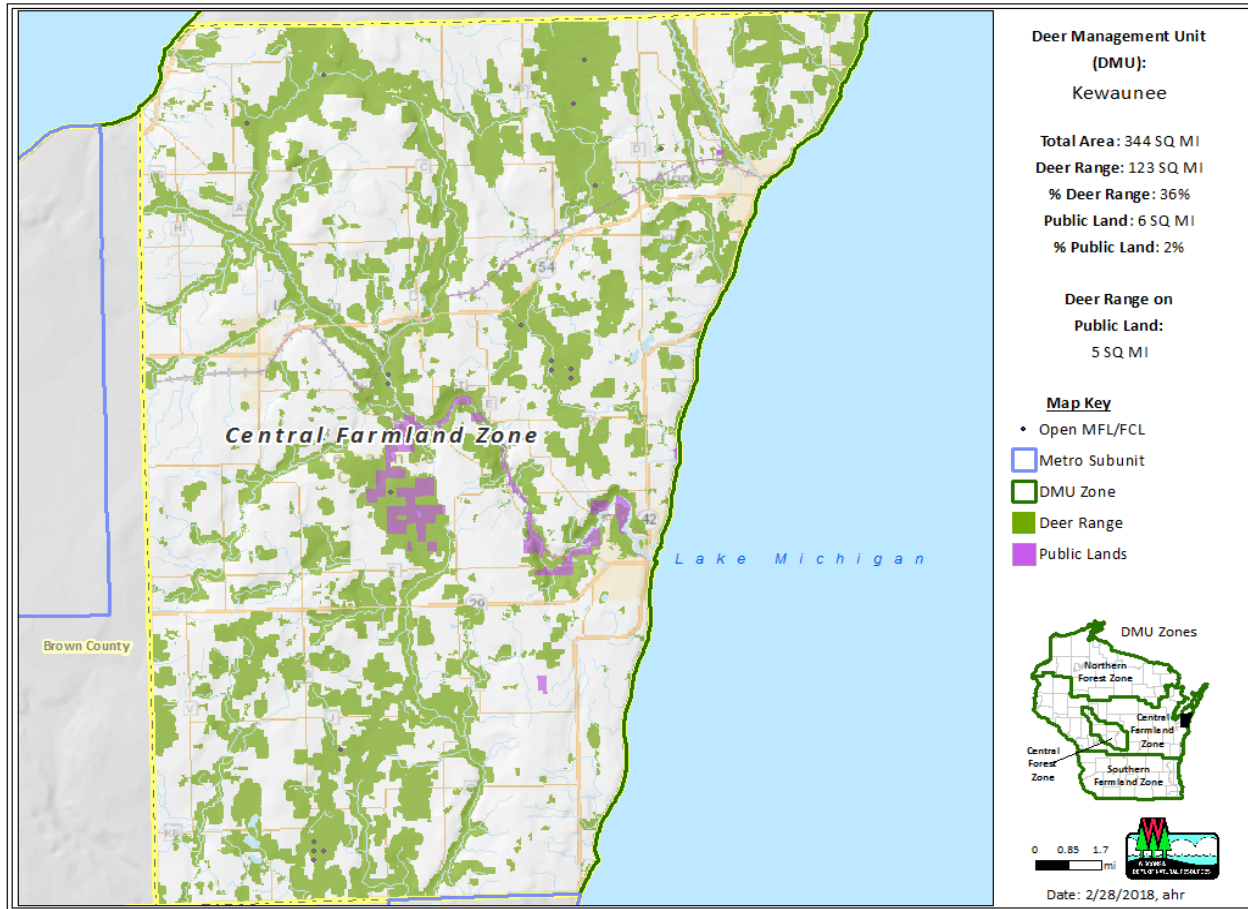


Kewaunee County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Kewaunee County Deer Management Unit is located in the Central Farmland Zone. 35 percent of the unit is considered suitable winter deer range. However deer occupy a larger portion of the landscape during the summer and fall in scattered woodlots and wetlands. The mix of forest and ag land provides optimal deer habitat and deer populations can grow quickly. Winter browse has been impacted by years high deer density and winter impacts can occur if agricultural food is not available. Lake Michigan influences temperatures, keeping most winters milder than farther inland, but also delays spring green up a bit. Public hunting opportunities are concentrated in the eastcentral portion of the unit in the state-owned Besadny Fish and Wildlife Area. In this county it is important to achieve an adequate antlerless harvest to avoid excessive browse and agricultural damage. The current deer herd management objective is to maintain the population, which requires an antlerless harvest at almost 2:1 compared to bucks. This has been supported by multiple farmland antlerless tags issued with each license. However, the herd is near record high numbers, so increasing the antlerless harvest is still called for to move the population to a more sustainable level.

Deer Management Unit Harvest History

Fawn to doe ratios collected in late summer give information on fawn recruitment and survival and are used as an input into the formula for annual deer herd abundance estimation. Fawn to doe ratios were summarized using groups of county deer management units. County deer management units were grouped based on location, habitat characteristics, and deer demography.

Central Farmland Management Zone

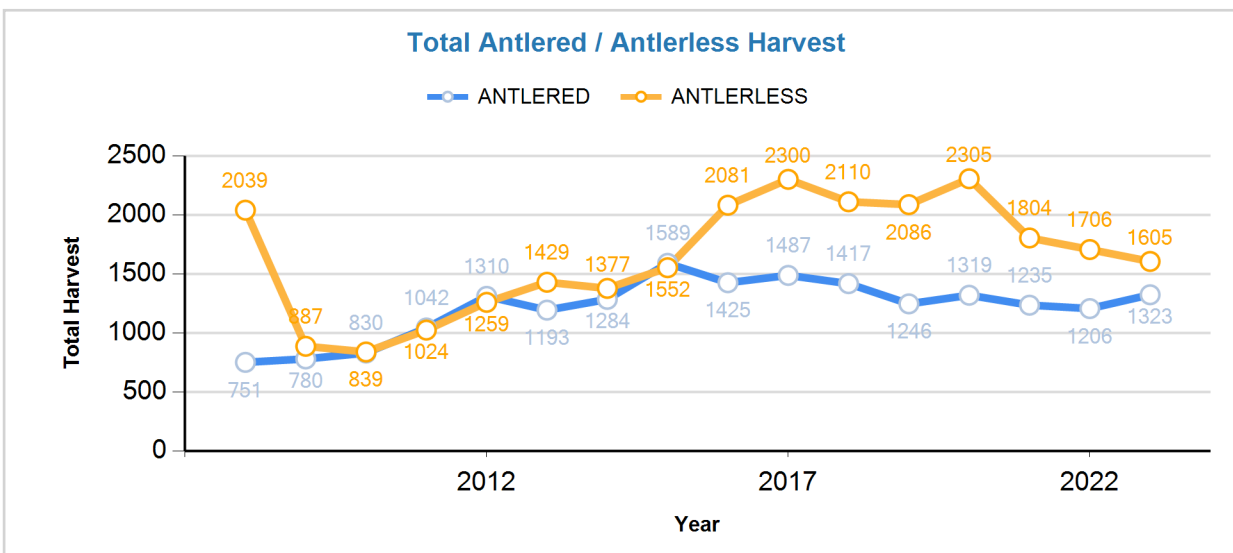
Total Area of Unit (Sq. Miles): 344.10

Deer Range of Unit (Sq. Miles): 123.10

Total Harvest for Kewaunee County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1284	1589	1425	1487	1417	1246	1319	1235	1206	1323
Antlerless	1396	1552	2081	2300	2110	2086	2305	1804	1706	1605
Total	2680	3141	3506	3787	3527	3332	3624	3039	2912	2928
Gun										
Antlered	931	1042	957	1036	1033	767	811	775	812	882
Antlerless	1160	1227	1550	1807	1689	1568	1750	1402	1335	1257
Total	2091	2269	2507	2843	2722	2335	2561	2177	2147	2139
Bow										
Antlered	226	299	225	201	143	191	177	166	134	141
Antlerless	154	181	237	218	183	211	227	118	119	120
Total	380	480	462	419	326	402	404	284	253	261
Crossbow										
Antlered	127	248	243	250	241	288	331	294	260	300
Antlerless	82	144	294	275	238	307	328	284	252	228
Total	209	392	537	525	479	595	659	578	512	528
Tribal*										
Antlered	0	0	0	0	0	0	0	0	0	0
Antlerless	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Youth Antlerless*										
Antlerless	0	0	98	99	98	82	98	59	83	87

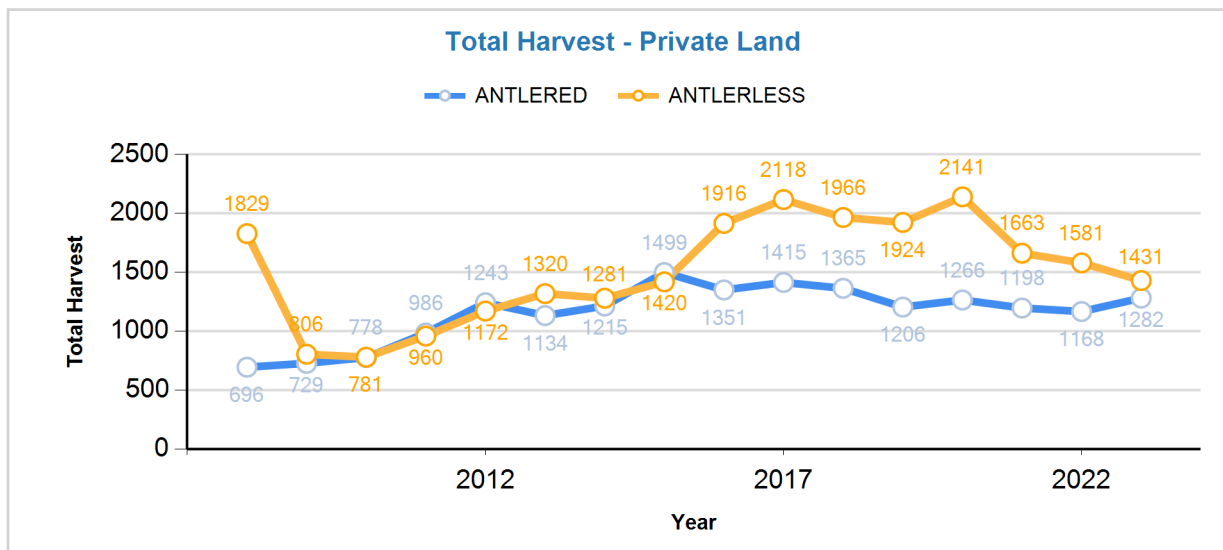
* Tribal and Youth Antlerless data are included in above totals where they apply



Total Harvest for Kewaunee County - Central Farmland Management Zone - Private Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1215	1499	1351	1415	1365	1206	1266	1198	1168	1282
Antlerless	1300	1420	1916	2118	1966	1924	2141	1663	1581	1431
Total	2515	2919	3267	3533	3331	3130	3407	2861	2749	2713
Gun										
Antlered	886	980	914	992	1001	747	781	757	790	861
Antlerless	1088	1131	1441	1679	1578	1474	1659	1313	1250	1121
Total	1974	2111	2355	2671	2579	2221	2440	2070	2040	1982
Bow										
Antlered	210	280	207	186	133	178	160	156	126	136
Antlerless	142	162	212	190	168	182	190	97	105	99
Total	352	442	419	376	301	360	350	253	231	235
Crossbow										
Antlered	119	239	230	237	231	281	325	285	252	285
Antlerless	70	127	263	249	220	268	292	253	226	211
Total	189	366	493	486	451	549	617	538	478	496
Tribal*										
Antlered	0	0	0	0	0	0	0	0	0	0
Antlerless	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Youth Antlerless*										
Antlerless	0	0	86	98	95	81	97	58	81	86

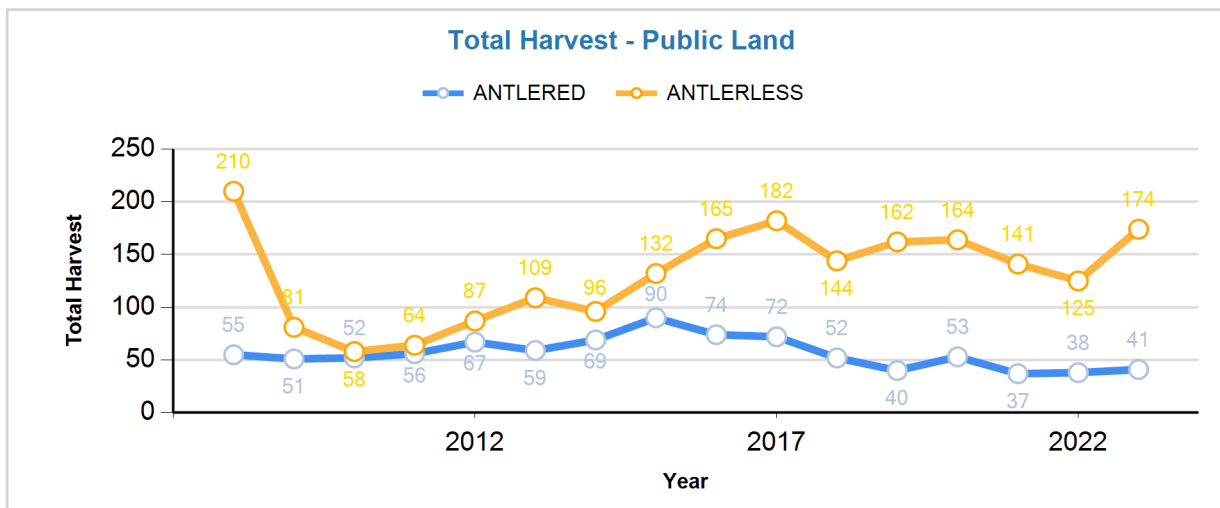
* Tribal and Youth Antlerless data are included in above totals where they apply



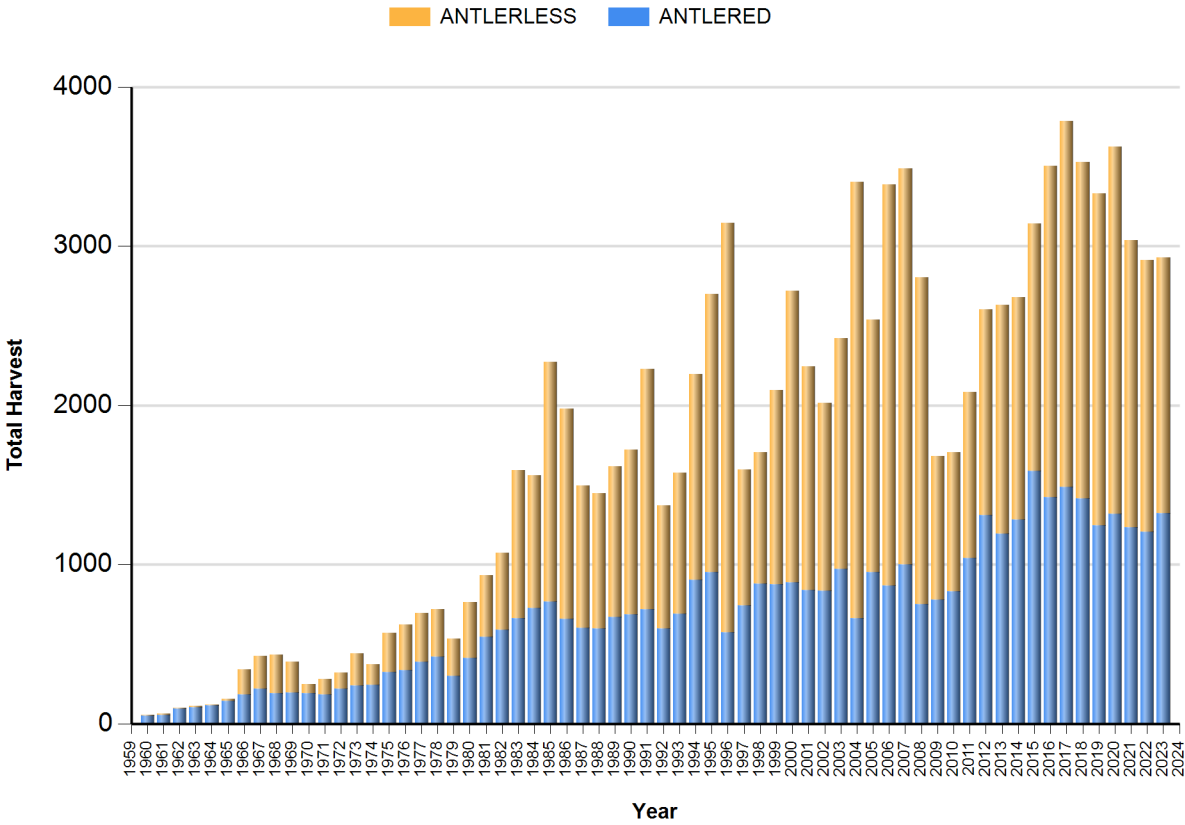
Total Harvest for Kewaunee County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	69	90	74	72	52	40	53	37	38	41
Antlerless	96	132	165	182	144	162	164	141	125	174
Total	165	222	239	254	196	202	217	178	163	215
Gun										
Antlered	45	62	43	44	32	20	30	18	22	21
Antlerless	72	96	109	128	111	94	91	89	85	136
Total	117	158	152	172	143	114	121	107	107	157
Bow										
Antlered	16	19	18	15	10	13	17	10	8	5
Antlerless	12	19	25	28	15	29	37	21	14	21
Total	28	38	43	43	25	42	54	31	22	26
Crossbow										
Antlered	8	9	13	13	10	7	6	9	8	15
Antlerless	12	17	31	26	18	39	36	31	26	17
Total	20	26	44	39	28	46	42	40	34	32
Tribal*										
Antlered	0	0	0	0	0	0	0	0	0	0
Antlerless	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Youth Antlerless*										
Antlerless	0	0	12	1	3	1	1	1	2	1

* Tribal and Youth Antlerless data are included in above totals where they apply



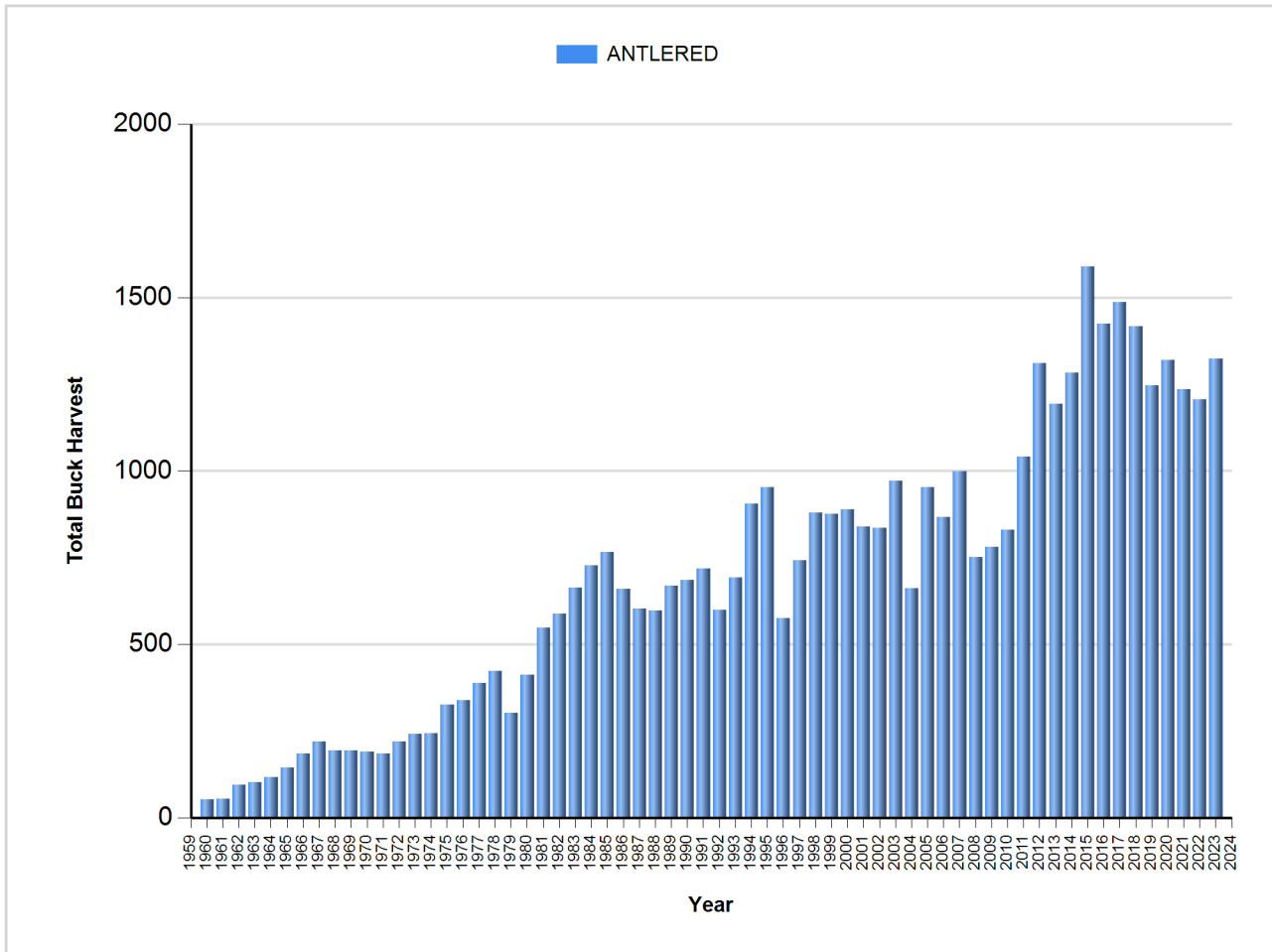
Total Deer Harvest 1960 - Present



Total Buck Harvest 1960 - Present

Historic High: 2015 - 1,589

Historic Low: 1960 - 52

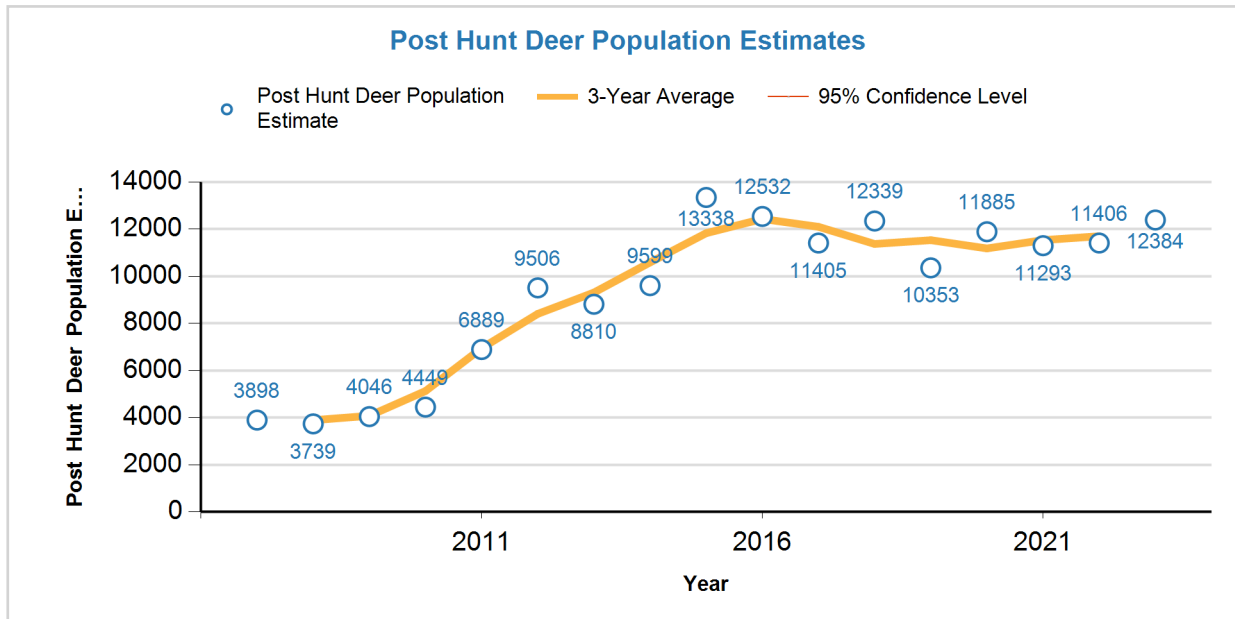


Antlerless Tag Issuance & Success for Kewaunee County - Central Farmland

Year	2020	2021	2022	2023
Farmland - Public				
Issued	4,367	4,024	2,953	2,860
Killed	156	137	117	106
Success Rate (%)	3.6	3.4	4.0	3.7
Farmland - Private				
Issued	27,021	25,624	18,941	18,668
Killed	1,962	1,530	1,429	1,309
Success Rate (%)	7.3	6.0	7.5	7.0
Farmland - Total				
Issued	31,388	29,648	21,894	21,528
Killed	2,118	1,667	1,546	1,415
Success Rate (%)	6.7	5.6	7.1	6.6
Bonus- Public				
Available	300	300	300	300
Issued	125	93	102	113
Killed	5	2	5	12
Success Rate (%)	4.0	2.2	4.9	10.6
Bonus- Private				
Available	1,100	1,100	1,100	1,100
Issued	220	217	246	252
Killed	27	21	22	32
Success Rate (%)	12.3	9.7	8.9	12.7
Bonus- Total				
Available	1,400	1,400	1,400	1,400
Issued	345	310	348	365
Killed	32	23	27	44
Success Rate (%)	9.3	7.4	7.8	12.1

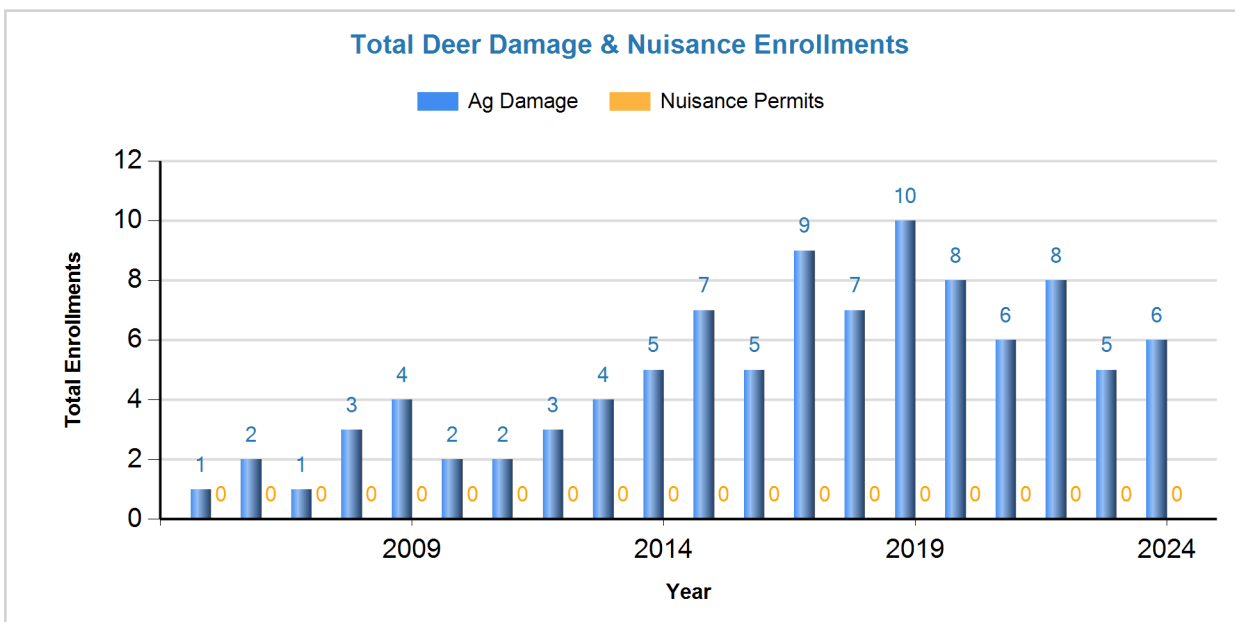
Herd Abundance

Deer herd abundance is estimated annually with hunter-collected data and a mathematical model to get post hunt deer population estimates.

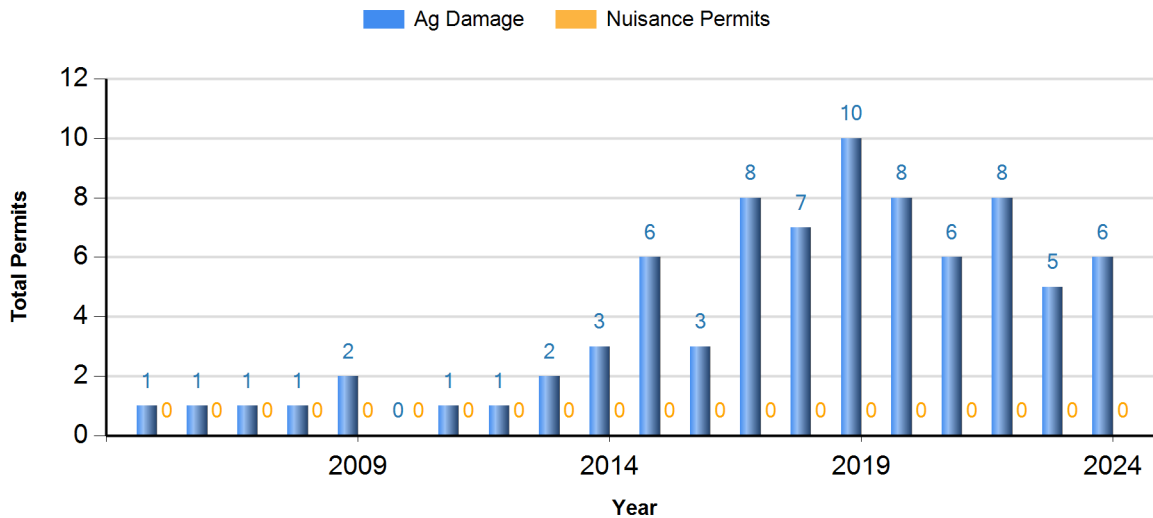


Deer Impacts – Agriculture & Nuisance Impacts

View trends in county and statewide enrollment, shooting permit, Ag Damage, and Nuisance harvest numbers over the years.



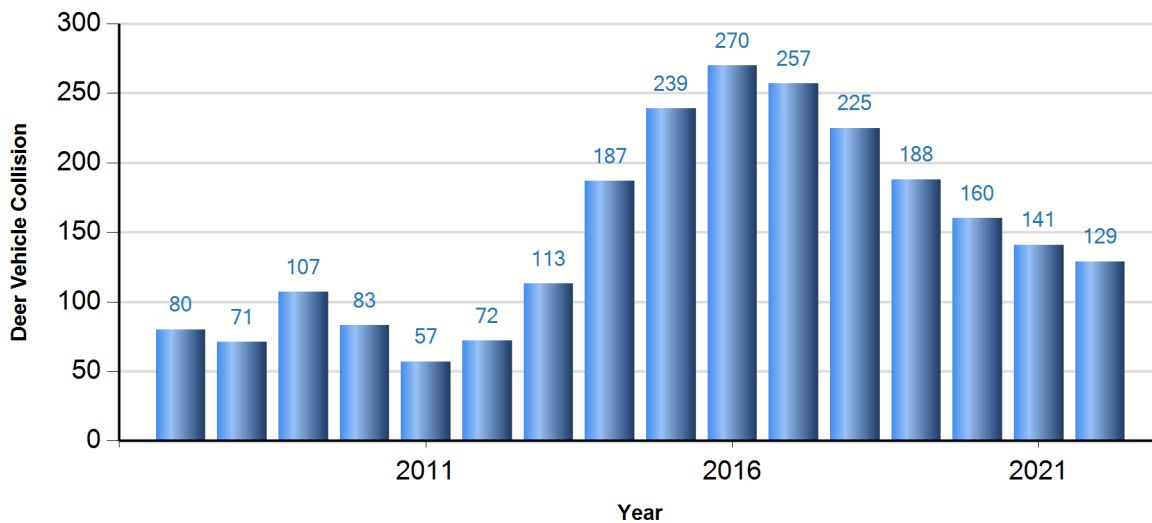
Total Deer Damage & Nuisance Shooting Permits Issued



Deer Impacts - Deer Vehicle Collision

Deer-vehicle collisions (DVCs) are one of the most visible negative impacts that deer populations have on society. As managing deer involves balancing the positive benefits of deer with their negative impacts, it makes sense to consider DVCs when making deer management decisions.

Deer Vehicle Collisions



Hunter Dynamics - Hunter Field Observations

This metric provides voluntary hunter observation data that is collected either during the process of registering a deer, or from submitted field observations through an on-line reporting form.

Deer Seen Per Hunted Hour

