**Supplementary Table 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Province** | **Nearest trap locality** | **GPS co-ordinate** | **Origin** | **Family** | **Species** | **Number of samples** | **Weight (kg)** | **Count of emerged adult flies/species\*** | | | | | | | |
| **Cr** | **Cq** | **Crsl** | **Bd** | **Cc** | **Cco** | **Cru** | **Cp** |
| LP | Letsitele | 23°49'6.68"S 30°17'58.83"E | Ground | Anacardiaceae | *Mangifera indica* | 3 | 58,04 | 0 | 4 | 3 | 109 | 169 | 40 | 0 | 0 |
| MP | Nelspruit | 25°27'8.12"S 30°58'16.91"E | Tree & Ground | Myrtaceae | *Syzygium jambos* | 2 | 2,09 | 235 | 6 | 235 | 0 | 0 | 0 | 0 | 0 |
| Ground | Salicaceae | *Dovyalis caffra* | 3 | 2,76 | 6 | 0 | 9 | 0 | 9 | 1 | 0 | 0 |
| Anacardiaceae | *Mangifera indica* | 5 | 80,57 | 16 | 11 | 20 | 58 | 0 | 189 | 0 | 0 |
| Rubiaceae | *Coffea arabica* | 2 | 16,74 | 0 | 1 | 2 | 0 | 424 | 0 | 0 | 0 |
| Rutaceae | *Casimiroa edulis* | 1 | 1,80 | 12 | 5 | 11 | 0 | 1 | 0 | 0 | 0 |
| 25°26'33.09"S 30°58'15.04"E | Ground | Moraceae | *Ficus sycomorus* | 2 | 0,23 | 0 | 1 | 2 | 1 | 45 | 0 | 0 | 0 |
| 24°41'1.63"S 30°49'50.50"E | Ground | Rosaceae | *Prunus persica* | 3 | 69,29 | 37 | 839 | 874 | 15 | 2 | 0 | 1 | 0 |
| Sapotaceae | *Englerophytum magalismontanum* | 1 | 1,13 | 0 | 13 | 13 | 0 | 0 | 0 | 0 | 0 |
| 25°28'47.26"S 30°59'26.57"E | Ground | Sapotaceae | *Englerophytum magalismontanum* | 1 | 1,37 | 20 | 2 | 17 | 0 | 0 | 0 | 0 | 0 |
| Schoemanskloof | 26°30'35.11"S 30° 0'1.37"E | Tree & Ground | Myrtaceae | *Acca sellowiana* | 1 | 1,41 | 0 | 579 | 437 | 0 | 0 | 0 | 1 | 1 |
| Ground | Myrtaceae | *Acca sellowiana* | 1 | 3,62 | 0 | 2069 | 2148 | 0 | 0 | 0 | 0 | 0 |
| Riverside | 25°26'44.21"S 31°40'19.10"E | Ground | Irvingiaceae | *Irvingia gabonensis* | 2 | 1,67 | 0 | 0 | 1 | 0 | 0 | 56 | 0 | 0 |
| WC | Stellenbosch | 33°54'12.95"S 18°51'40.70"E | Ground | Rosaceae | *Eriobotrya japonica* | 2 | 1,61 | 0 | 0 | 1 | 0 | 119 | 0 | 0 | 0 |
| 33°54'7.92"S 18°51'35.90"E | Tree & Ground | Myrtaceae | *Psidium guajava* | 1 | 3,35 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

\* Species recorded were abbreviated as follows: *C. rosa* (Cr), *C. quilicii* (Cq), *C. rosa* s.l. (Crsl), *C. capitata* (Cc), *C. cosyra* (Cco), *Ceratitis rubivora* Coquillett (Cru), *Ceratitis pedestris* (Bezzi) (Cp)