

# ISU Monarch Data Summary for NCIG

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Table ?? and ?? provide mean count of nectar plant species averaged across all data collection events. Table 1 provides mean count of milkweed ramets. Values in table represent the specific counting unit for each species, not necessarily a whole plant. Table ?? and ?? provide nectar plant species density (per 100m<sup>2</sup>) averaged across all data collection events. Table 3 provides mean density of milkweed ramets. Values in table represent the specific counting unit for each species, not necessarily a whole plant.

Table ?? provides average land cover percentage averaged across all data collection events.

Table ?? provides average amount of vegetation across all data collection events.

Table ?? provides total number of monarchs sighted anywhere around site during entire time at site, number of monarchs sighted during a survey period, number of milkweed ramets (an upper limit of 20 per round per site, although the same milkweed may have been surveyed in different rounds), number of monarch eggs counted on milkweed plants (if no milkweed present, no monarch eggs present, number of monarch larvae (caterpillars) counted on milkweed plants (if no milkweed present, no larvae present).

Table 1: 2017 nectar plant species: mean count across all surveys

Nectar Plant Species	tall1a	tall2a	tapp1a	tarm1b	tarm2a	tber1a	tber2a	tber1a	tber3a	tbyd1a	tbyd2a	ter1a	ter2a	tdun2a	tdun3a	tfis1a	tgro2a	thar1a	tjon1a	tniela	tnkn1a	tnkn2a
butterfly milkweed ramet	-	-	-	-	-	-	-	-	-	0.3	0.7	-	-	-	-	-	-	-	-	-	-	-
common milkweed ramet	-	-	-	2.0	-	-	-	-	-	2.7	1.7	0.3	-	-	-	-	-	4.7	4.0	8.3	13.3	-
milkweed strip: common milkweed ramet	-	0.3	-	20.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
swamp milkweed ramet	-	-	-	0.3	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-

Table 2: 2018 nectar plant species: mean count across all surveys

Nectar Plant Species	tall1a	tall2a	tapp1a	tarm1b	tarm2a	tber1a	tber2a	tber1a	tber3a	tbyd1a	tbyd2a	ter1a	ter2a	tdun2a	tdun3a	tfis1a	tgro1a	tgro2a	thar1a	tjon1a	tniela	tnkn1a	tnkn2a
butterfly milkweed ramet	-	-	-	-	-	0.3	-	-	-	0.3	-	-	-	-	-	0.3	-	-	-	-	-	-	-
common milkweed ramet	2.7	-	0.3	-	0.3	1.3	0.3	1.0	0.3	2.3	1.7	2.3	0.3	-	1.0	-	0.7	4.7	5.7	2.3	16.0	-	0.3
milkweed strip: common milkweed ramet	-	4.0	-	14.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
swamp milkweed ramet	-	-	0.3	-	-	-	-	-	-	-	0.3	-	-	-	-	-	0.3	-	-	-	-	-	-

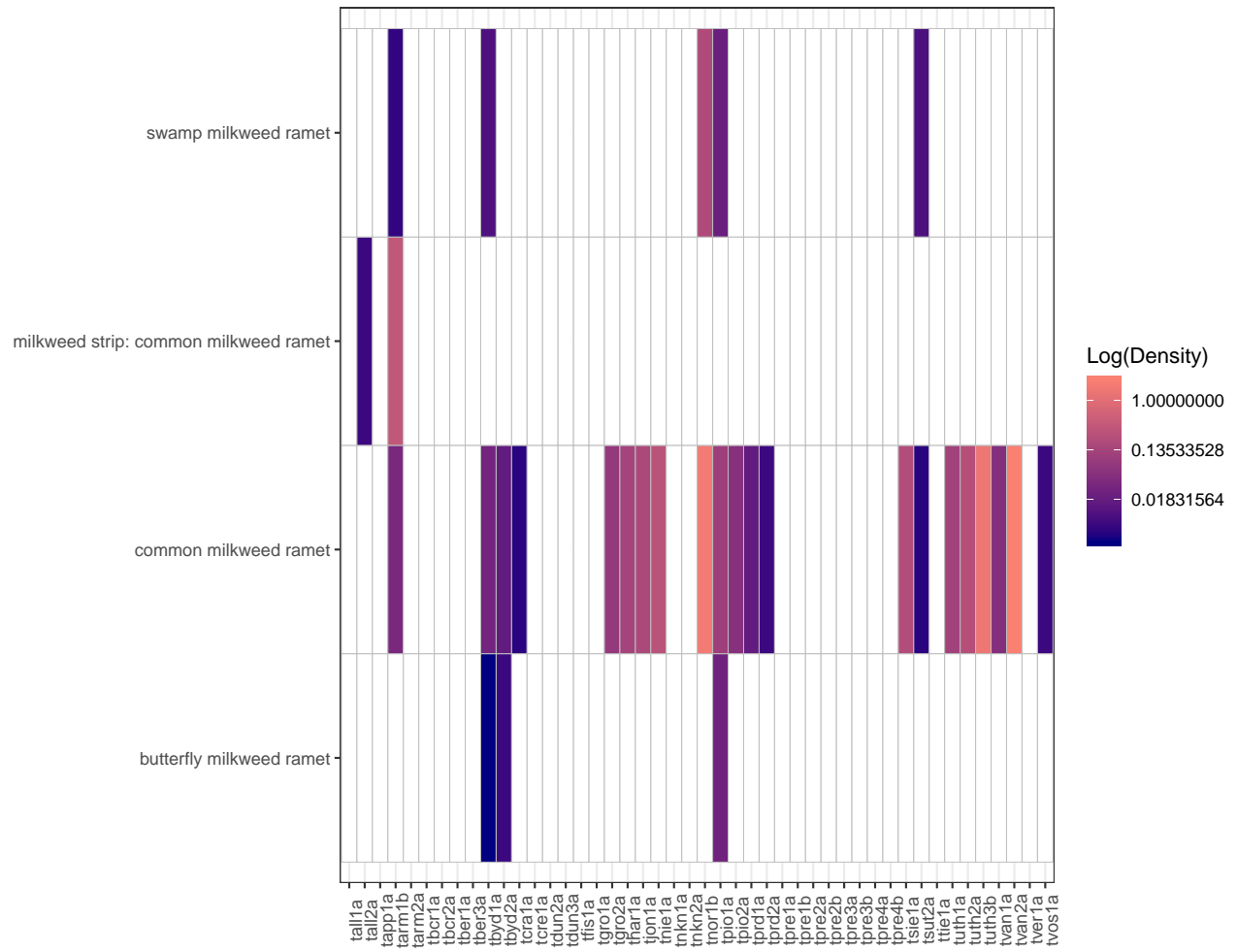


Table 3: 2017 Nectar plant species density: average density (count / m<sup>2</sup>) across all rounds

Nectar Plant Species	tall1a	tall2a	tapp1a	tarm1b	tarm2a	tber1a	tber2a	tber3a	tbyd1a	tbyd2a	terala	terela	tdun2a	tdun3a	tfis1a	tgro1a	tgro2a	tharla	tjon1a	tniela	tnkn1a	tnkn2a
butterfly milkweed ramet	-	-	-	-	-	-	-	-	0.00	0.01	-	-	-	-	-	-	-	-	-	-	-	-
common milkweed ramet	-	-	-	0.03	-	-	-	-	0.03	0.02	0.00	-	-	-	-	-	0.08	0.13	0.17	0.27	-	-
milkweed strip: common milkweed ramet	-	0.01	-	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
swamp milkweed ramet	-	-	-	0.01	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4: 2018 Nectar plant species density: average density (count / m<sup>2</sup>) across all rounds

Nectar Plant Species	tall1a	tall2a	tap1a	tarm1b	tarm2a	tber1a	tber2a	tber3a	tbyd1a	tbyd2a	ter1a	ter2a	tdun2a	tdun3a	tfis1a	tgro1a	tgro2a	thar1a	tjon1a	tniela	tnkn1a	tnkn2a	tnkn3a
butterfly milkweed ramet	-	-	-	-	-	-	-	-	0.00	-	-	-	-	0.00	-	-	-	-	-	-	-	-	-
common milkweed ramet	0.05	-	0.01	-	0.00	0.02	0.01	0.01	0.02	0.02	0.03	0.00	-	0.01	-	0.01	0.08	0.19	0.05	0.32	-	-	0.00
milkweed strip: common milkweed ramet	-	0.08	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
swamp milkweed ramet	-	-	0.01	-	-	-	-	-	-	0.00	-	-	-	-	-	0.01	-	-	-	-	-	-	-

