

## Pre-Qualifying Agriscience Fair - Divisions 3-6 (Grade 9-12)

	High Points	Medium Points	Low Points
<b>Abstract</b> The abstract describes the purpose, methods, results and conclusions. Score: _____	<b>3</b> <ul style="list-style-type: none"> <li>Abstract is brief and concise.</li> <li>Does not include cited references.</li> <li>No longer than one page.</li> <li>Purpose, procedure, results and conclusions are clear.</li> </ul>	<b>2 to 1</b> <ul style="list-style-type: none"> <li>Abstract is vaguely written.</li> <li>Does not include cited references.</li> <li>Longer than one page.</li> <li>Purpose, procedure, results and conclusions are vague.</li> </ul>	<b>1 to 0</b> <ul style="list-style-type: none"> <li>Abstract is poorly written.</li> <li>Cited references are included.</li> <li>Longer than one page.</li> <li>Purpose, procedure, results and conclusions are unclear.</li> </ul>
<b>Introduction</b> Introduction answers the question "Why was the work done?" Score: _____	<b>10 to 7</b> <ul style="list-style-type: none"> <li><u>Clearly</u> states the problem that justifies conducting the research,</li> <li>the purpose of the research,</li> <li>its impact on agriculture,</li> <li>the findings of earlier work, and</li> <li>the general approach and objectives.</li> </ul>	<b>6 to 4</b> <ul style="list-style-type: none"> <li><u>Vaguely</u> states the problem that justifies conducting the research,</li> <li>the purpose of the research,</li> <li>its impact on agriculture,</li> <li>the findings of earlier work, and</li> <li>the general approach and objectives.</li> </ul>	<b>3 to 0</b> <ul style="list-style-type: none"> <li><u>Does not</u> state the problem that justifies conducting the research,</li> <li>the purpose of the research,</li> <li>its impact on agriculture,</li> <li>the findings of earlier work, and</li> <li>the general approach and objectives.</li> </ul>
<b>Literature Review</b> The literature review details what information currently exists concerning the research project. Score: _____	<b>10 to 7</b> The information includes materials used in the research and material cited such as: <ul style="list-style-type: none"> <li>articles about similar studies,</li> <li>similar research methods,</li> <li>history of the research area, and</li> <li>other items that support the current knowledge base for the topic, and</li> <li>how the project might complement existing information.</li> </ul>	<b>6 to 4</b> The literature review <u>poorly</u> details what information currently exists concerning the research project.  The information may or may not include materials used in the research. <u>Some</u> materials cited include: <ul style="list-style-type: none"> <li>articles about similar studies,</li> <li>similar research methods, and</li> <li>history of the research area.</li> <li>How the project might complement existing information is <u>not clear</u>.</li> </ul>	<b>3 to 0</b> The literature review <u>does not</u> detail what information currently exists concerning the research project.  There is no information included or it does not reference materials used in the research. <u>No</u> information cited such as: <ul style="list-style-type: none"> <li>articles about similar studies,</li> <li>similar research methods, or</li> <li>history of the research area.</li> <li>How the project might complement existing information is <u>not clear</u>.</li> </ul>
<b>Materials and Methods</b> Enables others to replicate the study and results. Score: _____	<b>15 to 11</b> <ul style="list-style-type: none"> <li>Clearly written for replication.</li> <li>Written in third person.</li> <li>Encompasses all materials required,</li> <li>States the hypothesis/research questions,</li> <li>Explains the study design.</li> </ul> A <u>narration</u> of the steps taken to complete the experiment is included.  If used, the statistical procedures are included.	<b>10 to 5</b> <ul style="list-style-type: none"> <li>Not written clearly for replication.</li> <li>May or may not be written in third person,</li> <li>Encompasses all materials required,</li> <li>States the hypothesis/research questions,</li> <li>Explains the study design.</li> </ul> A <u>narration</u> of the steps taken to complete the experiment is included.  The statistical procedures are included but are unclear.	<b>4 to 0</b> <ul style="list-style-type: none"> <li>Written poorly so others cannot replicate the study and results.</li> <li>Not written in third person,</li> <li>Does not encompass all materials required for the research</li> <li>Hypothesis/research questions are not stated.</li> </ul> Steps taken to complete the experiment are <u>listed</u> .  The statistical procedures are not included.
<b>Results</b> Score: _____	<b>20 to 14</b> <ul style="list-style-type: none"> <li>Written results of the project are summarized.</li> <li>Trends and relationships are clearly addressed.</li> <li>No conclusions are made in this section.</li> <li>Data that can stand alone in the form of tables and/or figures are included.</li> </ul>	<b>13 to 7</b> <ul style="list-style-type: none"> <li>Written results of the project are incompletely summarized.</li> <li>Trends and relationships are vague.</li> <li>No conclusions are made in this section.</li> <li>Data that can stand alone in the form of tables and/or figures are sometimes included.</li> </ul>	<b>6 to 0</b> <ul style="list-style-type: none"> <li>Written results of the project are poorly summarized.</li> <li>Trends and relationships are not addressed.</li> <li>Data is not appropriately included as tables and figures.</li> </ul>
<b>Discussion and Conclusions</b> Discussion refers/references to facts and figures in results section and provides recommendations for practice, future research and the impact on the agriculture industry. Score: _____	<b>15 to 11</b> <ul style="list-style-type: none"> <li>Brief recap of the results is included and shows how they were the foundation of the study.</li> </ul> Sound reasoning is shown that conclusions are based on: <ul style="list-style-type: none"> <li>results,</li> <li>incorporates previous literature,</li> <li>relates directly to the hypothesis.</li> </ul>	<b>10 to 5</b> <ul style="list-style-type: none"> <li>Brief recap of the results is included and shows how they were the foundation of the study.</li> </ul> Unsound reasoning is shown that conclusions are based on: <ul style="list-style-type: none"> <li>results,</li> <li>vaguely incorporates previous literature,</li> <li>partially relates to the hypothesis.</li> </ul>	<b>4 to 0</b> <ul style="list-style-type: none"> <li>No recap of the results is included or poorly shows how they were the foundation for the study.</li> </ul> Conclusions are not based on: <ul style="list-style-type: none"> <li>results,</li> <li>previous literature</li> <li>do not relate directly to the hypothesis.</li> </ul> Discussion is poorly written and does not provide recommendations.
<b>Acknowledgements</b> Score: _____	<b>3</b> Detailed list or paragraph is included acknowledging anyone who assisted with any aspect of the project and how they helped.	<b>2 to 1</b> A list or paragraph is included acknowledging anyone who assisted with any aspect of the project.	<b>0</b> A list or paragraph is not included acknowledging anyone who assisted with any aspect of the project and how they helped.

<b>References</b>  Score: _____	<b>2</b> References contain significant, published and relevant sources.	<b>1</b> References listed are somewhat significant, published and relevant sources.	<b>0</b> References listed are not significant, published and relevant sources.
<b>APA Style/ Spelling</b>  Score: _____	<b>2</b> • APA citation style writing is used throughout the report. • No spelling or grammar errors are present.	<b>1</b> • APA citation style writing is used. • Minor spelling or grammar errors are present.	<b>0</b> • APA citation style writing is not used. • Excessive spelling or grammar errors are present.
<b>Skills, Competencies and Knowledge within Primary Pathway</b>	High Points	Medium Points	Low Points
<b>Primary Pathway: Standard A1</b> If bullet 1 or 2 is zero, score the entire standard zero.  Score: _____	<b>4 to 2.5</b> • Selected standard <u>clearly applies</u> to project detailed in application (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>completely and clearly related</u> to selected standard (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description clearly demonstrates applicant performing standard (max 3).	<b>2 to 0.5</b> • Selected standard <u>vaguely applies</u> to project detailed in application (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>vaguely related</u> to selected standard (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description vaguely demonstrates applicant performing standard (max 2).	<b>0</b> <i>(Zero Score for entire standard)</i> • Selected standard <u>does not apply</u> to project detailed in application. or • Described activity is <u>not related</u> to selected standard.
<b>Primary Pathway: Standard A2</b> If bullet 1 or 2 is zero, score the entire standard zero.  Score: _____	<b>4 to 2.5</b> • Selected standard <u>clearly applies</u> to project detailed in application (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>completely and clearly related</u> to selected standard (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description clearly demonstrates applicant performing standard (max 3).	<b>2 to 0.5</b> • Selected standard <u>vaguely applies</u> to project detailed in application (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>vaguely related</u> to selected standard (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description vaguely demonstrates applicant performing standard (max 2).	<b>0</b> <i>(Zero Score for entire standard)</i> • Selected standard <u>does not apply</u> to project detailed in application. or • Described activity is <u>not related</u> to selected standard.
<b>Primary Pathway: Standard A3</b> If bullet 1 or 2 is zero, score the entire standard zero.  Score: _____	<b>4 to 2.5</b> • Selected standard <u>clearly applies</u> to project detailed in application (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>completely and clearly related</u> to selected standard (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description clearly demonstrates applicant performing standard (max 3).	<b>2 to 0.5</b> • Selected standard <u>vaguely applies</u> to project detailed in application (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>vaguely related</u> to selected standard (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description vaguely demonstrates applicant performing standard (max 2).	<b>0</b> <i>(Zero Score for entire standard)</i> • Selected standard <u>does not apply</u> to project detailed in application. or • Described activity is <u>not related</u> to selected standard.
<b>Skills, Competencies and Knowledge within Any Pathway</b>	High Points	Medium Points	Low Points
<b>Any Pathway: Standard B1</b> If bullet 1 or 2 is zero, score the entire standard zero.  Score: _____	<b>4 to 2.5</b> • Selected standard <u>clearly applies</u> to project detailed in application (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>completely and clearly related</u> to selected standard (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description clearly demonstrates applicant performing standard (max 3).	<b>2 to 0.5</b> • Selected standard <u>vaguely applies</u> to project detailed in application (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Described activity is <u>vaguely related</u> to selected standard (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i> • Provided description vaguely demonstrates applicant performing standard (max 2).	<b>0</b> <i>(Zero Score for entire standard)</i> • Selected standard <u>does not apply</u> to project detailed in application. or • Described activity is <u>not related</u> to selected standard.

<b>Any Pathway: Standard B2</b> If bullet 1 or 2 is zero, score the entire standard zero.  Score: _____	<b>4 to 2.5</b>  •Selected standard <u>clearly applies</u> to project detailed in application (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i>  •Described activity is <u>completely and clearly related</u> to selected standard (max 0.5). <i>If standard doesn't apply -&gt; click 0 points.</i>  •Provided description clearly demonstrates applicant performing standard (max 3).	<b>2 to 0.5</b>  •Selected standard <u>vaguely applies</u> to project detailed in application (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i>  •Described activity is <u>vaguely related</u> to selected standard (max 0). <i>If standard doesn't apply -&gt; click 0 points.</i>  •Provided description vaguely demonstrates applicant performing standard (max 2).	<b>0</b>  <i>(Zero Score for entire standard)</i>  •Selected standard <u>does not apply</u> to project detailed in application.  or  •Described activity is <u>not related</u> to selected standard.
<b>Total: _____ of 100</b>			