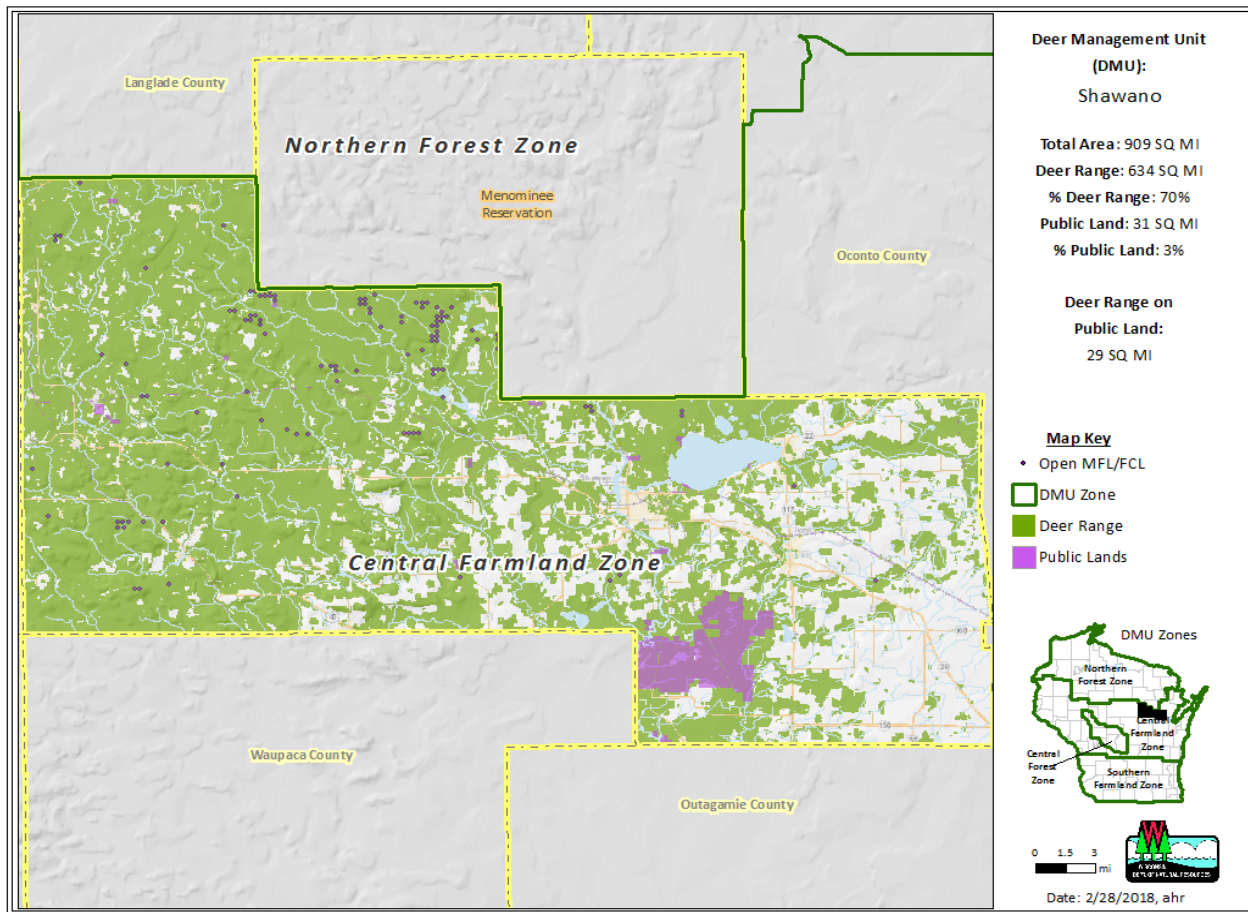


Shawano County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Shawano County Deer Management Unit is located in the Central Farmland Zone. Approximately 63 percent of the unit is considered suitable deer range. There is a transition between the northern forest and southern agricultural landscape. Habitat varies greatly across the unit with large river systems of the Red, Pensaukee, Shioc, Embarrass and Wolf Rivers serving as travel corridors for wildlife. The majority of the unit is in private landownership, but Navarino Wildlife Area provides considerable acreage for public land hunting (14,000+ acres). Scattered Fishery Areas, State Wildlife Habitat Areas and State Natural Areas add another 1,000+ acres of state-owned public hunting land. There are also lands enrolled in the Managed Forest Law program that are open to public hunting as well as county-owned lands. Available habitat includes large blocks of northern hardwood forest interspersed with cedar swamps and agricultural fields, bottomland hardwoods along the rivers, upland mixed forests of aspen, oak and pine and isolated woodlots in the eastern portion. There are many areas where it is difficult to regenerate trees after harvest or planting due to browsing by deer. Deer exclosures are necessary to protect and regenerate tree species valuable to wildlife, such as oak and aspen. Deer-vehicle collisions are common considering the high number of main highways, especially Highway 29 which bisects the unit, and Hwy 47 and Hwy 22. Winters are mild to moderate and can reduce susceptible segments of the population, mainly fawns and bucks having less fat reserves. Stockbridge-Munsee, Menominee and Ho-Chunk Tribes own land in the unit. Deer are very abundant and the herd is steadily increasing with the lower antlerless harvest over the past 10 years. The current herd management objective is to stabilize this growing population, with antlerless tags being available to increase the antlerless harvest.

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

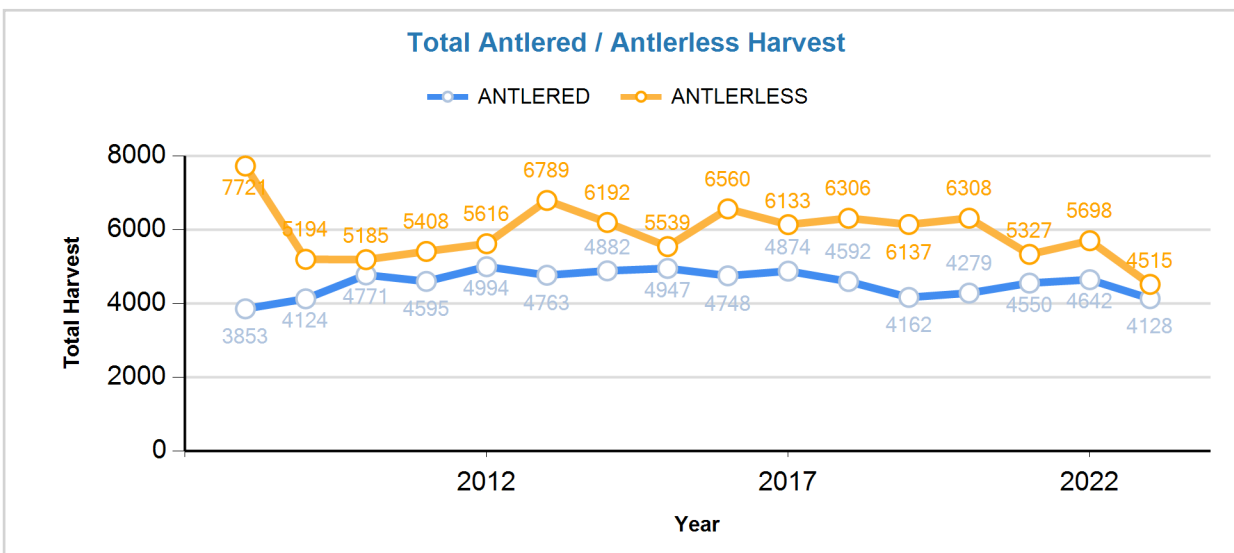
Total Area of Unit (Sq. Miles): 908.80

Deer Range of Unit (Sq. Miles): 633.60

Total Harvest for Shawano County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	4882	4947	4748	4874	4592	4162	4279	4550	4642	4128
Antlerless	6346	5539	6560	6133	6306	6137	6308	5327	5698	4515
Total	11228	10486	11308	11007	10898	10299	10587	9877	10340	8643
Gun										
Antlered	3388	3269	3095	3348	3262	2534	2550	2703	3083	2703
Antlerless	4934	4218	4802	4507	4743	4304	4438	3844	4239	3451
Total	8322	7487	7897	7855	8005	6838	6988	6547	7322	6154
Bow										
Antlered	978	1006	899	734	578	671	715	681	570	525
Antlerless	944	809	975	782	688	791	805	603	547	415
Total	1922	1815	1874	1516	1266	1462	1520	1284	1117	940
Crossbow										
Antlered	516	672	754	792	752	957	1014	1166	989	900
Antlerless	468	512	783	844	875	1042	1065	880	912	649
Total	984	1184	1537	1636	1627	1999	2079	2046	1901	1549
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	241	310	277	213	244	198	186	216

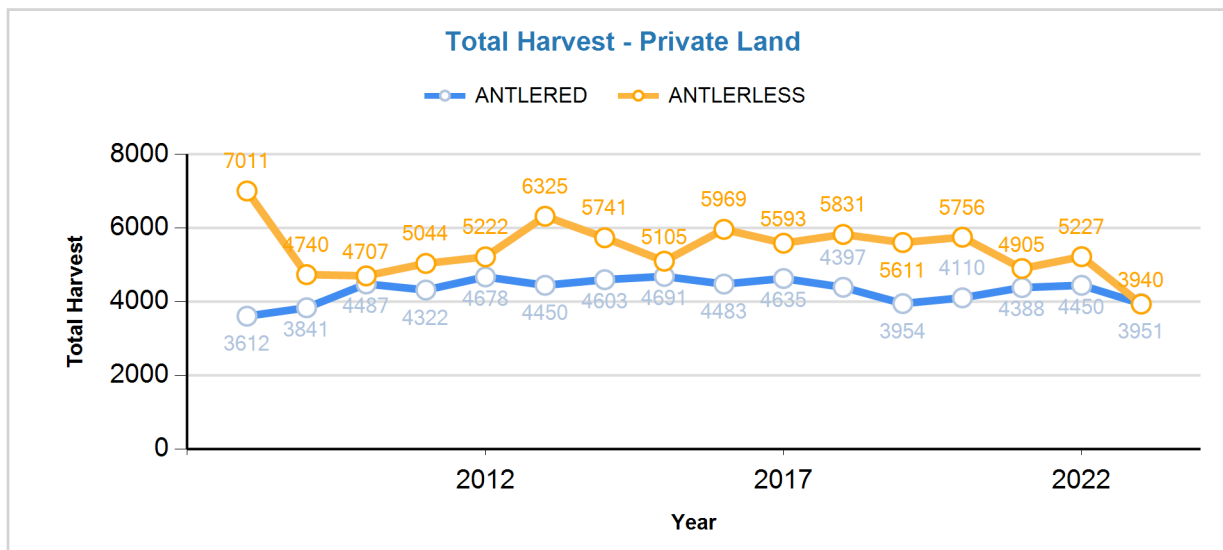
* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	4603	4691	4483	4635	4397	3954	4110	4388	4450	3951
Antlerless	5879	5105	5969	5593	5831	5611	5756	4905	5227	3940
Total	10482	9796	10452	10228	10228	9565	9866	9293	9677	7891
Gun										
Antlered	3219	3122	2942	3206	3146	2439	2466	2630	2968	2600
Antlerless	4604	3919	4422	4160	4422	3988	4091	3585	3908	2971
Total	7823	7041	7364	7366	7568	6427	6557	6215	6876	5571
Bow										
Antlered	890	938	828	682	540	621	665	633	531	490
Antlerless	848	720	862	694	615	708	716	536	493	376
Total	1738	1658	1690	1376	1155	1329	1381	1169	1024	866
Crossbow										
Antlered	494	631	713	747	711	894	979	1125	951	861
Antlerless	427	466	685	739	794	915	949	784	826	593
Total	921	1097	1398	1486	1505	1809	1928	1909	1777	1454
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	226	293	267	205	232	191	175	200

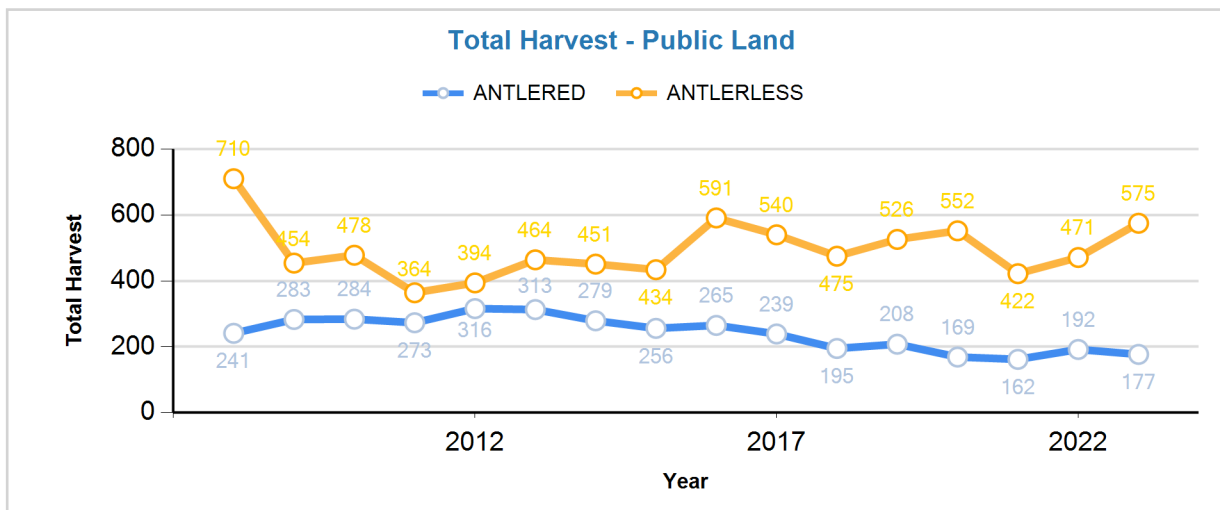
* Tribal and Youth Antlerless data are included in above totals where they apply

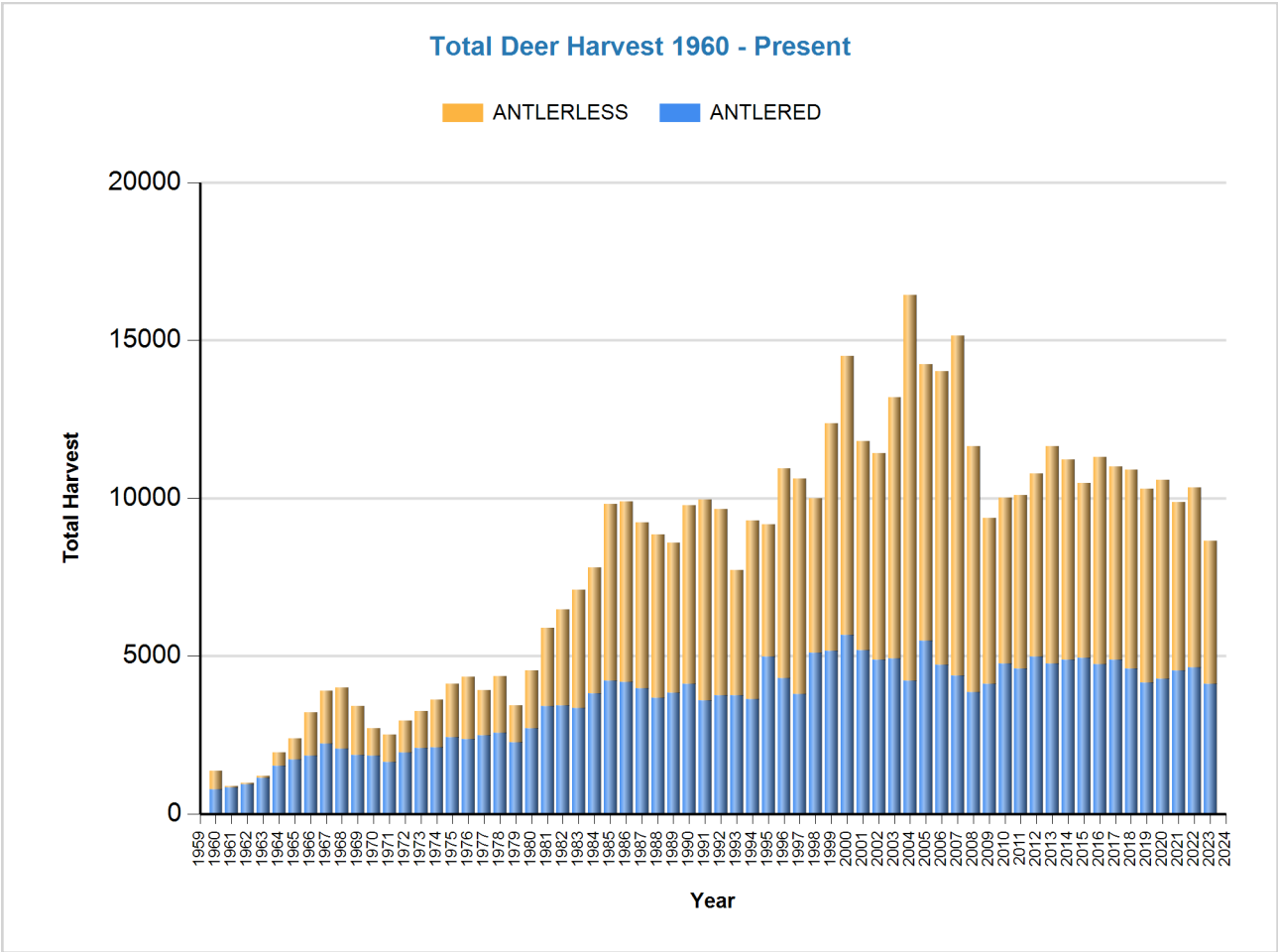


Total Harvest for Shawano County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	279	256	265	239	195	208	169	162	192	177
Antlerless	467	434	591	540	475	526	552	422	471	575
Total	746	690	856	779	670	734	721	584	663	752
Gun										
Antlered	169	147	153	142	116	95	84	73	115	103
Antlerless	330	299	380	347	321	316	347	259	331	480
Total	499	446	533	489	437	411	431	332	446	583
Bow										
Antlered	88	68	71	52	38	50	50	48	39	35
Antlerless	96	89	113	88	73	83	89	67	54	39
Total	184	157	184	140	111	133	139	115	93	74
Crossbow										
Antlered	22	41	41	45	41	63	35	41	38	39
Antlerless	41	46	98	105	81	127	116	96	86	56
Total	63	87	139	150	122	190	151	137	124	95
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	15	17	10	8	12	7	11	16

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

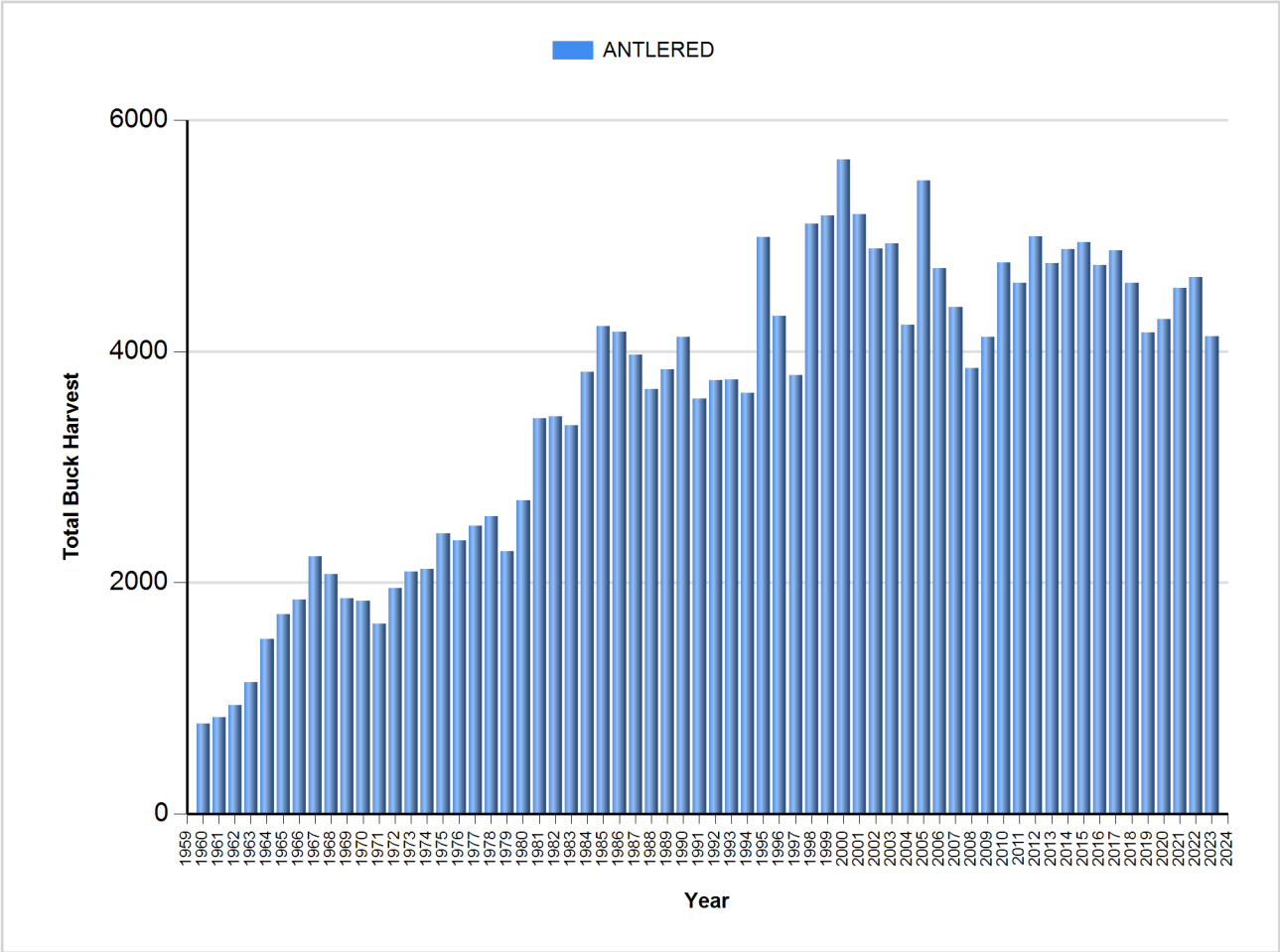




Total Buck Harvest 1960 - Present

Historic High: 2000 - 5,660

Historic Low: 1960 - 778

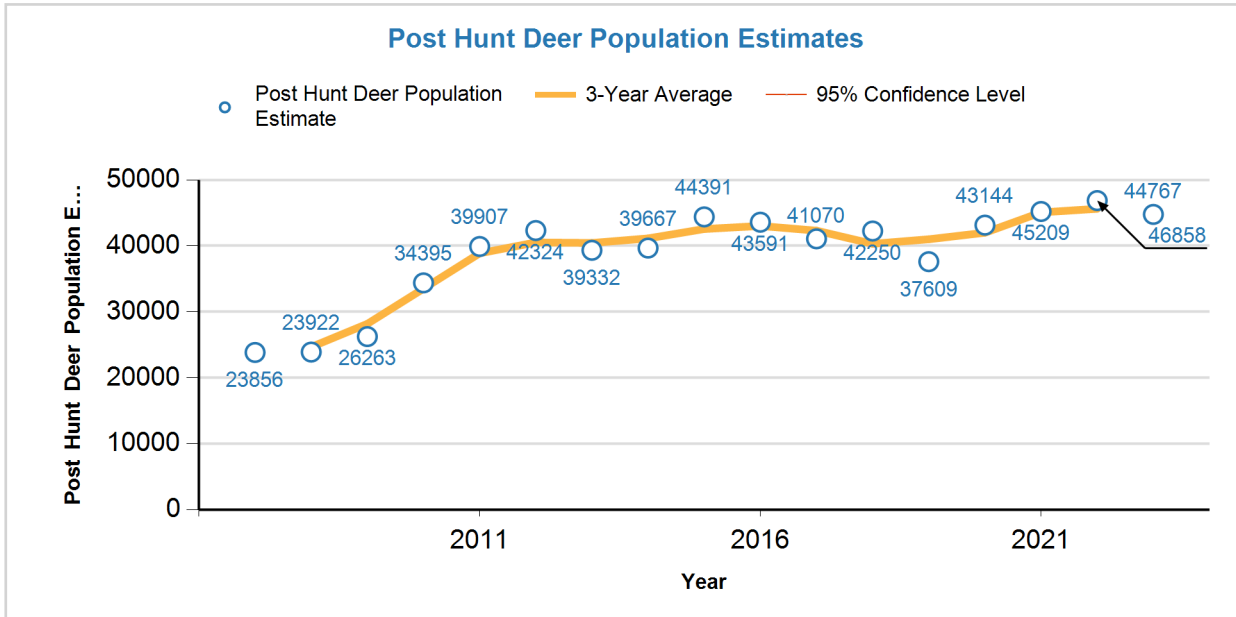


Antlerless Tag Issuance & Success for Shawano County - Central Farmland

Year	2020	2021	2022	2023
Farmland - Public				
Issued	12,086	11,799	11,581	7,083
Killed	499	385	435	315
Success Rate (%)	4.1	3.3	3.8	4.4
Farmland - Private				
Issued	62,428	60,441	58,916	39,583
Killed	5,164	4,416	4,720	3,666
Success Rate (%)	8.3	7.3	8.0	9.3
Farmland - Total				
Issued	74,514	72,240	70,497	46,666
Killed	5,663	4,801	5,155	3,981
Success Rate (%)	7.6	6.6	7.3	8.5
Bonus- Public				
Available	1,000	1,000	1,100	1,100
Issued	358	332	333	315
Killed	33	23	23	21
Success Rate (%)	9.2	6.9	6.9	6.7
Bonus- Private				
Available	3,900	4,300	4,400	4,400
Issued	722	801	750	900
Killed	108	98	110	120
Success Rate (%)	15.0	12.2	14.7	13.3
Bonus- Total				
Available	4,900	5,300	5,500	5,500
Issued	1,080	1,133	1,083	1,215
Killed	141	121	133	141
Success Rate (%)	13.1	10.7	12.3	11.6

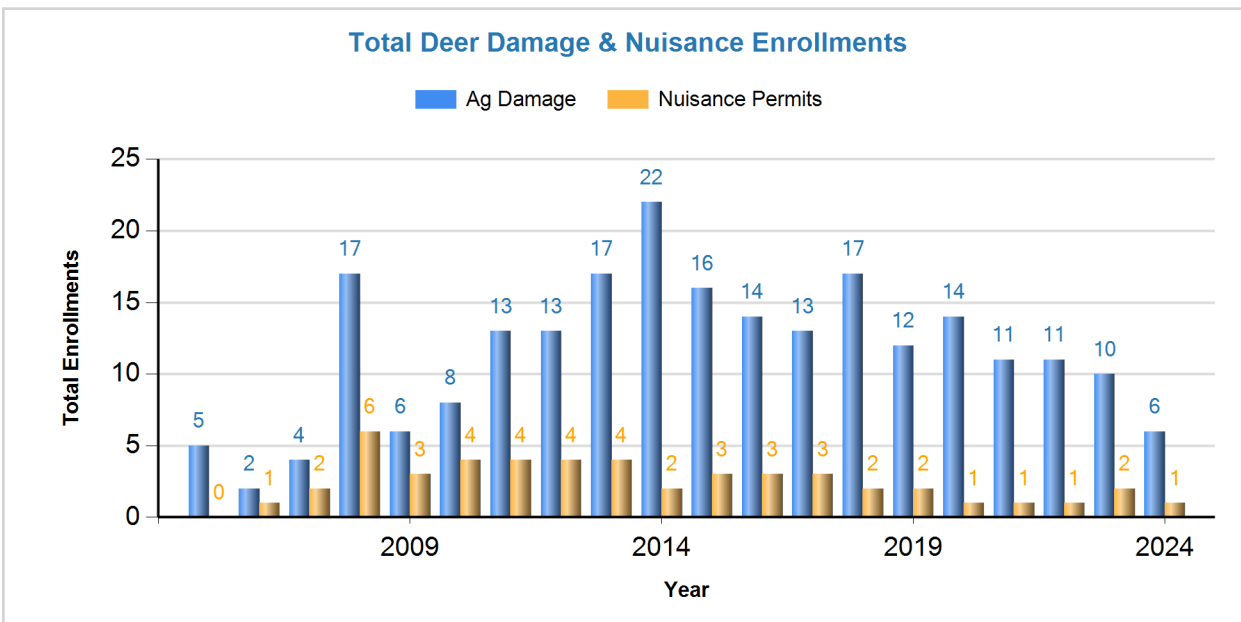
Herd Abundance

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

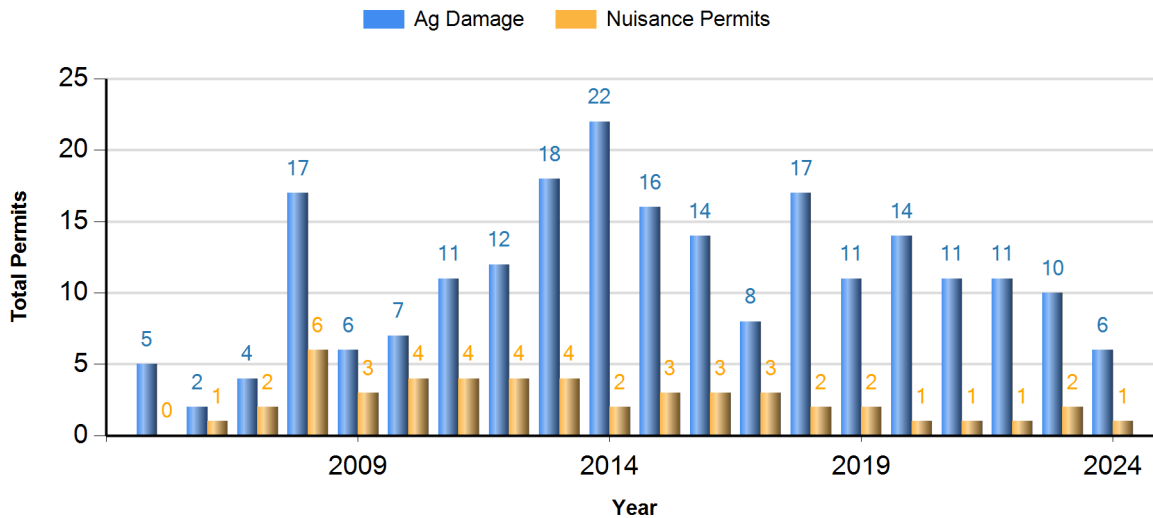


Deer Impacts – Agriculture & Nuisance Impacts

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



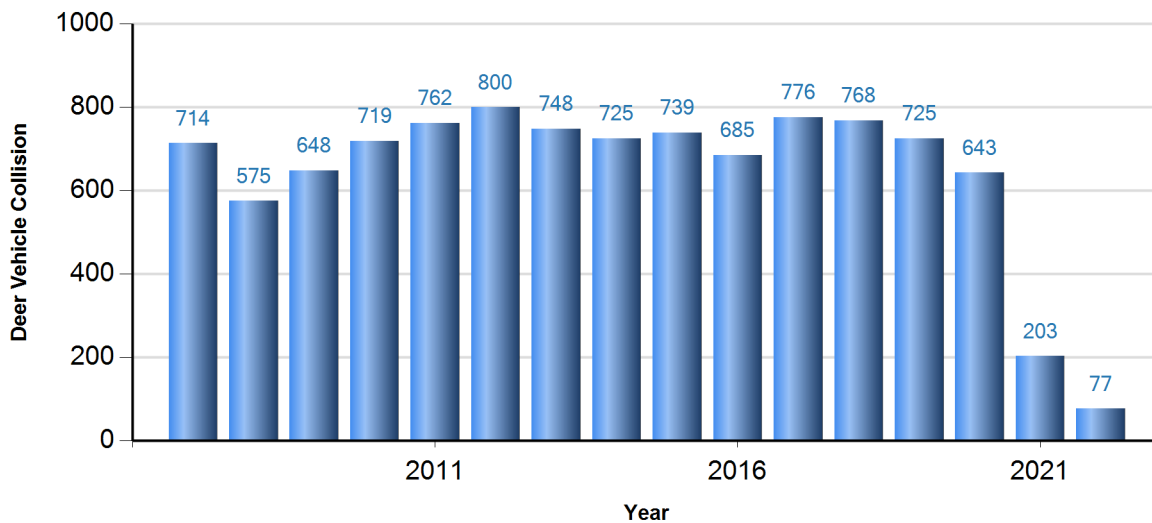
Total Deer Damage & Nuisance Shooting Permits Issued



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

