**CHAPTER – III**

**RESULTS**

**Proportionate prevalence of skin diseases in ruminants:**

The overall proportionate prevalence of skin disease was 21.64% (N=268) among which 177 cattle and 91 goats were treated where the skin diseases affected animals were 36(20.34%) , 22(24.18% ) in cattle and goat respectively.

**Table 01: Different types of skin diseases in cattle and goats:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the diseases condition** | **Cattle** | **Goat** | **Total** |
| Lice infestation (Pediculosis) | 17 | 4 | 21 |
| Mite infestation(Mange) | 4 | 7 | 11 |
| Hump sore (Stephanofilariasis) | 3 | \_ | 3 |
| Alopecia | 3 | 6 | 9 |
| Myiasis | 1 | 3 | 4 |
| Dermatophytosis (Ringworm) | 3 | \_ | 3 |
| Papillomatosis | 2 | \_ | 2 |
| Contagious ecthyma | - | 2 | 2 |
| Yoke gall | 2 | \_ | 2 |
| Burn | 1 | \_ | 1 |
| Total | 36 | 22 | 58 |

In table:2 it was observed that lice and mite infestation was 17(80.95%), 4(19.04%), and 4(36.36%), 7(63.63%) in cattle and goat respectively. In other case hump sore and alopecia 3(100%), 0(0.0%) and 3(33.3%), 6 (66.67%) in cattle and goat was affected respectively. In case of Myiasis and Dermatophytosis 1(25%), 3(75%) and 3(100%), 0(0.0%) in cattle and goat respectively. In Papillomatosis and contagious ecthyma 2(100%); 0 (0.0%) and 0(0.0%), 2(100%). In Yoke gall and burn 2(100%); 0(0.0%) and 1(100%), 0(0.0%) in cattle and goat respectively.

**Table 2: Frequency Distribution of different types of skin diseases in different species:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Diseases | No. | Cattle (%) | Goat (%) | Total no. of affected animals |
| Lice infestation (padiculosis) | 21 | 17(80.95%) | 4(19.04%) | 21(36.2%) |
| Mite infestation (Mange) | 11 | 4(36.36%) | 7(63.63%) | 11(18.97%) |
| Humpsore (Stephanofilariasis) | 3 | 3(100%) | - | 3 (2.5%) |
| Alopecia | 9 | 3(33.33%) | 6(66.67%) | 9(15.52%) |
| Myiasis | 4 | 1(25%) | 3(75%) | 4 (6.89%) |
| Dermatophytosis | 3 | 3(100%) | - | 3 (5.17%) |
| Papillomatosis | 2 | 2(100%) | - | 2 (3.45%) |
| Contagious ecthyma | 2 | - | 2(100%) | 2 (3.45%) |
| Yokegall | 2 | 2(100%) | - | 2(3.45%) |
| Burn | 1 | 1 (100%) | - | 1 (1.72%) |
| Total | 58 | 36 | 22 | 58(100%) |

The remaining result showed in table-03.It was also observed that the highest estimation was observed ectoparasite infestation 67.24% followed by nutritional deficiency 15.52%, viral infestation 6.89%, fungal infestation 5.17% and other injury 5.17%.

**Table-03: Frequency distribution of skin diseases according to different etiological agent.**

|  |  |  |
| --- | --- | --- |
| Name of causal agent | No. of animal affected | Percentage of disease |
| Ectoparasite | 39 | 67.24% |
| Fungus | 3 | 5.17% |
| Virus | 4 | 6.89% |
| Nutritional deficiency | 9 | 15.52% |
| Other injury | 3 | 5.17% |
| Total | 58 | 100% |