**Appendix A**

Mean (±SD) of calling behaviour in *Anastrepha fraterculus* populations from Tucumán, Piracicaba and Vacaria (Brazil-1 morphotype), Peru and Colombia.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Hour** | **Peru** | **Colombia** | **Tucumán** | **Vacaria** | **Piracicaba** |
| **08:30** | 0 | 0 | 9±1.48 | 6.42±0.947 | 8.7±1.26 |
| **09:00** | 0 | 0 | 8.8±1.77 | 6.43±2.38 | 8.4±1.5 |
| **09:30** | 0 | 0 | 7.8±1.6 | 4.57±2.02 | 7.0±1.55 |
| **10:00** | 1.1±0.7 | 0 | 5.8±1.94 | 4.71±1.98 | 5.8±2.03 |
| **10:30** | 3.1±0.94 | 0 | 4.3±1.67 | 4.71±2.34 | 4.8±1.6 |
| **11:00** | 6.0±0.89 | 0 | 3.2±1.77 | 4.42±2.27 | 3.7±2.36 |
| **11:30** | 6.6±0.92 | 0 | 2.8±1.33 | 4.14±2.08 | 3.5±1.56 |
| **12:00** | 7.7±1.0 | 0 | 2.3±1.0 | 4.57±2.57 | 3.1±1,57 |
| **12:30** | 7.9±1.3 | 0 | 2.0±1.41 | 3.42±2.07 | 2.6±1.74 |
| **13:00** | 8.3±1.19 | 0.1±0.3 | 0.6±0.92 | 1.71±1.08 | 2.0±1.26 |
| **13:30** | 8.8±1.47 | 1.5±1.75 | 0.3±0.64 | 0.28±0.40 | 1.5±1.12 |
| **14:00** | 8.6±1.2 | 1.4±1.85 | 0 | 0 | 0.9±1.04 |
| **14:30** | 8.5±1.3 | 1.6±1.9 | 0 | 0 | 0.4±0.66 |
| **15:00** | 8.8±0.87 | 3.2±1.4 | 0 | 0 | 0.1±0.3 |
| **15:30** | 8.4±1.11 | 5.5±1.5 | 0 | 0 | 0.1±0.3 |
| **16:00** | 8.8±0.75 | 6.9±1.3 | 0 | 0 | 0 |
| **16:30** | 8.6±1.43 | 8.1±1.51 | 0 | 0 | 0 |
| **17:00** | 8.5±1.36 | 8.8±1.07 | 0 | 0 | 0 |
| **17:30** | 8.4±1.02 | 7.5±1.85 | 0 | 0 | 0 |