Appendix 1. Insects visiting *P. juliflora* from April to June 2008 in three selected locations along with percentage of visits (relative to the total number of visits in each location)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Insect visitors | Families | Chichawatni | Pirowal | Chak Katora | Over all  |
| No. | % | No. | % | No. | % | No. | % |
| **Diptera** |  |  |  |  |  |  |  |  |  |
| *Calliphoridae* sp. | Calliphoridae | 2 | 0.74 |  |  | 1 | 0.79 | 3 | 0.38 |
| *Euphumosia* sp. 1  | Calliphoridae | 2 | 0.74 |  |  |  |  | 2 | 0.25 |
| *Euphumosia* sp. 2 | Calliphoridae | 3 | 1.10 | 4 | 1.00 | 3 | 2.36 | 10 | 1.25 |
| *Heterostylodes* | Anthomyiidae | 2 | 0.74 | 1 | 0.25 | 2 | 1.57 | 5 | 0.63 |
| *Sarcophaga* sp. | Sarcophagidae |  |  | 4 | 1.00 |  |  | 4 | 0.50 |
| *Odontomyia* sp.  | Stratiomyidae | 1 | 0.37 | 3 | 0.75 |  |  | 4 | 0.50 |
| *Episyrphus balteatus*  | Syrphidae | 19 | 6.99 | 2 | 0.5 | 6 | 4.72 | 27 | 3.38 |
| *Eristalinus aeneus*  | Syrphidae | 14 | 5.15 | 46 | 11.47 |  |  | 60 | 7.5 |
| *Eristalinus laetus*  | Syrphidae | 5 | 1.84 | 8 | 2 | 1 | 0.79 | 14 | 1.75 |
| *Eristalodes taeniops*  | Syrphidae |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| *Eupeodes corollae*  | Syrphidae | 2 | 0.74 | 2 | 0.5 |  |  | 4 | 0.5 |
| *Ischiodon scutellaris*  | Syrphidae | 13 | 4.78 | 42 | 10.47 |  |  | 55 | 6.88 |
| *Melanostoma* sp*.*  | Syrphidae | 15 | 5.51 |  |  | 1 | 0.79 | 16 | 2 |
| *Musca domestica*  | Syrphidae | 2 | 0.74 | 2 | 0.5 |  |  | 4 | 0.5 |
| *Scaeva latimaculata*  | Syrphidae | 1 | 0.37 |  |  |  |  | 1 | 0.13 |
| *Sphaerophoria bengalensis*  | Syrphidae | 8 | 2.94 | 16 | 3.99 | 3 | 2.36 | 27 | 3.38 |
| Diptera sp. 1  | Unidentified | 1 | 0.37 | 1 | 0.25 |  | 0.00 | 2 | 0.25 |
| Diptera sp. 2  | Unidentified |  |  |  |  | 1 | 0.79 | 1 | 0.13 |
| **Hymenoptera** |  |  |  |  |  |  |  |  |  |
| *Apis dorsata*  | Apidae | 84 | 30.88 | 59 | 14.71 | 8 | 6.3 | 151 | 18.88 |
| *Amegilla* sp*.*  | Apidae | 11 | 4.04 | 5 | 1.25 |  |  | 16 | 2 |
| Apidae sp.  | Apidae |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| *Apis florea*  | Apidae | 26 | 9.56 | 92 | 22.94 | 29 | 22.83 | 147 | 18.38 |
| *Ceratina* sp*.* | Apidae |  |  |  |  | 1 | 0.79 | 1 | 0.13 |
| *Melissodes* sp. 1 | Apidae | 1 | 0.37 | 9 | 2.24 |  |  | 10 | 1.25 |
| *Melissodes* sp.2 | Apidae | 1 | 0.37 | 6 | 1.5 |  |  | 7 | 0.88 |
| *Thyreus* sp. | Apidae |  |  | 2 | 0.5 |  |  | 2 | 0.25 |
| *Xylocopa basalis*  | Apidae | 1 | 0.37 |  |  |  |  | 1 | 0.13 |
| *Colletes* sp.  | Colletidae |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| *Agapostemon* sp. 1  | Halictidae | 8 | 2.94 | 7 | 1.75 | 17 | 13.39 | 32 | 4 |
| *Agapostemon* sp*.* 2 | Halictidae |  |  | 4 | 1 | 3 | 2.36 | 7 | 0.88 |
| *Nomia Oxybeloiues*  | Halictidae |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| Halictidae sp. 1  | Halictidae | 3 | 1.1 | 7 | 1.75 | 4 | 3.15 | 14 | 1.75 |
| Halictidae sp. 2 | Halictidae |  |  | 5 | 1.25 |  |  | 5 | 0.63 |
| Halictidae sp. 3 | Halictidae | 2 | 0.74 | 1 | 0.25 |  |  | 3 | 0.38 |

Appendix 1. Continued

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Insect visitors | Families | Chichawatni | Khanewal | Chak Katora | Over all  |
| No. | % | No. | % | No. | % | No. | % |
| Halictidae sp. 4 | Halictidae |  |  | 4 | 1 |  |  | 4 | 0.5 |
| Halictidae sp. 5 | Halictidae |  |  | 4 | 1 |  |  | 4 | 0.5 |
| Halictidae sp. 6 | Halictidae |  |  |  |  | 1 | 0.79 | 1 | 0.13 |
| Halictidae sp. 7 | Halictidae |  |  | 2 | 0.5 |  |  | 2 | 0.25 |
| Halictidaesp. 8 | Halictidae | 2 | 0.74 |  |  |  |  | 2 | 0.25 |
| *Coelioxys* sp. 2 | Megachilidae |  |  | 2 | 0.5 | 3 | 2.36 | 5 | 0.63 |
| *Megachile* sp. 1 | Megachilidae |  |  | 2 | 0.5 |  |  | 2 | 0.25 |
| *Megachile* sp*.* 2 | Megachilidae | 1 | 0.37 | 1 | 0.25 |  |  | 2 | 0.25 |
| *Megachile* sp. 3 | Megachilidae |  | 0 | 8 | 2 | 23 | 18.11 | 31 | 3.88 |
| *Megachile* sp. 4  | Megachilidae | 1 | 0.37 | 5 | 1.25 |  |  | 6 | 0.75 |
| *Megachile* sp. 5 | Megachilidae | 1 | 0.37 |  |  |  |  | 1 | 0.13 |
| *Osmia* sp.  | Megachilidae |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| *Crabronidae* sp. | Crabronidae | 2 | 0.74 | 1 | 0.25 |  |  | 3 | 0.38 |
| Tiphiidae sp.  | Tiphiidae | 3 | 1.1 |  |  |  |  | 3 | 0.38 |
| *Polistes olivaceus*  | Vespidae | 4 | 1.47 | 2 | 0.5 | 1 | 0.79 | 7 | 0.88 |
| *Vespa orientalis*  | Vespidae | 2 | 0.74 |  |  |  |  | 2 | 0.25 |
| Wasp 1  | Unidentified |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| Wasp 2  | Unidentified | 5 | 1.84 |  |  |  |  | 5 | 0.63 |
| Wasp 3  | Unidentified | 2 | 0.74 |  |  | 1 | 0.79 | 3 | 0.38 |
| Wasp 4  | Unidentified |  |  |  |  | 1 | 0.79 | 1 | 0.13 |
| Wasp 5  | Unidentified |  |  | 2 | 0.5 |  |  | 2 | 0.25 |
| wasp 6  | Unidentified |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| wasp 7  | Unidentified |  |  | 2 | 0.5 | 2 | 1.57 | 4 | 0.5 |
| Wasp 8  | Unidentified | 1 | 0.37 |  |  |  |  | 1 | 0.13 |
| Wasp 9  | Unidentified |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| **Lepidoptera** |  |  |  |  |  |  |  |  |  |
| *Danaus chrysippus*  | Danadidae | 3 | 1.1 |  |  |  |  | 3 | 0.38 |
| *Parnara guttata*  | Hespiriidae | 1 | 0.37 |  |  |  |  | 1 | 0.13 |
| *Tarucus venosus*  | Lycaenidae |  |  | 2 | 0.5 |  |  | 2 | 0.25 |
| *Polyommatus eros*  | Lycaenidae |  | 0.00 | 11 | 2.74 | 2 | 1.57 | 13 | 1.63 |
| *Heliothis armigera*  | Noctuidae | 2 | 0.74 |  |  | 2 | 1.57 | 4 | 0.50 |
| *Junonia almana*  | Nymphalidae | 2 | 0.74 | 2 | 0.5 | 1 | 0.79 | 5 | 0.63 |
| *Colotis amata*  | Pieridae |  |  | 1 | 0.25 |  |  | 1 | 0.13 |
| *Anaphais aurota*  | Pieridae |  |  |  |  | 1 | 0.79 | 1 | 0.13 |
| *Colotis etrida*  | Pieridae | 3 | 1.1 | 1 | 0.25 | 1 | 0.79 | 5 | 0.63 |
| *Colotis vestalis*  | Pieridae | 3 | 1.1 | 2 | 0.5 |  |  | 5 | 0.63 |

Appendix 1. Continued

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Insect visitors** |  | Chichawatni | Khanewal | Chak Katora | Over all  |
|  |  | No. | % | No. | % | No. | % | No. | % |
| *Eurema hecabe*  | Pieridae |  |  |  |  | 3 | 2.36 | 3 | 0.38 |
| *Pieris brassicae*  | Pieridae | 1 | 0.37 | 1 | 0.25 | 1 | 0.79 | 3 | 0.38 |
| Moth 1  | Unidentified |  |  | 3 | 0.75 |  |  | 3 | 0.38 |
| **Coleoptera** |  |  |  |  |  |  |  |  |  |
| Beetle 1 | Unidentified |  |  |  |  | 4 | 3.15 | 4 | 0.50 |
| Beetle 2 | Unidentified | 1 | 0.37 |  |  |  |  | 1 | 0.13 |
| Beetle 3 | Unidentified | 1 | 0.37 | 5 | 1.25 |  |  | 6 | 0.75 |
| Weevil 1  | Unidentified | 1 | 0.37 |  |  |  |  | 1 | 0.13 |
| Weevil 2  | Unidentified | 3 | 1.10 | 2 | 0.50 |  |  | 5 | 0.63 |