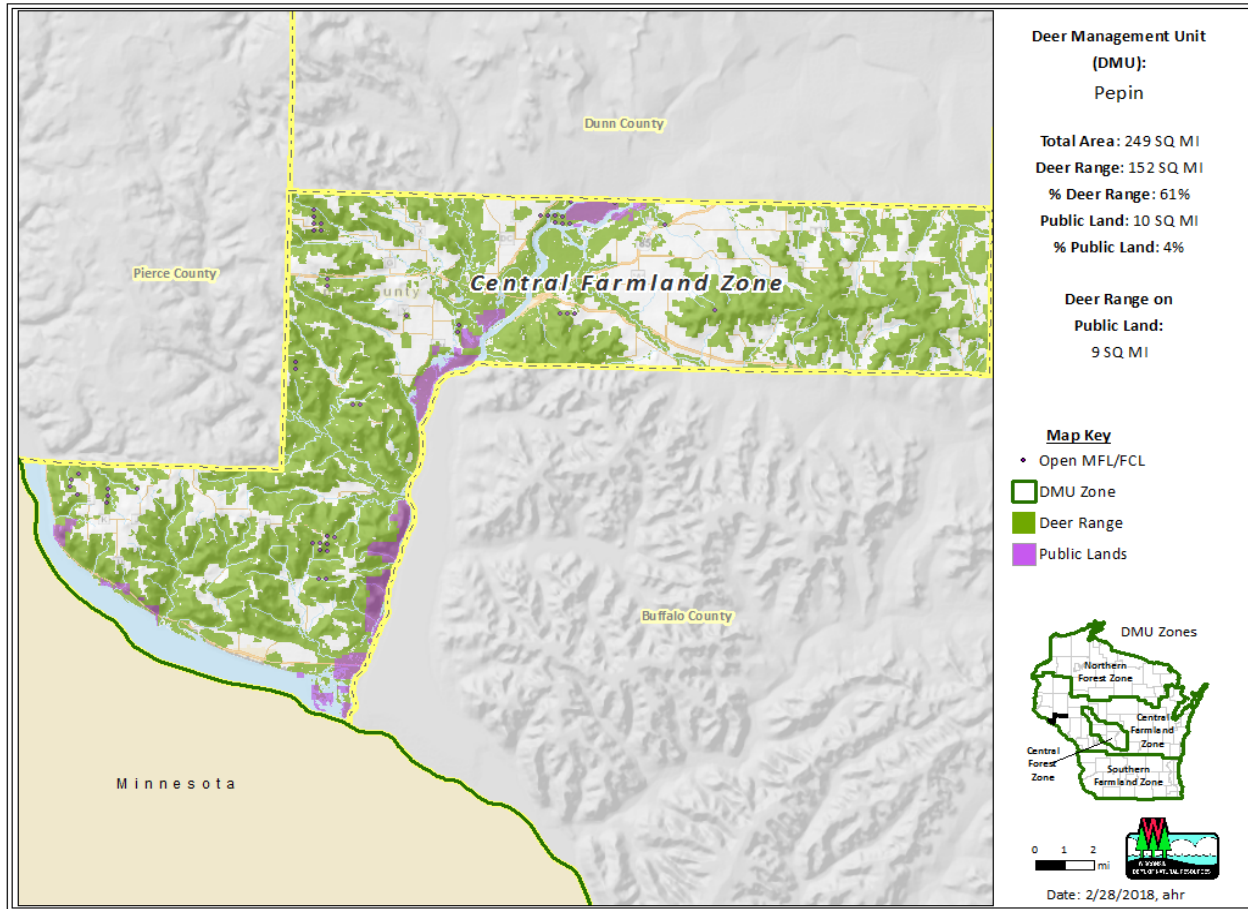


# Pepin County Deer Metrics Report

## Spring of 2024

### Management Unit:



### Manager's Note:

The Pepin County Deer Management Unit is located in the Central Farmland Zone. Approximately 66 percent of the unit is considered suitable deer range. The unit is comprised of mostly privately owned landownership. Habitat in the unit is diverse and comprised of mixed-hardwood woods with interspersed agriculture and floodplain forests associated with the Chippewa and Mississippi Rivers. The predominant topography in the unit consists of ridges and valleys including the “Lima Ridge” in the eastern portion of the unit and the bluffs overlooking the Chippewa and Mississippi Rivers to the south and southwest of Durand. Public hunting lands in the unit include portions of the Lower Chippewa River and Nine-Mile Island State Natural Areas, Maiden Rock Bluff State Natural Area (248 acres), Lake Pepin Wildlife Area (182 acres) and a portion of the Tiffany Wildlife Area (roughly 2,100 acres of the 13,000 acre property total). The general deer population trend in Pepin County has been increasing. It is important to maintain an adequate antlerless harvest to avoid excessive herd growth and agricultural damage. 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

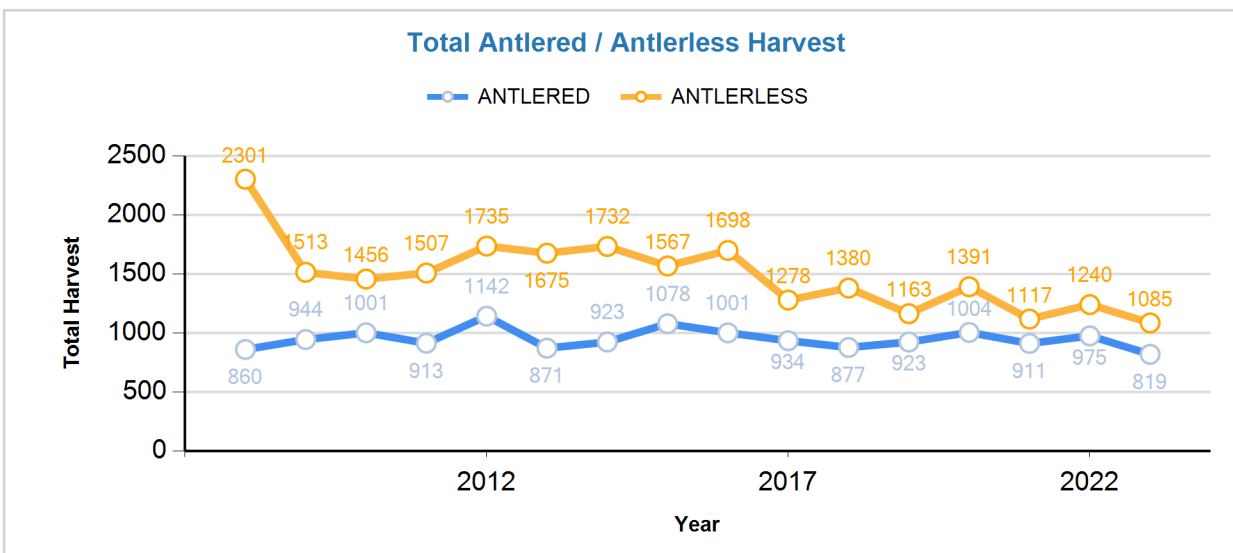
Total Area of Unit (Sq. Miles): 248.70

Deer Range of Unit (Sq. Miles): 152.10

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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	923	1078	1001	934	877	923	1004	911	975	819
Antlerless	1752	1567	1698	1278	1380	1163	1391	1117	1240	1085
Total	2675	2645	2699	2212	2257	2086	2395	2028	2215	1904
<b>Gun</b>										
Antlered	638	740	667	623	595	565	597	551	625	501
Antlerless	1407	1240	1390	1022	1098	920	1121	891	978	856
Total	2045	1980	2057	1645	1693	1485	1718	1442	1603	1357
<b>Bow</b>										
Antlered	190	199	180	159	125	155	174	156	157	138
Antlerless	232	195	174	125	140	127	124	110	117	102
Total	422	394	354	284	265	282	298	266	274	240
<b>Crossbow</b>										
Antlered	95	139	154	152	157	203	233	204	193	180
Antlerless	113	132	134	131	142	116	146	116	145	127
Total	208	271	288	283	299	319	379	320	338	307
<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	81	66	75	41	70	42	48	50

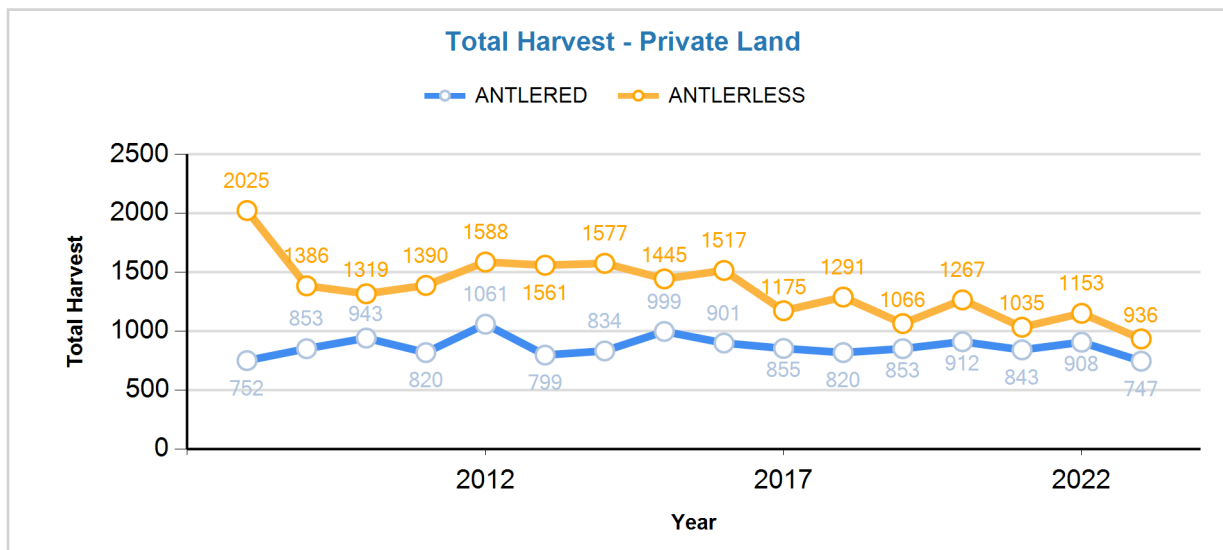
\* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	834	999	901	855	820	853	912	843	908	747
Antlerless	1595	1445	1517	1175	1291	1066	1267	1035	1153	936
Total	2429	2444	2418	2030	2111	1919	2179	1878	2061	1683
<b>Gun</b>										
Antlered	578	689	612	574	564	534	553	516	595	474
Antlerless	1292	1151	1255	940	1026	844	1021	824	916	727
Total	1870	1840	1867	1514	1590	1378	1574	1340	1511	1201
<b>Bow</b>										
Antlered	163	174	148	135	109	133	138	131	132	109
Antlerless	198	168	140	112	128	111	109	100	98	90
Total	361	342	288	247	237	244	247	231	230	199
<b>Crossbow</b>										
Antlered	93	136	141	146	147	186	221	196	181	164
Antlerless	105	126	122	123	137	111	137	111	139	119
Total	198	262	263	269	284	297	358	307	320	283
<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	77	64	73	41	67	42	48	49

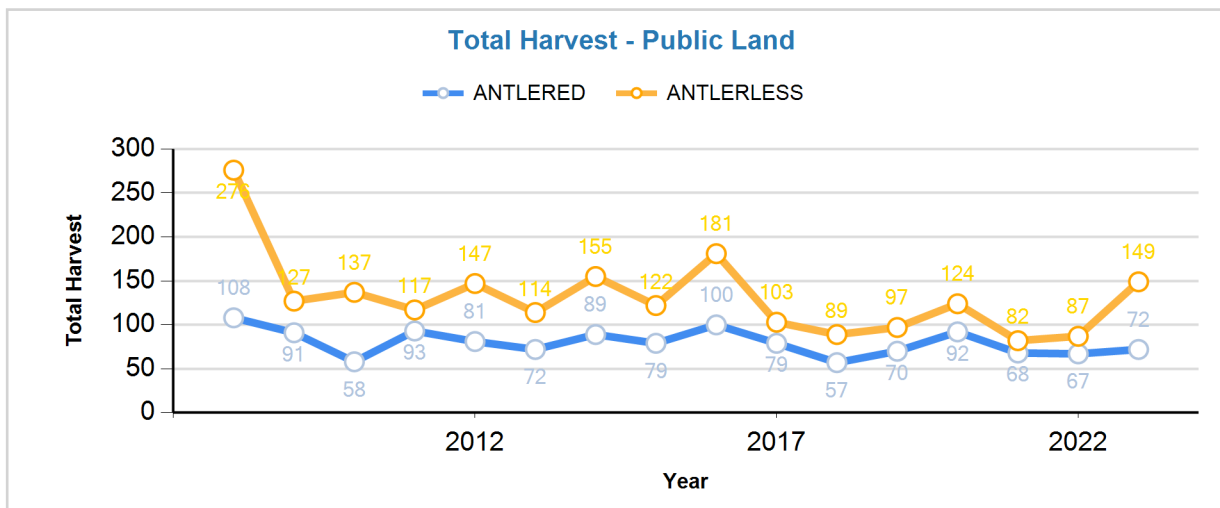
\* Tribal and Youth Antlerless data are included in above totals where they apply



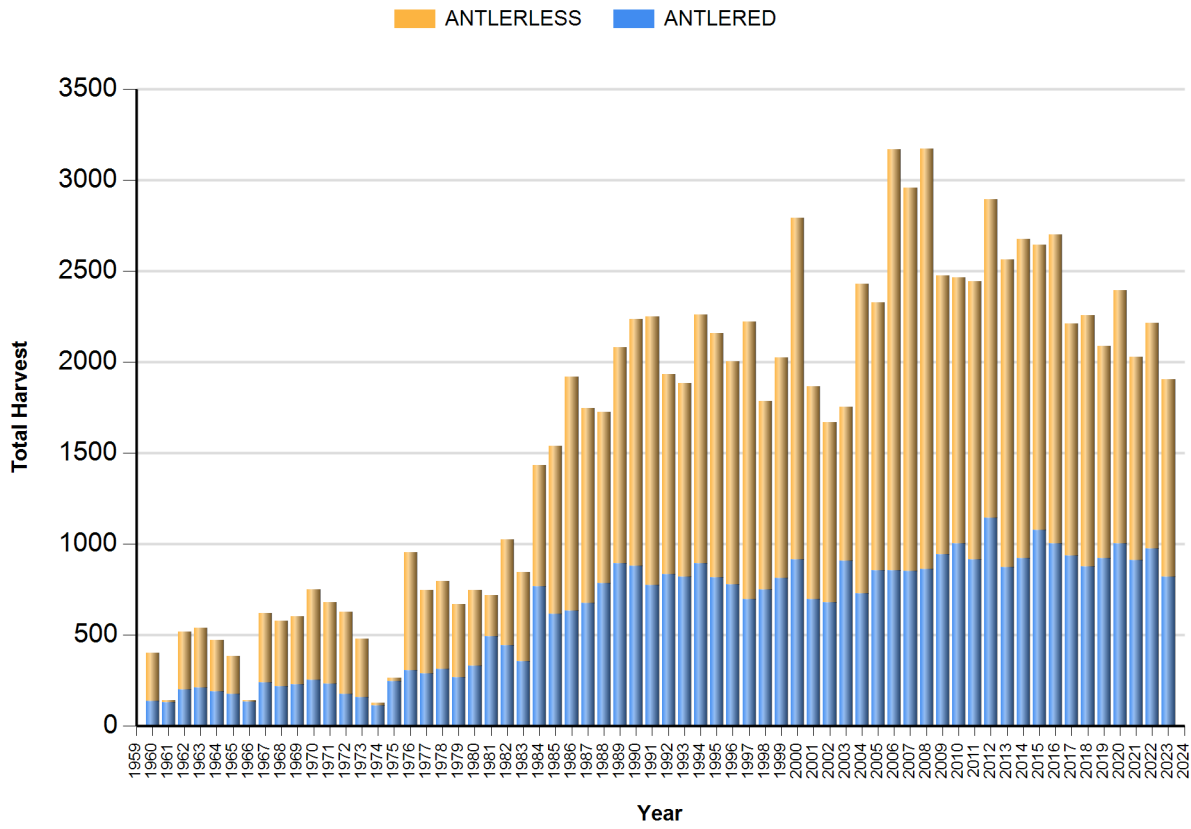
**Total Harvest for Pepin County - Central Farmland Management Zone - Public Land**

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	89	79	100	79	57	70	92	68	67	72
Antlerless	157	122	181	103	89	97	124	82	87	149
Total	246	201	281	182	146	167	216	150	154	221
<b>Gun</b>										
Antlered	60	51	55	49	31	31	44	35	30	27
Antlerless	115	89	135	82	72	76	100	67	62	129
Total	175	140	190	131	103	107	144	102	92	156
<b>Bow</b>										
Antlered	27	25	32	24	16	22	36	25	25	29
Antlerless	34	27	34	13	12	16	15	10	19	12
Total	61	52	66	37	28	38	51	35	44	41
<b>Crossbow</b>										
Antlered	2	3	13	6	10	17	12	8	12	16
Antlerless	8	6	12	8	5	5	9	5	6	8
Total	10	9	25	14	15	22	21	13	18	24
<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	4	2	2	0	3	0	0	1

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



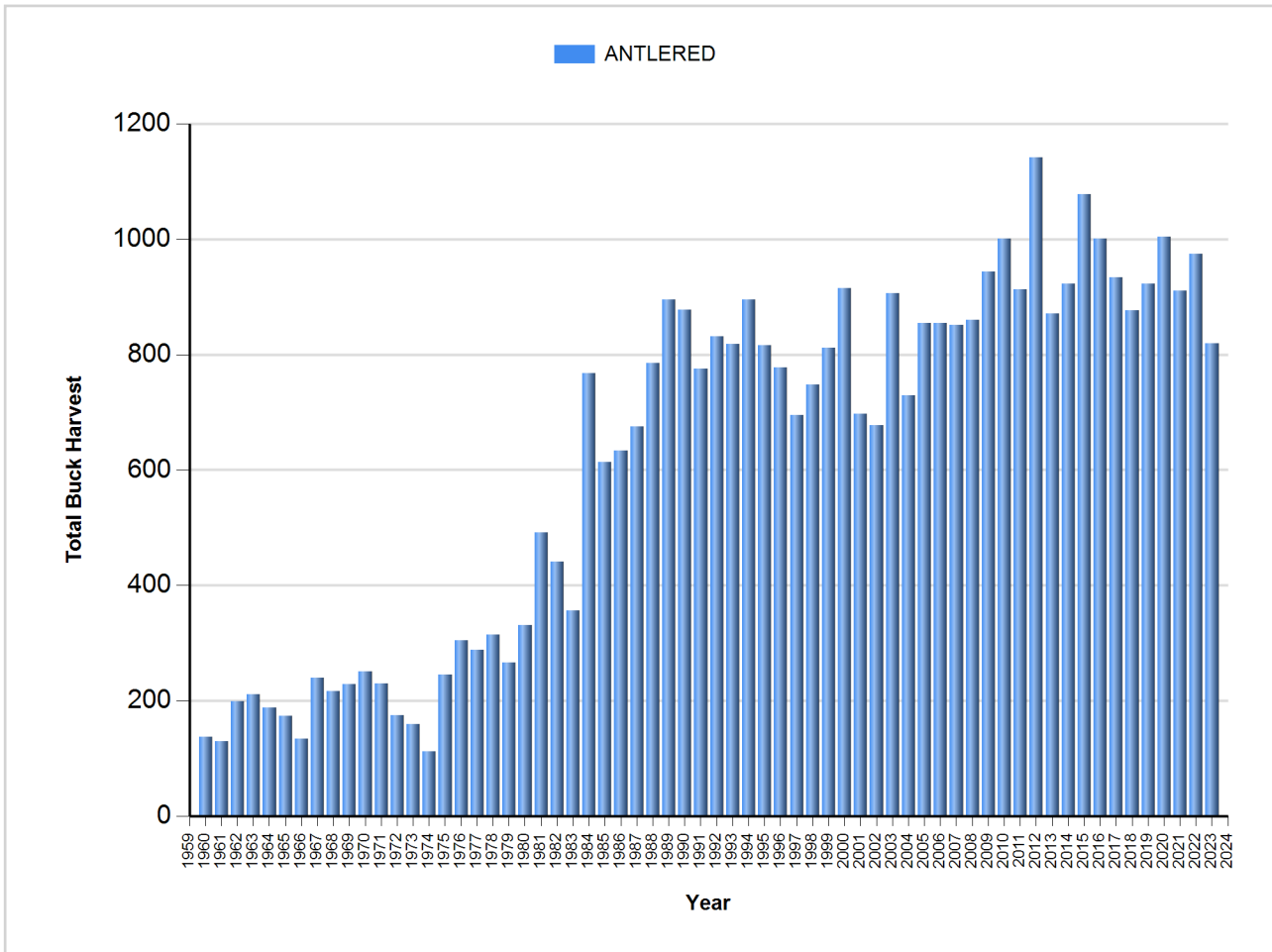
### Total Deer Harvest 1960 - Present



### Total Buck Harvest 1960 - Present

Historic High: 2012 - 1,142

Historic Low: 1974 - 112



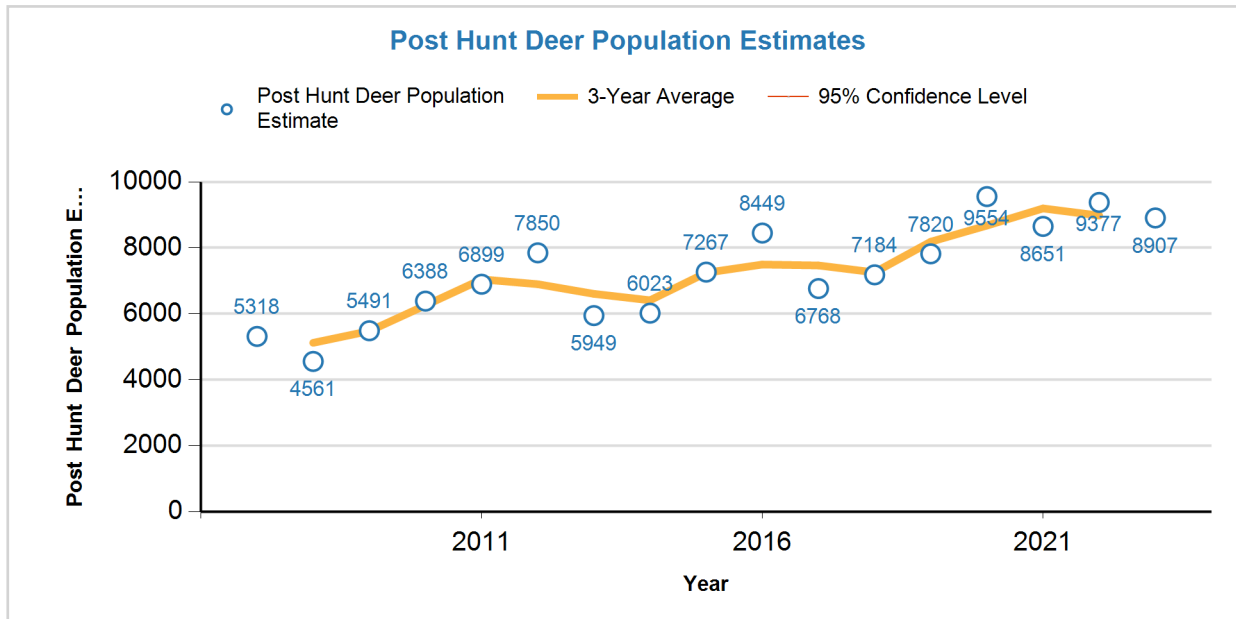
**Antlerless Tag Issuance & Success for Pepin County - Central Farmland**

Year	2020	2021	2022	2023
<b>Farmland - Public</b>				
Issued	1,198	1,146	1,173	1,151
Killed	103	70	78	74
Success Rate (%)	8.6	6.1	6.6	6.4
<b>Farmland - Private</b>				
Issued	7,314	7,444	7,279	7,245
Killed	1,111	921	1,040	889
Success Rate (%)	15.2	12.4	14.3	12.3
<b>Farmland - Total</b>				
Issued	8,512	8,590	8,452	8,396
Killed	1,214	991	1,118	963
Success Rate (%)	14.3	11.5	13.2	11.5
<b>Bonus- Public</b>				
Available	150	150	150	150
Issued	116	129	101	134
Killed	16	11	8	10
Success Rate (%)	13.8	8.5	7.9	7.5
<b>Bonus- Private</b>				
Available	900	900	900	900
Issued	311	286	280	264
Killed	78	48	48	48
Success Rate (%)	25.1	16.8	17.1	18.2
<b>Bonus- Total</b>				
Available	1,050	1,050	1,050	1,050
Issued	427	415	381	398
Killed	94	59	56	58
Success Rate (%)	22.0	14.2	14.7	14.6



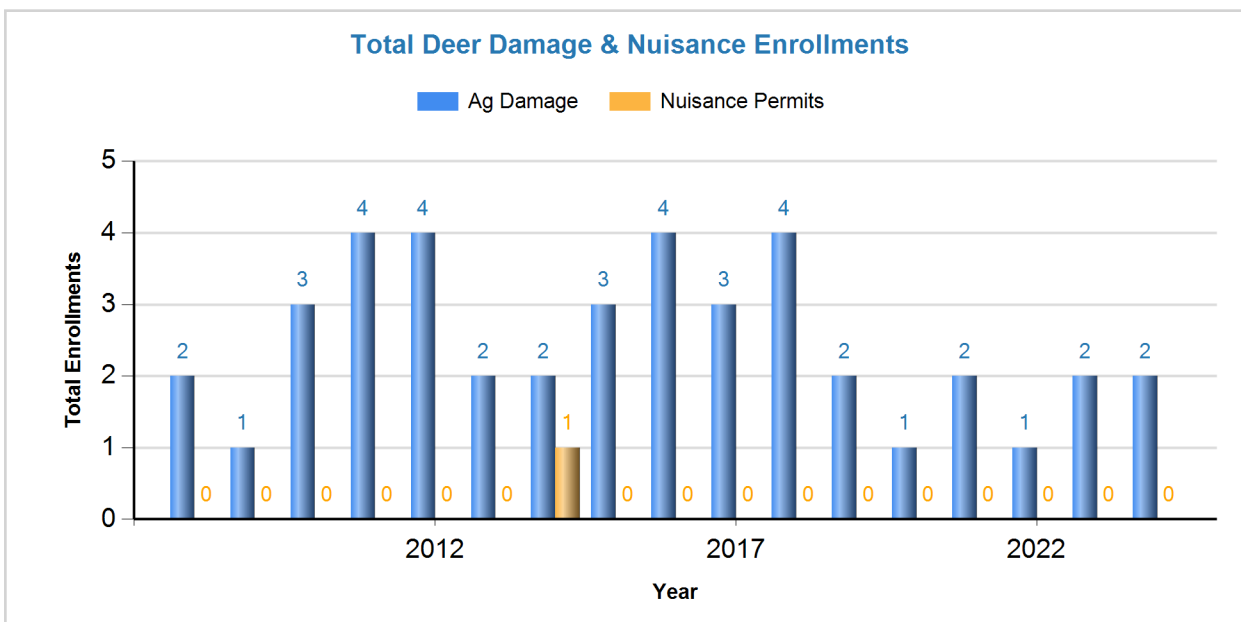
## Herd Abundance

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

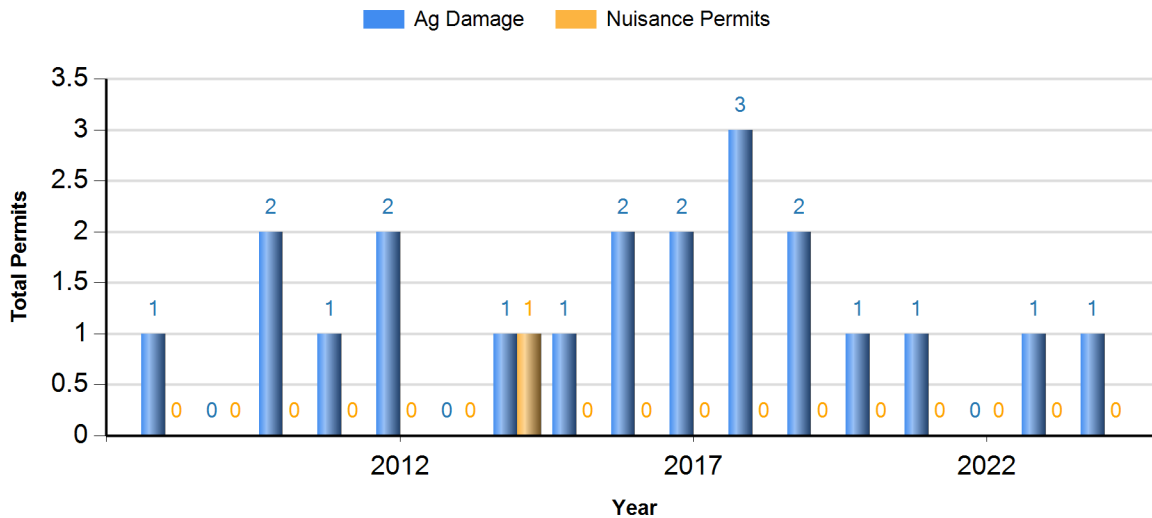


## Deer Impacts – Agriculture & Nuisance Impacts

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



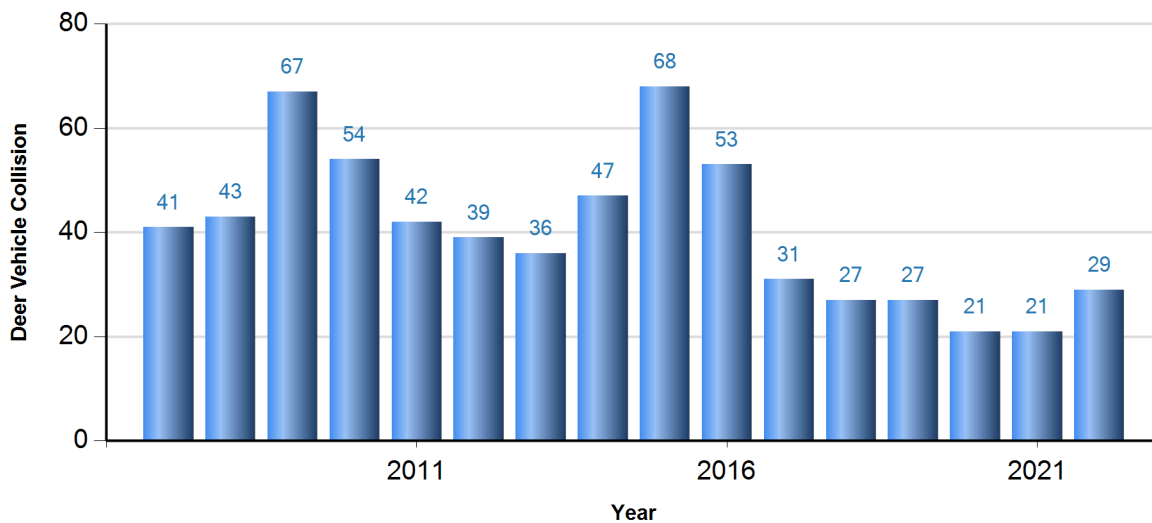
### Total Deer Damage & Nuisance Shooting Permits Issued



### 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

