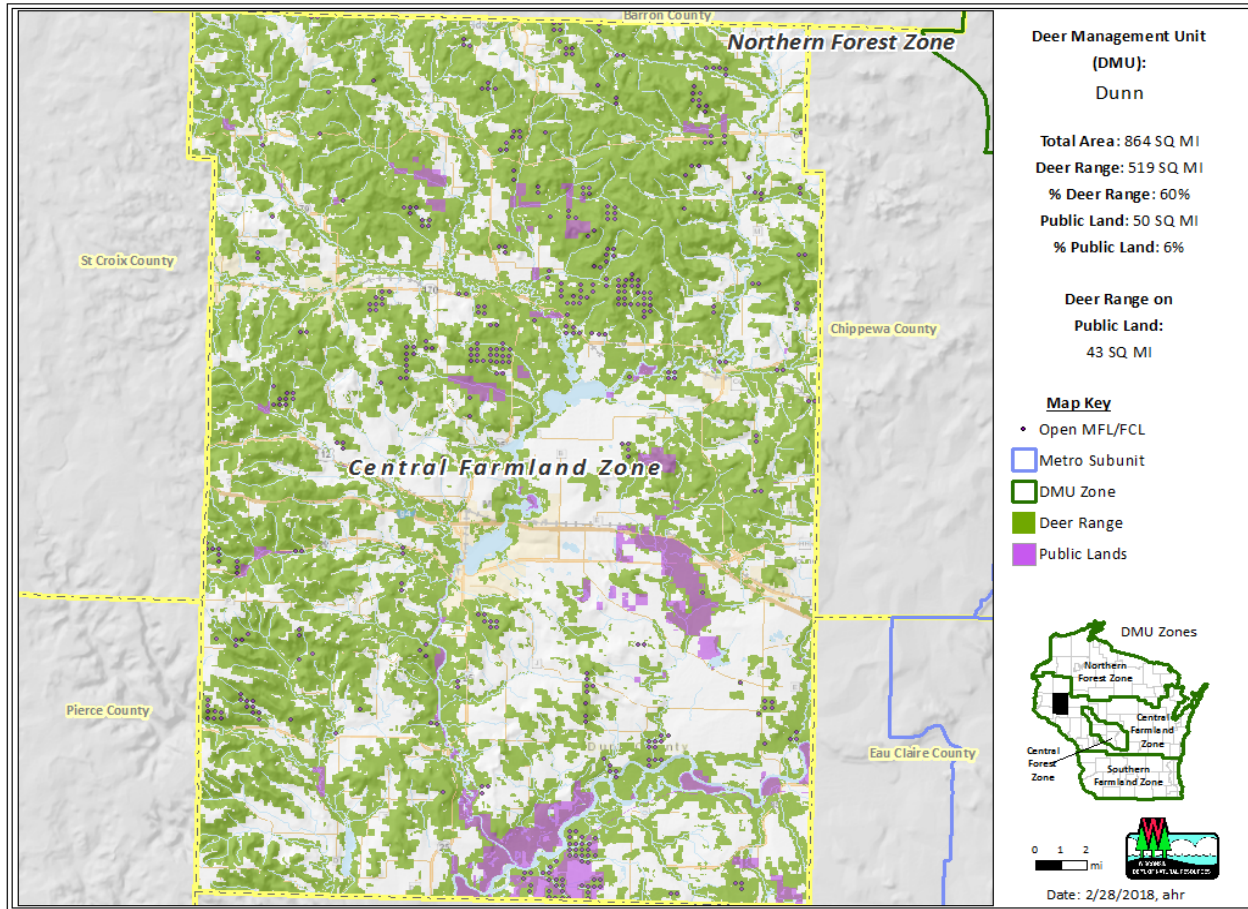


# Dunn County Deer Metrics Report

## Spring of 2024

### Management Unit:



### Manager's Note:

The Dunn County Deer Management Unit is located in the Central Farmland Zone. Approximately 67 percent of the unit is considered suitable deer range (586 square miles). Habitat quality varies greatly throughout the unit creating tremendous disparity in deer distribution. The unit is diverse and comprised of large wooded ridges and agricultural valleys, bottomland forest along the Hay, Red Cedar and Chippewa Rivers and expansive farmlands dominated by center-pivot irrigation agriculture. The tension zone runs through the northern portion of the unit creating a diverse plant community with species found in both the northern and southern parts of the state. Public hunting opportunities are abundant with nearly 20,000 acres of the unit in public lands. These properties include Muddy Creek Wildlife Area, Dunnville Wildlife Area, Lamb's Creek Wildlife Area, Big Beaver Creek Wildlife Area, Hay Creek Wildlife Area, Otter Creek State Natural Area, Nine Mile Island State Natural Area and the Lower Chippewa River State Natural Area. Public hunting is also permitted on county-owned portions of the Chippewa River Islands and on Xcel Energy's Tyrone property in the southern portion of the unit through enrollment in the open Voluntary Public Access and Managed Forest Land programs. In addition, deer hunting is allowed at Hoffman Hills State Recreation Area during the 9-day gun deer season only. The current deer herd management objective is to stabilize 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**

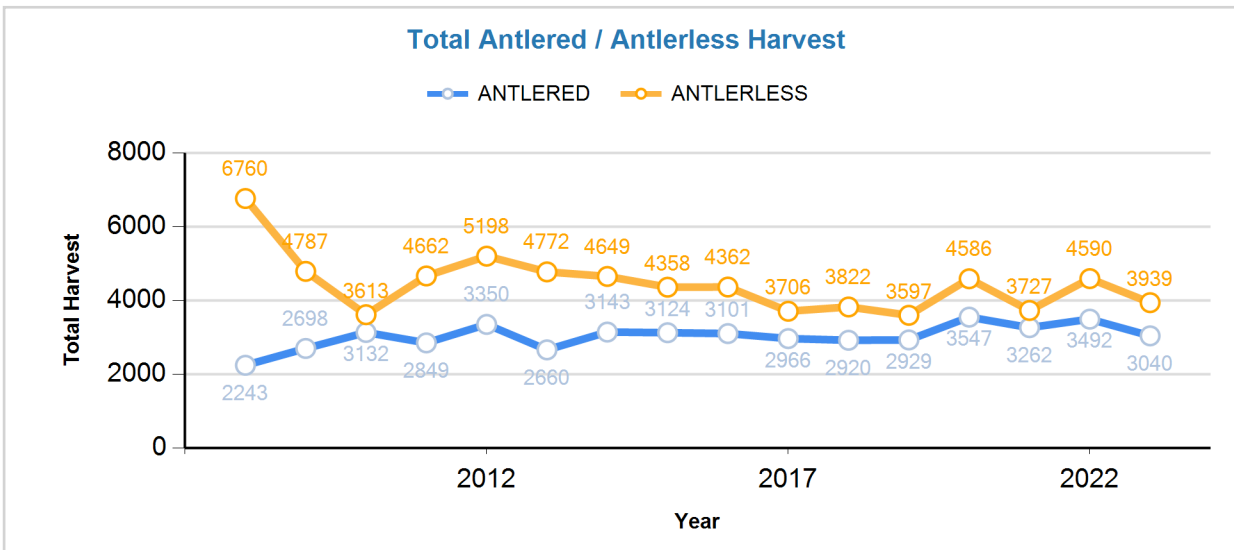
Total Area of Unit (Sq. Miles): 863.60

Deer Range of Unit (Sq. Miles): 518.50

## Total Harvest for Dunn County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	3143	3124	3101	2966	2920	2929	3547	3262	3492	3040
Antlerless	4682	4358	4362	3706	3822	3597	4586	3727	4590	3939
Total	7825	7482	7463	6672	6742	6526	8133	6989	8082	6979
<b>Gun</b>										
Antlered	2322	2114	2154	2005	2094	1855	2176	2010	2335	1969
Antlerless	3841	3589	3483	2926	3125	2881	3549	2987	3639	3193
Total	6163	5703	5637	4931	5219	4736	5725	4997	5974	5162
<b>Bow</b>										
Antlered	586	646	544	499	415	525	631	565	494	451
Antlerless	584	480	502	416	364	315	441	318	389	309
Total	1170	1126	1046	915	779	840	1072	883	883	760
<b>Crossbow</b>										
Antlered	235	364	403	462	411	549	740	685	663	620
Antlerless	257	289	377	364	333	401	596	422	562	437
Total	492	653	780	826	744	950	1336	1107	1225	1057
<b>Tribal*</b>										
Antlered	0	0	0	0	0	0	0	2	0	0
Antlerless	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	2	0	0
<b>Youth Antlerless*</b>										
Antlerless	0	0	283	284	273	189	220	206	186	152

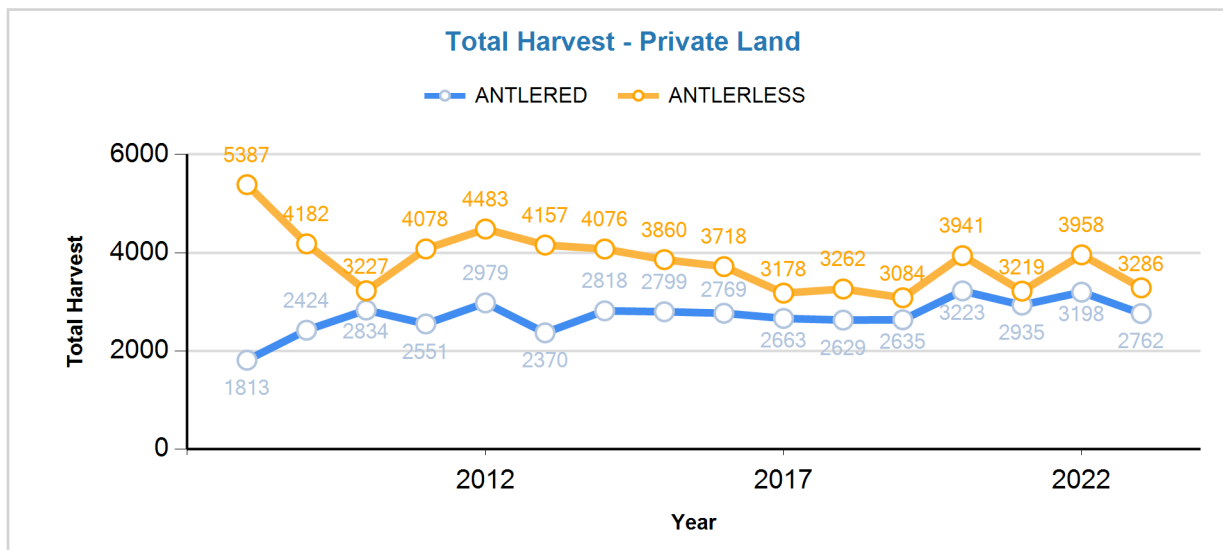
\* Tribal and Youth Antlerless data are included in above totals where they apply



## Total Harvest for Dunn County - Central Farmland Management Zone - Private Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	2818	2799	2769	2663	2629	2635	3223	2935	3198	2762
Antlerless	4106	3860	3718	3178	3262	3084	3941	3219	3958	3286
Total	6924	6659	6487	5841	5891	5719	7164	6154	7156	6048
<b>Gun</b>										
Antlered	2103	1910	1940	1815	1892	1687	2000	1842	2164	1818
Antlerless	3412	3209	3007	2563	2709	2502	3094	2650	3193	2678
Total	5515	5119	4947	4378	4601	4189	5094	4492	5357	4496
<b>Bow</b>										
Antlered	508	564	474	437	367	451	548	476	429	384
Antlerless	478	404	392	325	274	256	338	233	298	239
Total	986	968	866	762	641	707	886	709	727	623
<b>Crossbow</b>										
Antlered	207	325	355	411	370	497	675	617	605	560
Antlerless	216	247	319	290	279	326	509	336	467	369
Total	423	572	674	701	649	823	1184	953	1072	929
<b>Tribal*</b>										
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
<b>Youth Antlerless*</b>										
Antlerless	0	0	250	258	252	180	200	199	171	139

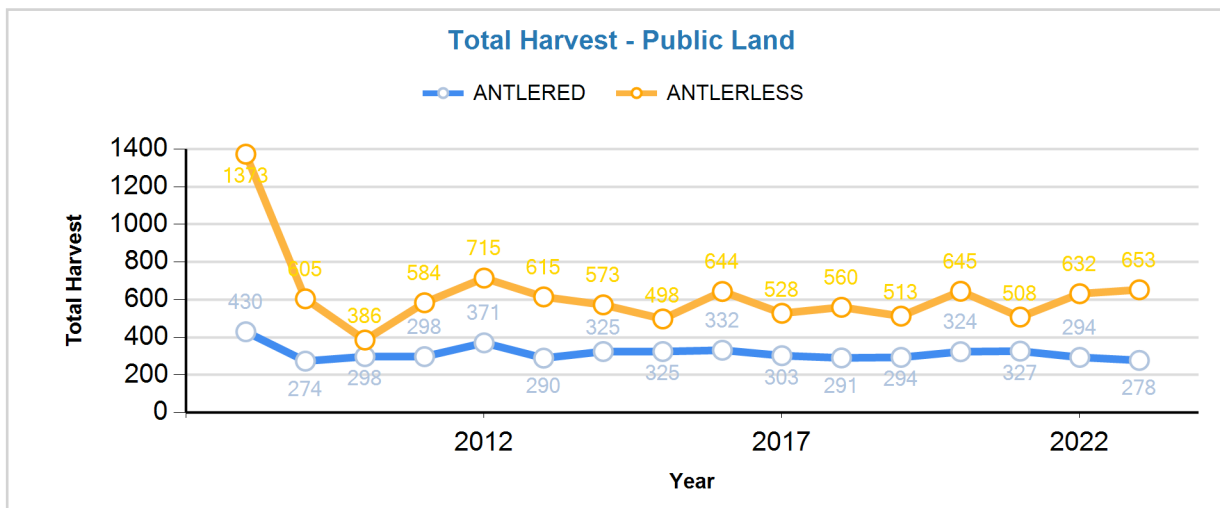
\* Tribal and Youth Antlerless data are included in above totals where they apply

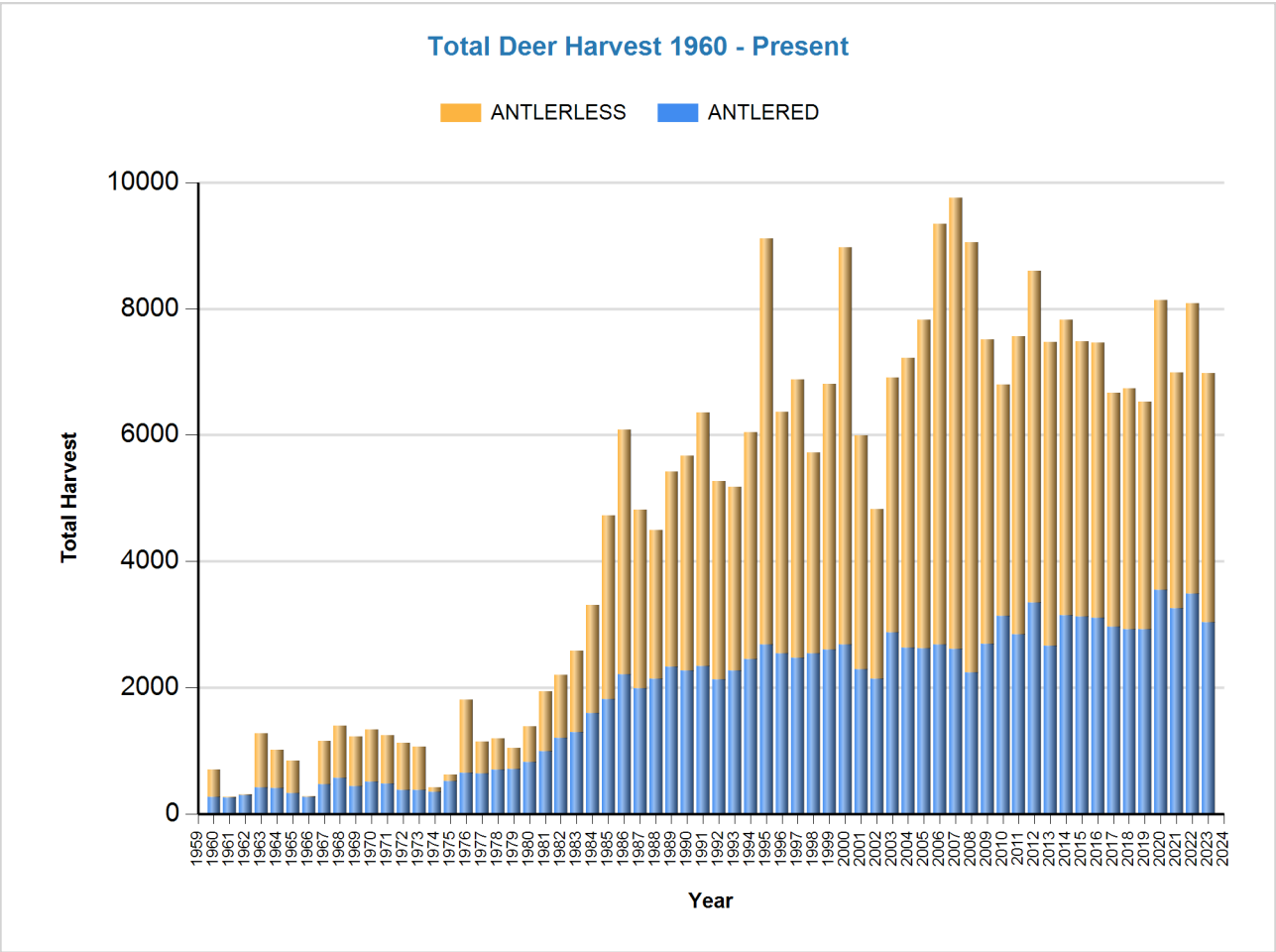


## Total Harvest for Dunn County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	325	325	332	303	291	294	324	327	294	278
Antlerless	576	498	644	528	560	513	645	508	632	653
Total	901	823	976	831	851	807	969	835	926	931
<b>Gun</b>										
Antlered	219	204	214	190	202	168	176	168	171	151
Antlerless	429	380	476	363	416	379	455	337	446	515
Total	648	584	690	553	618	547	631	505	617	666
<b>Bow</b>										
Antlered	78	82	70	62	48	74	83	89	65	67
Antlerless	106	76	110	91	90	59	103	85	91	70
Total	184	158	180	153	138	133	186	174	156	137
<b>Crossbow</b>										
Antlered	28	39	48	51	41	52	65	68	58	60
Antlerless	41	42	58	74	54	75	87	86	95	68
Total	69	81	106	125	95	127	152	154	153	128
<b>Tribal*</b>										
Antlered	0	0	0	0	0	0	0	2	0	0
Antlerless	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	2	0	0
<b>Youth Antlerless*</b>										
Antlerless	0	0	33	26	21	9	20	7	15	13

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

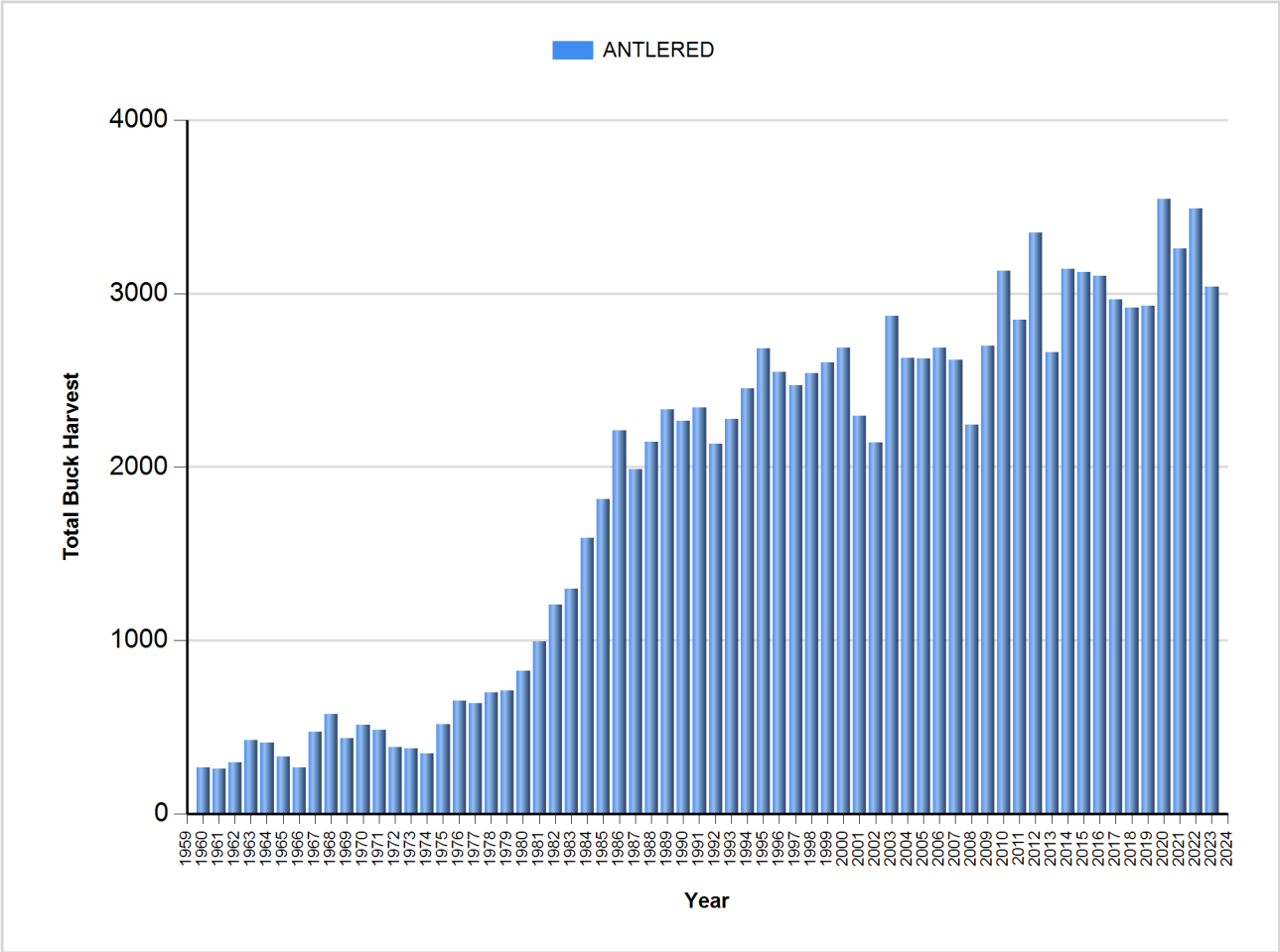




Total Buck Harvest 1960 - Present

Historic High: 2020 - 3,547

Historic Low: 1961 - 258



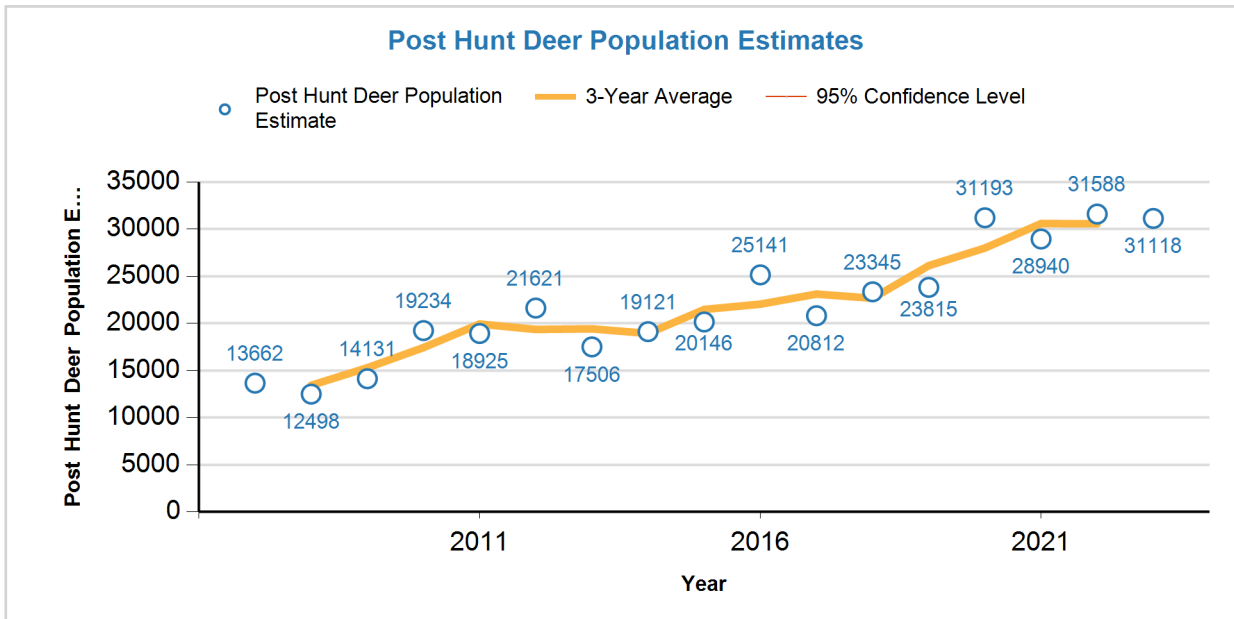
**Antlerless Tag Issuance & Success for Dunn County - Central Farmland**

Year	2020	2021	2022	2023
<b>Farmland - Public</b>				
Issued	6,973	6,855	6,652	6,476
Killed	581	468	559	445
Success Rate (%)	8.3	6.8	8.4	6.9
<b>Farmland - Private</b>				
Issued	25,493	25,131	25,140	24,556
Killed	3,356	2,645	3,323	2,793
Success Rate (%)	13.2	10.5	13.2	11.4
<b>Farmland - Total</b>				
Issued	32,466	31,986	31,792	31,032
Killed	3,937	3,113	3,882	3,238
Success Rate (%)	12.1	9.7	12.2	10.4
<b>Bonus- Public</b>				
Available	250	250	300	300
Issued	250	250	300	301
Killed	30	29	50	41
Success Rate (%)	12.0	11.6	16.7	13.6
<b>Bonus- Private</b>				
Available	2,500	3,000	3,000	3,000
Issued	1,174	1,198	1,103	1,117
Killed	230	220	232	241
Success Rate (%)	19.6	18.4	21.0	21.6
<b>Bonus- Total</b>				
Available	2,750	3,250	3,300	3,300
Issued	1,424	1,448	1,403	1,418
Killed	260	249	282	282
Success Rate (%)	18.3	17.2	20.1	19.9



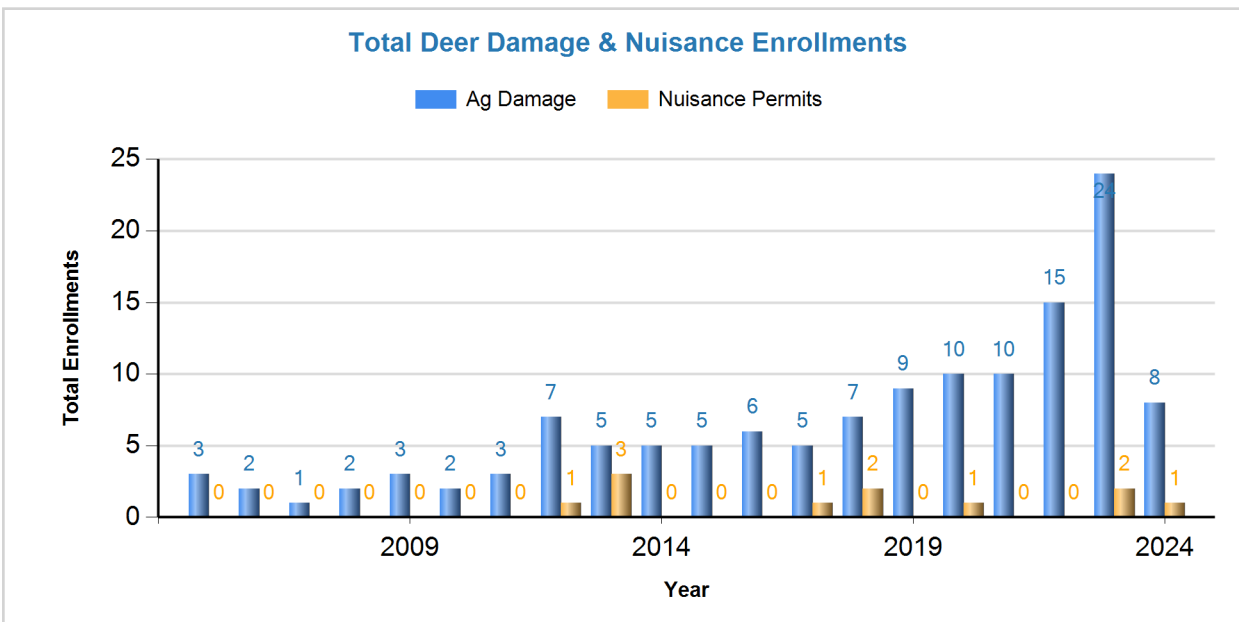
## Herd Abundance

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

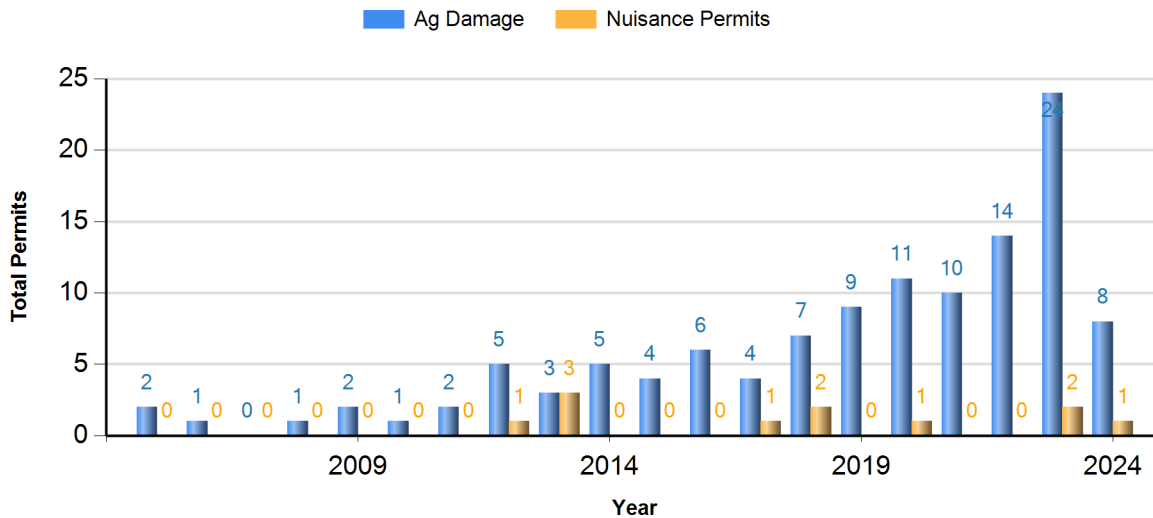


## Deer Impacts – Agriculture & Nuisance Impacts

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



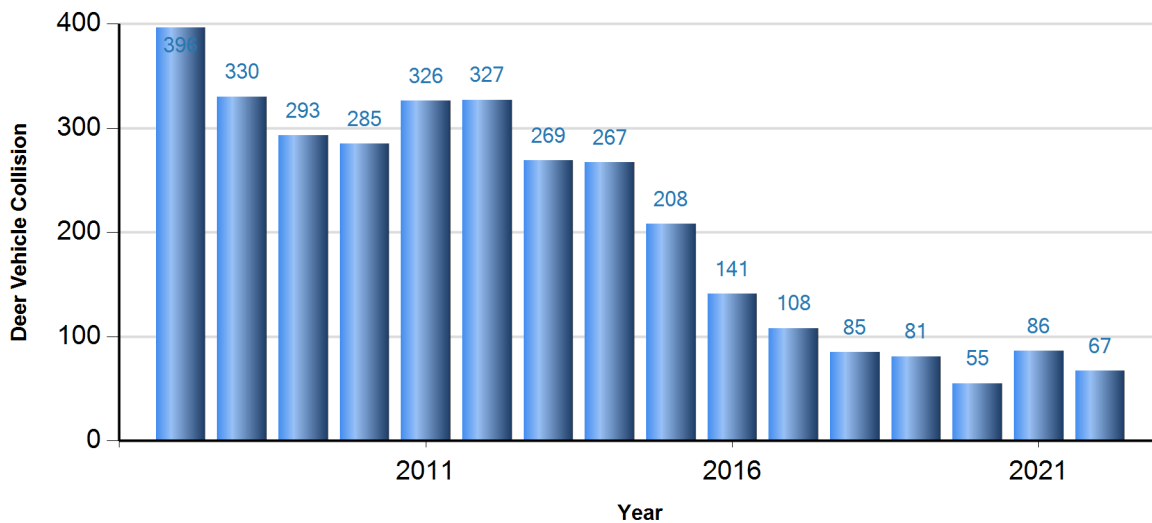
### Total Deer Damage & Nuisance Shooting Permits Issued



### 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

