

ISU Monarch Data Summary for NCIG

Jarad Niemi, Seth Appelgate, and Nehemias Ulloa

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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).

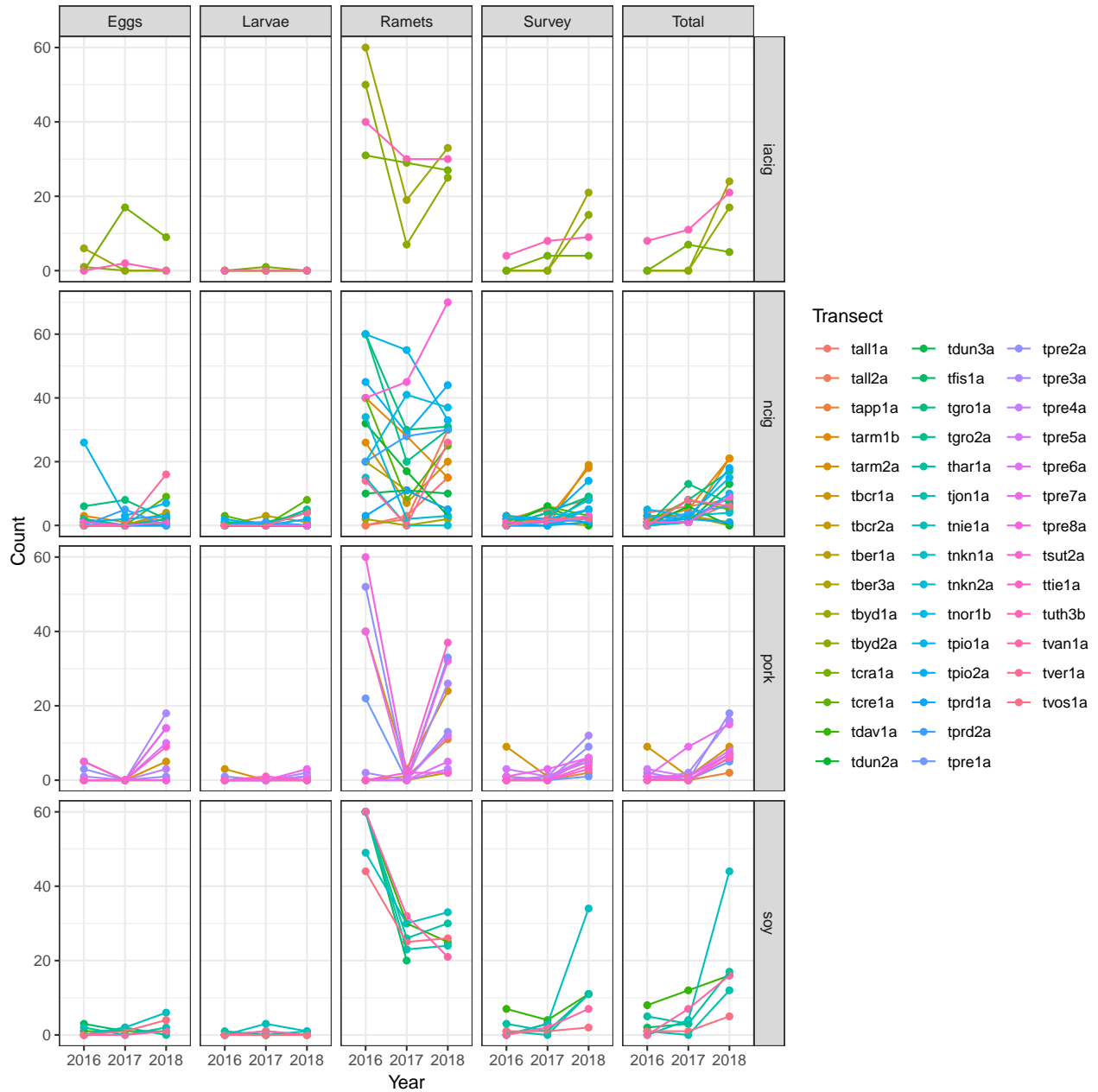


Figure 1: This plots the total number of monarchs sighted anywhere around the site during entire time at site. The colors correspond to the different trassects.

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.

Year	Monarch																																												
	tall1a	tall2a	tapp1a	tarm1b	tarm2a	tber1a	tber2a	tber3a	tbyd1a	tbyd2a	tcer1a	tdav1a	tdun2a	tdun3a	tfls1a	tgro1a	tgro2a	thar1a	tjon1a	tni1a	tnk1a	tnk2a	tnor1b	tpio1a	tpio2a	tpri1a	tpri2a	tpre1a	tpre2a	tpre3a	tpre4a	tpre5a	tpre6a	tpre7a	tpre8a	tsut2a	ttle1a	tuth3b	tvan1a	tver1a	tvos1a				
2016 Adults, Total	4	2	1	2	0	9	0	3	3	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	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			
2016 Adults, Survey	2	2	1	2	0	9	0	3	3	0	0	1	7	0	0	0	0	0	3	1	0	0	0	0	3	2	0	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	3	4	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	4	3	3	9	7	2	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	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	2	45	2	30	32	0	25	
2018 Ramets	15	30	11	15	20	24	2	5	2	33	25	27	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			
2017 Ramets, Butterfly	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	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		
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	8	10	0	0	0	0	0	0	0	0	0	0	0	10	4	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	27	11	27	0	0	0	0	0	0	0	0	0	0	2	15	2	30	30	0	24
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	30	21	26	25		
2017 Ramets, Swamp	0	0	0	0	0	1	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	30	0	0	2	0	1		
2018 Ramets, Swamp	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	-	1	0	0	0	0	0	7	0	3	0	0	3	2	3	0	3	0	2	0	30	3	0	0	0	1			
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	5	1	0	0	0	0	0		
2017 Eggs	0	0	0	1	0	0	0	0	0	0	17	0	1	0	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	9	9	1	2	0	-	2	2	0	2	6	0	0	1	7	3	0	0	14	1	18	3	10	0	14	0	1	9	0	1	16	4			
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		
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	2	0	0	1	
2018 Eggs, Common	1	3	0	0	1	5	0	4	0	0	9	9	1	2	0	-	2	2	0	2	6	0	0	1	3	3	0	0	8	1	13	3	2	0	14	0	1	9	0	1	16	4			
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	1	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	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2016 Larvae	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	1	1	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2017 Larvae	0	0	0	0	0	0	0	3	0	0	0	1	0	1	0	0	0	0	0	0	3	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2018 Larvae	0	0	0	0	0	0	0	1	0	0	0	8	0	0	0	-	4	5	0	1	1	0	0	0	0	2	0	0	1	1	2	0	1	0	3	0	0	0	0	0	0	0	4	0	
2017 Larvae, 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	0	
2018 Larvae, 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	
2017 Larvae, Common	0	0	0	0	0	0	0	3	0	0	0	1	0	1	0	0	0	1	0	0	0	3	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
2018 Larvae, Common	0	0	0	0	0	0	0	1	0	0	0	8	0	0	0	-	4	5	0	1	1	0	0	0	0	2	0	0	1	1	2	0	1	0	3	0	0	0	0	0	0	0	4	0	0
2017 Larvae, 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	0	
2018 Larvae, 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	