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| Title | **Supervise feeding management** |
| Level | **4** | **Credits** | **31** |

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| Purpose | This competency standard identifies the competencies required to supervise feeding management of livestock. You will be expected to Grow Fodder according to farm requirement, Purchase fodder according to farm requirement, Manage Grazing, as per requirement/ availability, Preserve Fodder, Prepare Feed/Wanda/Concentrate and minerals, & Ensure access of clean and fresh water. |

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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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| **A1 –** Grow Fodder to meet animal feed requirement | ***Trainee will be able to:***1. Arrange tools/implements and labour for preparation of land
2. Supervise land preparation as per fodder crop requirement
3. Ensure availability of inputs for fodder crops sowing
4. Supervise timely sowing of fodder crops to ensure availability of fodder for the animals throughout the year
5. Ensure protection of fodder crops through Integrated Pest Management (IPM) system
6. Ensure timely harvesting of fodder crops
 | *Trainee must know and understand*1. Types and usage of tools/implements
2. **Fodder crop requirements for land preparation**
3. Fodder crop inputs required for sowing
4. Seasonal variations of fodder sowing in different regions
5. Integrated Pest Management system for farm’s fodder crops
6. **The appropriate stage of harvesting in relation to nutritive values for range of fodder crops**
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| **A2.** Purchase Fodder to supplement animal feed requirement  | ***Trainee will be able to***1. **Identify the most cost effective quality fodder& nearest market**

P2. Estimate required fodder quantity according to the quantity and type of the animalsP3. Negotiate with fodder sellers and transporters for cost effective procurementP4. Arrange cost effective means for fodder transportationP5. Supervise weighing of fodder to ensure correct payment is made | ***Trainee must know and understand:***K1. Production costs of different fodders and their qualityK2. Information of fodder markets in the areaK3. Estimated quantity of quality fodder required per animal and animal type for specified time periodK4. Calibration of weighing scaleK5. Different modes of fodder transportationK6. Cost effective procurement for purchasing and transportationK7. Common malpractices in weighing |
| **A3. Supervise Grazing to meet stock carrying capacity**  | ***Trainee will* be able to:**1. Arrange grazing land to feed animals to meet carrying capacity and seasons
2. Follow grazing patterns as per stock requirement
3. **Supervise farm *labour as per assigned duties***
4. **Ensure animal safety during grazing from predators**
5. **Monitor use of grazing ground to maximise fodder availability**
6. **Monitor disease vectors on grazing land in order to minimise disease vectors**
 | ***Trainee must* know and understand:**1. Stocking rate and carrying capacity of land in relation to

variations in grazing seasons1. Distribution of grazing across landscape
2. Match kinds & classes of animals according to range land
3. Methods of monitoring degrees of use grazing field
4. Methods to eliminate rodents, endo/ecto-parasites, predators, poisonous plants
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| **A4. Preserve Fodder (Silage + Hay)** | ***Trainee will be able to:*** 1. Arrange silage for livestock as per requirement

P2. Arrange hay for livestock as per requirementP3. Ensure quality of hay and silage  | ***Trainee must know & Understand:***1. Methods and protocols of silage and hay preparation and its storage
2. Nutritive values of different fodder crops after storage
3. Silage requirement according to animal status
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| **A5. Prepare Feed and supplements as per required Formulation** | ***Trainee will be able to:*** 1. Arrange feed ingredients according to formulation
2. **Ensure quality of ingredients**
3. **Ensure the correct use of machinery for mixing & grinding of feed**
4. **Ensure feed availability according to psychological stage of animals**
5. Ensure the safe storage of raw material as well as concentrate feed
 | ***Trainee must know & Understand:***K1.Types of feed ingredients and supplementsK2. Quality indicators of ingredients* Physically damaged
* Fungus
* Pests attacked
* Over moisturized
* Hygienic conditions
* Adulteration

K3. Use of Mixing and grinding machinesK5. Storage standards for mixing and grindingK6. Importance of feeding times  |
| **A6. Ensure Free access of clean and fresh water** | ***Trainee will be able to*** 1. Ensure water troughs are accessible to all stock throughout farm
2. Supervise farm labour to ensure water troughs are cleaned and as required for good animal health
3. Ensure uninterrupted & continuous clean water supply
 | ***Trainee must know and understand***1. *Different types of water troughs and cleaning*
2. Impact of clean water on milk production and animal’s health.

K2. Fungal growth and its impact on animals and preventive measuresK3. Animal requirement for water  |