

ISU Monarch Data Summary for NCIG

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2019-06-10

Table 1: Bee species: mean count across all surveys

year	Bee Species	Native Status	tbyd1a	tbyd2a	tcr1a	tuth1a	tuth2a	tuth3b
2016	bumble	introduced	-	1	-	-	1	-
2016	honey	introduced	-	2	1	-	-	-
2016	honey	native	-	-	-	-	-	2
2016	solitary	introduced	-	2	1	-	-	-
2016	solitary	native	-	-	-	-	-	2
2017	bumble	introduced	-	-	-	6	-	-
2017	bumble	native	2	-	-	1	-	-
2017	honey	introduced	-	-	5	-	-	-
2017	solitary	both	-	-	2	-	-	-
2017	solitary	introduced	-	-	2	-	2	-
2017	solitary	native	-	-	1	-	-	-
2018	bumble	introduced	3	4	-	-	3	-
2018	bumble	native	13	5	-	-	-	2
2018	honey	introduced	2	1	4	-	-	-
2018	honey	native	4	10	8	-	1	2
2018	solitary	both	-	1	-	-	-	-
2018	solitary	introduced	54	43	7	-	4	11
2018	solitary	native	5	9	6	8	49	13

Table 2: 2018 bee species: mean count across all surveys

year	Bee Species	Nectar Plant Species	tbyd1a	tbyd2a	tcr1a	tuth1a	tuth2a	tuth3b
2018	bumble	field thistle	-	-	-	-	-	0.20
2018	bumble	musk thistle	-	-	-	-	0.30	-
2018	bumble	ox eye sunflower	0.10	-	-	-	-	-
2018	bumble	red clover	0.30	0.40	-	-	-	-
2018	bumble	yellow coneflower	1.20	0.50	-	-	-	-
2018	honey	black eyed susan	-	-	0.80	-	-	0.30
2018	honey	hoary vervain	-	-	-	-	0.10	-
2018	honey	ox eye sunflower	0.20	0.40	-	-	-	-
2018	honey	white clover	0.20	0.10	0.40	-	-	-
2018	honey	wild parsnip	0.10	-	-	-	-	-
2018	honey	yellow coneflower	0.20	0.60	-	-	-	0.10
2018	solitary	black eyed susan	-	-	0.40	-	-	0.70
2018	solitary	brown eyed susan	0.10	-	-	-	-	-
2018	solitary	buffalobur nightshade	-	-	-	0.20	-	-
2018	solitary	butterfly milkweed	-	-	0.40	-	-	-
2018	solitary	canada thistle	-	-	-	-	0.10	-
2018	solitary	common dandelion	-	0.10	-	-	-	-
2018	solitary	common milkweed	-	-	0.10	-	-	-
2018	solitary	field thistle	-	-	-	-	-	0.40
2018	solitary	hoary vervain	-	-	-	0.10	0.30	-
2018	solitary	maretail	-	-	0.30	1.00	4.60	2.10
2018	solitary	marijuana	-	-	-	-	0.40	-
2018	solitary	musk thistle	-	-	-	-	0.20	0.40
2018	solitary	ox eye sunflower	0.30	0.20	-	-	-	0.10
2018	solitary	partridge pea	-	-	-	-	-	0.10
2018	solitary	red clover	0.25	0.20	0.20	-	-	-
2018	solitary	white clover	5.60	3.85	0.25	-	-	0.15
2018	solitary	white sweet clover	0.60	-	-	-	-	-
2018	solitary	wild parsnip	1.95	1.95	-	-	-	2.50
2018	solitary	yellow coneflower	0.10	0.70	0.20	-	-	0.25
2018	solitary	yellow sweet clover	-	1.20	-	-	-	-

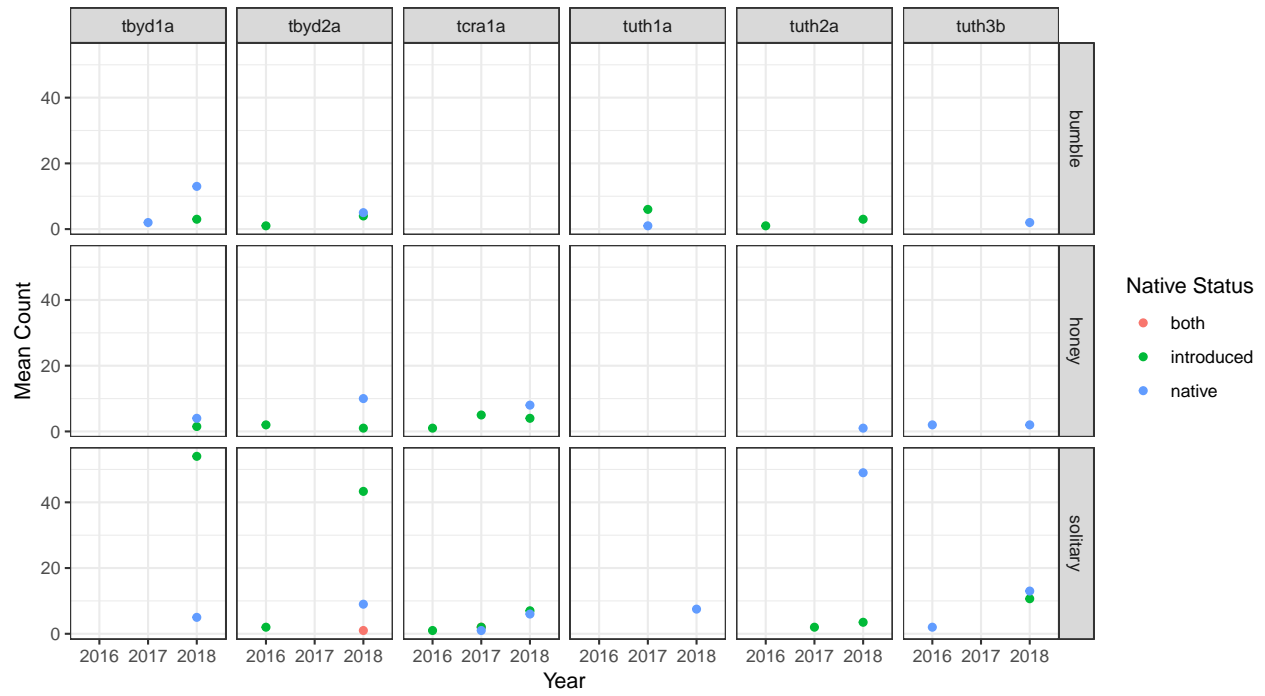


Figure 1: This is a visual representation of Table ef{t:bee}.

Table 3: Bee species: yearly counts across all species

2016	2017	2018
16	23	539

Table 4: Bee species: yearly counts broken down by species

Bee Species	2016	2017	2018
bumble	2	9	30
honey	8	5	35
solitary	6	9	474