

# References and Resources

## Agriscience Fair Prequalifying Score Sheet

Student(s) : \_\_\_\_\_ State: \_\_\_\_\_

Category: \_\_\_\_\_ Division: \_\_\_\_\_

Each category should be scored separately as determined by point values listed. The total possible score for the entire sheet is 100 points.

\_\_\_\_\_ **5 pts. Title Page:** Title precisely describes the work with no more than 3 lines and 15 words maximum. All numbers, chemical elements and compounds should be spelled out. Page should include Agriscience Fair category and division, student name, grade, school and school address.

\_\_\_\_\_ **5 pts. Abstract:** Abstract is brief and concisely describes the purpose, methods, results and conclusion. Abstract should not include the title or cited references. It should be no longer than one page. Arrangement of information should make the purpose, procedure and conclusion clear.

\_\_\_\_\_ **10 pts. Introduction:** Introduction should answer the question “Why was the work done?” It should clearly state the problem that justifies conducting the research, the purpose of the research, the findings of earlier work and the general approach and objectives. It should include the objectives.

\_\_\_\_\_ **10 pts. Literature Review:** Literature Review should detail what information currently exists concerning the research project. Information listed should be materials used in the research. Material cited would include articles about similar studies, similar research methods, history of the research area and other items that support the current knowledge base for the topic and how the project might complement existing information.

\_\_\_\_\_ **20 pts. Materials and Methods:** The materials and methods section should enable others to reproduce the results by duplicating the study. It should be written in third person, encompass all of the materials required, and state the hypothesis. It should include statistical procedure if employed.

\_\_\_\_\_ **20 pts. Results:** This section should be a summary of the results the project has produced. Trends and relationships are clearly addressed, but no conclusions should be made. Section should include data (tables, figures) that can stand alone and include headings, labels and proper units of measure. Captions for each table are placed above the table and a caption for a figure is placed below the figure. Both are at least two point sizes smaller than the point size of the figure’s text and are single spaced.

\_\_\_\_\_ **20 pts. Discussion and Conclusions:** This section should show that the conclusions were drawn from the results of the study and how the results relate to the hypothesis. It should contain a brief recap of the results and show how the results were a foundation for the study. Explanations should be clear if the results were not as expected. Sound reasoning is used to make conclusions that rely on both literature and results. Discussion should reference facts and figures from results section. Conclusion should be editorial in nature.

\_\_\_\_\_ **5 pts. References:** References should contain significant, published and relevant sources. APA style recognized citation is used throughout the report.

\_\_\_\_\_ **5 pts. Acknowledgements:** This section should include a list or paragraph acknowledging anyone who helped in any aspect of the project and how they helped.

\_\_\_\_\_ /100 TOTAL SCORE

*In the event of a tie, qualification for the agriscience fair will be based on the scores received in the following sections in order: Discussions and Conclusions; Results; Materials and Methods.*

## Agriscience Fair Prequalifying Rubric

Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Title Page</b>	5 Points	Title precisely describes the work with no more than 3 lines and 15 words maximum. All numbers, chemical elements and compounds should be spelled out. Page should include Agriscience Fair category and division, student name, grade, school and school address. No spelling or grammar errors are present.	Title vaguely describes the work with no more than 3 lines and 15 words maximum. All numbers, chemical elements and compounds should be spelled out. Page should include student name, grade, school and school address. Minor spelling or grammar errors are present.	Title poorly describes the work and includes more than 3 lines and 15 words maximum. All numbers, chemical elements and compounds are not spelled out. Page should include student name, grade, school and school address. Excessive spelling or grammar errors are present.	
Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Abstract</b>	5 Points	Abstract is brief and concisely describes the purpose, methods, results and conclusion. Abstract does not include title or cited references. Abstract is no longer than one page. Arrangement makes the purpose, procedure and conclusion clear. No spelling or grammar errors are present.	Abstract describes the purpose, methods, results and conclusion. Abstract does not include title or cited references. Abstract is longer than one page. Arrangement makes the purpose, procedure and conclusion vague. Minor spelling or grammar errors are present.	Abstract is poorly describes the purpose, methods, results and conclusion. Abstract includes title or cited references. Abstract is longer than one page. Arrangement makes the purpose, procedure and conclusion are not clear. Excessive spelling or grammar errors are present.	
Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Introduction</b>	10 Points Weighted Area	Introduction answers the question "Why was the work done?" and clearly states the problem that justifies the research being conducted, purpose of research, findings of earlier work, general approach and objectives. No spelling or grammar errors are present.	Introduction answers the question "Why was the work done?" and vaguely states the problem that justifies the research being conducted, purpose of research, findings of earlier work, general approach and objectives. Minor spelling or grammar errors are present.	Introduction does not answers the question "Why was the work done?" and does not states the problem that justifies the research being conducted, purpose of research, findings of earlier work, general approach and objectives. Excessive spelling or grammar errors are present.	$\frac{\quad}{2} \times$ = $\frac{\quad}{\quad}$

Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Literature Review</b>	10 Points Weighted Area	The review details what information currently exists concerning the research project. The information listed are materials used in the research and material cited include articles about similar studies, similar research methods, history of the research area and other items that support the current knowledge base for the topic and how the project might complement existing information.	The review poorly details what information currently exists concerning the research project. The information listed may or may not be materials used in the research. Some materials cited include articles about similar studies, similar research methods, history of the research area. How the project might complement existing information is not clear.	The review doesn't detail what information currently exists concerning the research project. There is no information listed or it does no reference materials used in the research. No information cited includes articles about similar studies, similar research methods, history of the research area.  How the project might complement existing information is not	$\frac{\quad}{\quad} \times 2$ = $\frac{\quad}{\quad}$ -
Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Materials and Methods</b>	20 Points Weighted Area	Clearly written to enable others to reproduce the results duplicating the study. Section is written in third person, encompasses all materials required and state the hypothesis. If used, the statistical procedure is included. No spelling or grammar errors are present.	Not written clearly to enable others to reproduce the results duplicating the study. Section may or may not be written in third person, encompasses all materials required and state the hypothesis. The statistical procedure are included but are unclear. Minor spelling or grammar errors are present.	Written poorly so that others cannot reproduce the results duplicating the study. Section is not written in third person, does not encompass all materials required for the research and the hypothesis is not stated. The statistical procedure are not included. Excessive spelling or grammar errors are present.	$\frac{\quad}{\quad} \times 4$ = $\frac{\quad}{\quad}$ -

Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Results</b>	20 Points Weighted Area	Results of the project are summarized. Trends and relationships are clearly addressed. No conclusions are made in this section. Data that can stand alone in the form of tables and/or figures are included. Tables/figures should have headings, labels and proper use of measurement. Captions are included for each table/figure and are at least 2 font sizes smaller than font in table/figure and are single spaced. No spelling or grammar errors are present.	Results of the project are incompletely summarized. Trends and relationships are vague. No conclusions are made in this section. Data that can stand alone in the form of tables and/or figures are sometimes included. Tables/figures should have headings, labels and proper use of measurement. Captions are included for each table/figure and are at least 2 font sizes smaller than font in table/figure and are single spaced. Minor spelling or grammar	Results of the project are poorly summarized. Trends and relationships are not addressed. Data that is not appropriately included as tables and figures and lacks heading, labels and proper use of measurement. Captions are not included for each table/figure. Excessive spelling or grammar errors are present.	X4 = -
Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Discussion and Conclusion</b>	20 Points Weighted Area	Conclusions are clearly drawn directly from the results of the study and relate directly to the hypothesis. Brief recap of the results is included and shown how they were foundation of the study. Sound reasoning is shown that conclusions are based on results and literature. Discussion refers to facts and figures in the results section. No spelling or grammar errors are present.	Conclusions are unclear drawn directly from the results of the study and partially relate directly to the hypothesis. Brief recap of the results is included and shown how they were foundation of the study. Unsound reasoning is shown that conclusions are based on results and literature. Discussion refers to facts and figures in the results section. Minor spelling or grammar errors are present.	Conclusions are not drawn directly from the results of the study and do not relate directly to the hypothesis. No recap of the results is included or poorly shows how they were foundation for the study. Conclusions are not based on results or literature. Discussion poorly refers to the facts and figures in the results section. Excessive spelling or grammar errors are present.	X4 = -

Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>References</b>	5 Points	References listed are significant, published and relevant sources. APA citation style is used. No spelling or grammar errors are present.	References listed are somewhat significant, published and relevant sources. APA citation style is used. Minor spelling or grammar errors are present.	References listed are not significant, published and relevant sources. APA citation style is not used. Excessive spelling or grammar errors are present.	
Area	Total Points Possible	High Points 5-4	Medium Points 3-2	Low Points 1-0	Points Earned
<b>Acknowledgements</b>	5 Points	Detailed list or paragraph is included acknowledging anyone who assisted with any aspect of the project and how they helped. No spelling or grammar errors are present.	A list or paragraph is included acknowledging anyone who assisted with any aspect of the project. Minor spelling or grammar errors are present.	A list or paragraph is not included acknowledging anyone who assisted with any aspect of the project and how they helped. Excessive spelling or grammar errors are present.	
<b>Total Points = 100</b>					