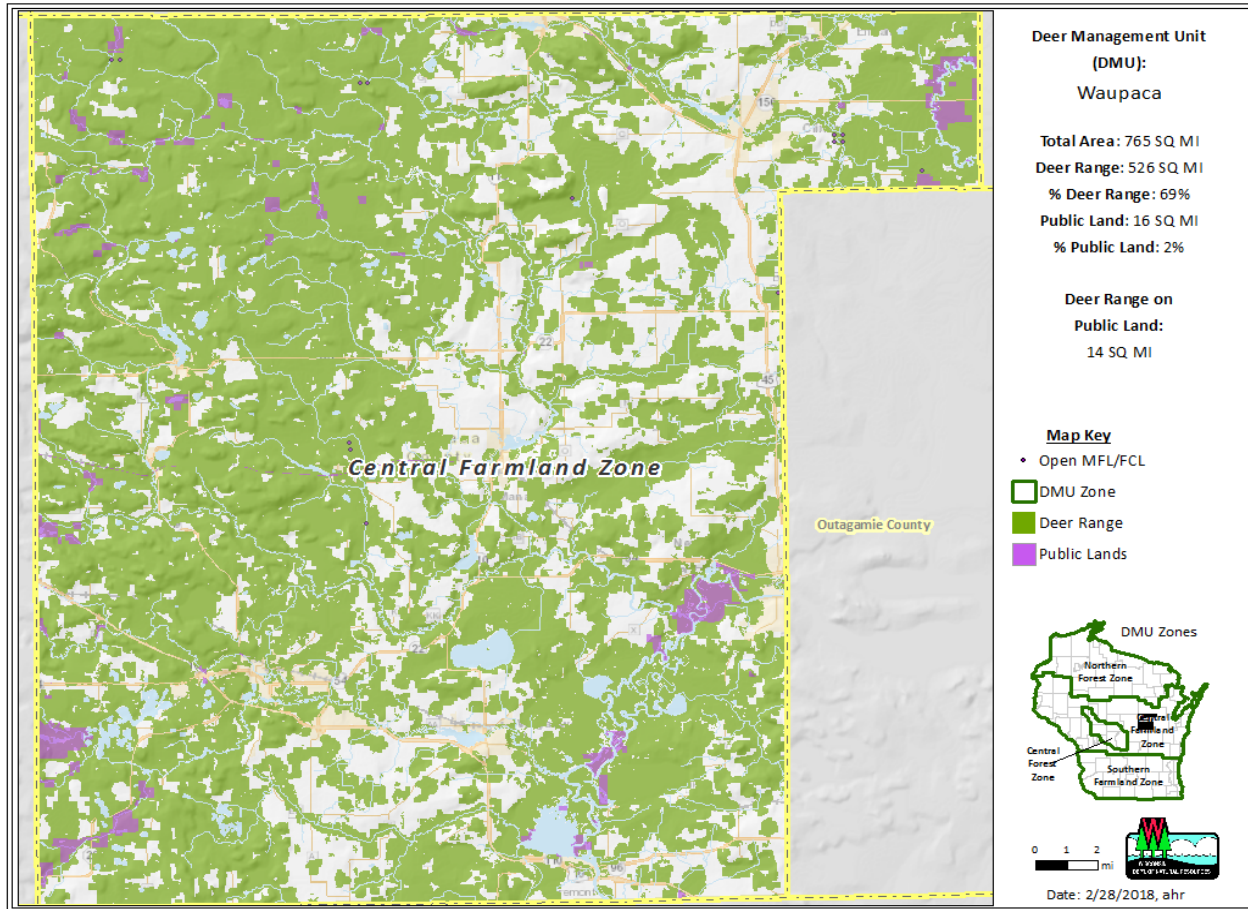


Waupaca County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Waupaca County Deer Management Unit is located in the Central Farmland Zone. Approximately 69 percent of the unit is considered suitable deer range. Habitat types vary greatly across the unit and include forested lands, wetlands, grasslands and areas heavily dominated by agriculture. Although deer are not distributed evenly across the landscape, this area has some of the highest deer densities of anywhere in the state. Deer densities are at a level in some areas that they are believed to be having a detrimental impact on habitat quality. As would be expected with high deer densities, the unit consistently ranks at or near the top of all units when it comes to the number of deer harvested per year. Landownership in the unit is primarily private, with less than 3 percent of lands being open to public hunting. Approximately 10,000 acres of public land do, however, offer excellent hunting opportunities and over 90 percent of the public acreage is considered suitable deer range. Public hunting opportunities are available at Mukwa Wildlife Area, many scattered Fishery Areas and at Hartman Creek State Park. The current deer herd management objective is to maintain the population.

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

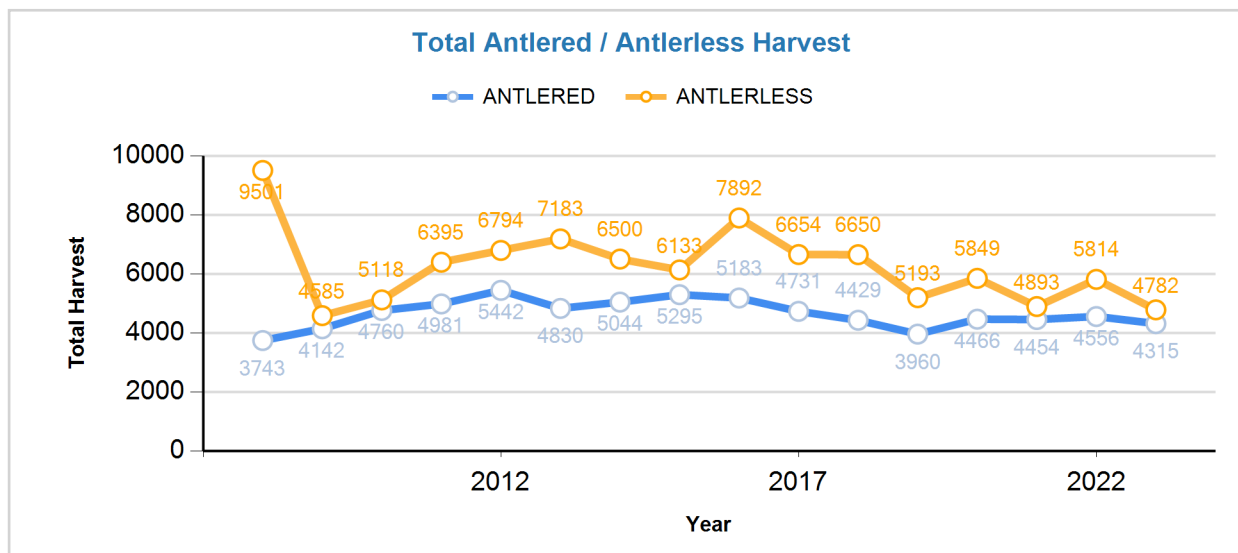
Total Area of Unit (Sq. Miles): 764.90

Deer Range of Unit (Sq. Miles): 525.40

Total Harvest for Waupaca County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	5044	5295	5183	4731	4429	3960	4466	4454	4556	4315
Antlerless	6545	6133	7892	6655	6650	5193	5849	4893	5814	4782
Total	11589	11428	13075	11386	11079	9153	10315	9347	10370	9097
Gun										
Antlered	3321	3316	3364	3035	3072	2285	2569	2544	2828	2598
Antlerless	5014	4615	5908	4968	5060	3765	4331	3630	4331	3583
Total	8335	7931	9272	8003	8132	6050	6900	6174	7159	6181
Bow										
Antlered	1107	1184	1018	813	591	753	796	748	611	609
Antlerless	980	902	1117	802	740	661	637	513	539	435
Total	2087	2086	2135	1615	1331	1414	1433	1261	1150	1044
Crossbow										
Antlered	616	795	801	883	766	922	1101	1162	1117	1108
Antlerless	551	616	867	885	850	767	881	750	944	764
Total	1167	1411	1668	1768	1616	1689	1982	1912	2061	1872
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	311	295	262	166	244	178	209	149

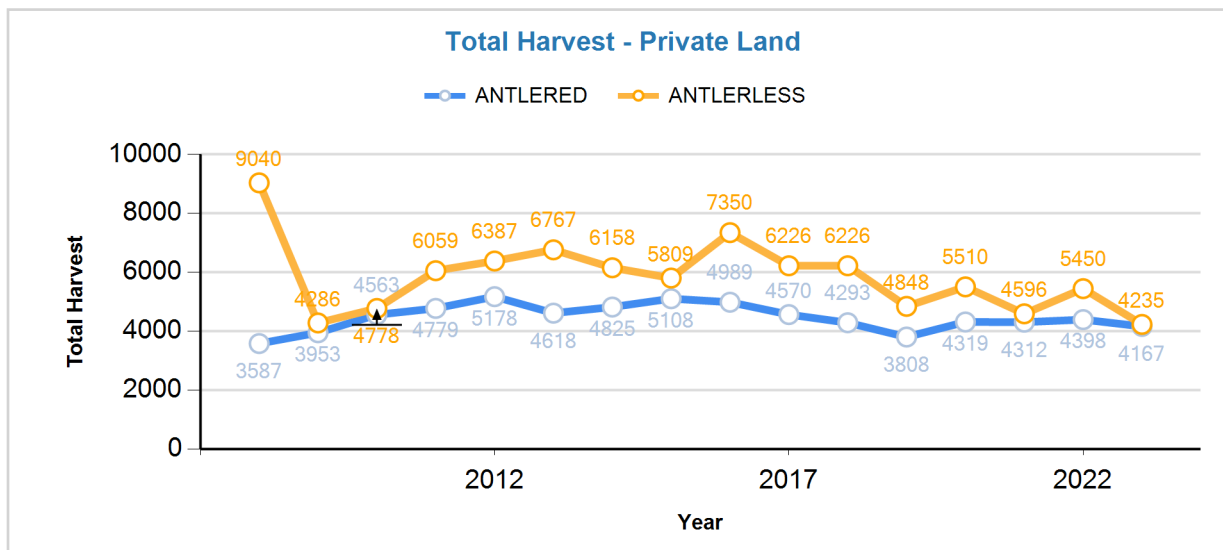
* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	4825	5108	4989	4570	4293	3808	4319	4312	4398	4167
Antlerless	6201	5809	7350	6227	6226	4848	5510	4596	5450	4235
Total	11026	10917	12339	10797	10519	8656	9829	8908	9848	8402
Gun										
Antlered	3193	3212	3252	2941	2991	2201	2499	2482	2738	2517
Antlerless	4761	4397	5549	4677	4768	3553	4118	3426	4101	3145
Total	7954	7609	8801	7618	7759	5754	6617	5908	6839	5662
Bow										
Antlered	1040	1130	963	769	561	715	756	713	581	573
Antlerless	917	828	992	736	673	597	584	476	480	388
Total	1957	1958	1955	1505	1234	1312	1340	1189	1061	961
Crossbow										
Antlered	592	766	774	860	741	892	1064	1117	1079	1077
Antlerless	523	584	809	814	785	698	808	694	869	702
Total	1115	1350	1583	1674	1526	1590	1872	1811	1948	1779
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	295	280	259	162	237	173	205	147

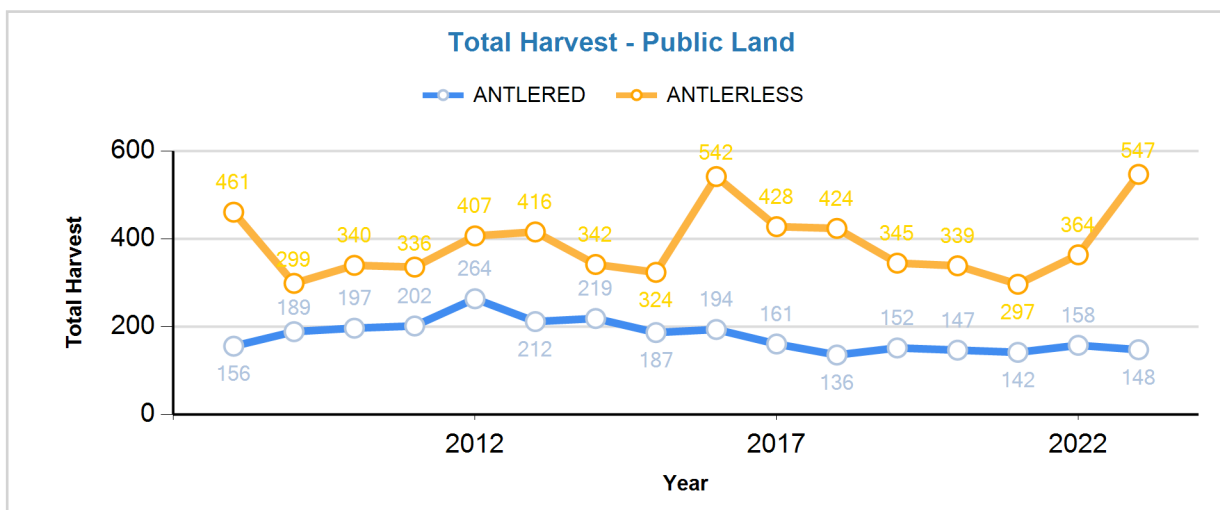
* Tribal and Youth Antlerless data are included in above totals where they apply

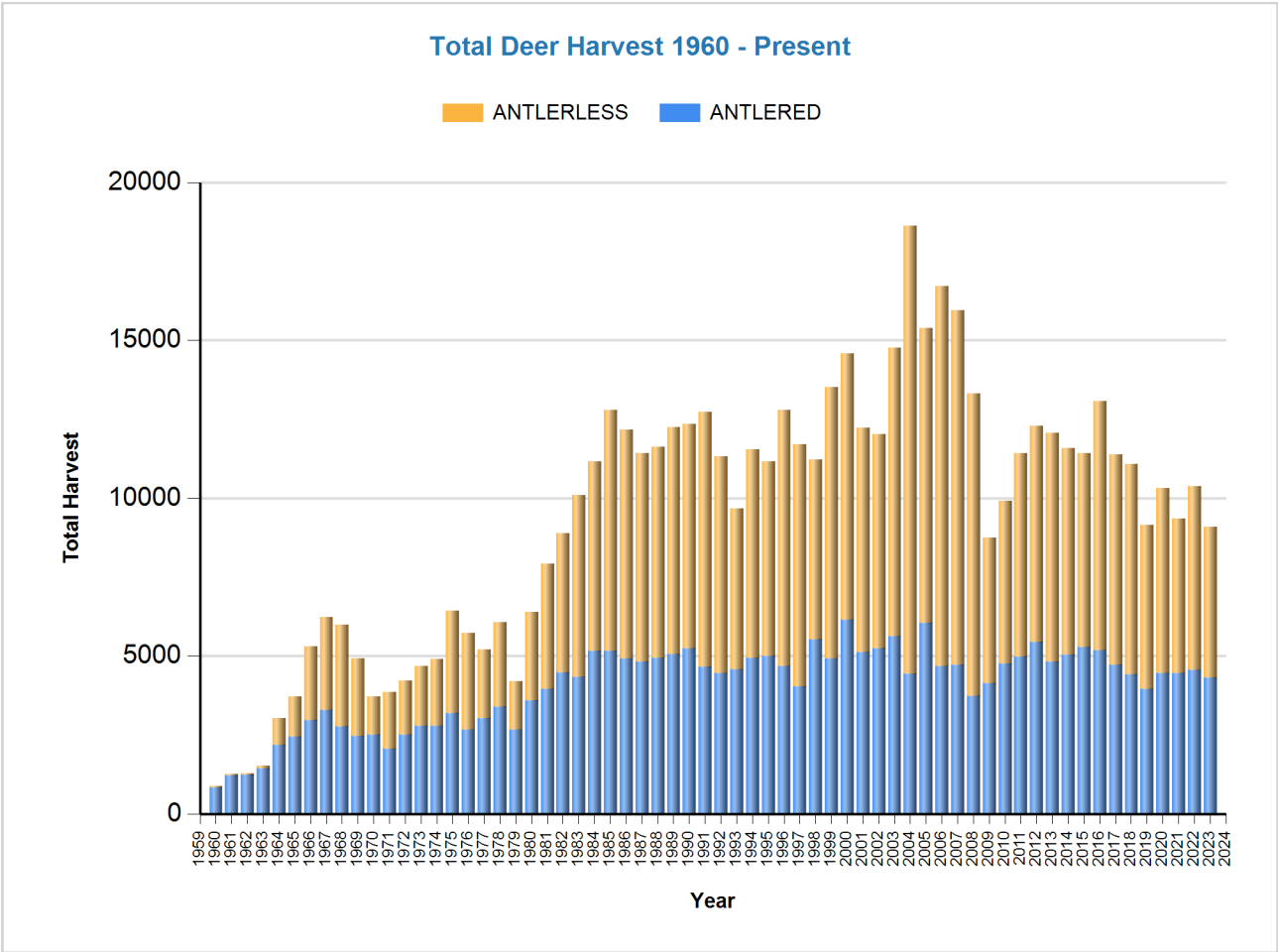


Total Harvest for Waupaca County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	219	187	194	161	136	152	147	142	158	148
Antlerless	344	324	542	428	424	345	339	297	364	547
Total	563	511	736	589	560	497	486	439	522	695
Gun										
Antlered	128	104	112	94	81	84	70	62	90	81
Antlerless	253	218	359	291	292	212	213	204	230	438
Total	381	322	471	385	373	296	283	266	320	519
Bow										
Antlered	67	54	55	44	30	38	40	35	30	36
Antlerless	63	74	125	66	67	64	53	37	59	47
Total	130	128	180	110	97	102	93	72	89	83
Crossbow										
Antlered	24	29	27	23	25	30	37	45	38	31
Antlerless	28	32	58	71	65	69	73	56	75	62
Total	52	61	85	94	90	99	110	101	113	93
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	16	15	3	4	7	5	4	2

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

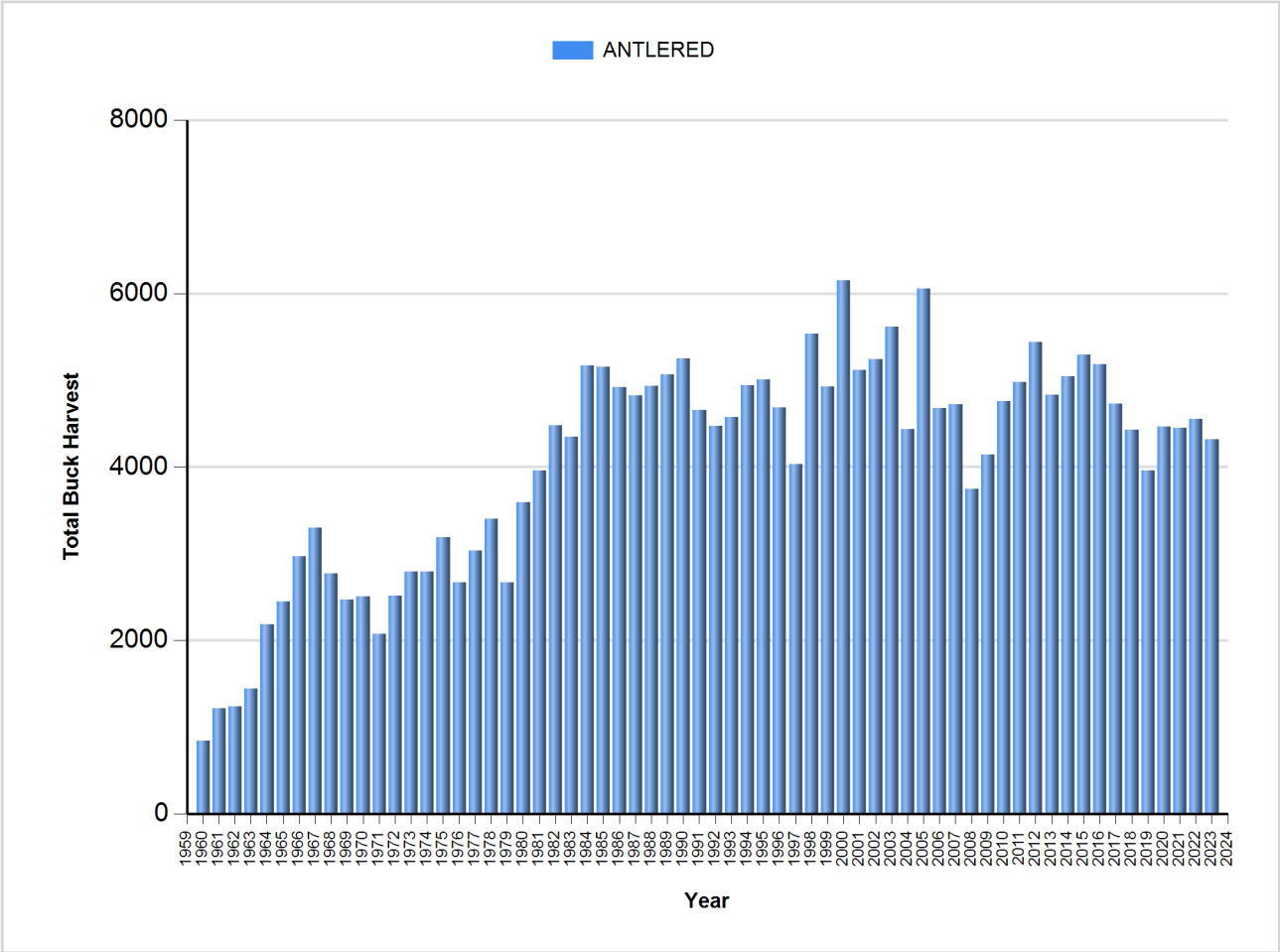




Total Buck Harvest 1960 - Present

Historic High: 2000 - 6,153

Historic Low: 1960 - 839

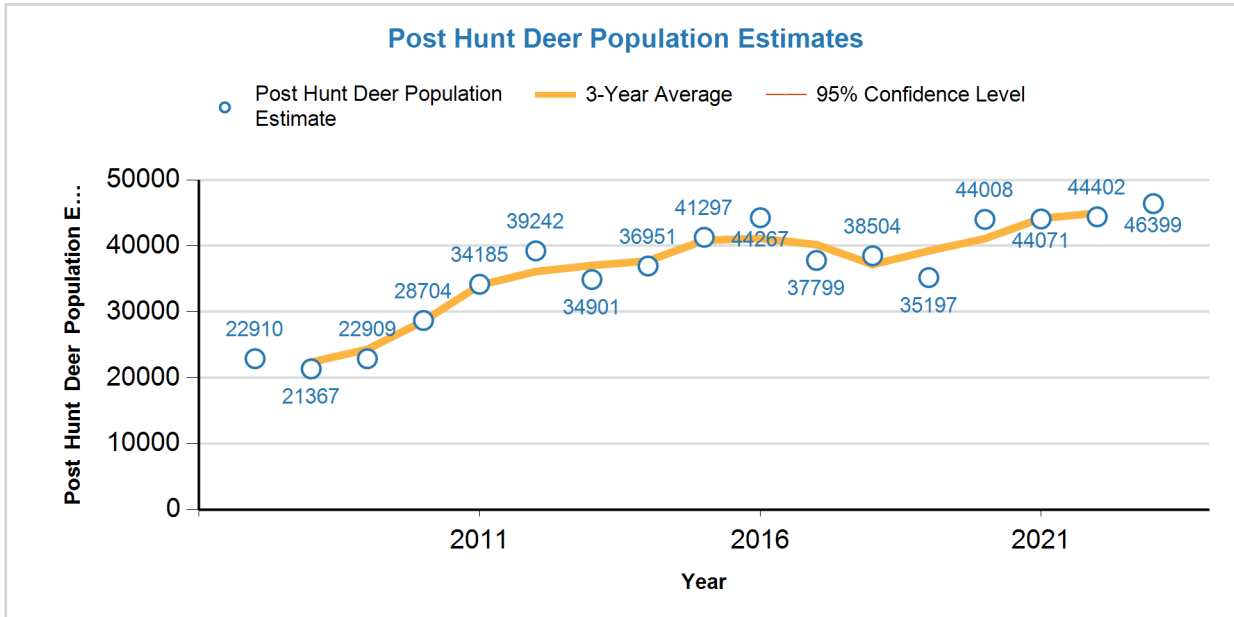


Antlerless Tag Issuance & Success for Waupaca County - Central Farmland

Year	2020	2021	2022	2023
Farmland - Public				
Issued	6,039	6,015	9,357	9,102
Killed	310	261	333	299
Success Rate (%)	5.1	4.3	3.6	3.3
Farmland - Private				
Issued	43,267	41,321	60,189	59,721
Killed	4,907	4,091	4,889	4,028
Success Rate (%)	11.3	9.9	8.1	6.7
Farmland - Total				
Issued	49,306	47,336	69,546	68,823
Killed	5,217	4,352	5,222	4,327
Success Rate (%)	10.6	9.2	7.5	6.3
Bonus- Public				
Available	500	500	500	500
Issued	381	350	321	320
Killed	17	27	18	22
Success Rate (%)	4.5	7.7	5.6	6.9
Bonus- Private				
Available	2,500	2,500	1,500	1,500
Issued	903	972	840	765
Killed	179	180	145	122
Success Rate (%)	19.8	18.5	17.3	15.9
Bonus- Total				
Available	3,000	3,000	2,000	2,000
Issued	1,284	1,322	1,161	1,085
Killed	196	207	163	144
Success Rate (%)	15.3	15.7	14.0	13.3

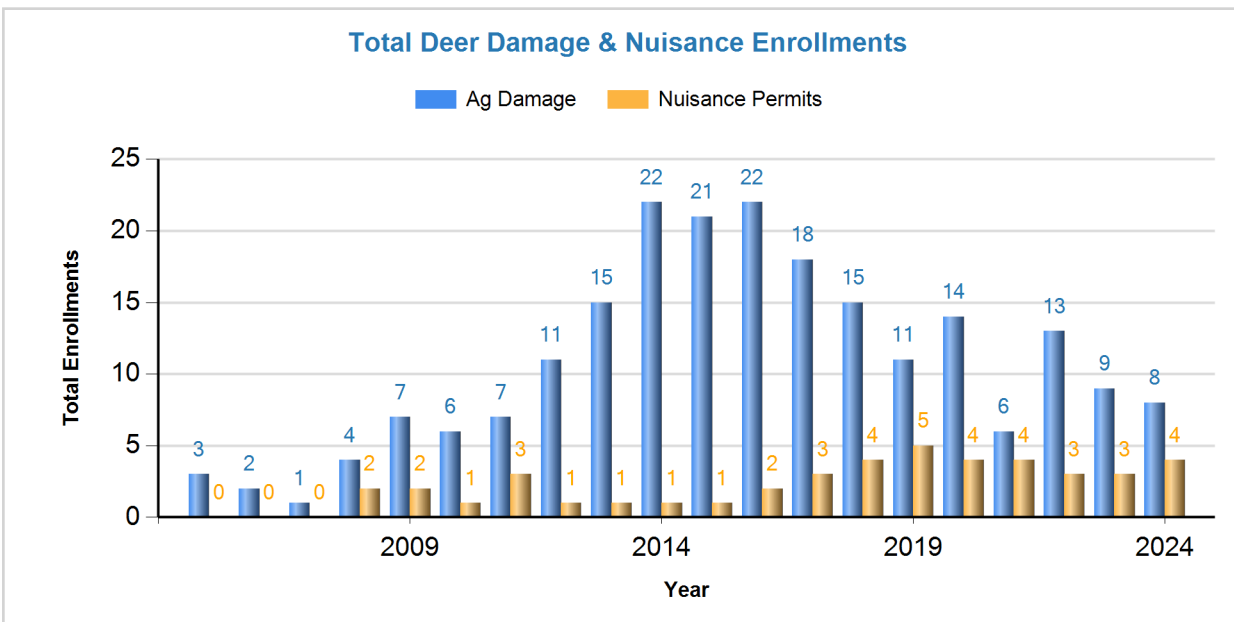
Herd Abundance

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

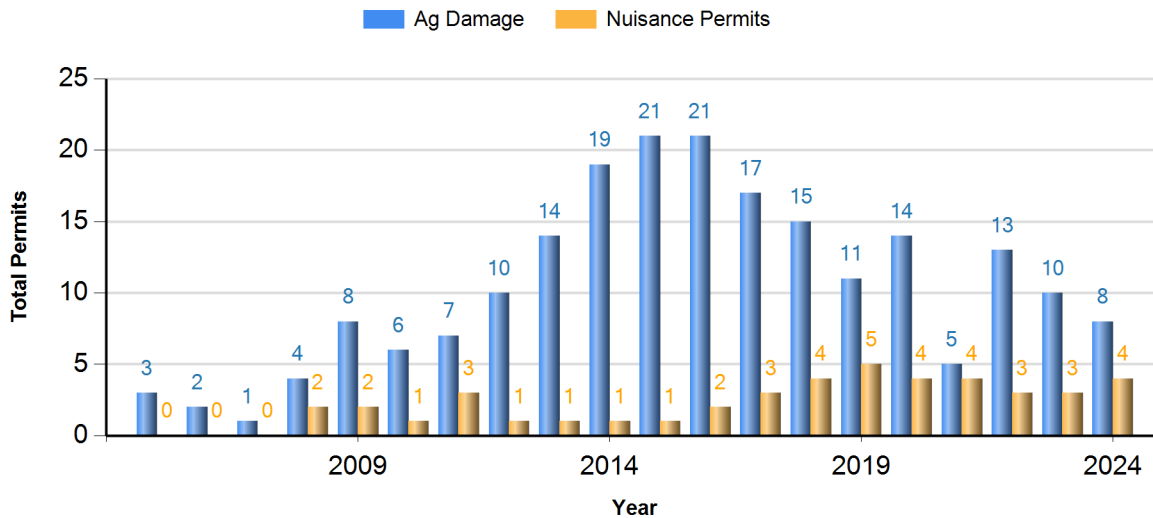


Deer Impacts – Agriculture & Nuisance Impacts

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



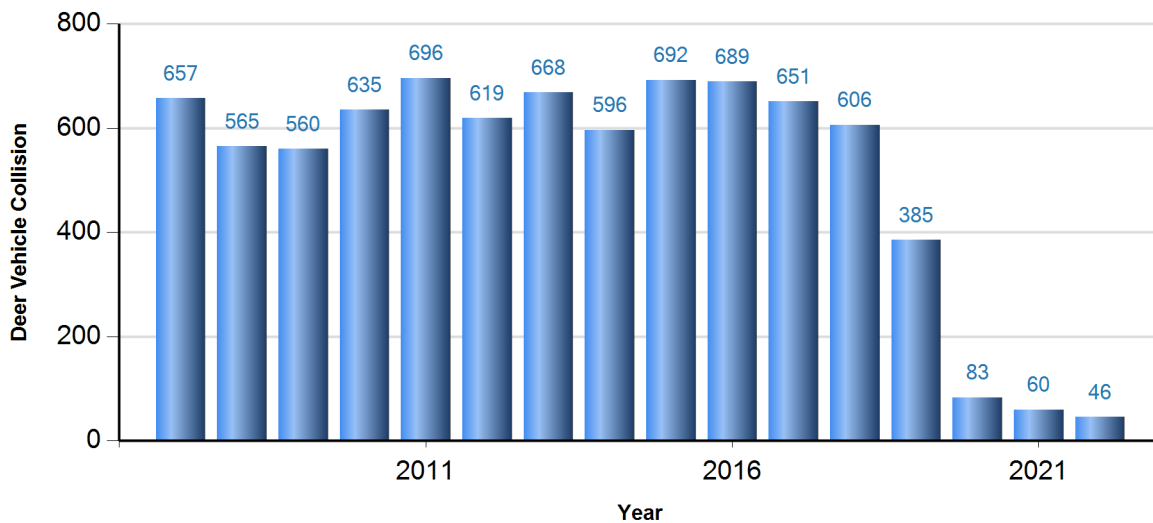
Total Deer Damage & Nuisance Shooting Permits Issued



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

