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| **Supplementary Table 3.** Results of ANOVA using the time, host landing of *Culicoides* as the source of variations for the **observed abundance** in the cattle sheds in the study area (Dharan). The values in bold indicate significance at P < 0.0001 level. T- time, H – Host body parts. |
| 1. *Culicoides oxystoma*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **SS** | **MS** | **DF** | **F** |
| TIME | 12813.434 | 1281.343 | 10 | **17.546** |
| HOST LANDING | 10408.242 | 1734.707 | 6 | **23.754** |
| TIME\*HOST LANDING | 49505.948 | 825.099 | 60 | **11.298** |
| Error | 78725.333 | 73.029 | 1078 |  |
| Total | 151452.958 |  | 1154 |  |
| **Contrast** | **Difference** | **Contrast** | **Difference** | **Contrast** | **Difference** |
| T10 vs T7 | **11.629** | T11 vs T1 | 2.771 | T2 vs T6 | 0.219 |
| T10 vs T5 | **11.610** | T1 vs T7 | 1.000 | T2 vs T3 | 0.181 |
| T10 vs T6 | **11.562** | T1 vs T5 | 0.981 | T2 vs T4 | 0.171 |
| T10 vs T3 | **11.524** | T1 vs T6 | 0.933 | T2 vs T8 | 0.038 |
| T10 vs T4 | **11.514** | T1 vs T3 | 0.895 | T8 vs T7 | 0.248 |
| T10 vs T8 | **11.381** | T1 vs T4 | 0.886 | T8 vs T5 | 0.229 |
| T10 vs T2 | **11.343** | T1 vs T8 | 0.752 | T8 vs T6 | 0.181 |
| T10 vs T9 | **11.019** | T1 vs T2 | 0.714 | T8 vs T3 | 0.143 |
| T10 vs T1 | **10.629** | T1 vs T9 | 0.390 | T8 vs T4 | 0.133 |
| T10 vs T11 | **7.857** | T9 vs T7 | 0.610 | T4 vs T7 | 0.114 |
| T11 vs T7 | 3.771 | T9 vs T5 | 0.590 | T4 vs T5 | 0.095 |
| T11 vs T5 | 3.752 | T9 vs T6 | 0.543 | T4 vs T6 | 0.048 |
| T11 vs T6 | 3.705 | T9 vs T3 | 0.505 | T4 vs T3 | 0.010 |
| T11 vs T3 | 3.667 | T9 vs T4 | 0.495 | T3 vs T7 | 0.105 |
| T11 vs T4 | 3.657 | T9 vs T8 | 0.362 | T3 vs T5 | 0.086 |
| T11 vs T8 | 3.524 | T9 vs T2 | 0.324 | T3 vs T6 | 0.038 |
| T11 vs T2 | 3.486 | T2 vs T7 | 0.286 | T6 vs T7 | 0.067 |
| T11 vs T9 | 3.162 | T2 vs T5 | 0.267 | T6 vs T5 | 0.048 |
| **Contrast** | **Difference** | **Contrast** | **Difference** | **Contrast** | **Difference** |
| H3 vs H7 | **8.903** | H1 vs H5 | 1.485 | H2 vs H6 | 0.006 |
| H3 vs H5 | **8.818** | H1 vs H4 | 1.418 | H6 vs H7 | 0.412 |
| H3 vs H4 | **8.752** | H1 vs H6 | 1.158 | H6 vs H5 | 0.327 |
| H3 vs H6 | **8.491** | H1 vs H2 | 1.152 | H6 vs H4 | 0.261 |
| H3 vs H2 | **8.485** | H2 vs H7 | 0.418 | H4 vs H7 | 0.152 |
| H3 vs H1 | **7.333** | H2 vs H5 | 0.333 | H4 vs H5 | 0.067 |
| H1 vs H7 | 1.570 | H2 vs H4 | 0.267 | H5 vs H7 | 0.085 |

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| 1. *Culicoides peregrinus*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **SS** | **MS** | **DF** | **F** |
| TIME | 12478.244 | 1247.824 | 10 | **15.632** |
| HOST LANDING | 12967.780 | 2161.297 | 6 | **27.076** |
| TIME\*HOST LANDING | 58232.010 | 970.534 | 60 | **12.159** |
| Error | 86048.667 | 79.823 | 1078 |  |
| Total | 169726.701 |   | 1154 |   |
| **Contrast** | **Difference** | **Contrast** | **Difference** | **Contrast** | **Difference** |
| T10 vs T7 | **11.105** | T11 vs T9 | **4.210** | T1 vs T6 | 0.552 |
| T10 vs T5 | **11.086** | T9 vs T7 | 0.952 | T1 vs T4 | 0.505 |
| T10 vs T6 | **11.067** | T9 vs T5 | 0.933 | T1 vs T3 | 0.486 |
| T10 vs T4 | **11.019** | T9 vs T6 | 0.914 | T1 vs T2 | 0.314 |
| T10 vs T3 | **11.000** | T9 vs T4 | 0.867 | T2 vs T7 | 0.276 |
| T10 vs T2 | **10.829** | T9 vs T3 | 0.848 | T2 vs T5 | 0.257 |
| T10 vs T1 | **10.514** | T9 vs T2 | 0.676 | T2 vs T6 | 0.238 |
| T10 vs T8 | **10.390** | T9 vs T1 | 0.362 | T2 vs T4 | 0.190 |
| T10 vs T9 | **10.152** | T9 vs T8 | 0.238 | T2 vs T3 | 0.171 |
| T10 vs T11 | **5.943** | T8 vs T7 | 0.714 | T3 vs T7 | 0.105 |
| T11 vs T7 | **5.162** | T8 vs T5 | 0.695 | T3 vs T5 | 0.086 |
| T11 vs T5 | **5.143** | T8 vs T6 | 0.676 | T3 vs T6 | 0.067 |
| T11 vs T6 | **5.124** | T8 vs T4 | 0.629 | T3 vs T4 | 0.019 |
| T11 vs T4 | **5.076** | T8 vs T3 | 0.610 | T4 vs T7 | 0.086 |
| T11 vs T3 | **5.057** | T8 vs T2 | 0.438 | T4 vs T5 | 0.067 |
| T11 vs T2 | **4.886** | T8 vs T1 | 0.124 | T4 vs T6 | 0.048 |
| T11 vs T1 | **4.571** | T1 vs T7 | 0.590 | T6 vs T7 | 0.038 |
| T11 vs T8 | **4.448** | T1 vs T5 | 0.571 | T6 vs T5 | 0.019 |
| **Contrast** | **Difference** | **Contrast** | **Difference** | **Contrast** | **Difference** |
| H3 vs H7 | **9.915** | H1 vs H5 | 1.224 | H2 vs H6 | 0.067 |
| H3 vs H5 | **9.806** | H1 vs H4 | 1.067 | H6 vs H7 | 0.339 |
| H3 vs H4 | **9.648** | H1 vs H6 | 0.994 | H6 vs H5 | 0.230 |
| H3 vs H6 | **9.576** | H1 vs H2 | 0.927 | H6 vs H4 | 0.073 |
| H3 vs H2 | **9.509** | H2 vs H7 | 0.406 | H4 vs H7 | 0.267 |
| H3 vs H1 | **8.582** | H2 vs H5 | 0.297 | H4 vs H5 | 0.158 |
| H1 vs H7 | 1.333 | H2 vs H4 | 0.139 | H5 vs H7 | 0.109 |

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