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| Title | **Supervise livestock health** |
| Level | **4** | **Credits** | **32** |

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| Purpose | This competency standard identifies the competencies required to manage livestock health. You will be expected to Control Ecto and Endo Parasites, Vaccinate the Animals, Treat Sick Animals, Maintain Bio Security, Disease Monitoring and Surveillance & Supervise Mastitis. |

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| Classification ISCED | 0811 Crop and livestock production |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
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| **B1. Control Ecto and Endo Parasites** | *Trainee will be able to:*P1. Ensure deworming as per schedule to control endo parasitesP2. Arrange Fumigation/disinfection of shed to control ecto parasitesP3. Ensure animal’s Dipping for removal of ecto parasitesP4. Inspect the animals physically for parasitic symptoms and Collect faecal and blood samples from suspected animals as per industry schedule  | * *Trainee must know and understand*

K1. The mechanism of parasites including:* **Types of ecto and endo parasites**
* **Kinds of dewormers and its mode of action**
* **The affect of parasites on farm economics**

K2. Control of ecto parasites and application of different types of disinfectants K3. Importance of dipping of animals and types of disinfectants.K4. Symptoms of ecto and endo parasitism and different methods for parasite diagnosis |
| **B2. Vaccinate the Animals** | *Trainee will be able to**P1. Prepare the vaccination schedule as per standards**P2. Arrange the required vaccines according to the schedule**P3. Ensure the quality of vaccine through proper storage at correct temperature**P4. Timely Vaccinate the animals and ensure the standard dose according to the weight and size of animals* | *Trainee must know and understand:*K1.Seasonal Diseases and their vaccination scheduleK2. Types of vaccines and its availability sourceK3. Importance of vaccination, quality and its storageK4. Methods of vaccinationK5. Estimation of dosesK6. Contra-indication of different vaccines |
| **B3. Treat Sick Animals** | *Trainee will* be able to:P1. Identify & Isolate sick animals to avoid transmissionP2. Obtain the required medicines to treat sick animals from vetP3. Ensure immediate treatment for timely control till recoveryP4. Keep treatment record of sick animals for treatment historyP5. Advice culling for disease repeaters to avoid economic losses | *Trainee must* know and understand:K1. Types and symptoms of different diseasesK2. Basic husbandry managementK3. Importance of timely control of diseasesK4. Handling and usage of medicinesK5. Importance of culling for selection and replacement of animals at the farm |
| **B4. Maintain Bio Security** | *Trainee will* be able to:*P1. Ensure bio security protocols to prevent vectors according to industry standards**P2. Train the labour regarding bio security to ensure proper compliance of bio security* *P3. Ensure strength of disinfectant in foot dip as per industry standards**P4. Apply quarantine measures where required at the farm to avoid disease carriers/vectors* | *Trainee must* know and understand:*K1. Importance of bio security at farm level**K2. Procedures for bio security compliance* *K3. Types of disinfectant used in bio security**K4. Animal quarantine and its impact**On farm economics* |
| **B5. Disease Monitoring and Surveillance on farm**  | *Trainee will* be able to:*P1. Diagnose disease through regular inspection visits for in-time treatment of animals**P2. Identify disease outbreak in locality to enable preventive measures are taken* | *Trainee must* know and understand:*K1. Different types of diseases**K2. Preventive measures for disease outbreak**K3. Importance of monitoring and surveillance of Diseases*  |
| **B6. Supervise Mastitis** | *Trainee will* be able to:*P1. Identify the Symptoms of mastitis for timely treatment**P2. Ensure the Milking of affected animals in Isolation to avoid spread in the farm* *P3. Conduct regular testing to prevent Mastitis* | *Trainee must* know and understand:*K1. Types of mastitis and its treatment**K2. Mode of Mastitis spread* *K3. Availability of Mastitis Kit**K4. Importance of Pre and post dipping* |