wire must be of sufficient

- size to carry the maximum current you anticipate. You may not use open knife switches or doorbell-type push buttons in circuits using more than 20 volts.
- L. If your exhibit will be connected to 120 volt AC power (plugged into a wall outlet), you must provide fuses or circuit breakers to protect not only your exhibit but also any others that may share the same source of power. The power cord you use must be UL approved for the voltage and current it will be carrying, and it must be at least 1.8 meters (6 feet) long.
- M. Exhibits requiring voltage in excess of 120 volts AC are not allowed.
- N. Dangerous and combustible materials are prohibited.
- O. Toxic and hazardous chemicals are prohibited.
- P. Each exhibit may consist of one or more continuous panels of information and any objects the student wishes to display within the guidelines. The exhibit panels must be constructed so that they are stable and free standing. The exhibit panels may be of poster board construction.
- Q. The official maximum size for an Agriscience Fair project is 48 inches wide by 39 inches deep (the distance from front to back) by 5 feet high.
- R. All Agriscience projects **must** have a board tag containing the following information attached to the **front** upper right hand corner of the exhibit and on each research paper cover/title page or board will be disqualified:
 - Name of person(s) responsible for developing project
 - -- Chapter Name
 - -- Category Name Entered
 - Division Entered (Division I, II, III, IV, V, VI)
- VI. Exhibited projects and research papers shall be the result of the student(s) own efforts. The statement of originality must be submitted as the first page of the field book. Failure to submit the complete statement of originality with the field book will disqualify the research project.

ample Statements of Original	y (Student and Instructor)	
l have defi preparation of this exhib	ed, researched, and written my own paper and am responsible for the during theschool year.	
- Signature	——————————————————————————————————————	
I,as the true.	FΓΑ chapter advisor, verify that this statement of originality is	t
		

If this statement is found to be untrue, the research project will be disqualified.

- VII. Each exhibit must present original field data uploaded through AET along with the submission of the display board in AET or the project will be disqualified.
 - A. Data in the field book will be collected from June 1 of the current academic year unless it is identified as an extension project as defined by the National FFA.
- VIII. Set-up Requirements
 - A. The State Agriscience Fair will be held in conjunction with the California FFA Leadership Conference.

- B. Exhibitors identified by the judges must have their projects set up on the date and time specified by the State FFA Advisor.
- C. Judging will occur prior to the California FFA Leadership Conference, with only the top display boards invited to display on the date and time specified by the State FFA Advisor.
- IX. Scoring of Boards
 - A. Each category and division may have a minimum of the top three to top six scored based on the paper score and consensus of the judges in that category and division. Finalists will be notified seven days prior to competition.

Exhibit Score Sheet

Project #	Project Category:	Division (circle one): Novice	Advances
Author:		Chantor	
Author.		Chapter	_
Project Title:			
roject ritie			

Criteria Pts. Poss. Score		
Creative Ability (15 points)	-Possible	Earned
Display captures the attention with appropriate colors, graphics, props etc. (Penalty for live animals or hazardous substances = 20 points)	5	
Display components are legible and well written, with no errors in spelling, punctuation, or grammar.	5	
A field book is present and raw data is recorded in an appropriate manner.	5	
Scientific Thought / Goal (15 points)	-	-
The research questions or hypothesis are explicitly stated.	4	
Materials and methods describe the design of the study or experiment including information on treatments and replication.	5	
The findings are clearly presented using tables and graphs to summarize data as appropriate.	3	
The conclusions explain the significance of the findings.	3	
Thoroughness / Clarity (15 points)	-	-
All the sections of the paper are reflected in the display board: introduction, purpose and objectives, methods and materials, findings, and conclusions.	5	
Overall impact of display: unity, completeness.	10	
Skill (5 points)	-	-
Points for exceptional: idea, difficulty, complexity, quality of execution, significance of findings.	5	
Total Score Exhibit	50	

X. Research Paper

(https://ffa.app.box.com/s/cf4o9ys85ieer7z5xqcjn17raji0tvgp/file/289991270987)

- A. Research papers are to be typed, double spaced and recommended 3 12 pages in length but not to exceed 15 pages, no smaller than a 12-point font and not less than a 1-inch margin. The 15-page research paper will include Parts 1-6.
- B. After page 15 the score will discontinue scoring.
- C. A "Statement of Originality" signed by the student(s) and ag teacher(s) responsible must be submitted along with the research paper as an addendum.
- D. It is recommended that at least two judges be provided for each category to judge the exhibits in a timely fashion.
- E. It is suggested that qualifying contests be conducted in each Region, however, all interested participants may compete at the State FFA Agriscience Fair competition.
- F. An electronic copy must be received by the contest coordinator 30 days prior to the fair or the project will be disqualified. No exceptions.
- G. Cover page should include the following in the bottom right corner:
 - -- Name of person(s) responsible for developing project
 - -----Chapter Name
 - Category Name Entered
 - Division Entered (Division I, II, III, IV, V, VI)

Failure to include the above will result in disqualification.

- H. The research paper must be arranged using the American Psychological Association (APA) citation and format style using the Online Writing Lab (OWL) at Purdue University as a reference. (This portion including parts 1-7 applies to divisions 3-6 only)
 - Part 1 Introduction
 - Why is the topic important to the agriculture industry?
 - What problem does the investigation solve for agriculture?
 - Literature review clearly details what information currently exists concerning the research project. References support information and are properly cited.

Part 2 - Materials and Methods

- Written in third person.
- Encompasses all material required.
- Statistical procedures are included in this section.

Part 3 - <u>Hypotheses/Anticipated Results</u>

Clearly states the hypothesis and/or anticipated results

Part 4 - Results

- Trends and relationships are clearly addressed; no conclusions are stated in this
 area.
- Data that can stand alone in the form of tables and/or figures are included.

Part 5 - Discussion

How did your results relate to the literature review (other's work) section?

Part 6 - References

- List of references cited in the research paper.
- The research paper must be arranged using the American Psychological Association (APA) citation and format style using the Online Writing Lab (OWL) at Purdue University as a reference.

Part 7 - Acknowledgements

- Detailed list or paragraph is included acknowledging anyone who assisted with ANY aspect of the project and how they helped.
- I. Plagiarism An agriscience fair project must be the result of a student's own effort and ability. However, in securing information such as direct quotes or phrases, specific dates, figures or other materials, that information must be marked and identified appropriately. Non-compliance represents plagiarism and will automatically disqualify a participant.

Student researcher(s) may not:

- In any way falsify a permission form, scientific paper or display.
- Use another person's results or thoughts as their own even with the permission of this person. This includes work done by a family member or a mentor.
 - Use information or data obtained from the internet without proper citation.
- Re-enter a project with only minor changes.

California FFA Agriscience Research Paper Score Sheet

Division 1-2

Project #	Author:
Project Title:	

Area	High Point	Medium Point	Low Points	Points	Points
	15-11 points	10-6 points	5-1 points	Possible	Earned
Importance	The importance includes a	The importance includes	The importance includes	15	
mportance	one paragraph answer for	a one paragraph answer	a one paragraph answer	13	
	each question that clearly	for each question that	for each question that		
	answers:	vaguely answers:	poorly answers:		
	Why is the topic important	Why is the topic	Why is the topic		
	to the agriculture industry?	important to the	important to the		
	What problem does the	agriculture industry?	agriculture industry?		
	investigation solve for	What problem does the	What problem does the		
	agriculture?	investigation solve for	investigation solve for		
	ag. cantair c	agriculture?	agriculture?		
Area	High Point	Medium Point	Low Points	Points	Points
7.1.00	15-11 points	10-6 points	5-1 points	Possible	Earned
Other's Work	Clearly details what	Poorly details what	Does not detail what	15	
ounce o work	information currently exists	information currently	information currently	13	
	concerning the research	exists concerning the	exists concerning the		
	project. Reference where	research project.	research project.		
	the information was found	Reference where the	Reference where the		
	(website, book, article,	information was found	information was found		
	etc.,) is listed, then a	(website, book, article,	(website, book, article,		
	paragraph written by the	etc.,) is listed, then a	etc.,) is listed, then a		
	student researcher(s)	paragraph written by the	paragraph written by the		
	clearly describing the	student researcher(s)	student researcher(s)		
	reference and information	vaguely describes the	poorly describes or is not		
	it provided for each	reference and information	included on what the		
	publication used.	it provided for each	reference says for each		
		publication used.	publication used.		
Area	High Point	Medium Point	Low Points	Points	Points
7.11.00	10-8 points	7-5 points	4-1 points	Possible	Earned
Materials &	Clearly written to enable	Not written clearly to	Written poorly so that	10	
Methods	others to replicate the	enable others to replicate	others cannot replicate	10	
Wicthous	study and results. Section	the study and results.	the study and results.		
	is written in first person	Section may or may not	Section is not written in		
	and encompasses all	be written in first person	first person and does not		
	materials required. If used,	and encompasses all	encompass all materials		
	the statistical procedures	materials required. The	required. The statistical		
	are included. A narration of	statistical procedures are	procedures are not		
	the steps taken to	included but are unclear.	included. Steps taken to		
	complete the experiment is	A narration of the steps	complete the experiment		
	included.	taken to complete the	are listed.		
		experiment is included.			

	5-4 points	3-2 points	1-0 points	Possible	Earned
Hypothesis/	Student researcher(s)	Student researcher(s)	Student researcher(s) do	5	
Anticipated	clearly state the hypothesis	vaguely state the	not state or poorly state	,	
Results	and/or anticipated results.	hypothesis and/or	the hypothesis and/or		
Results	i i	anticipated results.	anticipated results.		
Area	High Point	Medium Point	Low Points	Points	Points
7.1.00	20-14 points	13-7 points	6-0 points	Possible	Earned
Results	Written results of the	Written results of the	Written results of the	20	
Results	project are summarized.	project are incompletely	project are poorly	20	
	Trends and relationships	summarized. Trends and	summarized. Trends and		
	are clearly addressed. No	relationships are vague.	relationships are not		
	conclusions are made in	No conclusions are made	addressed. Data is not		
	this section. Data that can	in this section. Data that	appropriately included as		
	stand alone in the form of	can stand alone in the	tables and figures.		
	tables and/or figures are	form of the table and/or			
	included.	figures are sometimes			
		included.			
Area	High Point	Medium Point	Low Points	Points	Points
	10-8 points	7-5 points	4-1 points	Possible	Earned
Discussion	The discussion includes	The discussion includes	The discussion poorly	10	
	clear, detailed answers for	vague answers for each	answers each question:		
	each question:	question:	What do the results of the		
	What do the results of the	What do the results of	study mean?		
	study mean?	the study mean?	How are they related to		
	How are they related to	How are they related to	what others found in the		
	what others found in the	what others found in the	"Other's Work" section?		
	"Other's Work" section.	"Other's Work" section?			
Area	High Point	Medium Point	Low Points	Points 1	Points
	10-8 points	7-5 points	4-1 points	Possible	Earned
Conclusion	The conclusion clearly	The conclusion vaguely	The conclusion poorly	10	
	states what should be done	states what should be	states what should be		
	and/or changed as a result	done and/or changed as a	done and/or changed as a		
	of the research. Clearly	result of the research. The	result of the research. The		
	states what the next steps	next steps for research	next steps for research		
	are to continue the	are unclear.	are not included.		
	research.				
Area	High Point	Medium Point	Low Points		
				Points	Points
	10-8 points	7-5 points	4-1 points	Points Possible	Points Earned
Summary	The summary is two to	The summary is two to	The summary is two to		
Summary	The summary is two to three paragraphs	The summary is two to three paragraphs vaguely	The summary is two to three paragraphs that	Possible	
Summary	The summary is two to three paragraphs describing the study	The summary is two to three paragraphs vaguely describing the study	The summary is two to three paragraphs that poorly describes the	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely	The summary is two to three paragraphs that poorly describes the study conducted. Why the	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s)	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s)	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study,	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study, why the study is important	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to conduct the study, why	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the study, why the study is	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry,	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to conduct the study, why the study is important to	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the study, why the study is important to the	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry,	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted,	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was found by conducting the	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was found by	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was found by conducting the study and how the results	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was found by conducting the	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was found by conducting the study and	Possible	
Summary	The summary is two to three paragraphs describing the study conducted. Describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was found by conducting the study and how the results apply within the	The summary is two to three paragraphs vaguely describing the study conducted. Vaguely describes why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry; how the study was conducted, what was found by conducting the study and how the results	The summary is two to three paragraphs that poorly describes the study conducted. Why the student researcher(s) chose to conduct the study, why the study is important to the agriculture industry, how the study was conducted, what was found by conducting the study and how the results apply	Possible	
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Project #_

Project Title:

Author:

currently exists concerning

the research project. The

	any aspect of the project and how they helped.	anyone who assisted with any aspect of the project.	any aspect of the project and how they helped.		
Area	High Point 2 points	Medium Point 1 points	Low Points 0 points	Points Possible	Points Earned
Spelling/Gra mmar	APA or MLA citation style writing is used throughout the report. Student researcher(s) use complete sentences; no spelling or grammar errors present.	APA or MLA citation style writing is used. Student researcher(s) use complete sentences; minor spelling or grammar errors present.	APA or MLA citation style writing is not used. Student researcher(s) do not use complete sentences; excessive spelling or grammar errors are present.	2	
Total Score				100	

California FFA Agriscience Research Paper Score Sheet

Division 3-6

3 points	2 points	1 points	Possible	Earned
				-
Abstract is brief and	Abstract describes the	Abstract poorly describes	3	
concisely describes the	purpose, methods, results	the purpose, methods,		
purpose, methods, results	and conclusions. Abstract	results and conclusions.		
and conclusions. Abstract	does not include cited	Abstract includes cited		
does not include cited	references. Abstract is	references. Abstract is		
references. Abstract is no	longer than one page.	longer than one page.		
longer than one page.	Arrangement makes the	Arrangement makes the		
Arrangement makes the	purpose, procedure,	purpose, procedure,		
purpose, procedure,	results and conclusions	results and conclusions		
results and conclusions	vague.	unclear		
clear.				
High Point	Medium Point	Low Points	Points	Points
10-8 points	7-5 points	4-1 points	Possible	Earned
Introduction answers the	Introduction answers the	Introduction does not	10	
question "Why was the	question "Why was the	answer the question		
work done?" It clearly	work done?" It vaguely	"Why was the work		
states the problem that	states the problem that	done?" It does not state		
justifies conducting the	justifies conducting the	the problem that justifies		
research, the purpose of	research, the purpose of	conducting the research,		
the research, its impact on	the research, its impact	the purpose of the		
agriculture, the findings of	on agriculture, the	research, its impact on		
earlier work and the	findings of earlier work	agriculture, the findings		
general approach and	and the general approach	of earlier work and the		
objectives.	and objectives.	general approach and		
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The literature review	The literature review	The Literature review	10	
-	purpose, methods, results and conclusions. Abstract does not include cited references. Abstract is no longer than one page. Arrangement makes the purpose, procedure, results and conclusions clear. High Point 10-8 points Introduction answers the question "Why was the work done?" It clearly states the problem that justifies conducting the research, the purpose of the research, its impact on agriculture, the findings of earlier work and the general approach and	purpose, methods, results and conclusions. Abstract does not include cited references. Abstract is no longer than one page. Arrangement makes the purpose, procedure, results and conclusions clear. High Point 10-8 points Introduction answers the question "Why was the work done?" It clearly states the problem that justifies conducting the research, its impact on agriculture, the findings of earlier work and the general approach	purpose, methods, results and conclusions. Abstract does not include cited references. Abstract is no longer than one page: Arrangement makes the purpose, procedure, results and conclusions vague. High Point 10-8 points Introduction answers the question "Why was the work done?" It clearly states the problem that justifies conducting the research, its impact on agriculture, the findings of earlier work and the general approach and objectives: and conclusions. Abstract does not include cited references. Abstract is longer than one page: Arrangement makes the purpose, procedure, results and conclusions unclear Arrangement makes the purpose, procedure, results and conclusions unclear Medium Point 7-5 points Introduction answers the question "Why was the work done?" It clearly states the problem that justifies conducting the research, its impact on agriculture, the findings of earlier work and the general approach and objectives: Abstract includes cited references. Abstract is longer than one page: Arrangement makes the purpose, procedure, results and conclusions. Abstract includes cited references. Abstract is longer than one page: Arrangement makes the purpose, procedure, results and conclusions unclear Low Points 1-1 points 1-1 points 1-2 points 1-3 points 1-4 points 4-1 points 4	purpose, methods, results and conclusions. Abstract does not include cited references. Abstract is longer than one page. Arrangement makes the purpose, procedure, results and conclusions vague: High Point 10-8 points Introduction answers the question "Why was the work done?" It clearly states the problem that justifies conducting the research, the purpose of the research, its impact on agriculture, the findings of earlier work and the general approach and objectives. and conclusions. Abstract does not include cited references. Abstract is longer than one page. Arrangement makes the purpose, procedure; results and conclusions vague. Arrangement makes the purpose, procedure; results and conclusions unclear Arrangement makes the purpose, procedure; results and conclusions unclear Arrangement makes the purpose, procedure; results and conclusions unclear Arrangement makes the purpose, procedure; results and conclusions unclear Arrangement makes the purpose, procedure; results and conclusions of earlier work and the general approach and one page. Arrangement makes the purpose, procedure; results and conclusions unclear Arrangement makes the purpose, procedure; results and conclusions of earlier work and the general approach and one page. Arrangement makes the purpose, procedure; results and conclusions unclear Arrangement makes the purpose, procedure; results and conclusions of earlier work and the general approach and one page. Arrangement makes the purpose, procedure; results and conclusions of earlier work and to conclusions of earlier work and the general approach and onclusions of earlier work and the general approach and onclusions of earlier work and the general approach and onclusions of earlier work and the general approach and onclusions of earlier work and the general approach and onclusions of earlier work and the general approach and onclusions of earlier work and the general approach and onclusions of earlier work and the general approach and onclusions of earlier work and the general approa

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research and material-cited such as articles about similar studies, similar research. Some materials cited includes articles about similar studies, similar research methods, history of the research and other items that support the current knowledge base for the topic and how the project might complement existing information. Area High Point 15-11-points Clearly without a study and results. Section is swritten in third person, encompasses all materials required, states the study design. If used the results is reclearly addressed. No conclusions are made in this section. Data that can stand alone in the form of tables and/or figures are included. Area High Point 20-14-points Written results is brief recap of the results is brief rec						
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other items that support the current knowledge base for the topic and how the project might complement casting information: Area High Point 15-14 points 10-6 points others to replicate the study and results scheduled the study design: if used, the statistical procedures are included: Area High Point 15-14 points 15-17 points 15-19 points 15-1		· ·				
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Area	High Point	Medium Point	Low Points	Points	Points
	2 points	1 points	0 points	Possible	Earned
Acknowledge ments	Detailed list or paragraph is included acknowledging anyone who assisted with any aspect of the project and how they helped.	A list or paragraph is included acknowledging anyone who assisted with any aspect of the project.	A list or paragraph is not included acknowledging anyone who assisted with any aspect of the project and how they helped.	2	
Area	High Point 10-8 points	Medium Point 7-5 points	Low Points 4-1 points	Points Possible	Points Earned
References	References contain significant, published and relevant sources.	References listed are somewhat significant, published and relevant sources.	References listed are not significant, published and relevant sources.	10	
APA Style/Spellin g	APA citation style writing is used throughout the report. No spelling or grammar errors are present.	APA citation style writing is used. Minor spelling or grammar errors are present.	APA citation style writing is not used. Excessive spelling or grammar errors are present.	10	
Total Score				100	