**S1** **Table summary of rapid participatory rural appraisals on hourly variables**; Summary of data obtained from the rapid participatory rural appraisals on the daily intensity of mosquito and human activity in different habitats

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Time** | **Periods of mosquito activity** | | | **Periods of human activity** | | | | |
| **Secondary forests** | **Mature rubber plantations** | **villages** | **Secondary forests** | **Mature rubber plantations** | | **Villages°** | **Rice fields** |
| **Tapping** | **Latex collection** |
| **7.00** | \*\*\*\* | \*\*\* | \* | High activity |  | High activity | Low activity | High activity |
| **8.00** | \*\*\*\* | \* | \* |  |
| **9.00** | \*\*\*\* | \* |  |  |
| **10.00** | \*\*\*\* | \* |  |  |
| **11.00** | \*\*\*\* | \* |  |  | Low activity |
| **12.00** | \*\*\*\* | \* |  |  |
| **13.00** | \*\*\*\* | \* |  |  |
| **14.00** | \*\*\*\* | \* |  |  |
| **15.00** | \*\*\*\* | \* |  |  |
| **16.00** | \*\*\*\* | \* |  |  |
| **17.00** | \*\*\*\* | \*\* | \* |  |
| **18.00** | \*\*\*\*\* | \*\*\*\* | \*\*\*\*\* | Low activity |  | High activity |  |
| **19.00** | \*\*\*\*\* | \*\*\* | \*\*\*\*\* |  |  |
| **20.00** | \*\*\*\*\* | \*\* | \*\*\*\* |  |  |
| **21.00** | \*\* | \*\* | \*\*\* |  |  |
| **22.00** | \*\* | \*\* | \*\*\* |  |  |
| **23.00** | \*\* | \*\* | \*\* |  |  |
| **24.00** | \*\* | \*\* | \* |  |  |
| **1.00** | \*\* | \*\* | \* |  |  |
| **2.00** | \*\* | \*\* | \* | High activity | Low activity |  |
| **3.00** | \*\* | \*\* | \* |  |
| **4.00** | \*\* | \*\* | \* |  |
| **5.00** | \*\* | \*\*\* | \*\* |  |
| **6.00** | \*\*\*\*\* | \*\*\*\* | \*\*\*\* |  |

*No information were collected on mosquito and human activity in immature rubber plantations due to the low and irregular activity of villagers and rubber workers in these habitats* *\* Intensity symbol for the different variables according to the experience of the local villagers and rubber workers from none to five °The village behavior is derived from when villagers are not in the secondary forests, rubber plantations and rice fields.*