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| **GHS Ag/Hort Science AS91528 Carry out an investigation into an aspect of a New Zealand primary product or its production**  **NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ GRADE** |
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| **Evidence required** | **A** | **M** | **E** |
| A statement of the purpose. |  |  |  |
| A workable method that is sequential. Method also needs to include:   * a valid range (three or more) for a key variable * a valid measurement of the effect of the range of the key variable * a valid description and management of other variables * control of potential sources of error * the steps needed to carry out the investigation. |  |  |  |
| A method is developed that allows for a collection of data that is valid and reliable. |  |  |  |
| The processing of data is relevant to the purpose and allows for a conclusion, based on the processed data, to be drawn. |  |  |  |
| The data is processed to show a trend or lack of trend eg an appropriate table (a graph is not required). |  |  |  |
| Provides a valid conclusion(s) that relates to the purpose of the investigation. |  |  |  |
| Reports on the findings and relates them to findings from another source related to the agricultural or horticultural context. |  |  |  |
| Provides a valid conclusion(s) that links key ag/hort concepts to own findings and to those from other sources. |  |  |  |
| Evaluates the validity of the method and/or reliability of the data and justify the choices made throughout the investigation. |  |  |  |
| Provides valid conclusions that discuss key ag/hort concepts and findings of others, or scientific principles, theories, or models, ie the conclusion is explained in terms of relevant ag/hort ideas. |  |  |  |
| Conclusion includes proposed courses of action, based on the commercial significance of the findings, which the producer may undertake. |  |  |  |