## ISU Monarch Data Summary for NCIG

Jarad Niemi and Seth Appelgate
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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 100m2) 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	tallla	tall2a	tappla	tarm1b t	arm2	therla.	tbcr2a	tberla t	tber3a	tbvd1a t	tbvd2a	tcrala t	crela t	dun2a td	dun3a tfi	tfisla tere	terola ter	tero2a tha	tharla tio	onla tni	ela	tnknla tnkn2a	n2a tn
bootillamood			4						ı	١١٩	1			1	ı		1		3				ı
butterny milkweed ramet										0.0	0.0						,			,			
common milkweed ramet	1	•	•	2.0	•	,	,	•	•	2.7	1.7	0.3	,	,	,	,	,	4.7	4.0	8.3	13.3	,	,
milkweed strip: common milkweed ramet	٠	0.3	1	20.3	•	1	1	•	1	1	•	1	,	,	,	,	,	,	,		,	,	,
swamp milkweed ramet	٠	•	1	0.3	1	•	1	•	•	1.0	,	,	,	ı	,	,	,	,	,	,	,	,	

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

Nectar Plant Species	tallla	tall2a t	appla	tarm1b	tarm2a	tbcrla t	tbcr2a t	tberla t	tber3a tl	tbydla tl	byd2a te	terala te	crela td	dun2a td	tdun3a tfisla	a tgrola	la tgro2a	a tharla	tjonla	tniela	tnknla	tnkn2a
butterfly milkweed ramet	1	1				0.3		1	1	0.3	1		1	,	0.3					1	1	
common milkweed ramet	2.7	1	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	1	0.3
milkweed strip: common milkweed ramet	1	4.0	1	14.3	•	1	,	1	1	•	1	1	,	,		,			1	1	1	1
swamp milkweed ramet	٠	٠	0.3	1	,	٠	,	•	,	,	0.3		,	,	,	- 0	0.3	,		•		•

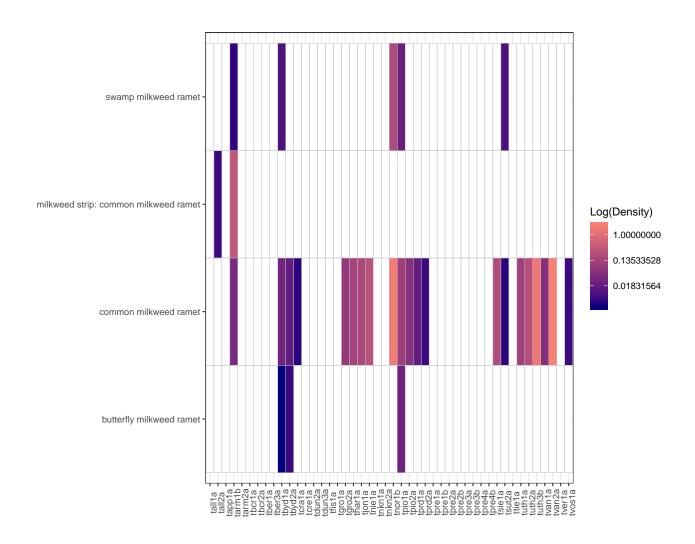


Table 3: 2017 Nectar plant species density: average density (count / m2) across all rounds

Nectar Plant Species	tallla t	tall2a t	tall2a tappla tarm1b	tarm1b ta.	tarm2a t	tbcrla t	ber2a t	berla t	tber3a t	tbydla t	by d2a	terala te	crela td	dun2a to	dun3a tfi	fisla tg	tgrola tg	gro2a tl	harla tj	tjonla tı	tniela tn	nknla tn	tnkn2a tn
butterfly milkweed ramet					,					0.00	0.01					,	,						
common milkweed ramet	,	,	,	0.03	,	,	,	•	•	0.03	0.02	0.00	,	,	,	,	,	80.0	0.13	0.17	0.27	,	
milkweed strip: common milkweed ramet	,	0.01	,	0.34	,	,	,	•	•	,	,	,	,	,	,	,	,	,	,	,	,	,	
swamp milkweed ramet	٠	1	1	0.01		,	,	1	1	0.01	1	1	,	,	,		,		,		,	,	

Table 4: 2018 Nectar plant species density: average density (count / m2) across all rounds

Nectar Plant Species	tallla	tallla tall2a tappla	tappla	. tarm1b tarm2a tbcr1a	tarm2a	therla	tbcr2a 1	tberla t	tber3a	tbydla t	byd2a	tcrala t	tcrela to	dun2a t	dun3a tfi	fisla tg	grola tg	gro2a th	harla tjo	onla tni	iela tnkn	cnla tnk	cn2a tne
butterfly milkweed ramet						0.01				0.00					0.00	,		,					
common milkweed ramet	0.05	•	0.01	•	0.00	0.03	0.01	0.02	0.01	0.02	0.02	0.03	0.00	,	0.01	,	0.01	80.0	0.19	0.05	0.32	,	0.00
milkweed strip: common milkweed ramet	1	0.08	•	0.24	•	•	,	•	•	,	•	,	,	,	,	,	,	,	,	,	,	,	,
swamp milkweed ramet	•	1	0.01	1	1	•	,	1	,	•	0.00	1	,	,	,		0.01	,	,		,	,	,

