

Electronic Supplementary Materials for

A comparison between window trap and pan trap in monitoring flower-visiting insects in agricultural fields

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Appendix 1. The setup of a window trap.



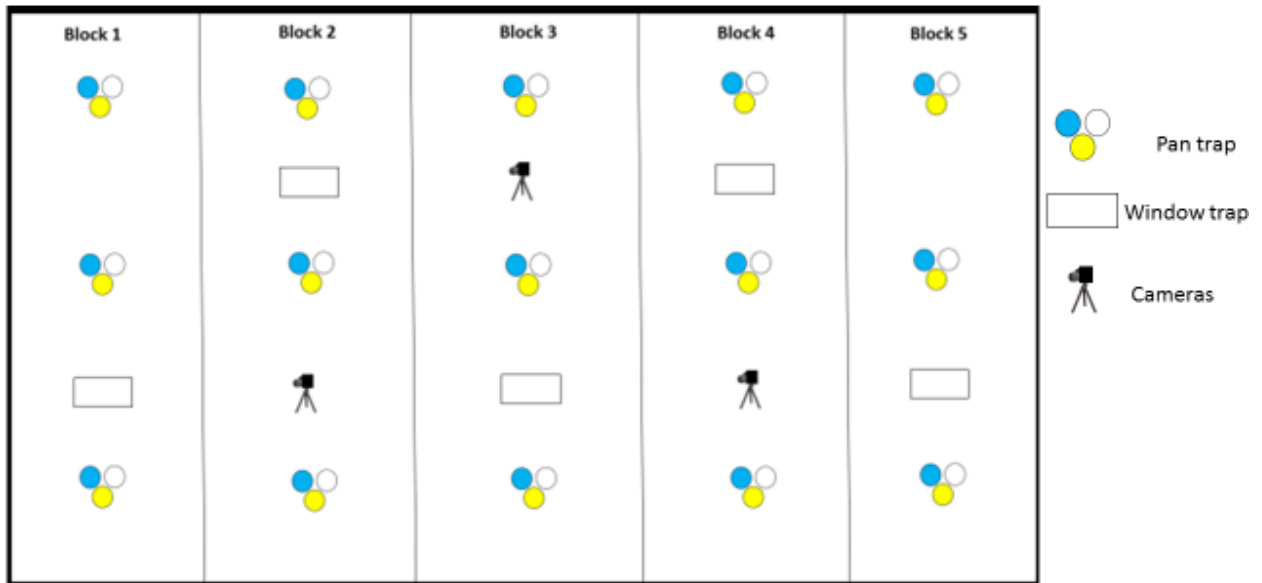
Appendix 2.

Table S1. The number of specimens collected in pan trap and window trap

Order	Family	Species	Pan trap	Window trap
Lepidoptera	Pieridae	<i>Pieris rapae</i>	141	115
Hymenoptera	Apidae	<i>Apis cerana</i>	88	241
Hymenoptera	Apidae	<i>Apis mellifera</i>	87	299
Hymenoptera	Megachilidae	<i>Osmia excavata</i>	37	32
Hymenoptera	Apidae	<i>Eucera floralia</i>	21	27
Diptera	Syrphidae	<i>Eupeodes corollae</i>	20	4
Hymenoptera	Megachilidae	<i>Osmia pedicornis</i>	18	34
Coleoptera	Scarabaeoidea	<i>Scarabaeoidea</i> sp1	17	5
Hymenoptera	Halictidae	<i>Lasioglossum proximatum</i>	14	29
Hymenoptera	Halictidae	<i>Lasioglossum</i> sp1	13	6
Hymenoptera	Apidae	<i>Ceratina okinawana</i>	13	5
Diptera	Syrphidae	<i>Syrphidae</i> sp1	11	7
Hymenoptera	Andrenidae	<i>Andrena</i> sp1	9	3
Hymenoptera	Halictidae	<i>Lasioglossum subopacum</i>	7	10
Hymenoptera	Andrenidae	<i>Andrena richardsi</i>	7	2
Hymenoptera	Apidae	<i>Anthophora melanognatha</i>	6	6
Hymenoptera	Halictidae	<i>Lasioglossum scitulum</i>	5	4
Diptera	Syrphidae	<i>Syrphus corollae</i>	4	5
Hymenoptera	Halictidae	<i>Lasioglossum kumejimense</i>	4	2
Hymenoptera	Halictidae	<i>Halictus aerarius</i>	3	3
Hymenoptera	Apidae	<i>Ceratina flavipes</i>	3	1
Lepidoptera	Nymphalidae	<i>Argynnis hyperbius</i>	3	0
Hymenoptera	Vespidae	<i>Eumeninae</i> sp1	2	2
Hymenoptera	Halictidae	<i>Lasioglossum occidens</i>	2	2
Diptera		Diptera sp1	2	1

Hymenoptera	Sphecidae	Sphecidae sp1	2	1
Hymenoptera	Halictidae	<i>Nomada</i> sp1	2	0
Hymenoptera	Vespidae	<i>Polistinae</i> sp1	2	0
Hymenoptera	Apidae	<i>Xylocopa tranquebarorum</i>	1	15
Hymenoptera	Halictidae	<i>Lasioglossum</i> sp2	1	3
Hymenoptera	Halictidae	<i>Nomada</i> sp2	1	3
Hymenoptera	Pieridae	<i>Pieris melete</i>	1	0
Hymenoptera	Vespidae	<i>Vespula</i> sp1	1	0
Diptera	Syrphidae	<i>Episyrphus balteatus</i>	0	8
Diptera	Syrphidae	<i>Phytomyia zonata</i>	0	6
Diptera		Diptera sp2	0	5
Hymenoptera	Megachilidae	<i>Osmia cornifrons</i>	0	4
Hymenoptera	Andrenidae	<i>Andrena callopyrrha</i>	0	3
Hymenoptera	Megachilidae	<i>Osmia microdonta</i>	0	1

Appendix 3. Field experimental design of pan traps, window traps and camera observations.



Appendix 4.

The relationship of the proportion of different groups between two passive traps and camera observation for 2018 (a and b), and 2019 (c and d); the black lines represent $y=x$.

