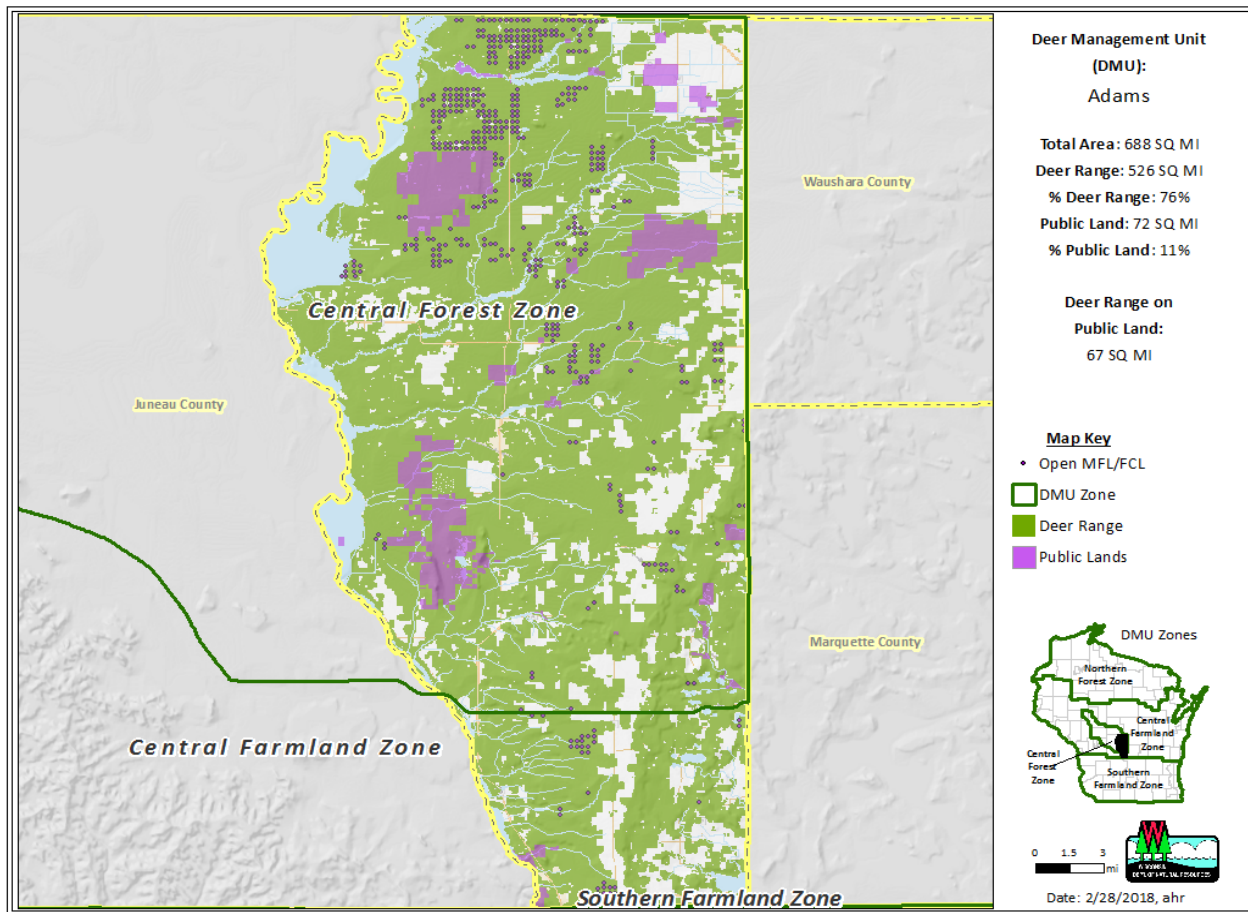


# Adams County Deer Metrics Report

## Spring of 2024

### Management Unit:



### Manager's Note:

The Adams County Deer Management Unit is divided by Highway 82 in which the area south of Highway 82 is located in the Central Farmland Zone and the area north of the Highway 82 is located in the Central Forest Zone. Approximately 72 percent of the unit is considered suitable deer range. The habitat quality varies greatly across both zones leading to high variability in deer distribution. Habitat is more productive for deer in the Central Farmland Zone portions of the unit where crop fields and a more productive forestland are intermixed. Because of a higher deer reproductive capacity in this zone, a significant deer population exists providing many hunting opportunities on private lands, which make up 96 percent of all land area in the unit. In the Central Forest Zone portions of the unit, large forest blocks and expansive irrigated fields are found. These areas are typically less productive but still manage to produce a moderate deer population with antlerless harvest opportunities offered in most years. Almost all of the public hunting land in the county is found in the Central Forest Zone and includes Leola Wildlife Area, Colburn Wildlife Area, Lawrence Creek Fish and Wildlife Area and Quincy Bluff and Wetlands State Natural Area. In addition to the public lands mentioned, private lands enrolled in Managed Forest Law or Voluntary Public Access programs provide public hunting access and opportunities as well. No matter what area you are hunting, harvest possibilities are increased with pre-season scouting. The current deer herd management objectives are to maintain the population within Central Forest Zone portions and to maintain the population in the Central Farmland Zone portions of the unit. Chronic Wasting Disease (CWD) has been detected in wild deer in Adams County since 2012, and continues to be an important factor regarding deer management in this unit.

## *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 Forest Management Zone**

Total Area of Unit (Sq. Miles): 585.00

Deer Range of Unit (Sq. Miles): 451.80

### **Central Farmland Management Zone**

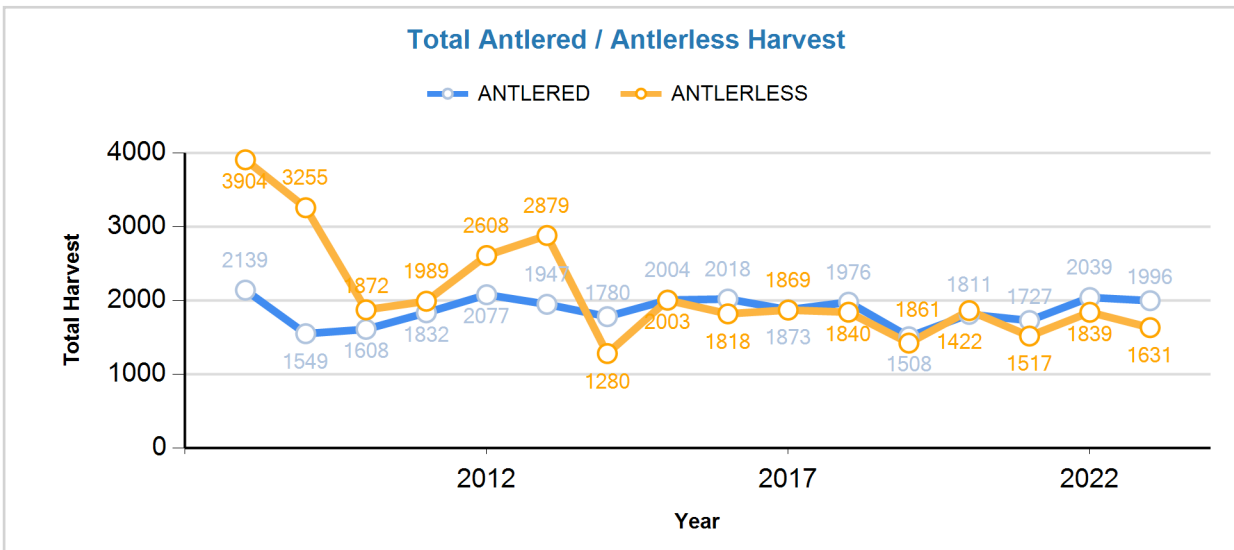
Total Area of Unit (Sq. Miles): 103.10

Deer Range of Unit (Sq. Miles): 74.40

## Total Harvest for Adams County - Central Forest Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	1780	2004	2018	1873	1976	1508	1811	1727	2039	1996
Antlerless	1299	2003	1818	1869	1840	1422	1861	1517	1839	1631
Total	3079	4007	3836	3742	3816	2930	3672	3244	3878	3627
<b>Gun</b>										
Antlered	1203	1287	1333	1180	1320	870	1027	936	1292	1163
Antlerless	990	1530	1382	1443	1427	1043	1351	1104	1360	1231
Total	2193	2817	2715	2623	2747	1913	2378	2040	2652	2394
<b>Bow</b>										
Antlered	359	386	328	303	285	250	288	266	252	279
Antlerless	167	260	201	178	182	157	190	147	141	150
Total	526	646	529	481	467	407	478	413	393	429
<b>Crossbow</b>										
Antlered	218	331	357	390	371	388	496	525	495	554
Antlerless	142	213	235	248	231	222	320	266	338	250
Total	360	544	592	638	602	610	816	791	833	804
<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	218	172	147	97	142	98	112	106

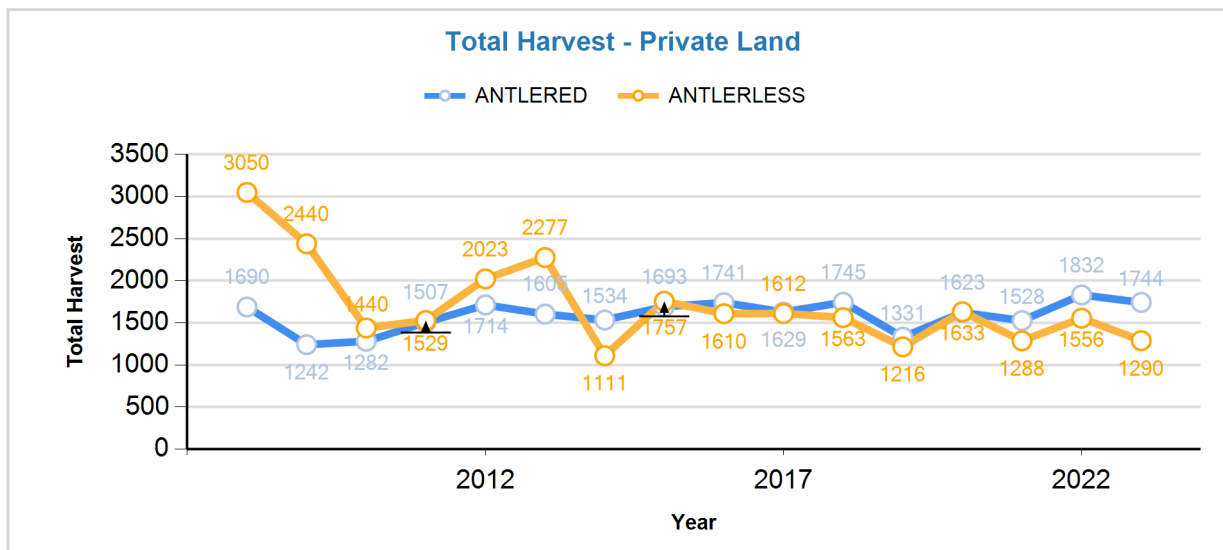
\* Tribal and Youth Antlerless data are included in above totals where they apply



## Total Harvest for Adams County - Central Forest Management Zone - Private Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	1534	1693	1741	1629	1745	1331	1623	1528	1832	1744
Antlerless	1126	1757	1610	1612	1563	1216	1633	1288	1556	1290
Total	2660	3450	3351	3241	3308	2547	3256	2816	3388	3034
<b>Gun</b>										
Antlered	1041	1077	1148	1019	1168	764	926	826	1157	1019
Antlerless	848	1332	1204	1253	1215	894	1178	943	1141	959
Total	1889	2409	2352	2272	2383	1658	2104	1769	2298	1978
<b>Bow</b>										
Antlered	296	328	275	259	242	212	251	230	218	230
Antlerless	142	227	192	140	153	124	172	118	118	121
Total	438	555	467	399	395	336	423	348	336	351
<b>Crossbow</b>										
Antlered	197	288	318	351	335	355	446	472	457	495
Antlerless	136	198	214	219	195	198	283	227	297	210
Total	333	486	532	570	530	553	729	699	754	705
<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	189	151	124	89	127	86	101	100

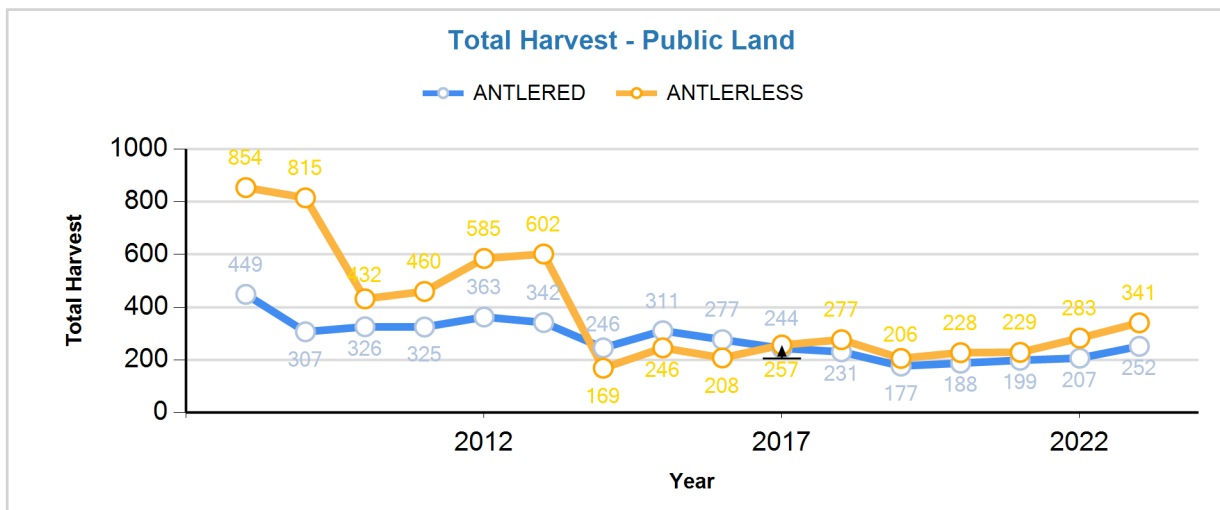
\* Tribal and Youth Antlerless data are included in above totals where they apply



## Total Harvest for Adams County - Central Forest Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	246	311	277	244	231	177	188	199	207	252
Antlerless	173	246	208	257	277	206	228	229	283	341
Total	419	557	485	501	508	383	416	428	490	593
<b>Gun</b>										
Antlered	162	210	185	161	152	106	101	110	135	144
Antlerless	142	198	178	190	212	149	173	161	219	272
Total	304	408	363	351	364	255	274	271	354	416
<b>Bow</b>										
Antlered	63	58	53	44	43	38	37	36	34	49
Antlerless	25	33	9	38	29	33	18	29	23	29
Total	88	91	62	82	72	71	55	65	57	78
<b>Crossbow</b>										
Antlered	21	43	39	39	36	33	50	53	38	59
Antlerless	6	15	21	29	36	24	37	39	41	40
Total	27	58	60	68	72	57	87	92	79	99
<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	29	21	23	8	15	12	11	6

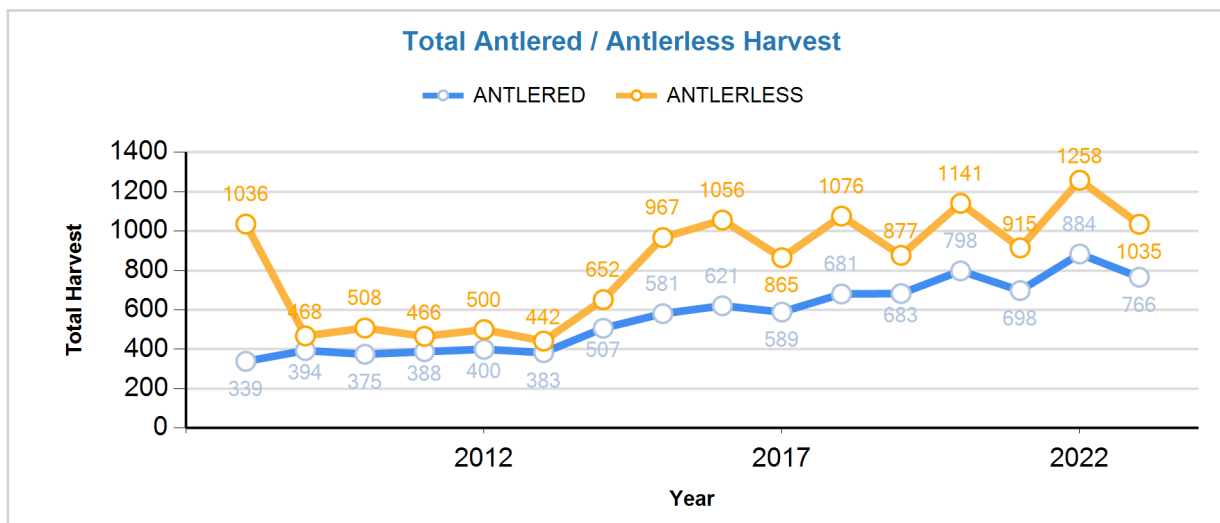
\* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	507	581	621	589	681	683	798	698	884	766
Antlerless	662	967	1056	865	1076	877	1141	915	1258	1035
Total	1169	1548	1677	1454	1757	1560	1939	1613	2142	1801
<b>Gun</b>										
Antlered	346	360	419	419	469	387	450	402	565	442
Antlerless	477	735	834	646	797	606	788	679	927	753
Total	823	1095	1253	1065	1266	993	1238	1081	1492	1195
<b>Bow</b>										
Antlered	101	126	110	82	100	126	149	101	106	113
Antlerless	114	144	115	102	111	107	118	95	109	93
Total	215	270	225	184	211	233	267	196	215	206
<b>Crossbow</b>										
Antlered	60	95	92	88	112	170	199	195	213	211
Antlerless	71	88	107	117	168	164	235	141	222	189
Total	131	183	199	205	280	334	434	336	435	400
<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	47	37	39	30	57	28	30	24

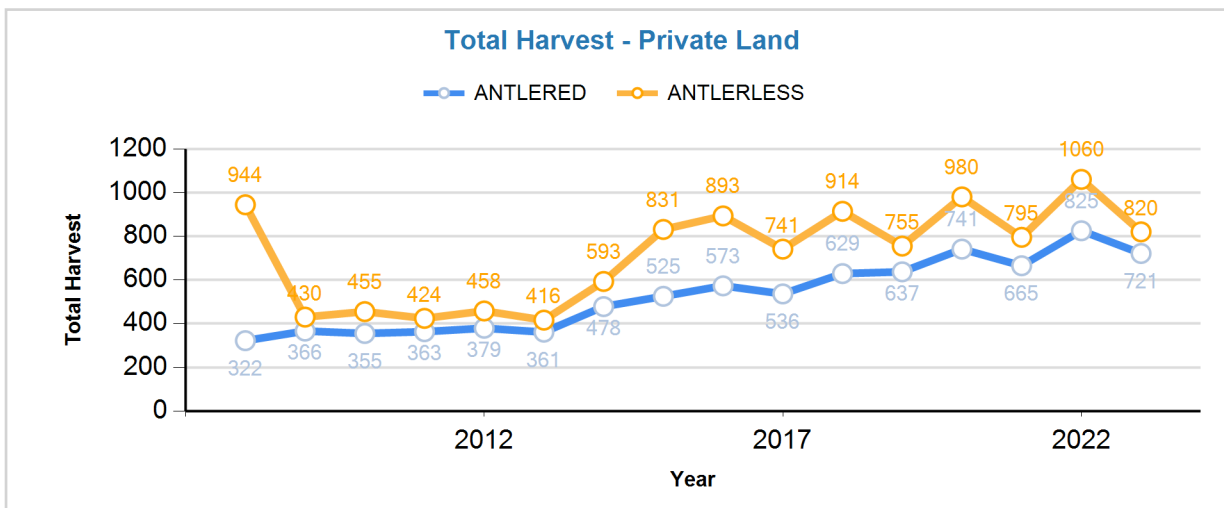
\* Tribal and Youth Antlerless data are included in above totals where they apply



**Total Harvest for Adams County - Central Farmland Management Zone - Private Land**

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	478	525	573	536	629	637	741	665	825	721
Antlerless	602	831	893	741	914	755	980	795	1060	820
Total	1080	1356	1466	1277	1543	1392	1721	1460	1885	1541
<b>Gun</b>										
Antlered	330	330	394	386	433	367	422	385	529	422
Antlerless	441	636	705	559	684	525	683	595	791	591
Total	771	966	1099	945	1117	892	1105	980	1320	1013
<b>Bow</b>										
Antlered	92	113	94	74	93	113	136	92	101	102
Antlerless	100	123	97	86	90	91	100	85	91	75
Total	192	236	191	160	183	204	236	177	192	177
<b>Crossbow</b>										
Antlered	56	82	85	76	103	157	183	188	195	197
Antlerless	61	72	91	96	140	139	197	115	178	154
Total	117	154	176	172	243	296	380	303	373	351
<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	35	35	33	28	52	25	29	22

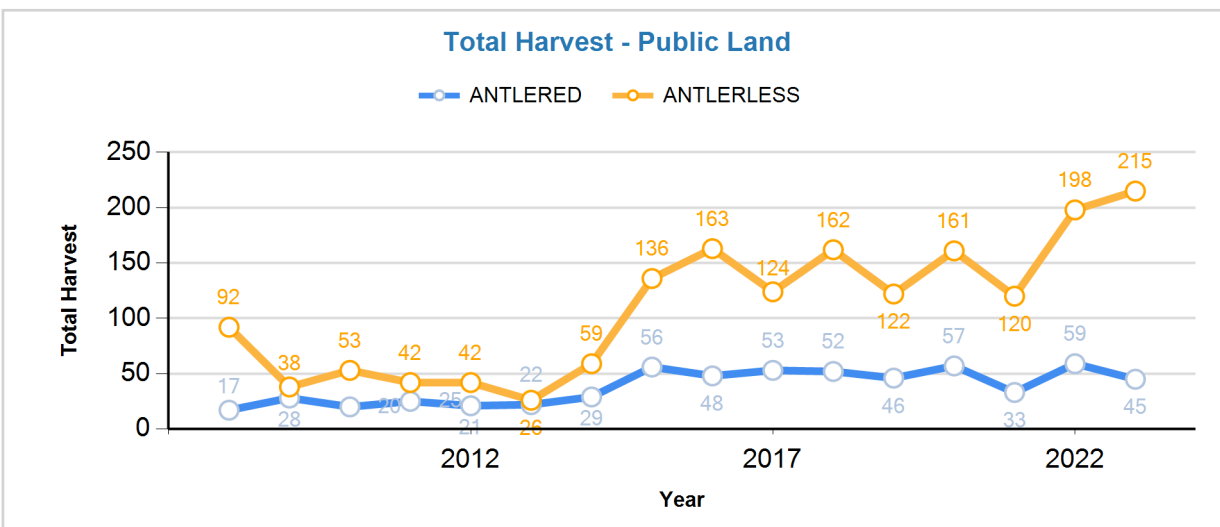
\* Tribal and Youth Antlerless data are included in above totals where they apply



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

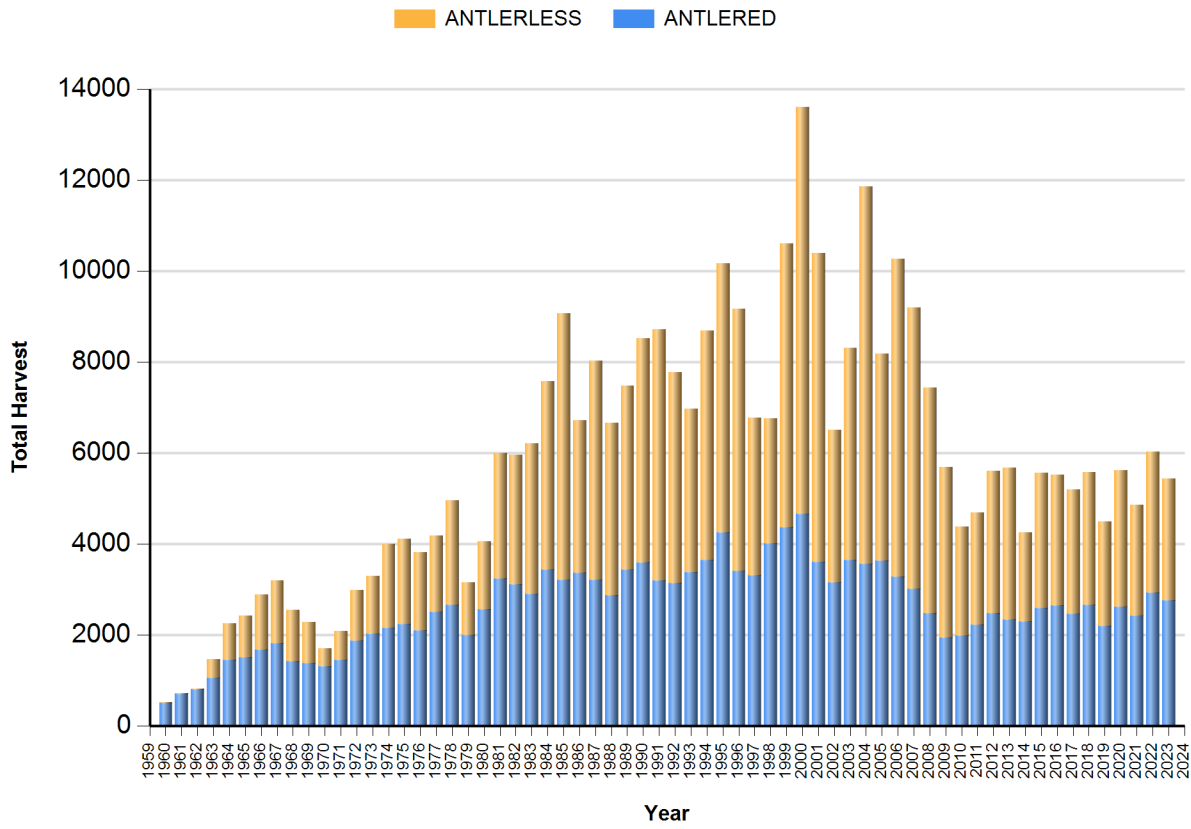
Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	29	56	48	53	52	46	57	33	59	45
Antlerless	60	136	163	124	162	122	161	120	198	215
Total	89	192	211	177	214	168	218	153	257	260
<b>Gun</b>										
Antlered	16	30	25	33	36	20	28	17	36	20
Antlerless	36	99	129	87	113	81	105	84	136	162
Total	52	129	154	120	149	101	133	101	172	182
<b>Bow</b>										
Antlered	9	13	16	8	7	13	13	9	5	11
Antlerless	14	21	18	16	21	16	18	10	18	18
Total	23	34	34	24	28	29	31	19	23	29
<b>Crossbow</b>										
Antlered	4	13	7	12	9	13	16	7	18	14
Antlerless	10	16	16	21	28	25	38	26	44	35
Total	14	29	23	33	37	38	54	33	62	49
<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	12	2	6	2	5	3	1	2

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





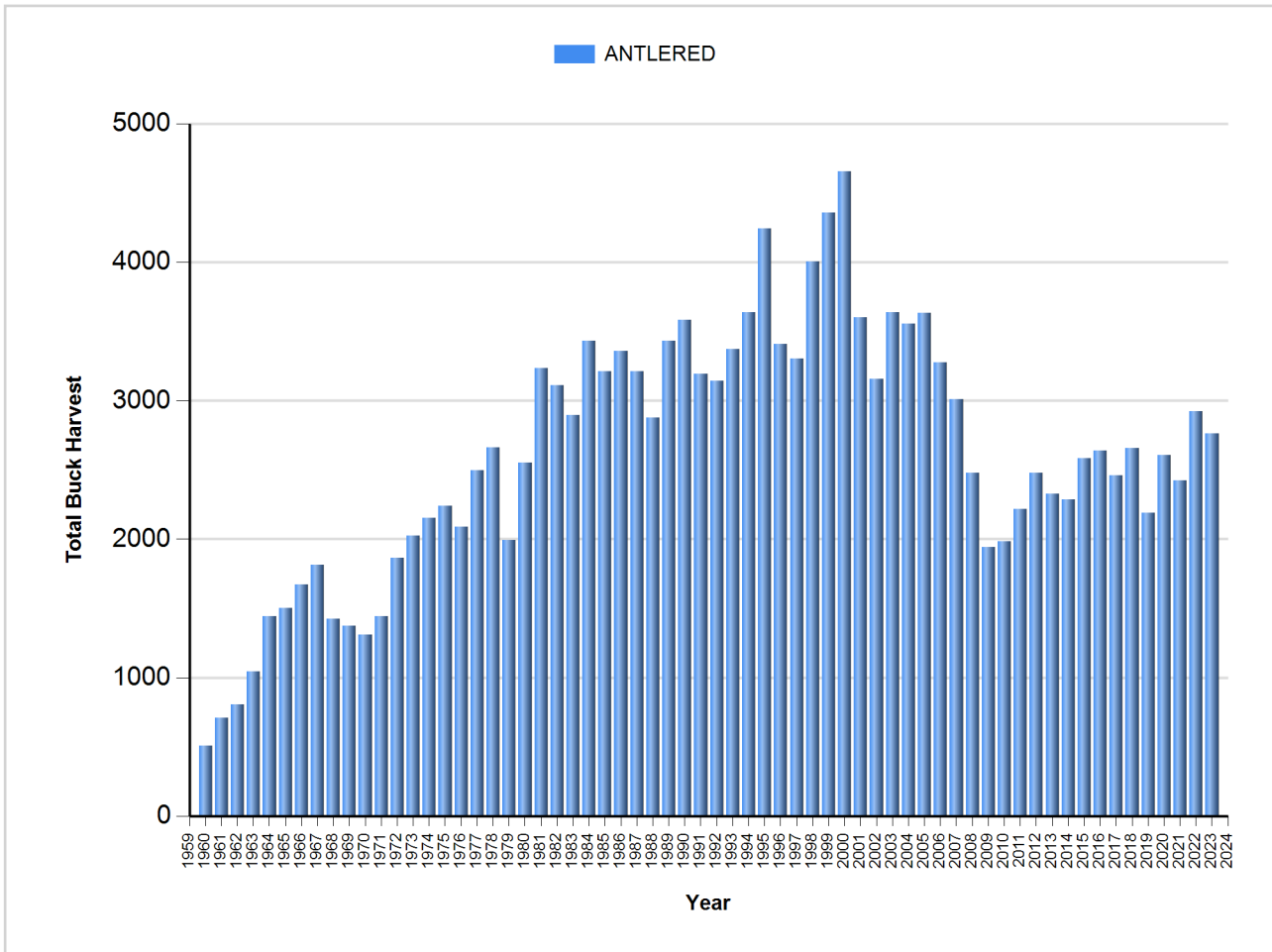
Total Deer Harvest 1960 - Present



### Total Buck Harvest 1960 - Present

Historic High: 2000 - 4,655

Historic Low: 1960 - 508



**Antlerless Tag Issuance & Success for Adams County - Central Forest**

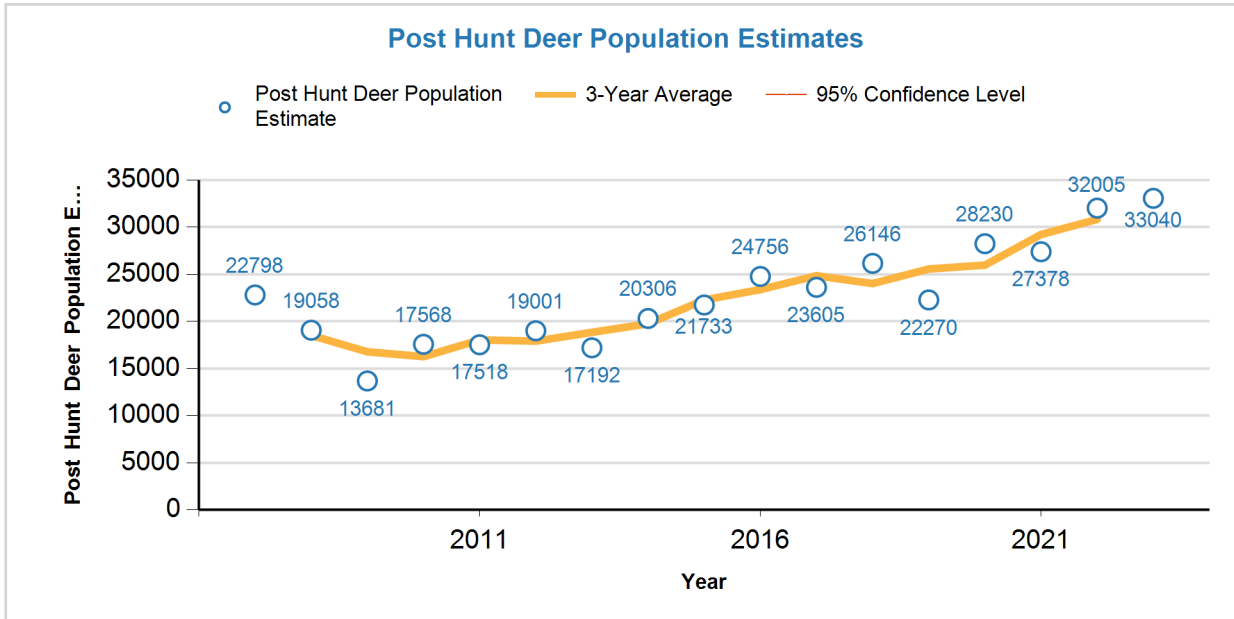
Year	2020	2021	2022	2023
<b>Farmland - Public</b>				
Issued				
Killed				
Success Rate (%)				
<b>Farmland - Private</b>				
Issued				
Killed				
Success Rate (%)				
<b>Farmland - Total</b>				
Issued				
Killed				
Success Rate (%)				
<b>Bonus- Public</b>				
Available	1,500	2,000	2,000	3,000
Issued	1,496	2,001	2,002	2,284
Killed	208	216	268	266
Success Rate (%)	13.9	10.8	13.4	11.6
<b>Bonus- Private</b>				
Available	6,500	7,000	7,000	7,000
Issued	6,422	5,991	5,880	5,726
Killed	1,423	1,133	1,372	1,160
Success Rate (%)	22.2	18.9	23.3	20.3
<b>Bonus- Total</b>				
Available	8,000	9,000	9,000	10,000
Issued	7,918	7,992	7,882	8,010
Killed	1,631	1,349	1,640	1,426
Success Rate (%)	20.6	16.9	20.8	17.8

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

Year	2020	2021	2022	2023
<b>Farmland - Public</b>				
Issued	4,736	4,465	6,696	6,512
Killed	147	108	185	145
Success Rate (%)	3.1	2.4	2.8	2.2
<b>Farmland - Private</b>				
Issued	13,288	12,855	18,630	18,904
Killed	829	694	958	786
Success Rate (%)	6.2	5.4	5.1	4.2
<b>Farmland - Total</b>				
Issued	18,024	17,320	25,326	25,416
Killed	976	802	1,143	931
Success Rate (%)	5.4	4.6	4.5	3.7
<b>Bonus- Public</b>				
Available	200	400	400	400
Issued	186	156	165	127
Killed	8	7	12	5
Success Rate (%)	4.3	4.5	7.3	3.9
<b>Bonus- Private</b>				
Available	1,200	3,100	3,100	3,100
Issued	451	447	449	427
Killed	70	45	45	47
Success Rate (%)	15.5	10.1	10.0	11.0
<b>Bonus- Total</b>				
Available	1,400	3,500	3,500	3,500
Issued	637	603	614	554
Killed	78	52	57	52
Success Rate (%)	12.2	8.6	9.3	9.4

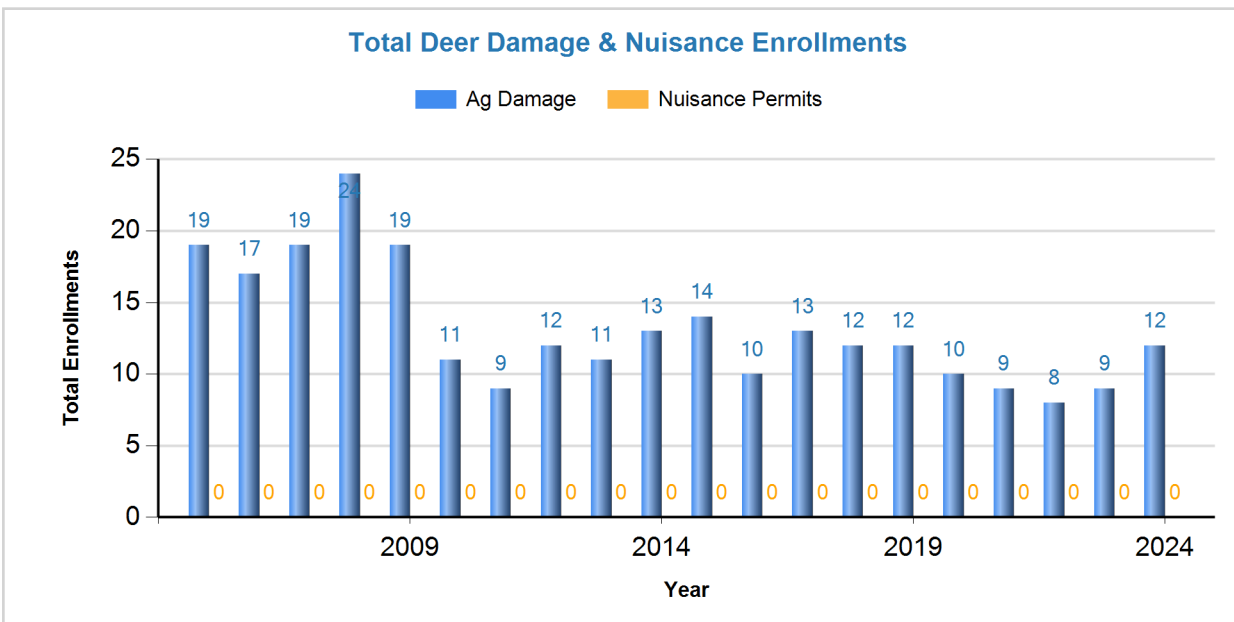
## Herd Abundance

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

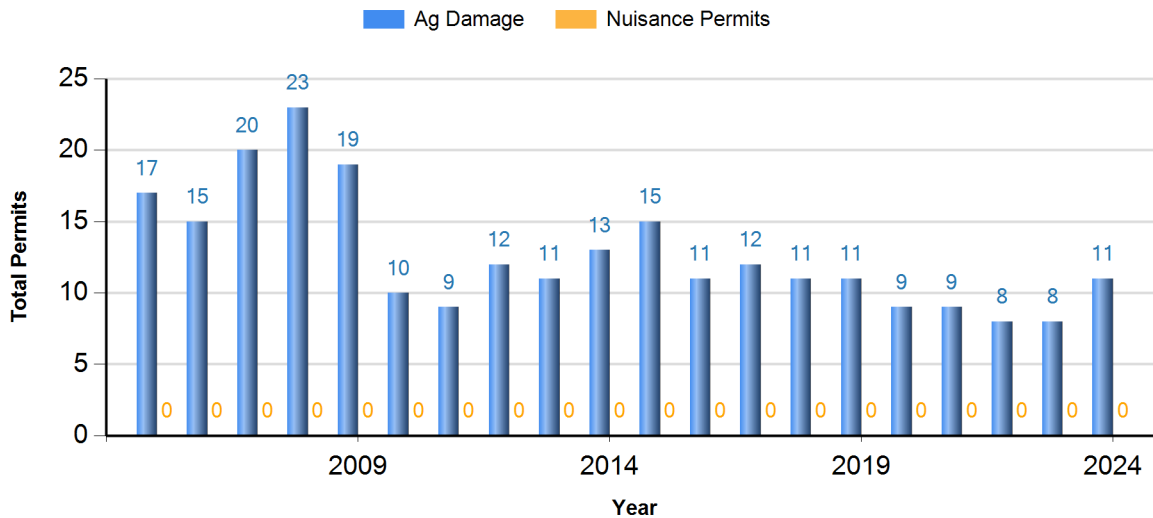


## Deer Impacts – Agriculture & Nuisance Impacts

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



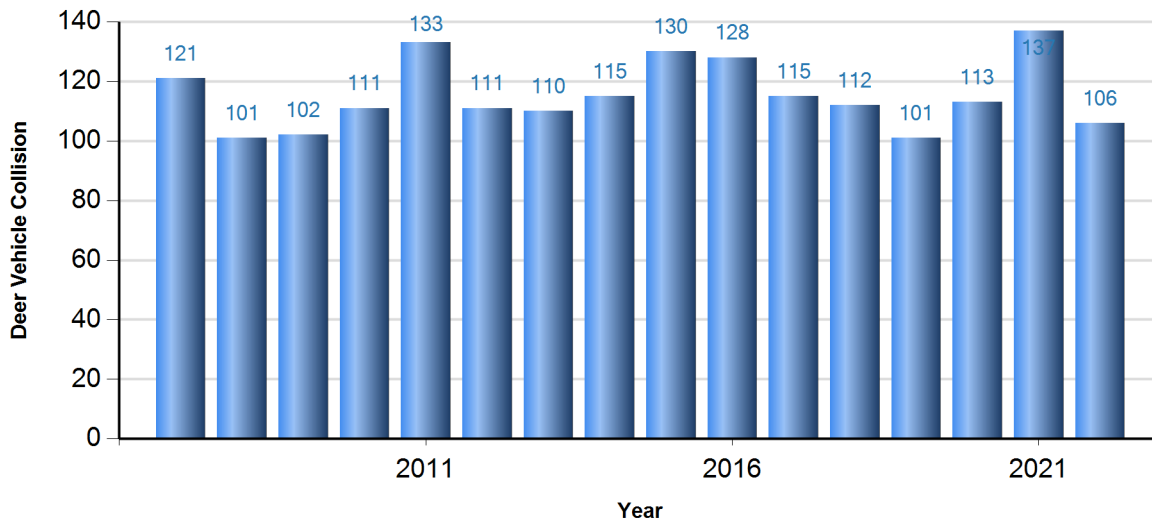
### Total Deer Damage & Nuisance Shooting Permits Issued



### 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

