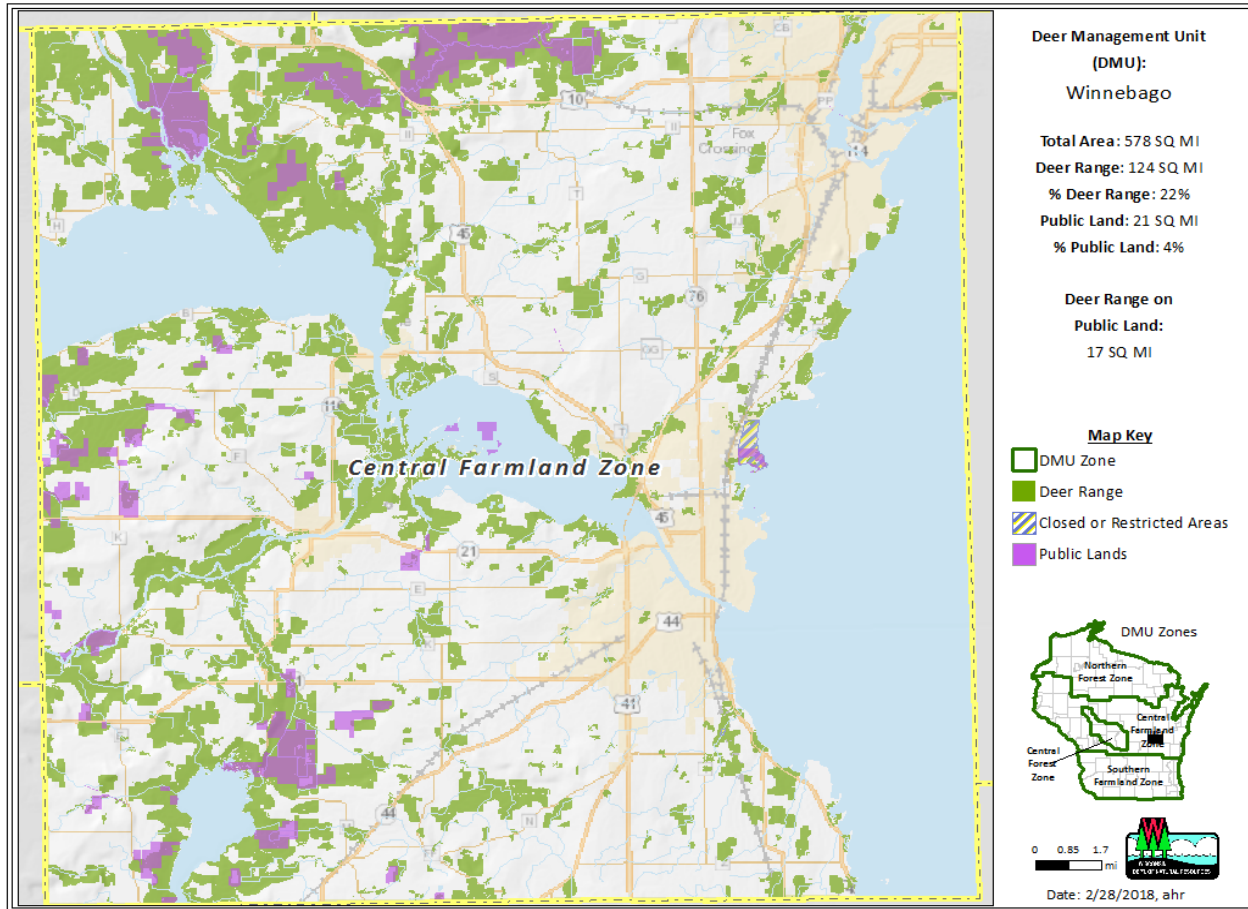


Winnebago County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Winnebago County Deer Management Unit is located in the Central Farmland Zone. Approximately 21.5 percent of the unit is considered suitable deer range. Land-use in the unit is primarily agricultural. There are scattered forested pockets throughout the county. The unit is primarily private land ownership and deer are not equally distributed throughout. Localized high densities of deer are having a detrimental impact on habitat quality. Public lands include the Rat River Wildlife Area, Poygan Marsh Wildlife Area and the Lower Wolf River Bottomlands Natural Resources Area in the northern and northwestern part of the unit. Other public lands include scattered Glacial Habitat Restoration Area (GHRA) parcels in the western and southwestern portion of the unit. These scattered GHRA parcels offer numerous hunting opportunities and are under utilized during the deer hunting seasons. 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

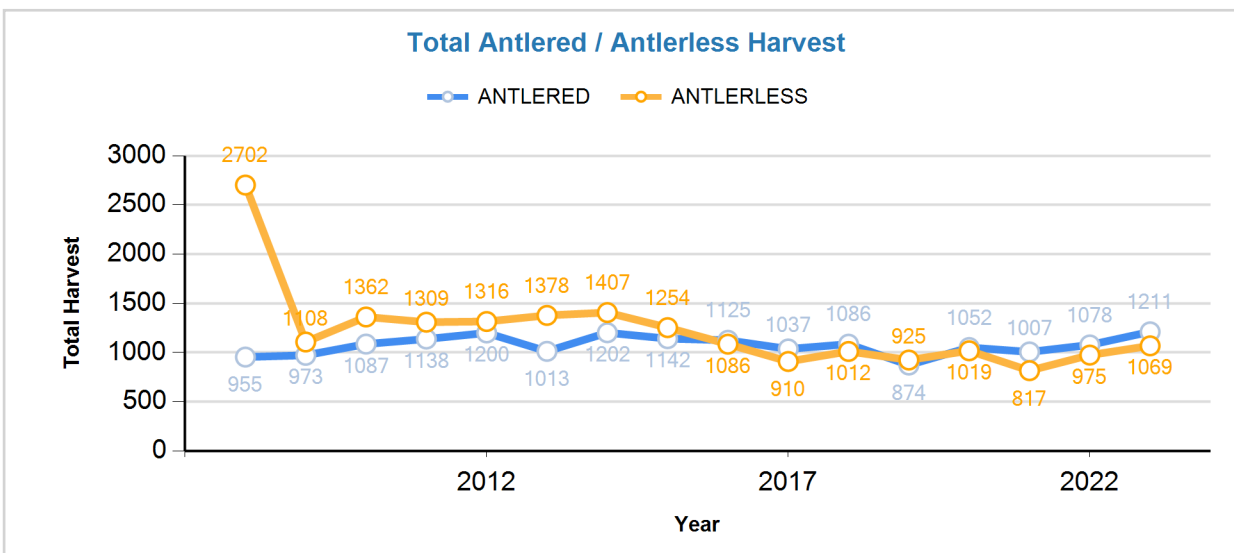
Total Area of Unit (Sq. Miles): 578.40

Deer Range of Unit (Sq. Miles): 124.30

Total Harvest for Winnebago County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1202	1142	1125	1037	1086	874	1052	1007	1078	1211
Antlerless	1415	1254	1086	910	1012	925	1019	817	975	1069
Total	2617	2396	2211	1947	2098	1799	2071	1824	2053	2280
Gun										
Antlered	694	639	628	604	668	427	543	546	585	687
Antlerless	998	823	714	584	700	597	684	568	663	660
Total	1692	1462	1342	1188	1368	1024	1227	1114	1248	1347
Bow										
Antlered	324	300	275	203	177	190	188	174	190	179
Antlerless	261	269	208	163	139	141	139	91	126	152
Total	585	569	483	366	316	331	327	265	316	331
Crossbow										
Antlered	184	203	222	230	241	257	321	287	303	345
Antlerless	156	162	164	163	173	187	196	158	186	257
Total	340	365	386	393	414	444	517	445	489	602
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	83	50	56	55	56	35	42	36

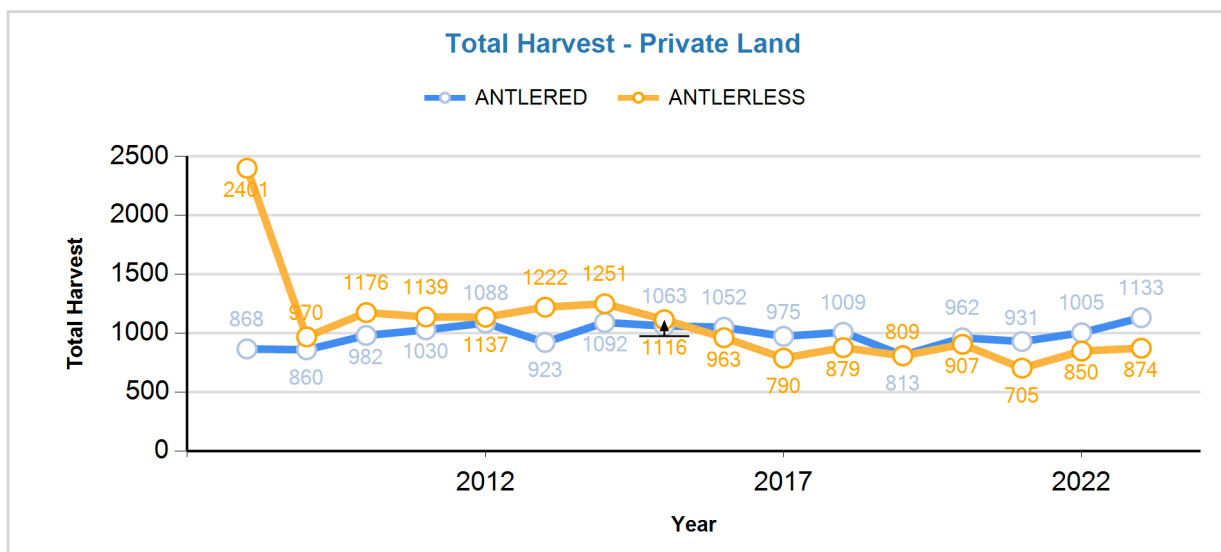
* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1092	1063	1052	975	1009	813	962	931	1005	1133
Antlerless	1258	1116	963	790	879	809	907	705	850	874
Total	2350	2179	2015	1765	1888	1622	1869	1636	1855	2007
Gun										
Antlered	640	602	601	582	628	402	496	508	546	645
Antlerless	880	748	647	523	616	533	615	504	592	532
Total	1520	1350	1248	1105	1244	935	1111	1012	1138	1177
Bow										
Antlered	283	267	245	180	156	169	166	155	170	160
Antlerless	232	222	172	129	105	111	118	67	94	116
Total	515	489	417	309	261	280	284	222	264	276
Crossbow										
Antlered	169	194	206	213	225	242	300	268	289	328
Antlerless	146	146	144	138	158	165	174	134	164	226
Total	315	340	350	351	383	407	474	402	453	554
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	78	45	53	51	53	32	32	33

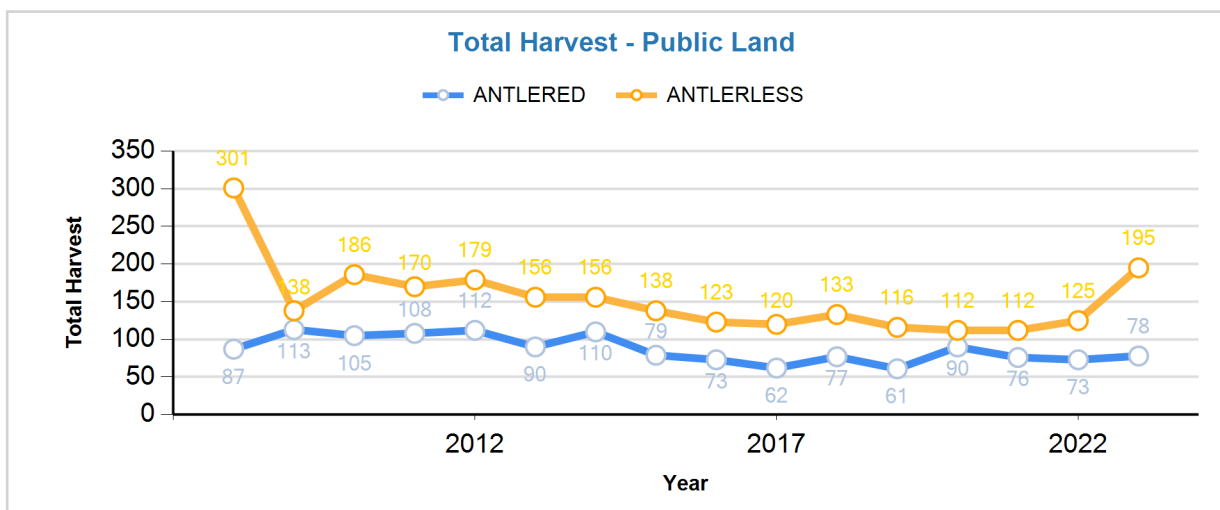
* Tribal and Youth Antlerless data are included in above totals where they apply



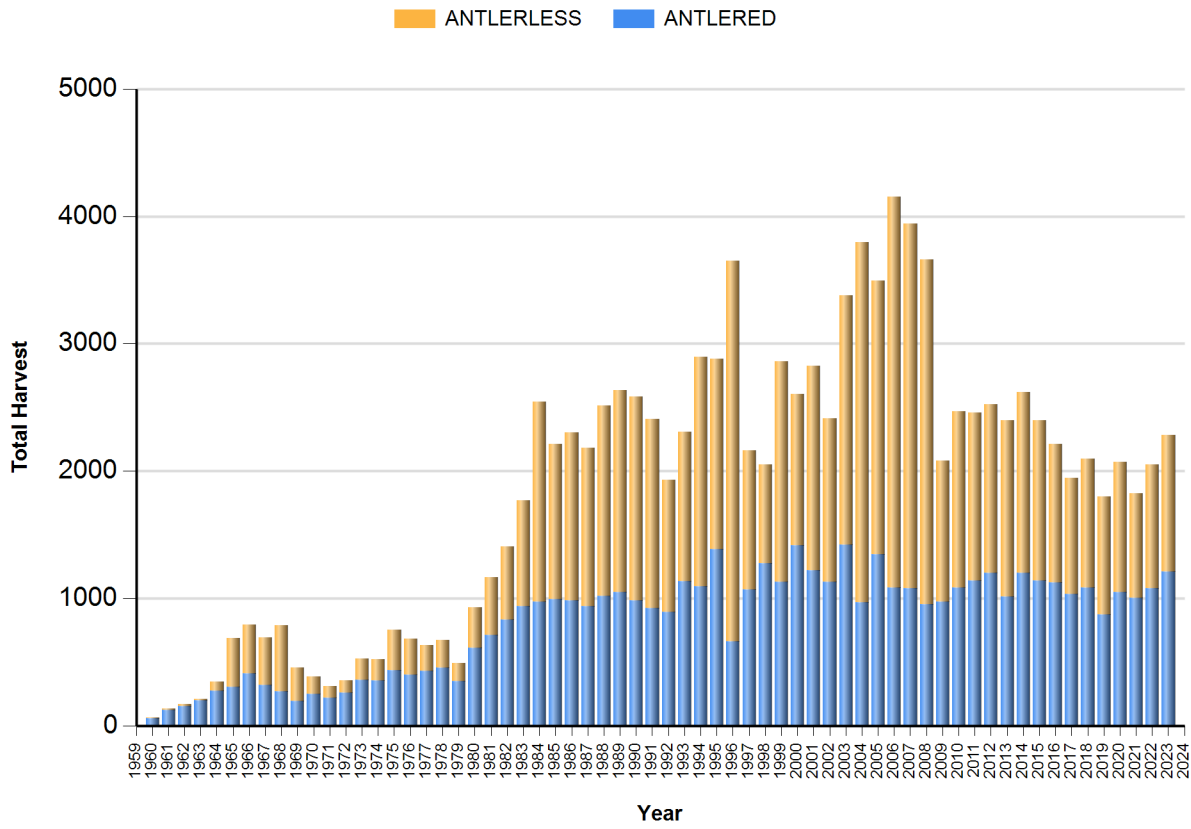
Total Harvest for Winnebago County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	110	79	73	62	77	61	90	76	73	78
Antlerless	157	138	123	120	133	116	112	112	125	195
Total	267	217	196	182	210	177	202	188	198	273
Gun										
Antlered	54	37	27	22	40	25	47	38	39	42
Antlerless	118	75	67	61	84	64	69	64	71	128
Total	172	112	94	83	124	89	116	102	110	170
Bow										
Antlered	41	33	30	23	21	21	22	19	20	19
Antlerless	29	47	36	34	34	30	21	24	32	36
Total	70	80	66	57	55	51	43	43	52	55
Crossbow										
Antlered	15	9	16	17	16	15	21	19	14	17
Antlerless	10	16	20	25	15	22	22	24	22	31
Total	25	25	36	42	31	37	43	43	36	48
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	5	5	3	4	3	3	10	3

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



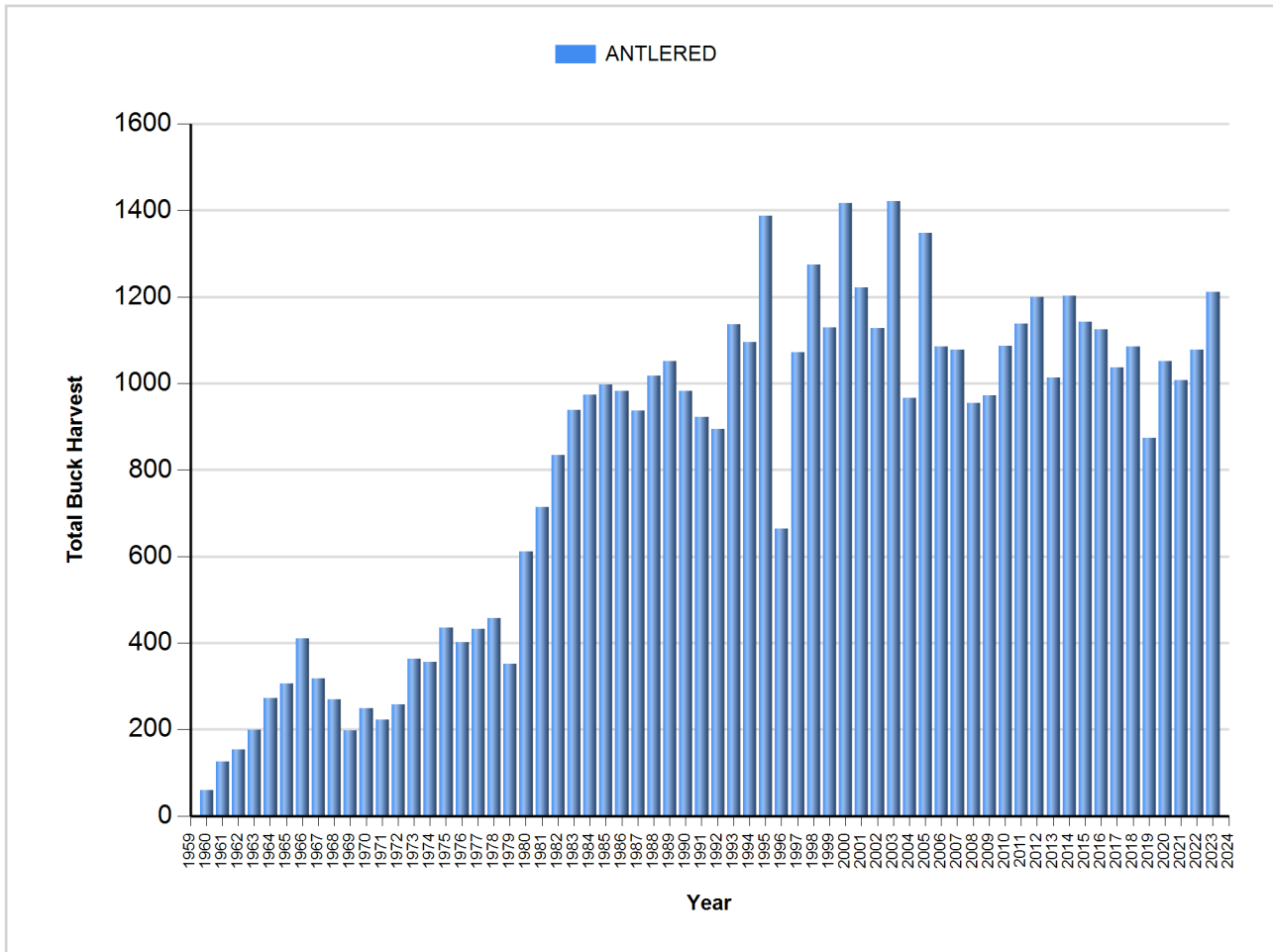
Total Deer Harvest 1960 - Present



Total Buck Harvest 1960 - Present

Historic High: 2003 - 1,421

Historic Low: 1960 - 60

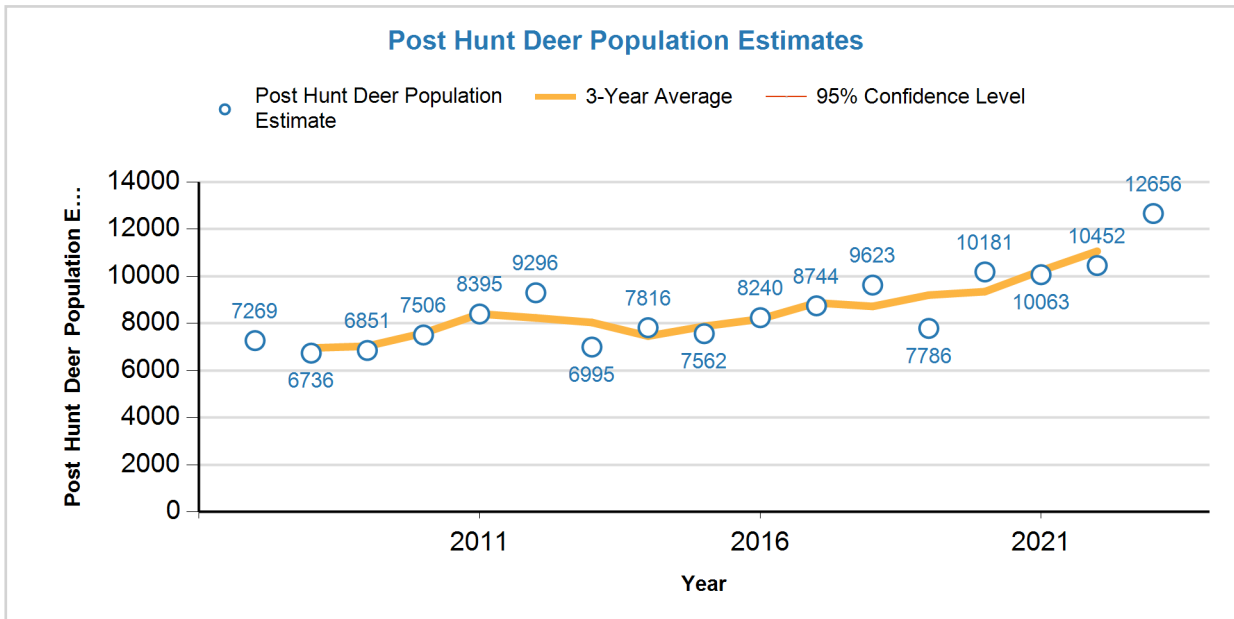


Antlerless Tag Issuance & Success for Winnebago County - Central Farmland

Year	2020	2021	2022	2023
Farmland - Public				
Issued	1,615	1,547	1,473	3,380
Killed	91	91	88	118
Success Rate (%)	5.6	5.9	6.0	3.5
Farmland - Private				
Issued	5,855	5,510	5,442	11,004
Killed	709	556	647	784
Success Rate (%)	12.1	10.1	11.9	7.1
Farmland - Total				
Issued	7,470	7,057	6,915	14,384
Killed	800	647	735	902
Success Rate (%)	10.7	9.2	10.6	6.3
Bonus- Public				
Available	225	225	225	300
Issued	225	225	225	300
Killed	14	16	25	22
Success Rate (%)	6.2	7.1	11.1	7.3
Bonus- Private				
Available	500	1,100	1,100	1,100
Issued	500	564	623	420
Killed	81	84	105	71
Success Rate (%)	16.2	14.9	16.9	16.9
Bonus- Total				
Available	725	1,325	1,325	1,400
Issued	725	789	848	720
Killed	95	100	130	93
Success Rate (%)	13.1	12.7	15.3	12.9

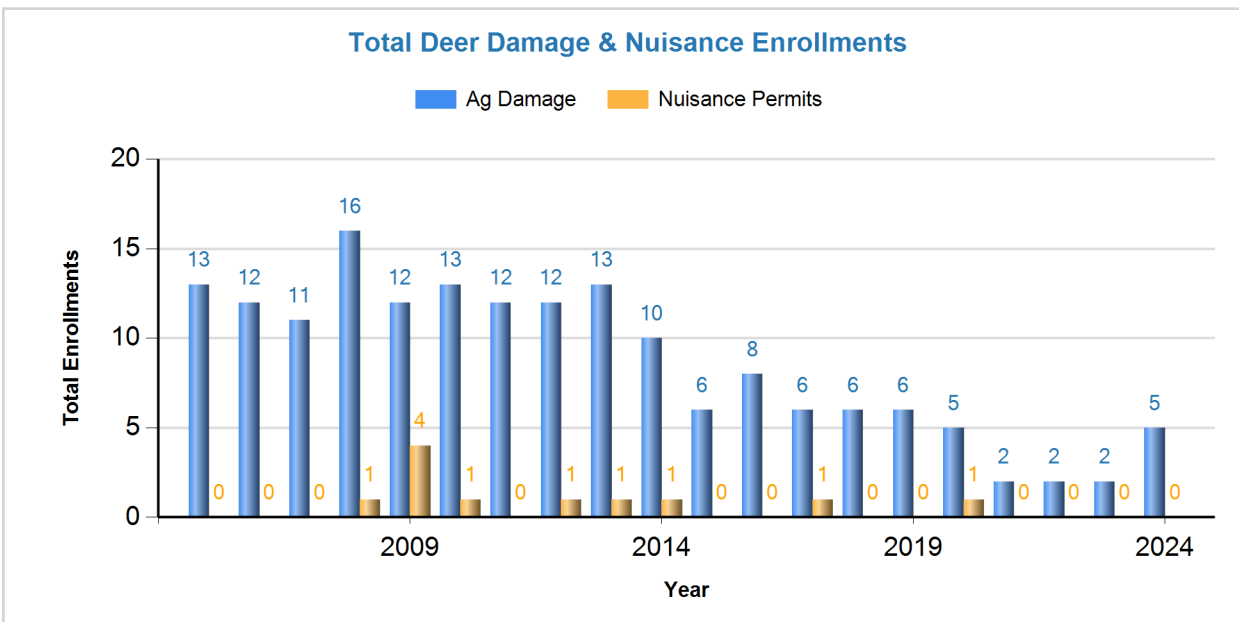
Herd Abundance

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

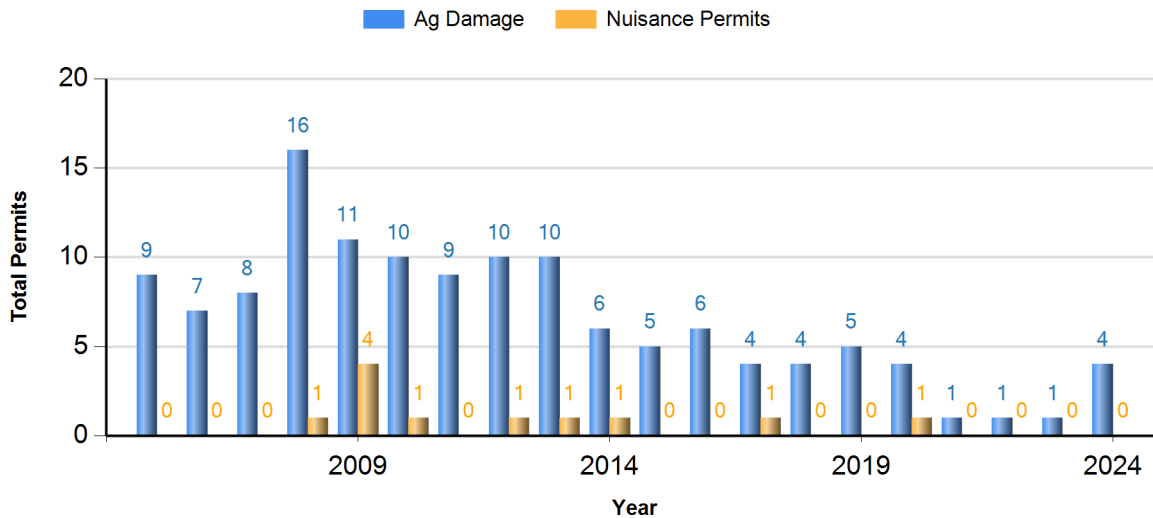


Deer Impacts – Agriculture & Nuisance Impacts

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



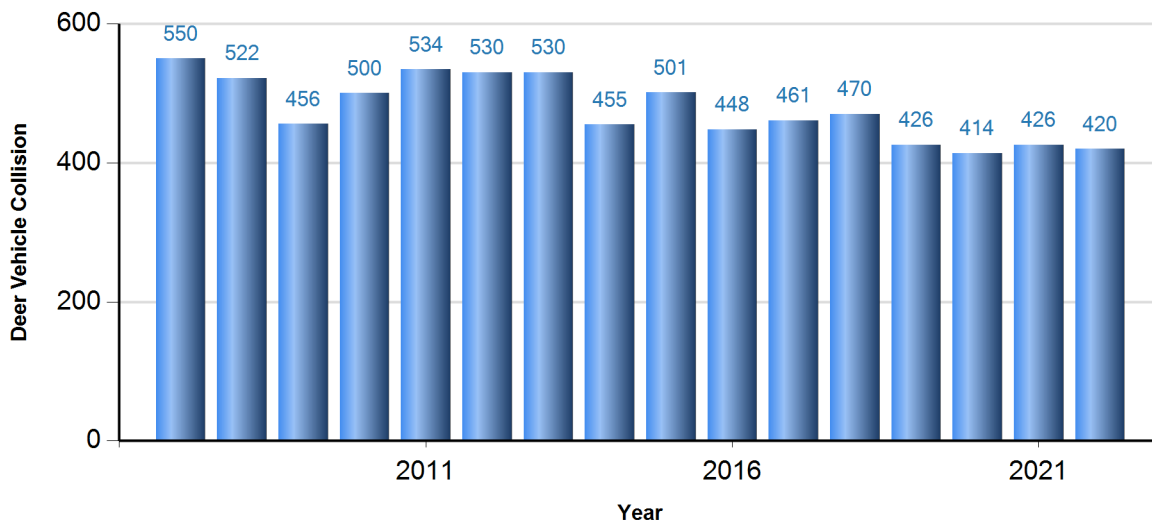
Total Deer Damage & Nuisance Shooting Permits Issued



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

