

Table S1. List of the data analyzed using PROC GLIMMIX for specific data types, crop (cowpeas and pollinator-dependent crops (PDCs)), year, transformation type, and distribution and with or without repeated measures.

Data type	Crop	Year	Transformation	Distribution	Repeated measure
Pollinators from visual counts	Cowpea	2018	Square-root	Normal	Yes
Pollinators from visual counts	Cowpea	2019	Square-root	Normal	Yes
Pollinators from sticky traps	Cowpea	2018	Square-root	Normal	Yes
Pollinators from sticky traps	Cowpea	2019	log	Normal	Yes
Pollinators from pan traps	Cowpea	2018	Square-root	Normal	Yes
Pollinators from pan traps	Cowpea	2019	Square-root	Normal	Yes
Total pollinators from all sampling methods	Cowpea	2018	Square-root	Normal	No
Total pollinators from all sampling methods	Cowpea	2019	Square-root	Normal	No
Pollinators from visual counts	PDCs	2018	Square-root	Normal	Yes
Pollinators from visual counts	PDCs	2019	Square-root	Normal	Yes
Pollinators from sticky traps	PDCs	2018	Square-root	Normal	Yes
Pollinators from sticky traps	PDCs	2019	Square-root	Normal	Yes
Pollinators from pan traps	PDCs	2018	Square-root	Normal	Yes
Pollinators from pan traps	PDCs	2019	Square-root	Normal	Yes
Total pollinators from all sampling methods	PDCs	2018	Square-root	Normal	No
Total pollinators from all sampling methods	PDCs	2019	Square-root	Normal	No
Total pollinators from all sampling methods	Cowpea	Combined	Logit	Negative binomial	No
Total pollinators from all sampling methods	PDCs	Combined	No	Normal	No
Weekly pollinator population cowpeas vs crops	Cowpea & PDCs	Combined	Square-root	Normal	Yes
Total pollinator on cowpeas and Okra	Cowpea & PDCs	Combined	Square-root	Normal	No
Total pollinator on cowpeas and squash	Cowpea & PDCs	Combined	log	Normal	No
Total pollinator on cowpeas and watermelon	Cowpea & PDCs	Combined	Square-root	Normal	No
Total beneficial insects	PDCs	Combined	log	Normal	No
Total BMSB	PDCs	Combined	log	Normal	No
Total beneficial insects	Cowpea	Combined	No	Normal	No
Total BMSB	Cowpea	Combined	Logit	Negative binomial	No
Total yield	PDCs	2018	Log	Normal	No
Total yield	PDCs	2019	Log	Normal	No
Total yield	PDCs	Combined	Log	Normal	No
Total fresh yield	Cowpea	Combined	No	Normal	No