

YEAR 9/10 AGRICULTURE ASSIGNMENT
TERM 1 2017
BEEF CATTLE DISEASES

Assessing

Outcome 5.3.4

Explains and evaluates the impact of management decisions on animal production enterprises

Outcome 5.4.2

Evaluates management practices in term of profitability, technology, sustainability, social issues and ethics

Outcome 5.1.2

Explains the interactions within and between agricultural enterprises and systems

Due Date: Term 2 Week 1A by the end of the school day Friday April 28th on Seesaw (Part A). Part B can be included on Seesaw as part of your presentation but must be submitted separately as a hard copy document also.

ASSIGNMENT QUESTION

Section 1 (Mandatory)

There are many diseases which may affect beef cattle and their productivity.

Section 1

1. Choose ONE disease, from the list below, which affects beef cattle causing decreased productivity.

- Akabane
- Roundworms or Liver fluke
- Tuberculosis
- Pesti virus
- Tetanus
- Vibriosis
- Tick paralysis

Your task is to imagine that you are either a farmer or a vet that has had a disease affecting your beef cattle herd. You have been asked along to a forum which local farmers are attending to discover more information about an outbreak in the district. You are to make a presentation either on iMovie or Adobe Spark video. Your presentation must be between 3- 5 minutes in length.

Your presentation must be informative for the audience and it must include the following detail.

2. State the scientific name of the organism that causes the diseases if appropriate.
3. Define the term “disease”.
4. Describe how the disease affects the animal and reduces productivity.
5. Explain how technologies can be used to treat /prevent and/or control the disease.
6. Include some pictures to help you explain the importance of the disease.
 - Include a title, subheadings and bibliography
 - Ensure to express yourself using your own words
 - Diagrams and/or illustrations are beneficial

Present this part of your assignment to the class on the allocated date.

Maximum Grade Awarded for this Section 1= B

Remember Grade B is a very good Mark and you can achieve this without attempting Section 2.

Section 2

This section requires you to discuss the issue in more detail. This section can be included in your presentation but a hard copy must be handed in as well.

1. Classify this disease as belonging to a specific group of organisms
(eg. Bacteria, Virus, Fungi, Metazoal or large forms of animal life commonly known as worms)
2. Evaluate the importance of this disease in the beef cattle industry and how it may affect the whole district financially. What costs will be involved in treatment, prevention and stock losses?
3. Explain how this disease can impact on a whole farm operation eg. Effect on production and farm management.
 - Include a title, subheadings and bibliography
 - This section of the assignment is to be presented as a formal written report.
 - Your report should be stapled and submitted in a named, plastic folder

Maximum Grade Awarded for Section 1 and Section 2 together = A+

Time will be allocated during class to get started. Ensure you see me if you are unsure about any part of this assignment!

Good luck

Kathy de Jong

Bart Leach

MARKING GUIDELINE

GRADE A – EXCELLENT 19 -20 MARKS

The presentation is informative and interesting demonstrating a sound understanding of the specific disease that affects beef cattle and the beef cattle industry. The scientific and common names will be included and the disease causing organism will be classified appropriately. The candidate will describe the disease using appropriate illustrations/diagrams and evaluate its importance in the beef cattle industry.

The candidate will also explain effectively how a range of technologies can be used to prevent/treat or assist in the control of the disease and also link the effect of the disease to the whole farm operation.

Section 1 and 2 will be presented in an organised manner using appropriately terminology and written expression supported well with illustrations and diagrams. The report will also include a bibliography and formatted sub-headings.

GRADE B – VERY GOOD 16 -18 MARKS

The presentation is informative and interesting. The presentation shows a very good understanding of the specific disease that affects beef cattle and the beef cattle industry. The candidate will demonstrate a very good understanding of the specific disease that affects beef cattle and the beef cattle industry. The scientific and common names will be included.

The candidate will describe the disease using appropriate illustrations/diagrams.

The candidate will explain effectively a range of technologies used to prevent/treat/control the disease and describes how the disease affects the animals productivity.

Section 1 will be completed fully and be presented in an organised manner with using appropriate terminology and written expression. The report will also include a bibliography and formatted sub-headings.

GRADE C – GOOD 13 – 15 MARKS

The candidate presented an informative presentation which lacked creativity. The presentation demonstrated some understanding of the specific disease that affects beef cattle and the beef cattle industry with attempts made to obtain scientific names.

The candidate will describe the disease appropriately and make some attempt to describe how the disease reduced productivity.

The candidate will explain effectively at least one technology used to prevent/treat/control the disease.

Section1 and part of Section 2 will have been completed and presented in an organised manner using appropriate terminology and a bibliography. An attempt will be made to use sub-headings, diagrams and illustrations.

GRADE D – SATISFACTORY 9 – 12 MARKS

The candidate made a presentation which lacked information and creativity. The candidate did attempt to demonstrate some understanding of the specific disease that affects beef cattle and the beef cattle industry.

The candidate will attempt to describe the disease appropriately and make some attempt to describe how the disease reduced productivity.

The candidate will attempt to explain a technology used to prevent/treat/control the disease.

The report will be presented in an organised manner with attempts to use appropriate terminology.

GRADE E – STILL NEEDING WORK 0 – 8 MARKS

The candidate made a presentation which lacked information and creativity. The candidate will demonstrate little understanding of the specific disease and only include some information that appropriately describes its effects on beef cattle. Little attempt will be made to explain technology used to prevent/treat/control the disease.

The report will lack organisation, correct terminology and written expression and generally lack sufficient content to answer the questions asked of the assignment.