

Question 27 (7 marks)

Evaluate an Integrated Pest Management (IPM) program for a named pest or disease of an animal host you have studied. In your answer, include examples of management strategies used in this program.

7

~~Linkage creates a costly disease in beef cattle production. Linkage is the formation~~

Bovine Respiratory disease is a highly costly & common disease in lot feeding & intensive cattle programs. Increased amounts of stress as associated with feedlotting, weaning, branding & marking etc, lower the animals immune system, creating a risk of the disease spreading in the animal. There are 3 main types of BRD with all 3 showing symptoms of mild & severe pneumonia. If precautions are not taken to ensure a ^{low} stress ~~low~~ environment, animals may contract this disease with a high mortality rate. A producer is able to manage his/her herd in a low stress manner, ensuring contraction of this disease is minimal. This ~~may~~ may involve weaning cattle in larger areas (other than a dirt yard); spreading weaning, marking, branding times out ~~&~~ over a period of time reducing the mass stress of having all 3 practices at same time. Ensuring adequate availability of shelter, sun, water & feed. Gradual induction of grain feed in feedlotting. There is no available vaccine for BRD hence making it crucial for correct ^{low stress} management of cattle.