

ISU Monarch Data Summary for NCIG

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2019-06-03

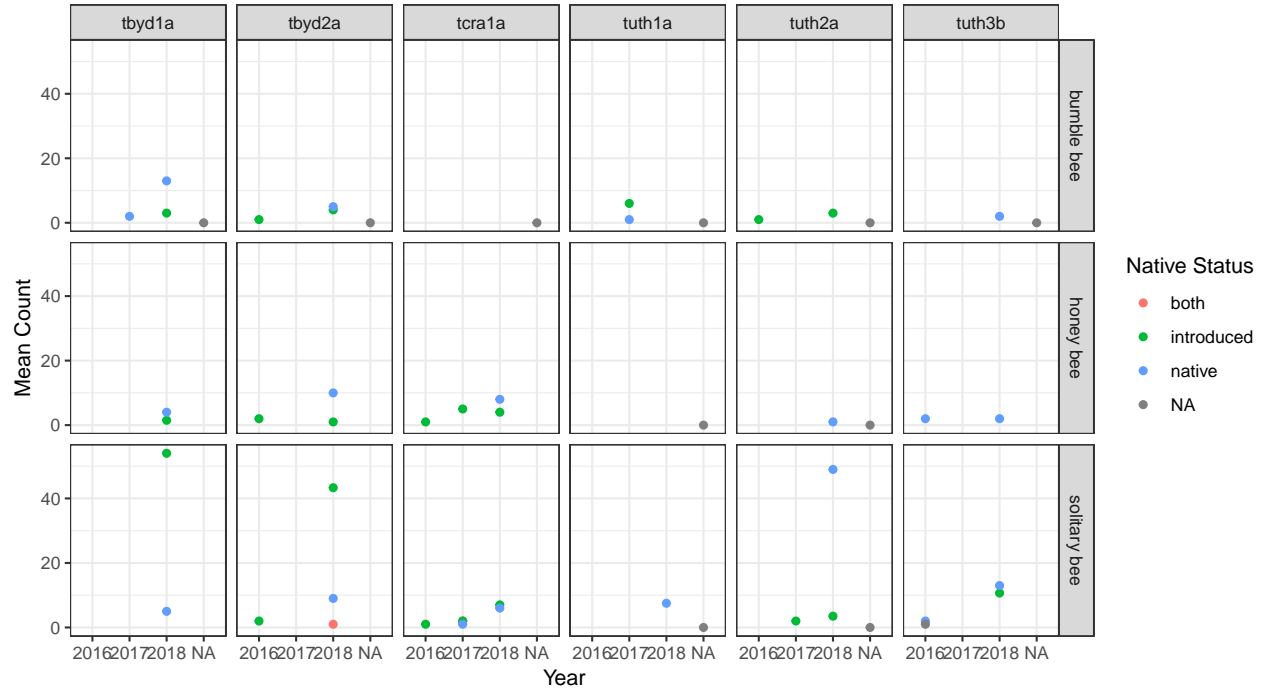


Figure 1: This is a visual representation of Table ef{t:bee}.

Table 1: Bee species: mean count across all surveys

year	Bee Species	native_introduced_both	tbyd1a	tbyd2a	tcra1a	tuth1a	tuth2a	tuth3b
2016	bumble bee	introduced	-	1	-	-	1	-
2016	honey bee	introduced	-	2	1	-	-	-
2016	honey bee	native	-	-	-	-	-	2
2016	solitary bee	introduced	-	2	1	-	-	-
2016	solitary bee	native	-	-	-	-	-	2
2016	solitary bee	-	-	-	-	-	-	1
2017	bumble bee	introduced	-	-	-	6	-	-
2017	bumble bee	native	2	-	-	1	-	-
2017	honey bee	introduced	-	-	5	-	-	-
2017	solitary bee	both	-	-	2	-	-	-
2017	solitary bee	introduced	-	-	2	-	2	-
2017	solitary bee	native	-	-	1	-	-	-
2018	bumble bee	introduced	3	4	-	-	3	-
2018	bumble bee	native	13	5	-	-	-	2
2018	honey bee	introduced	1.5	1	4	-	-	-
2018	honey bee	native	4	10	8	-	1	2
2018	solitary bee	both	-	1	-	-	-	-
2018	solitary bee	introduced	54	43.33333333333333	7	-	3.5	10.66666666666667
2018	solitary bee	native	5	9	6	7.5	49	13
-	bumble bee	-	0	0	0	0	0	0
-	honey bee	-	-	-	-	0	0	-
-	solitary bee	-	-	-	-	0	0	-

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

year	Bee Species	Nectar Plant Species	tbyd1a	tbyd2a	tcr1a	tuth1a	tuth2a	tuth3b
2018	bumble bee	field thistle	-	-	-	-	-	0.2
2018	bumble bee	musk thistle	-	-	-	-	0.3	-
2018	bumble bee	ox eye sunflower	0.1	-	-	-	-	-
2018	bumble bee	red clover	0.3	0.4	-	-	-	-
2018	bumble bee	yellow coneflower	1.2	0.5	-	-	-	-
2018	honey bee	black eyed susan	-	-	0.8	-	-	0.3
2018	honey bee	hoary vervain	-	-	-	-	0.1	-
2018	honey bee	ox eye sunflower	0.2	0.4	-	-	-	-
2018	honey bee	white clover	0.2	0.1	0.4	-	-	-
2018	honey bee	wild parsnip	0.1	-	-	-	-	-
2018	honey bee	yellow coneflower	0.2	0.6	-	-	-	0.1
2018	solitary bee	black eyed susan	-	-	0.4	-	-	0.7
2018	solitary bee	brown eyed susan	0.1	-	-	-	-	-
2018	solitary bee	buffalobur nightshade	-	-	-	0.2	-	-
2018	solitary bee	butterfly milkweed	-	-	0.4	-	-	-
2018	solitary bee	canada thistle	-	-	-	-	0.1	-
2018	solitary bee	common dandelion	-	0.1	-	-	-	-
2018	solitary bee	common milkweed	-	-	0.1	-	-	-
2018	solitary bee	field thistle	-	-	-	-	-	0.4
2018	solitary bee	hoary vervain	-	-	-	0.1	0.3	-
2018	solitary bee	marestail	-	-	0.3	1	4.6	2.1
2018	solitary bee	marijuana	-	-	-	-	0.4	-
2018	solitary bee	musk thistle	-	-	-	-	0.2	0.4
2018	solitary bee	ox eye sunflower	0.3	0.2	-	-	-	0.1
2018	solitary bee	partridge pea	-	-	-	-	-	0.1
2018	solitary bee	red clover	0.25	0.2	0.2	-	-	-
2018	solitary bee	white clover	5.6	3.85	0.25	-	-	0.15
2018	solitary bee	white sweet clover	0.6	-	-	-	-	-
2018	solitary bee	wild parsnip	1.95	1.95	-	-	-	2.5
2018	solitary bee	yellow coneflower	0.1	0.7	0.2	-	-	0.25
2018	solitary bee	yellow sweet clover	-	1.2	-	-	-	-
-	bumble bee	-	0	0	0	0	0	0
-	honey bee	-	-	0	0	0	0	0
-	solitary bee	-	-	-	-	0	0	-