

**Table 5: Macrolepidoptera Species of Annual Migrants Recorded from Different Survey Methods in Suburban Appleton from 2016-2020**

		Cumulative % At Bait		Cumulative % At Lights		Percent of Species By Year					Total Species at MV by Year					Total Species at Bait by Year					Cumulative Total Species							
						2016 % At Bait	2017 % At Bait	2018 % At Bait	2019 % At Bait	2020 % At Bait	2016 MV/Trap	2017 MV/Trap	2018 MV/Trap	2019 MV/Trap	2020 MV/Trap	2016 Bait	2017 Bait	2018 Bait	2019 Bait	2020 Bait	MV/Total	UV/Total	Bait Total	Scale Excretion		2017 Malaise		Nectaring
		% Species		Percent of Species By Year		Total Species at MV by Year					Total Species at Bait by Year					Cumulative Total Species												
		96% 100%		78% 85% 89% 89% 85%		24	25	26	26	24	21	23	24	24	23	26	26	25	12	13	9							
<b>Macrolepidoptera Species</b>		<b>% Individuals</b>		<b>Percent of Individuals By Year</b>					<b>Total Individuals By Year</b>					<b>Total Individuals By Year</b>					<b>Cumulative Total Individuals</b>									
8689	<i>Zale lunata</i>	98%	1%	96%	97%	99%	97%	99%		1	1	2	1		26	38	181	129	72	5	2	492	1					
10663	<i>Agrotis ipsilon</i>	89%	11%	81%	89%	87%	91%	88%		103	490	510	879	220	822	7093	4511	13492	2019	2202	1185	27964	42	22	2			
9578	<i>Hyppa xylinoides</i>	86%	14%	42%	64%	89%	91%	58%		16	28	61	17	5	16	59	728	222	7	127	40	1036		3				
10915	<i>Peridroma saucia</i>	85%	14%	75%	85%	81%	89%	91%		76	286	702	531	47	318	2262	3573	5644	539	1642	434	12352	32	7	1			
10438	<i>Pseudaletia unipuncta</i>	84%	16%	81%	84%	83%	87%	87%		176	778	4414	686	697	1108	6366	23002	6266	5736	6751	1282	42526	78	58	1			
10223	<i>Discestra trifolii</i> complex sp. 1	81%	19%	39%	40%	85%	91%	33%		17	3	32	2		16	2	316	59	1	54	39	395						
9669	<i>Spodoptera ornithogalli</i>	78%	22%	77%	79%	76%	80%	86%		35	73	191	38	10	173	623	1560	277	134	347	455	2770	1					
10299	<i>Lacanobia subjuncta</i>	73%	27%	0%	9%	78%	76%	14%		2	10	49	51	19		1	220	172	3	131	17	397	1					
8465	<i>Hypena scabra</i>	69%	31%	60%	57%	77%	69%	71%		92	62	82	239	103	189	132	552	876	444	578	410	2194	3	1	1			
11068	<i>Helicoverpa zea</i>	67%	33%	0%	79%	67%	66%	44%		30	54	42	67	24		323	146	206	29	217	123	704						
9666	<i>Spodoptera frugiperda</i>	64%	36%	45%	62%	69%	76%	77%		210	515	226	31	27	211	1142	986	188	124	1009	501	2656						
9696	<i>Condica vecors</i>	54%	46%	67%	60%	43%	50%	100%				7	1		2	3	6	1	2	8	4	14						
7132	<i>Pleuroprucha insulsaria</i>	50%	50%	35%	60%	53%	61%	18%		29	17	132	59	53	16	70	203	140	17	290	149	446	1					
6982	<i>Prochoerodes lineola</i> species 1	48%	51%	80%	29%	85%	68%	31%		2	37	4	4	5	8	28	33	15	5	52	44	90						
7474	<i>Eupithecia miserulata</i>	39%	61%	37%	23%	58%	55%	31%		19	100	38	77	40	18	60	80	136	24	274	223	318		4				
10397	<i>Lacinipolia renigera</i>	38%	61%	22%	17%	57%	53%	17%		365	1260	628	1124	503	138	287	973	1499	109	3880	897	3010	15	15	2			
7416	<i>Orthonama centrostrigaria</i>	34%	65%	45%	16%	68%	39%	50%		26	65	15	77	20	29	19	48	72	38	203	197	209		2				
9720	<i>Ogdoconta cinereola</i>	31%	69%	11%	0%	60%	0%	0%		21	3	13	10	5	3		26			52	13	29						
8908	<i>Autographa precationis</i>	30%	67%	9%	41%	38%	37%	11%		120	104	109	101	91	13	102	84	76	14	525	120	289	1	15	8			
8404	<i>Rivula propinqualis</i>	29%	71%	0%	24%	78%	41%	7%		8	24	2	17	10		8	7	13	1	61	10	29						
9053	<i>Pseudostrotia cameola</i>	28%	72%	18%	11%	38%	39%	9%		322	183	356	427	323	84	25	243	299	35	1611	191	694	2	1				
7414	<i>Orthonama obstipata</i>	20%	80%	15%	10%	47%	27%	5%		330	408	125	841	240	62	56	116	360	16	1944	525	614	1	3				
8924	<i>Anagrapha falcifera</i>	11%	88%	4%	20%	14%	5%	12%		41	48	42	37	12	2	16	12	3	2	180	94	35		1	2			
9688	<i>Galgula partita</i>	7%	93%	9%	9%	5%	10%	5%		384	396	1036	351	315	40	46	53	44	16	2482	324	200		2				
7146	<i>Haematopis grataria</i>	0.5%	99.5%	0%	0%	0%	2%	0%		30	25	121	42	62				2		280	143	2						
8267	<i>Cisseps fulvicollis</i>	0%	100%	0%	0%	0%	0%	0%		9	10	3	5	5						32	4							
<b>Percent of Annual Migrants Found at Bait or Lights</b>																												
Any Individuals		96%	100%	78%	85%	89%	89%	85%																				
50% or More of Individuals Recorded		48%	52%	30%	41%	67%	63%	33%																				
70% or More of Individuals Recorded		30%	70%	30%	26%	37%	33%	30%																				
100% of Individuals Recorded		0%	0%	0%	0%	0%	0%	4%																				