Year 10 Agricultural Technology

Assessment Task 1, 2023

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| **TOPIC**: – Poultry Production Systems – Research Task | **MARKS:** /50 |
| **SUBMISSION REQUIREMENTS:** **Week 10 Term 1**  All components to be submitted **ONLNE** through **CANVAS** by **Friday 31st March**, **2023** by **11.59pm** | **WEIGHTING:**  30% |
| **OUTCOMES TO BE ASSESSED:**  AG5.1 **Explains** why identified animal breeds have been used in agricultural enterprises and developed for the Australian environment and/or markets  AG5.7 **Explains** and **evaluates** the impact of management decisions on animal production enterprises  AG5.8 **Evaluates** the impact of past and current agricultural practices on agricultural sustainability  AG5.9 **Evaluates** management practices in terms of profitability, technology, sustainability, social issues and ethics  AG5.10 **Implements** and **justifies** the application of animal welfare guidelines or Agricultural practices. | |
| **DIRECTIONAL VERBS:**  **Explain** Relate cause/effect, make relationships between things evident; provide why and/or how  **Evaluate** Make a judgement based on criteria; determine the value of  **Implements** Puts together and presents data  **Justifies** Support an argument or conclusion | |
| **TASK DESCRIPTION:**  **PART A (AG5.1, AG5.8, AG5.9, AG5.10) (40 marks)**  Students are to construct a PowerPoint presentation to **explain** why commercial layers have been bred and developed specifically for use in the Australian layer agricultural in terms of the environment and various production systems in the industry. In this PowerPoint students will:   * Research the development of the Hy-Line commercial breed * Research 4 management systems for layer production systems including: cage, barn laid, free range and certified pasture organic free range. * **Discuss** and **justify** the application of each management system in terms of sustainable farming practices and the **implementation** of animal welfare guidelines.   A scaffold booklet will be provided to assist in collating the research required for this task.  **PART B (AG5.7, AG5.9, AG5.10) (10 marks)**  Students write a report to **evaluate** the impact of management decisions on animal production enterprises within the poultry layer production systems described in PART A.  Students will use the ALARM scaffold provided to **justify** the application of animal welfare guidelines or Agricultural practices and **explain** the interactions of these production systems in relation to the Agricultural sector and Australian’s economy, culture and society. | |

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| **ASSESSMENT MARKING CRITERIA** | | |
| **Criteria – Part A: Power Point**   **(AG5.1, AG5.8, AG5.9, AG5.10)** | **Mark** | **Grade** |
| * ***A comprehensive Powerpoint:***   A detailed collection of data toexplain why commercial layers have been bred and developed specifically for use in the Australian layer agricultural in terms of the environment and various production systems in the industry. Which includes management systems for layer production including cage, barn laid, free range and certified pasture organic free range. Data collected will explain and/or justify the application of each management system in terms of the implementation of animal welfare guidelines | 34-40 | A |
| * ***A thorough Powerpoint:***   A collection of data todiscuss why commercial layers have been bred and developed specifically for use in the Australian layer agricultural in terms of the environment and various production systems in the industry. Which includes management systems for layer production, cage, barn laid, free range and certified pasture organic free range. Data collected will discuss the application of each management system in terms of implementation of animal welfare guidelines | 26-33 | B |
| * ***A sound Powerpoint:***   A collection of data toidentify commercial layers bred and developed specifically for use in the Australian layer agricultural production systems. Which includes some data on management systems for layer production cage, barn laid, free range and certified pasture organic free range. Data collected will identify how animal welfare guidelines are implemented within the system. | 18-25 | C |
| * ***A basic Powerpoint:***   Data toidentify commercial layers breeds developed specifically for use in the Australian layer agricultural production systems. This includes some data on any 2 management systems for layer industry and identifies animal welfare guidelines involved within the system. | 10-17 | D |
| * ***A limited Powerpoint:***   Data identifies commercial layers breeds in the Australian layer agricultural production systems. Some data on management systems for layer industry is outlined including the animal welfare guidelines involved within the system. | 1-9 | E |

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| **Criteria – PART B: Report**   **(AG5.7, AG5.9, AG5.10)** | **Mark** | **Grade** |
| * ***Comprehensive Report;***   Report comprehensively **investigates** and **applies** the principle and use for the processes within the poultry layer production systems in terms of responsible marketing and management for the layers within poultry layer systems and provide a comprehensive **evaluation** of the impact of each management decisions on animal production enterprises discussed. The response will provide an extensive **explanation** for the interactions of these production systems in relation to the Agricultural sector with regards to Australian’s economy, culture and society. | 9 -10 | A |
| * ***Thorough Report;***   Report thoroughly **investigates** and **applies** the principle and use for the processes within the poultry layer production systems in terms of responsible marketing and management for the layers within poultry layer systems. The response provides an **evaluation** of each management decision on animal production enterprises discussed. The response will provide an **explanation** for the interactions of these production systems in relation to the Agricultural sector with regards to Australian’s economy, culture and society. | 7 -8 | B |
| * ***Sound Report;***   Report **Investigates** the use for some processes within the poultry layer production industry in terms of responsible marketing and management for the layers within poultry layer systems. The response provides an **explanation** of each management decision on animal production enterprises discussed. The response will provide an **identification** ofthe interaction of these production systems in relation to the Agricultural sector with regards to Australian’s economy, culture and society. | 5-6 | C |
| * ***Basic Report;***   Report **identifies** some processes within the poultry layer production industry in terms of marketing OR management for the layers within poultry layer systems. The response Identifies a management decision on animal production enterprises discussed. The response will present an **example or issue** of the production systems in relation to Australian’s economy OR culture OR society. | 3 -4 | D |
| * ***Limited Report;***   Report **identifies** a process in the poultry layer production industry in terms of marketing OR management for the layers within poultry layer systems and why the decision is used in the marketing OR management of layers. | 1-2 | E |