**Supplementary Material**

**For Mazi et al. A subset of wild bee species boosts the pollination of pigeon pea (*Cajanus cajan* L. Fabacea), an important crop plant of Cameroon.**

**Table S1:** Floral rewards collectedby bee species in 2010/11, with information on contact of anthers and stigma by the visitor

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Order** | **Family** | **Insect species** | **Visits with contact of anthers only (A)** | | | | | | **Visits with contact of stigma and anthers (SA)** | | | | | |
| **Hymenoptera** | **Apidae** |  | **AN** | **%AN** | **AP** | **%AP** | **ANP** | **%ANP** | **SAN** | **%SAN** | **SAP** | **%SAP** | **SANP** | **%SANP** |
| *Ceratina* sp. 1 | 3 | 0.03 | 5 | 0.02 | 45 | 0.08 | 90 | 0.13 | 104 | 0.12 | 213 | 0.12 |
| *Xylocopa olivacea* | 11 | 0.10 | 17 | 0.08 | 0 | 0.00 | 25 | 0.04 | 58 | 0.07 | 64 | 0.04 |
| *Xylocopa* sp.1 | 0 | 0.00 | 0 | 0.00 | 22 | 0.04 | 25 | 0.04 | 12 | 0.01 | 57 | 0.03 |
| Megachilidae | *Chalicodoma cincta cincta* | 7 | 0.07 | 9 | 0.04 | 24 | 0.04 | 57 | 0.08 | 44 | 0.05 | 109 | 0.06 |
| *Chalicodoma rufipes* | 42 | 0.40 | 82 | 0.40 | 196 | 0.33 | 232 | 0.33 | 270 | 0.30 | 574 | 0.33 |
| *Chalicodoma* sp.1 | 21 | 0.20 | 19 | 0.09 | 128 | 0.22 | 105 | 0.15 | 151 | 0.17 | 315 | 0.18 |
| *Chalicodoma* sp.2 | 7 | 0.07 | 16 | 0.08 | 20 | 0.03 | 45 | 0.06 | 53 | 0.06 | 88 | 0.05 |
| *Chalicodoma* sp.3 | 4 | 0.04 | 22 | 0.11 | 16 | 0.03 | 39 | 0.06 | 68 | 0.08 | 40 | 0.02 |
| *Megachile* sp.1 | 0 | 0.00 | 0 | 0.00 | 14 | 0.02 | 50 | 0.07 | 40 | 0.04 | 88 | 0.05 |
| *Megachile* sp.2 | 0 | 0.00 | 0 | 0.00 | 44 | 0.07 | 0 | 0.00 | 0 | 0.00 | 51 | 0.03 |
| Halictidae | *Crossisaspidia chandleri* | 0 | 0.00 | 0 | 0.00 | 42 | 0.07 | 37 | 0.05 | 38 | 0.04 | 84 | 0.05 |
| *Lipotriches notabilis* | 11 | 0.10 | 37 | 0.18 | 44 | 0.07 | 0 | 0.00 | 54 | 0.06 | 51 | 0.03 |
| Total | | | 106 | 100 | 207 | 100 | 595 | 100 | 705 | 100 | 892 | 100 | 1734 | 100 |

A: anther; S: stigma; N: nectar; P: pollen; %: percentage

**Table S2:** Floral rewards collected by bee species in 2011/12, with information on contact of anthers and stigma by the visitor

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Order** | **Family** | **Insect species** | **Visits with contact of anthers only (A)** | | | | | | **Visits with contact of stigma and anthers (SA)** | | | | | |
| **Hymenoptera** | **Apidae** |  | **AN** | **%AN** | **AP** | **%AP** | **ANP** | **%ANP** | **SAN** | **%SAN** | **SAP** | **%SAP** | **SANP** | **%SANP** |
| *Apis mellifera adansonii* | 22 | 0.09 | 2 | 0.00 | 14 | 0.02 | 15 | 0.02 | 9 | 0.01 | 25 | 0.01 |
| *Ceratina* sp. 1 | 35 | 0.14 | 114 | 0.21 | 116 | 0.16 | 121 | 0.16 | 315 | 0.23 | 305 | 0.17 |
| *Xylocopa olivacea* | 30 | 0.12 | 5 | 0.01 | 6 | 0.01 | 54 | 0.07 | 21 | 0.02 | 26 | 0.01 |
| *Xylocopa* sp.1 | 0 | 0.00 | 2 | 0.00 | 19 | 0.03 | 21 | 0.03 | 20 | 0.01 | 42 | 0.02 |
| Megachilidae | *Chalicodoma cincta cincta* | 6 | 0.02 | 46 | 0.09 | 56 | 0.08 | 54 | 0.07 | 133 | 0.10 | 182 | 0.10 |
| *Chalicodoma rufipes* | 47 | 0.19 | 287 | 0.53 | 225 | 0.31 | 139 | 0.19 | 554 | 0.40 | 599 | 0.33 |
| *Chalicodoma* sp.1 | 51 | 0.21 | 44 | 0.08 | 159 | 0.22 | 132 | 0.18 | 199 | 0.14 | 380 | 0.21 |
| *Chalicodoma* sp.2 | 23 | 0.09 | 15 | 0.03 | 23 | 0.03 | 80 | 0.11 | 47 | 0.03 | 96 | 0.05 |
| *Chalicodoma* sp.3 | 21 | 0.09 | 0 | 0.00 | 5 | 0.01 | 39 | 0.05 | 4 | 0.00 | 14 | 0.01 |
| *Megachile* sp.1 | 7 | 0.03 | 0 | 0.00 | 10 | 0.01 | 31 | 0.04 | 33 | 0.02 | 41 | 0.02 |
| *Megachile* sp.2 | 0 | 0.00 | 0 | 0.00 | 11 | 0.02 | 7 | 0.01 | 9 | 0.01 | 17 | 0.01 |
| Halictidae | *Crossisaspidia chandleri* | 5 | 0.02 | 8 | 0.01 | 21 | 0.03 | 21 | 0.03 | 23 | 0.02 | 38 | 0.02 |
| *Lipotriches notabilis* | 0 | 0.00 | 18 | 0.03 | 61 | 0.08 | 21 | 0.03 | 26 | 0.02 | 71 | 0.04 |
| Total | | | 247 | 100 | 541 | 100 | 726 | 100 | 735 | 100 | 1393 | 100 | 1836 | 100 |

A: anther; S: stigma; N: nectar; P: pollen; %: percentage