|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameters** | | **No. of Goat N = 1,428**  **N (%)** | | | **P - value** | **No. of Cattle N = 561**  **N (%)** | | | **P- value** |
| **Summer** | **Rainy** | **Winter** | **Summer** | **Rainy** | **Winter** |
| **Digestive disorders** | Diarrhoea | 22 (26.51) | 25 (30.12) | 36 (43.37) | 0.485 | 10 (31.25) | 10 (31.25) | 12 (37.50) | 0.641 |
| Dyscentry | 5(50.00) | 1 (12.50) | 3 (37.50) | 00 | 2 (50) | 2 (50) |
| Tympany | 27 (35.06) | 23 (29.87) | 27 (35.07) | 12 (38.71) | 9 (29.03) | 10 (32.26) |
| **General systemic states** | Anorexia | 4 (36.36) | 2 (18.18) | 5 (45.45) | 0.896 | 2 (40) | 2 (40) | 1(20) | 0.364 |
| Fever | 51 (33.55) | 41 (26.970 | 60 (39.47) | 9(17.31) | 16 (30.77) | 27 (51.92) |
| Leg pain | 42 (29.58) | 38 (26.76) | 62 (43.66) | 14 (30.43) | 15 (32.61) | 17 (36.96) |
| **Infectious** | Bacterial | 20 (31.25) | 18 (28.13) | 26 (40.63) | 0.018 | 4 (23.53) | 6 (35.29) | 7 (41.18) | 0.048 |
| Viral | 19 (46.34) | 16 (39.02) | 6 (14.63) | 11 (64.71) | 2 (11.76) | 4 (23.53) |
| **Parasitic** | Ectoparasite | 40 (32.26) | 33 (26.61) | 51 (41.13) | 0.784 | 13 (27.08) | 18 (37.50) | 17 (35.42) | 0.795 |
| Endoparasite | 43 (28.67) | 40 (26.67) | 67 (44.67) | 18 (31.58) | 18 (31.58) | 21 (36.84) |
| **Vitamin- Mineral deficiency** | Mineral deficiency | 33 (36.26) | 25 (27.47) | 33 (36.26) | 0.451 | 10 (25.64) | 12 (30.77) | 17 (43.59) | 0.949 |
| Vitamin deficiency | 24 (34.78) | 14 (20.29) | 31 (44.93) | 7 (24.14) | 10 (34.48) | 12 (41.38) |
| **Food poisoning** | | 17(27.87) | 19(31.15) | 25(40.98) |  | 5(19.23) | 7(26.92) | 13(53.85) |  |
| **Mastitis** | | 14 (30.43) | 14 (30.43) | 18 (39.13) |  | 8 (22.86) | 12 (34.29) | 15 (42.86) |  |
| **Pneumonia** | | 25 (31.65) | 23 (29.11) | 31 (39.24) |  | 9 (29.03) | 9 (29.03) | 13 (41.94) |  |
| **Fattening** | | 45 (30.41) | 45 (30.41) | 58 (39.19) |  | 18 (27.27) | 18 (27.27) | 30 (45.45) |  |
| **Anoestrous** | | 28 (35.00) | 23 (28.75) | 29 (36.25) |  | 5 (18.52) | 8 (29.63) | 14 (51.85) |  |

**Table 2**: Union wise clinical diseases and manifestations of goats and cattle at UVH in Gopalganj sadar from 2012 to 2013

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | | **No. of Cattle No. of Goat N = 1,428**  **N (%)** | | | | **P - value** | **No. of Cattle N = 1,989**  **N (%)** | | | | **P - value** |
| **East** | **North** | **South** | **West** | **East** | **North** | **South** | **West** |
| **Digestive** | Diarrhoea | 5 (6.02) | 30(36.14) | 18(21.69) | 30(36.14) | 0.259 | 6 (18.75) | 5 (15.63) | 12 (37.50) | 9 (28.13) | 0.983 |
| Dyscentry | 2 (25.00) | 3 (37.50) | 0 (0.00) | 3 (37.50) | 1 (25) | 1 (25) | 1 (25) | 1 (25) |
| Tympany | 5 (6.49) | 22(28.57) | 26(33.77) | 24(31.17) | 7 (22.58) | 7 (22.58) | 9 (29.03) | 8 (25.81) |
| **General** | Anorexia | 1 (9.09) | 2 (18.18) | 4 (36.36) | 4 (36.36) | 0.502 | 00 | 2 (40) | 1 (20) | 2 (40) | 0.439 |
| Fever | 14 (9.21) | 42(27.63) | 41(26.97) | 55(36.18) | 3 (5.77) | 16(30.77) | 9 (17.31) | 24 (46.15) |
| Leg pain | 18(12.68) | 40(28.17) | 48(33.80) | 36(25.35) | 5 (10.87) | 15 (32.61) | 14(30.43) | 12 (26.09) |
| **Infectious** | Bacterial | 5 (7.81) | 30(46.88) | 10(15.63) | 19(29.69) | 0.217 | 1 (5.88) | 7 (41.18) | 3 (17.65) | 6 (35.29) | 0.492 |
| Viral | 5 (12.20) | 11(26.83) | 10(24.39) | 15(36.59) | 3 (17.65) | 4 (23.53) | 5 (29.41) | 5 (29.41) |
| **Parasitic** | Ectoparasite | 13(10.48) | 38(30.65) | 27(21.77) | 46(37.10) | 0.613 | 3 (6.25) | 17(35.42) | 12(25.00) | 16(33.33) | 0.525 |
| Endoparasite | 21(14.00) | 37(24.67) | 37(24.67) | 55(36.67) | 8 (14.04) | 17(29.82) | 11(19.30) | 21(36.84) |
| **Vitamin- Mineral deficiency** | Mineral deficiency | 6 (6.59) | 28(30.77) | 17(18.68) | 40(43.96) | 0.099 | 8 (20.51) | 12(30.77) | 9 (23.08) | 10(25.64) | 0.153 |
| Vitamin deficiency | 10(14.49) | 12(17.39) | 18(26.09) | 29(42.03) | 1 (3.45) | 13(44.83) | 5 (17.24) | 10(34.48) |
| **Food poisoning** | | 6 (9.84) | 22(36.07) | 11(18.03) | 22(36.07) |  | 5 (19.23) | 9 (34.62) | 6 (23.080 | 6 (23.08) |  |
| **Mastitis** | | 8 (17.39) | 9 (19.57) | 7 (15.22) | 22(47.83) |  | 5 (14.29) | 11(31.43) | 7(20.00) | 12(34.29) |  |
| **Pneumonia** | | 11(13.92) | 28(35.44) | 19(24.05) | 21(26.58) |  | 1 (3.23) | 8 (25.81) | 11(35.48) | 11(35.48) |  |
| **Fattening** | | 14(21.21) | 27(40.91) | 9(13.64) | 16(24.24) |  | 21(14.19) | 50(33.78) | 34(22.97) | 43(29.05) |  |
| **Anoestrous** | | 8 (10.00 ) | 22(27.50) | 17(21.25) | 33(41.25) |  | 5 (18.52) | 7 (25.93) | 7 (25.93) | 8 (29.63) |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameters** | **Goat** | **Cattle** | **Total** |
| **General Systemic state** | 305 (21.36) | 103 (18.36) | 408 (20.51) |
| **Digestive disorders** | 169 (11.73) | 67 (11.94) | 236 (11.81) |
| **Respiratory Infection** | 79 (5.53) | 31 (5.53) | 110 (5.53) |
| **Reproductive disorders** | 80 (5.60) | 27 (4.81) | 107 (5.38) |
| **Parasitic disease** | 274 (19.19) | 105 (18.72) | 379 (19.05) |
| **Infectious disease** | 105 (7.35) | 34 (6.06) | 139 (6.99) |
| **Mastitis** | 47 (3.29) | 35 (6.24) | 82 (4.12) |
| **Food poisoning** | 61 (4.27) | 25 (4.46) | 86 (4.32) |
| **Fattening** | 148 (10.36) | 66 (11.76) | 214 (10.76) |
| **Vitamin & Mineral deficiency** | 160 (11.2) | 68 (12.12) | 228 (11.46) |
| **Total** | **1428** | **561** | **1989** |