

ISU Monarch Data Summary for NCIG

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Table 1 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).

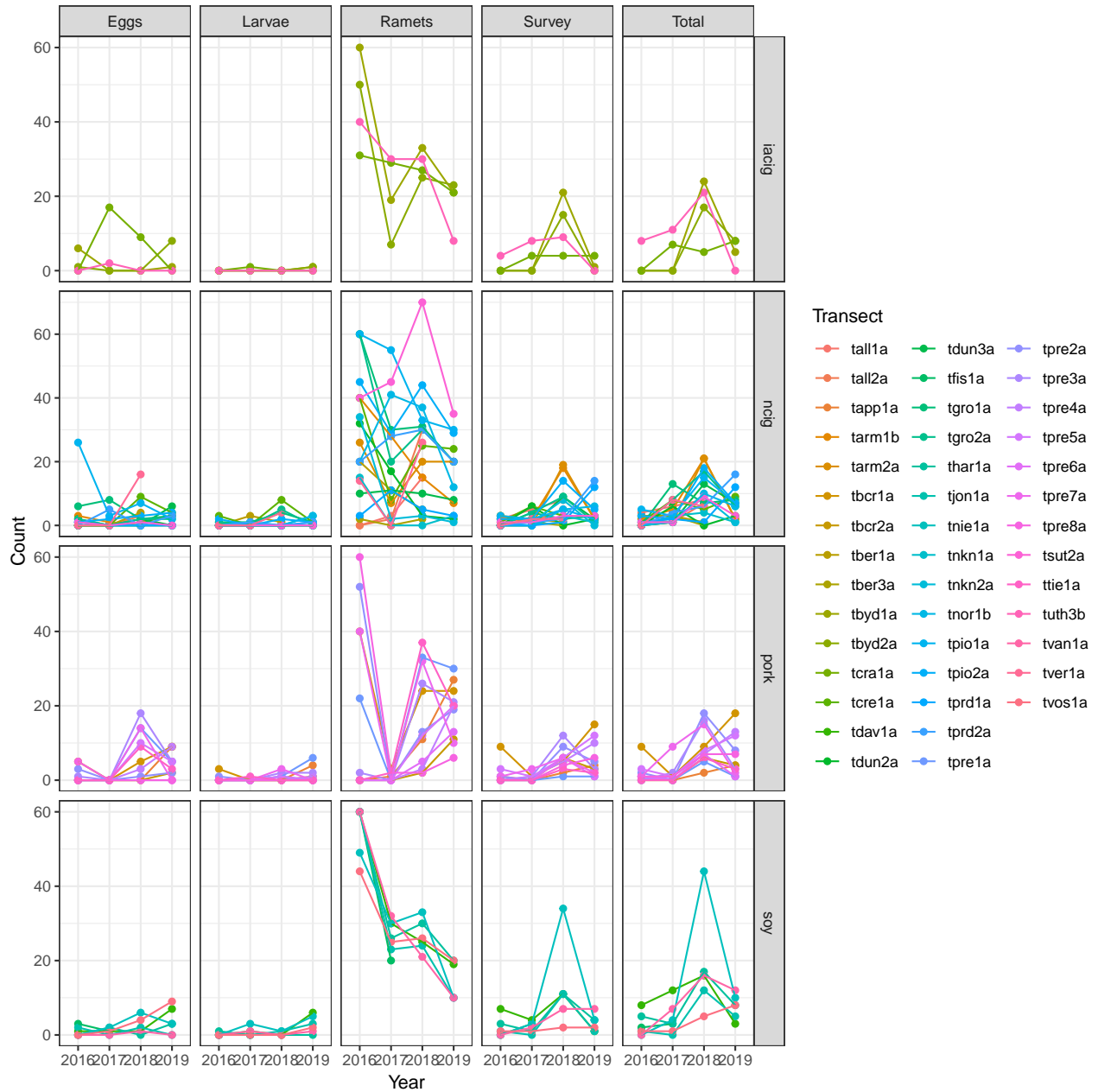


Figure 1: This plots the total number of monarchs sighted anywhere around the site during entire time at site. The colors correspond to the different trassects. Caption 1112

Table 1: Monarch adults (total and during survey), milkweed ramets, monarch eggs on milkweed, and monarch larvae on milkweed. Note ramets, eggs, and larvae were collected differently for 2016. Caption 1111

Year	Monarch																																												
	tall1a	tall2a	tapp1a	tarm1b	tarm2a	tber1a	tber2a	tber1a	tber2a	tbyd1a	tbyd2a	tcr1a	tcr2a	tdum1a	tdum2a	tdum3a	thsla	tgro1a	thar1a	tjon1a	tnkn1a	tnkn2a	tnmr1b	tpio1a	tpio2a	tprd1a	tprd2a	tpre1a	tpre2a	tpre3a	tpre4a	tpre5a	tpre6a	tpre7a	tsut2a	ttiel1a	tutb3b	tvan1a	tvos1a						
2016 Adults, Total	4	2	1	2	0	9	0	3	3	0	0	0	1	8	0	0	2	0	0	5	1	0	0	1	0	5	3	1	0	1	2	0	0	3	1	1	1	1	0	8	0	0	1		
2017 Adults, Total	6	1	0	5	1	1	0	3	3	0	0	7	8	12	6	1	3	13	8	3	0	4	3	1	1	3	2	2	4	0	0	2	1	1	0	9	1	1	0	11	7	8	1		
2018 Adults, Total	8	7	2	21	21	9	6	1	0	24	17	5	5	16	0	13	-	7	17	17	12	44	4	9	10	15	18	1	6	5	18	16	7	8	7	15	7	9	6	21	16	6	5		
2019 Adults, Total	-	-	4	2	2	18	4	-	-	5	8	8	9	3	3	7	-	8	6	8	5	10	1	1	6	7	7	12	16	1	8	3	13	12	1	2	7	3	3	0	12	-	8		
2016 Adults, Survey	2	2	1	2	0	9	0	3	3	0	0	0	1	7	0	0	0	0	0	3	1	0	0	0	0	3	2	0	0	1	0	0	3	0	1	0	1	0	4	0	0	1			
2017 Adults, Survey	5	1	0	2	0	1	0	2	1	0	0	4	6	4	0	6	0	3	4	1	0	3	0	1	0	2	2	0	1	0	0	1	1	1	0	3	0	1	0	8	2	2	1		
2018 Adults, Survey	8	5	2	18	19	5	6	1	0	21	15	4	3	11	0	9	-	2	9	11	11	34	3	8	5	5	14	1	2	1	9	12	5	6	6	6	4	3	3	9	7	2	2		
2019 Adults, Survey	-	-	4	2	2	15	3	-	-	1	0	4	3	1	2	2	-	3	1	4	1	4	1	0	6	2	5	12	14	1	5	3	10	12	1	2	6	3	2	0	7	-	2		
2016 Ramets	0	0	0	40	26	40	0	20	2	60	50	31	40	60	32	10	60	60	60	60	49	15	34	20	60	45	3	20	22	52	2	0	0	0	0	40	60	40	0	40	60	14	44		
2017 Ramets	3	2	1	28	7	3	0	11	0	19	7	29	8	30	17	11	20	30	20	26	23	30	0	2	41	55	29	11	28	0	0	0	0	0	0	0	0	0	2	45	2	30	32	0	25
2018 Ramets	15	30	11	15	20	24	2	5	2	33	25	27	25	25	3	10	-	31	30	30	24	33	0	3	37	33	44	5	30	33	13	26	3	12	5	32	2	70	37	30	21	26	26		
2019 Ramets	-	-	27	7	20	24	11	-	-	21	23	21	24	19	2	8	-	20	20	20	10	10	3	1	12	30	29	3	20	30	19	21	20	20	13	10	6	35	20	8	10	-	20		
2017 Ramets, Butterfly	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2018 Ramets, Butterfly	0	0	0	0	0	3	1	0	0	3	0	7	4	0	0	2	-	0	0	0	0	3	0	0	0	8	10	0	0	0	0	0	0	0	0	0	0	0	0	10	4	0	0	0	
2019 Ramets, Butterfly	-	-	1	0	0	4	0	-	-	1	3	1	4	0	0	2	-	0	0	0	0	0	0	0	0	10	9	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	-	0
2017 Ramets, Common	3	2	1	28	7	2	0	11	0	14	7	29	8	30	16	11	20	30	20	26	23	30	0	2	30	30	27	11	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018 Ramets, Common	15	30	11	15	17	21	1	5	2	30	24	20	21	25	3	8	-	30	30	30	24	30	0	3	30	25	31	5	30	30	11	23	3	9	5	30	2	30	30	21	26	25			
2019 Ramets, Common	-	-	20	7	20	20	11	-	-	20	20	20	20	19	2	6	-	20	20	20	10	10	3	1	10	20	20	3	19	20	19	20	15	13	10	6	12	20	8	10	-	20			
2017 Ramets, Swamp	0	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	12	2	0	1	0	0	0	0	0	0	0	0	0	0	30	0	0	2	0	1
2018 Ramets, Swamp	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	-	1	0	0	0	0	0	0	7	0	3	0	0	3	2	3	0	3	0	2	0	30	3	0	0	0	1		
2019 Ramets, Swamp	-	-	6	0	0	0	0	-	-	0	0	0	0	0	0	0	-	0	0	0	0	0	0	2	0	0	0	0	10	0	1	0	5	0	0	0	20	0	0	0	0	-	0		
2016 Eggs	0	0	0	3	0	5	0	0	0	6	1	0	0	1	2	0	3	6	2	0	2	0	1	1	26	1	1	0	0	3	1	0	0	0	0	0	0	5	1	0	0	0	0	0	
2017 Eggs	0	0	0	1	0	0	0	0	0	0	0	17	0	1	0	0	1	8	0	2	0	2	0	0	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1		
2018 Eggs	1	3	0	0	1	5	0	4	0	0	0	9	9	1	2	0	-	2	2	0	2	6	0	1	7	3	0	0	14	1	18	3	10	0	14	0	1	9	0	1	16	4			
2019 Eggs	-	-	9	0	3	9	2	-	-	1	8	0	4	7	0	6	-	3	2	3	0	3	0	0	2	4	0	3	5	2	5	9	5	0	0	0	0	3	0	0	-	9			
2017 Eggs, Butterfly	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2018 Eggs, Butterfly	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2019 Eggs, Butterfly	-	-	0	0	0	0	0	-	-	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2017 Eggs, Common	0	0	0	1	0	0	0	0	0	0	0	17	0	1	0	0	1	8	0	2	0	2	0	0	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2018 Eggs, Common	1	3	0	0	1	5	0	4	0	0	0	9	9	1	2	0	-	2	2	0	2	6	0	1	7	3	0	0	14	1	18	3	10	0	14	0	1	9	0	1	16	4			
2019 Eggs, Common	-	-	1	0	3	9	2	-	-	1	8	0	4	7	0	6	-	3	2	3	0	3	0	0	2	4	0	3	5	2	5	9	4	0	0	0	0	3	0	0	-	9			
2017 Eggs, Swamp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2018 Eggs, Swamp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2019 Eggs, Swamp	-	-																																											