

# 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).

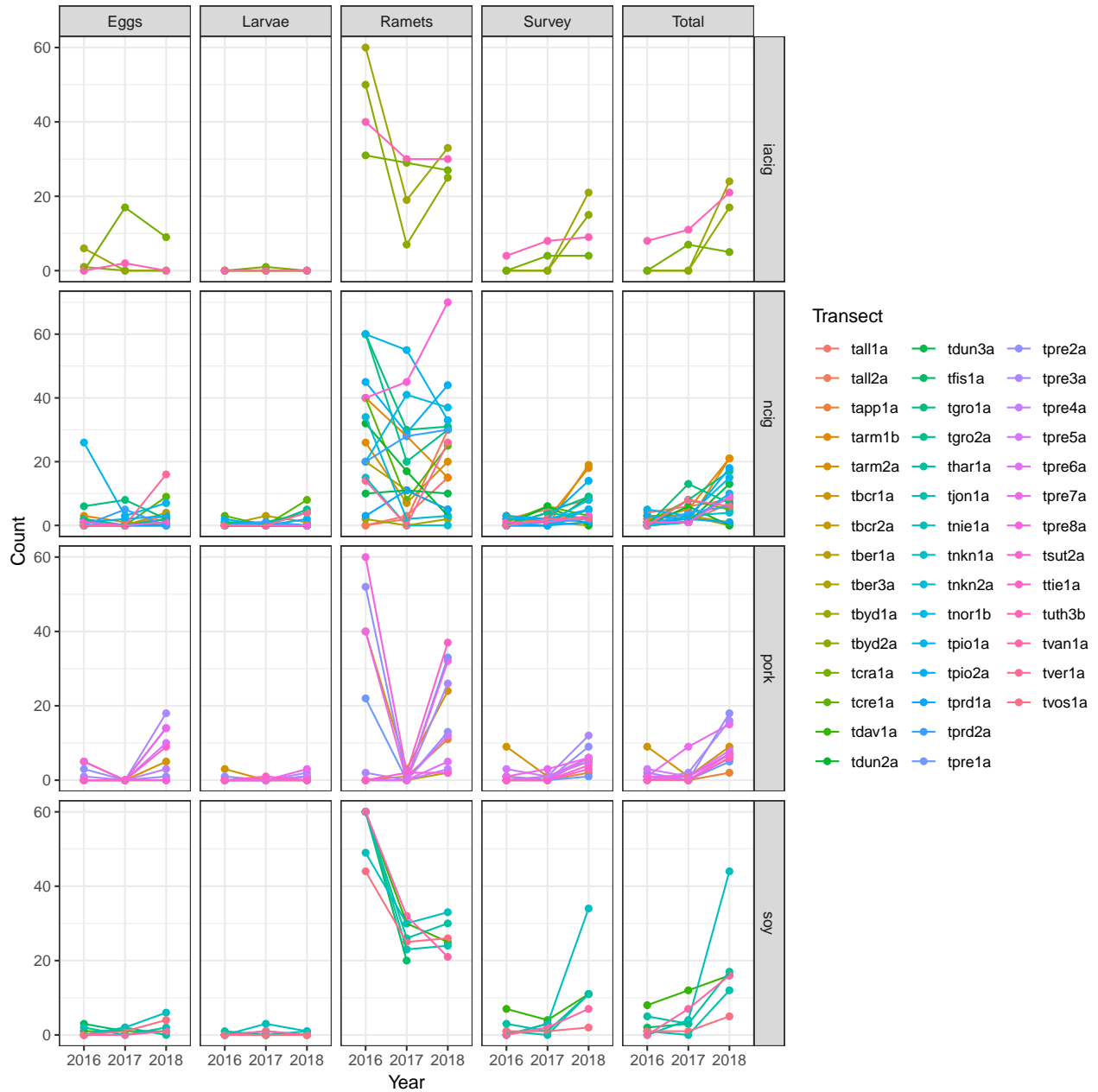


Figure 1: This plots the total number of monarchs sighted anywhere around the site during entire time at site. The colors correspond to the different trassects.

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	tappl1a	tarm1b	tarm2a	tber1a	tber2a	tber3a	tbyd1a	tbyd2a	tcr1a	tcr2a	tdav1a	tdun2a	tdun3a	tfsl1a	tgrola	tgro2a	th
2016	Total	4	2	1	2	0	9	0	3	3	0	0	7	8	8	6	0	2	0	0
2017	Total	6	1	0	5	1	1	0	3	3	0	0	5	8	12	6	1	3	13	8
2018	Total	8	7	2	21	21	9	6	1	0	24	17	5	5	16	0	13	-	7	17
2016	Survey	2	2	1	2	0	9	0	3	3	0	0	0	1	7	0	0	0	0	0
2017	Survey	5	1	0	2	0	1	0	2	1	0	0	4	6	4	6	0	3	4	4
2018	Survey	8	5	2	18	19	5	6	1	0	21	15	4	3	11	0	9	-	2	9
2016	Ramets	0	0	0	40	26	40	0	20	2	60	50	31	40	60	32	10	60	60	60
2017	Ramets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	Ramets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
2016	Butterfly Ramets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Butterfly Ramets	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
2018	Butterfly Ramets	0	0	0	0	0	3	1	0	0	3	0	7	4	0	0	2	-	0	0
2016	Common Ramets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Common Ramets	3	2	1	28	7	2	0	11	0	14	7	29	8	30	16	11	20	30	20
2018	Common Ramets	15	30	11	15	17	21	1	5	2	30	24	20	21	25	3	8	-	30	30
2016	Swamp Ramets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Swamp Ramets	0	0	0	0	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0
2018	Swamp Ramets	0	0	0	0	3	0	0	0	0	6	1	0	0	1	2	0	3	6	2
2016	Eggs	0	0	0	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0
2016	Butterfly Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Butterfly Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	Butterfly Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
2016	Common Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Common Eggs	0	0	0	1	0	0	0	0	0	0	0	17	0	1	0	0	1	8	0
2018	Common Eggs	1	3	0	0	1	5	0	4	0	0	0	9	9	1	2	0	-	2	2
2016	Swamp Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Swamp Eggs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	Swamp Eggs	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	0	3	0	0	0	0	1	1
2017	Larvae	0	0	0	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	0	0	0	0	0	0	0	0	-	0	0	0
2016	Butterfly Larvae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Butterfly Larvae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	Butterfly Larvae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
2016	Common Larvae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Common Larvae	0	0	0	0	0	0	0	3	0	0	0	1	0	1	0	0	0	1	0
2018	Common Larvae	0	0	0	0	0	0	0	1	0	0	0	0	8	0	0	-	4	5	5
2016	Swamp Larvae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	Swamp Larvae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	Swamp Larvae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0