

# 2018 Wisconsin Deer Hunting Summary

By Brian Dhuey and Kevin Wallenfang

## 2018 Season Highlights

### Bow Totals

Deer Management Zone	Antlered	Antlerless	Unknown	Total
Central Farmland	11,174	11,294	0	22,468
Central Forest	1,032	424	0	1,456
Northern Forest	3,388	2,209	0	5,597
Southern Farmland	6,082	4,802	0	10,884
Unknown	0	0	0	0
<b>Total</b>	<b>21,676</b>	<b>18,729</b>	<b>0</b>	<b>40,405</b>

### Crossbow Totals

Deer Management Zone	Antlered	Antlerless	Unknown	Total
Central Farmland	13,241	13,165	0	26,406
Central Forest	1,333	560	0	1,893
Northern Forest	6,602	3,850	0	10,452
Southern Farmland	4,780	3,693	0	8,473
Unknown	0	0	0	0
<b>Total</b>	<b>25,956</b>	<b>21,268</b>	<b>0</b>	<b>47,224</b>

### Firearm Totals

Deer Management Zone	Antlered	Antlerless	Unknown	Total <sup>a</sup>
Central Farmland	55,427	79,766	0	135,193
Central Forest	4,730	3,232	0	7,962
Northern Forest	28,259	19,720	0	47,979
Southern Farmland	24,027	32,451	0	56,478
Unknown	0	0	2	2
<b>Total</b>	<b>112,443</b>	<b>135,169</b>	<b>2</b>	<b>247,614</b>

<sup>a</sup> Includes damage deer

### Tribal Totals

Antlered	Antlerless	Unknown	Total
447	516	0	963

## **Abstract**

This report summarizes the results of the 2018 Wisconsin bow, crossbow, youth, 9-day firearm, muzzleloader, December antlerless only, Holiday Hunt antlerless only, and Chippewa off-reservation deer harvest. All harvest statistics are from kill registration data. Since 1953, the Department of Natural Resources has required that Wisconsin hunters register all deer harvested. The Bureau of Customer and Outreach Services of the Wisconsin Department of Natural Resources provided authorization information. Joseph Dittrich and Daniel Storm of the Office of Applied Science summarized data collected from deer aging stations and Brenda Von Rueden of the Bureau of Law Enforcement provided the hunting accident report. The Great Lakes Indian Fish & Wildlife Commission (GLIFWC) provided all Chippewa deer harvest data. This report is possible due to Pittman-Robertson funds.

## **Registration**

Mandatory deer registration remains a cornerstone to deer management in Wisconsin. The 2018 deer season was the fourth year of electronic registration of deer kill by all hunters. A unique 10-digit number was assigned to each carcass authorization issued to a hunter, both antlerless and antlered. This authorization number is the starting point of all registrations and allows for much of the known information about the animal and location to be filled in automatically. Methods included phone-in, internet, or “smart phone” to collect registration data. Over 200 in-person stations still allowed hunters to register deer and provided them with one or more of the methods that were available to do so. Additionally, the Wisconsin DNR released the Hunt Wild application for smartphones, this also allowed hunters to register their harvest.

Starting in 2017 hunters were no longer required to place any type of tag on the harvested deer at any time. While hunting, customers are required to carry proof they are authorized to hunt within the designated location for the type of deer that the season was open for. Hunters can use a printed paper authorization, DNR issued Conservation Card, a GoWild validated Wisconsin driver's license, or a GoWild digital file as proof of compliance. All harvested deer are required to be registered within 24 hours of recovery.

All ages are legal to hunt in Wisconsin (started in 2017), with those under the age of 12 and those who have not completed a hunter safety course, being required to have a mentor of at least 18 years old always within arm's reach while they hunt.

## **Season Structure**

Since the implementation of the Deer Trustee Report recommendations in 2014, the state has been divided into four deer management zones (DMZ) from north to south and designated as, Northern Forest, Central Forest, Central Farmland, and Southern Farmland (Figure 1). Deer management units in these management zones are based on county boundaries inside the zone. Most counties are now their own management unit with a few exceptions for areas where DMZ's cross county boundaries or tribal reservation boundaries were used to develop their own units. Metro areas within these new unit boundaries are now sub-units of the larger county management unit. These sub-units were subject to longer seasons and may have been eligible for additional antlerless authorizations that were not valid in the rest of the unit. Zone boundaries were modified for the 2018 deer season, with boundary changes occurring in both the Central and Northern Forest zones, and the modification or creation of metro sub-units.

A continuous bow and crossbow season ran from mid-September through early January. Firearm seasons included a statewide youth firearm deer season in October, a traditional 9-day firearm deer season in November, a 10-day statewide muzzleloader season, a statewide antlerless only 4-day hunt in mid-December, and in select units an antlerless only Holiday Hunt starting the day before Christmas.

### **Authorizations**

All hunters could harvest one buck statewide per weapon authority purchased. Bow and crossbow hunters that purchased an upgrade authority to use either weapon were only allowed to harvest one buck with either weapon per season.

Free antlerless authorization(s) were issued with each weapon authority purchased. These authorizations allowed the harvest of antlerless deer in any unit in the farmland DMZ's. At the time of issuance, the license purchaser had to declare a farmland DMZ, unit, and landownership type (public or private) they wanted the authorization to be valid for. The number of authorizations available for counties in the farmland zones ranged from 0 to 5, depending on the county. Additional antlerless authorizations could be purchased for both the farmland and forested DMZ's. These authorizations were sold over-the-counter on a first-come, first-served basis at a cost of \$12 each. The purchaser had to designate the zone, unit and land type (private or public) for which they were purchasing the authorization. Authorizations available were limited in many zone, unit, and land types, one unit in the Northern Forest DMZ having no antlerless authorizations available (Tables 1&2). Deer hunters who were hunting under a youth license were issued an additional antlerless authorization with each license purchased. This allowed the harvest of an antlerless deer in any unit, even if the unit had no antlerless authorizations available to the non-youth hunting public. County Deer Advisory Councils could recommend that even these youth antlerless authorizations not be valid within the unit; no counties chose to invalidate statewide youth antlerless authorizations in 2018.

Select metro sub-units had additional authorizations available both as free metro sub-unit authorizations and as bonus (\$12) authorizations. These authorizations were valid only in the portion of the unit that was defined as the metro sub-unit and were valid during any open metro season.

### **Bow/Crossbow Season**

The bow and crossbow seasons were held from 15 September - 6 January, 114 consecutive days of hunting. As had begun in 2014, crossbows were legal for all ages of hunters, but required a separate license. Prior to 2014 only hunters who could document a disability or were 65 years or older were eligible to use a crossbow. Hunters could use both vertical bows and crossbows during the season if they purchased an "upgrade" license for \$3. They were still limited to one buck per hunter regardless of weapon type used to harvest it. Bow and crossbow seasons remained open during all concurrent firearm hunts, and all hunters, regardless of weapon being used, are required to wear blaze orange/pink clothing during any open firearm deer season and restricted to the same deer type as firearm hunters.

In most management units, bow and crossbow hunters could harvest one antlered and multiple antlerless deer during the season. As in recent years, bow and crossbow hunters were restricted to "Bucks Only" in units that restricted firearm hunters to "Bucks Only" as well. Bow and crossbow hunters could harvest additional antlerless deer using free Farmland Zone antlerless deer authorization(s) or purchase additional antlerless deer authorizations in units that allowed the

taking of extra antlerless deer.

All metropolitan sub-units in the state allowed bow and crossbow hunters additional opportunity to kill deer by keeping the season open until 31 January. Additionally, units that held a firearm Holiday Hunt were eligible to extend the archery season until 31 January; 12 units were extended. Hunters in most sub-units used the same Farmland Zone or bonus antlerless authorizations that were available in the larger deer management unit. Like firearm hunters, bow and crossbow hunters could purchase additional antlerless authorizations throughout the season or until all were sold.

Wisconsin bowhunters killed 40,405 and crossbow hunters killed 47,224 deer in 2018. The combined harvest was 87,629; this is down from the combined harvest of 92,394 killed in 2017. Much above normal temperatures greeted hunters during the first week of the season and harvest started slowly. The months of October and November were average to below for temperatures with normal to slightly below normal precipitation. Much of December was normal to above for temperatures and normal for precipitation. There was little snow cover in much of the state until the end of the month when snow and more normal temperatures arrived. Weather events during bow/crossbow season were limited, with extreme warmth getting the season off to a slow start but with much of the rest of the season with favorable to very favorable hunting conditions. Bow and crossbow hunter pressure is at its highest during the pre-rut and rut and many successful hunts occurred during this period. There were very few weather events that should have effected hunting during this peak time. Overall, weather conditions for hunting were quite good throughout most of the season for bow and crossbow hunters and should have not adversely affected success. A summary of the bow and crossbow deer harvest by deer management unit is contained in Figures 6-9 and Tables 13-16.

## **Firearm Seasons**

### **October**

A statewide youth (under 16) deer hunt was held on the 6-7th of October. There is no minimum age to hunt in Wisconsin (started in 2017). All youth were required to be accompanied by an adult parent or guardian and be within visual and voice contact. Those under the age of 12 and those who have not completed a hunter safety course, being required to have a mentor of at least 18 years old always within arm's reach while they hunt. All youth who were mentored or possessed a Hunter's Education certification card and a firearm deer license were eligible to hunt. The bag limit was one buck and additional antlerless deer with the appropriate authorization(s). All youth deer license holders were issued a free antlerless authorization, which were valid in all units. More favorable hunting conditions occurred in 2018 than in 2017, with only portions of the state receiving rain during the evening on the first day. A total of 7,858 deer were killed by youth during these two days (Table 7 and Figure 4). A special firearm hunt for disabled hunters was held on sponsor landowners' properties, a deer of either sex was legal from 6-14 October.

### **November**

Wisconsin held the 2018 regular 9-day firearm deer season during 17-25 November. Rifles were allowed in most of the state, but local governments could restrict their discharge in their jurisdictions. Firearm license holders were issued one antlered deer authorization valid statewide and 0-5 antlerless deer authorization(s) that were restricted for use in the Farmland DMZ deer unit and land type of their choice (public and private). Many units in all DMZ's offered additional bonus antlerless authorizations that were specific to land type and were sold for \$12 on a first-come, first-served basis.

Most of the state had snow on the ground for opening weekend. Only a band about 70 miles wide stretching from east to west from Green Bay through Eau Claire was snowless. Temperatures were moderate, and winds were light all weekend. The opening season date was the earliest possible under the current season structure, which lead to many hunters reporting bucks still in rutting patterns and lots of deer movement. Temperatures stayed about average to above during much of the remaining part of the week with little to no precipitation. While much of the snow cover melted in the southern part of the state, this still made for excellent hunting conditions for those who ventured out. The statewide corn harvest was about average in most of the state with all parts of the state having some standing corn during the season. While there was some snow cover, remote access during the season should not have been an issue, and many wetland and marshland areas should have been huntable. Sales of firearm deer licenses in 2018 were down from the previous year. Overall hunting conditions as ranked by hunters, was ranked a qualitative 7 on a scale of 1 to 10. This is in comparison to a 7 in 2017.

Successful hunters who register their deer on-line are asked to rate the weather on a scale of 1 to 10, with 1 being the worst, and report the number of deer seen and hours hunted. Mean weather ranking for the opening day of the 9-day firearm season was 7.3, higher than last year's 6.5, and higher than the previous best ranking of 7.1 of 2012. Prior years have varied from 4 to 7 with 4.4 in 2016, 4.7 in 2015, 6.5 in 2014, 4.2 in 2013, 7.1 in 2012, 6.0 in 2011, 6.6 in 2010, and 6.1 in 2009; all years except 2014 and 2017 were different at the  $p < 0.05$  level. The weather ranking for the rest of the season was 7.0, less than the 7.3 in 2017, 7.1 in 2016, but higher than the 5.1 in 2015, the 6.0 in 2014, 6.2 in 2013, 6.7 in 2012, 6.6 in 2011, 5.6 in 2010 and 6.2 in 2009; all years were different at the  $p \leq 0.05$  level.

The number of deer seen per hour hunted for opening day was 1.38. This was significantly ( $p \leq .05$ ) higher than last year's 1.07, and higher than all other years (1.17 in 2016, 1.18 in 2015, 1.10 in 2014, 1.09 in 2013, 1.08 in 2010, 1.02 in 2012, 0.96 in 2011, and 0.79 in 2009). Deer seen per hour for the rest of the 9-day season was 1.25, higher than the 1.11 last year and all other years (1.15 in 2016, 1.18 in 2015, 1.20 in 2014, 1.08 in 2013, 1.02 in 2012, 0.96 in 2011, 1.03 in 2010 and 0.80 in 2009); all years were different ( $p \leq .05$ ). Please note that these rankings are for successful hunters only, and are probably biased by that fact.

Metro deer sub-units' firearm deer season opened on 17 November and was open for 21 days (running through 5 December). The bag limit was one antlered deer for the length of the season. Additional antlerless deer authorizations were available for purchase that allowed hunters to bag additional antlerless deer.

### **December**

All DMZ's in the state were open for muzzleloader-only hunting from 26 November - 5 December. Any unused harvest authorization(s), both antlered and antlerless, could be used during this time. Only hunters possessing or accompanying someone with an unused harvest authorization could take part in the muzzleloader season. Muzzleloaders could have scopes with a magnification greater than 1X.

Wisconsin held a statewide antlerless only firearm season from 6-9 December. All hunters with an unfilled antlerless deer authorization could take part in the season. This season allowed hunters who were unable to fill their antlerless authorization during the 9-day and muzzleloader seasons another chance to kill an antlerless deer.

County Deer Advisory Councils had the ability to recommend a Holiday Hunt on a unit-by-unit basis in 2018. Nineteen councils recommended a Holiday Hunt, 17 in 2017 and 13 in 2016.

These units were in the Central and Southern Farmland DMZ. The season was for antlerless deer only and was held from 24 December through 1 January.

Hunting conditions for the December seasons were mostly favorable early but cold late. Most of December had average to above temperatures early in the month, with most of the state receiving some snowfall late in December. While snow was welcome and depths did not hinder hunter access and made deer more visible, cold conditions during the Holiday hunt made sitting for long periods difficult, and may have reduced hunter participation.

The 2018 deer harvest of 335,243 deer killed by Wisconsin licensed hunters was the 24<sup>th</sup> highest kill total in the last 85 years (320,039 in 2017; 1<sup>st</sup> 2000 = 615,293, 2<sup>nd</sup> 2007 = 518,573) during the bow, crossbow, youth, 9-day, muzzleloader, and December and Holiday Hunt antlerless seasons combined. Only once in the past 30 years has the total deer harvest for Wisconsin fallen below 300,000 (1993). A summary of youth, 9-day, muzzleloader, December antlerless, and holiday deer harvest by deer management unit is contained in Table 5-7, and Figures 2-4, respectively.

### **Agricultural Damage Shooting Program**

Wisconsin's agricultural damage deer shooting program was in effect for 2018. Agriculture damage deer shooting permits allow the harvest of deer outside the state deer hunting season for the protection of commercial agricultural crops. In 2018, the Department issued 561 agriculture damage deer shooting permits in 65 counties. The number of deer shooting permits issued in 2018 increased from 2017 when 531 permits were issued in 65 counties. There are two types of deer shooting permits agriculture producers can choose from; permits that require the producer to allow public hunting access during the state deer hunting season, under this option producers are eligible for deer damage compensation; and permits that do not require the producer to allow public deer hunting access but producers are not eligible for deer damage compensation. Of the two permits types, 217 deer shooting permits were issued where public deer hunting access was required on property the producer owns or leases and 344 deer shooting permits were issued where public hunting access was not required on the property the producer owns or leases.

The number of shooting permits issued each year for the last 10 years are as follows:

2009 - 611 permits in 66 counties	2014 - 617 Permits in 67 counties
2010 - 501 permits in 62 counties	2015 - 542 Permits in 64 counties
2011 - 484 permits in 64 counties	2016 - 506 Permits in 64 counties
2012 - 521 permits in 67 counties	2017 - 531 Permits in 65 counties
2013 - 618 permits in 65 counties	2018 - 561 Permits in 65 counties

Damage authorizations were primarily valid for harvesting antlerless deer using a firearm (occasional exceptions are made to harvest antlered deer or to use archery equipment for harvest). A total of 4,821 deer were harvested under authority of this program; nearly all (4,653) were antlerless. Data from past years has shown that less than 5% of the damage deer are killed with archery tackle. Because of this, all damage deer are assumed to be killed by firearm hunters and are in the 9-day harvest totals. Tables 9 & 10 summarize deer harvest in the agricultural damage shooting program.

### **Chippewa Deer Harvest**

Deer hunting in the off-reservation portions of the ceded territory by the tribes of the Lake Superior Chippewa took place from 1 September to 31 December. The Tribes harvested 963 deer in 2018. Tribal totals are not included in the statewide firearm harvest totals in this report but used in calculating population estimates for each of the units that have tribal harvest. The total Tribal deer harvest by year is in Table 11. A summary of the 2018 Tribal deer harvest by management unit is contained in Table 12. Other off-reservation treaty harvest information can be obtained by contacting the Great Lakes Indian Fish & Wildlife Commission, P.O. Box 9, Odanah, WI 54861.

### **CWD Harvest**

With the Deer Trustee Report implementation, the Chronic Wasting Disease (CWD) management zone has been eliminated and is now referred to as CWD affected area. These boundaries match the counties that prohibit baiting and feeding (48 counties in 2018). A county is included if a wild or captive animal has been tested and confirmed to be positive for CWD in the county or if a portion of the county that is within a 10-mile radius (focal area) of where the animal that had been tested and confirmed to be positive for CWD.

CWD surveillance authorizations were issued by the Wisconsin DNR in areas of new CWD+ focal areas. These authorizations were valid in any open season for any deer. All other special seasons or extensions of seasons no longer exist as had in the past. Season length and bagging rates were like the rest of the state. The “bonus buck” provision that had allowed the taking of additional antlered deer if an antlerless deer was killed first was discontinued in 2015, with all prior issued bonus buck stickers expiring on 31 March 2015.

**Table 1. Farmland and bonus antlerless authorization availability, issuance, and success by deer management zone, unit and land type for 2018.**

			Antlerless							
			Farmland		Deer Killed		Bonus	Bonus	Antlerless	
			Authority	Farmland	with	Farmland	Antlerless	Antlerless	Deer Killed	Bonus
Deer Management Zone	County	Land Type	available per License	Authority Issued	Farmland Authority	Authority Success	Authority Available	Authority Issued	with Bonus Authority	Authority Success
Central Farmland	Adams	Public	2/License	4,635	147	3.2%	100	99	15	15.2%
Central Farmland	Adams	Private	2/License	14,007	783	5.6%	900	359	59	16.4%
Central Farmland	Barron	Public	2/License	9,667	704	7.3%	750	381	50	13.1%
Central Farmland	Barron	Private	2/License	26,401	2,876	10.9%	2,500	962	190	19.8%
Central Farmland	Brown	Public	2/License	3,765	150	4.0%	150	150	19	12.7%
Central Farmland	Brown	Private	2/License	15,039	1,077	7.2%	1,150	442	51	11.5%
Central Farmland	Buffalo	Public	3/License	2,759	139	5.0%	250	143	12	8.4%
Central Farmland	Buffalo	Private	3/License	34,690	3,546	10.2%	1,500	670	136	20.3%
Central Farmland	Calumet	Public	1/License	1,145	97	8.5%	100	100	6	6.0%
Central Farmland	Calumet	Private	1/License	3,618	478	13.2%	400	324	64	19.8%
Central Farmland	Chippewa	Public	None available				1,125	940	142	15.1%
Central Farmland	Chippewa	Private	None available				7,900	5,753	1408	24.5%
Central Farmland	Clark	Public	1/License	4,588	353	7.7%	75	76	21	27.6%
Central Farmland	Clark	Private	1/License	15,972	2,277	14.3%	1,750	1,748	479	27.4%
Central Farmland	Door	Public	5/License	8,647	315	3.6%	500	145	12	8.3%
Central Farmland	Door	Private	5/License	38,633	2,614	6.8%	1,500	288	31	10.8%
Central Farmland	Dunn	Public	1/License	3,344	394	11.8%	500	499	97	19.4%
Central Farmland	Dunn	Private	1/License	13,277	2,398	18.1%	3,750	1,766	425	24.1%
Central Farmland	Eau Claire	Public	1/License	3,235	206	6.4%	100	68	5	7.4%
Central Farmland	Eau Claire	Private	1/License	8,443	967	11.5%	1,575	792	146	18.4%
Central Farmland	Fond Du Lac	Public	1/License	3,812	317	8.3%	1,000	902	85	9.4%
Central Farmland	Fond Du Lac	Private	1/License	9,164	1,391	15.2%	7,400	870	191	22.0%
Central Farmland	Green Lake	Public	3/License	4,282	136	3.2%	500	237	8	3.4%
Central Farmland	Green Lake	Private	3/License	19,043	1,527	8.0%	1,000	279	58	20.8%
Central Farmland	Jackson	Public	1/License	3,284	206	6.3%				
Central Farmland	Jackson	Private	1/License	10,455	1,603	15.3%	1,650	1,415	332	23.5%
Central Farmland	Juneau	Public	1/License	1,834	102	5.6%	25	25	1	4.0%
Central Farmland	Juneau	Private	1/License	8,186	878	10.7%	1,050	965	174	18.0%
Central Farmland	Kewaunee	Public	3/License	2,681	175	6.5%	300	90	6	6.7%
Central Farmland	Kewaunee	Private	3/License	19,612	1,946	9.9%	1,100	183	27	14.8%
Central Farmland	La Crosse	Public	1/License	1,102	77	7.0%	275	238	38	16.0%
Central Farmland	La Crosse	Private	1/License	7,715	1,104	14.3%	750	737	182	24.7%
Central Farmland	Manitowoc	Public	2/License	4,316	243	5.6%	300	189	21	11.1%
Central Farmland	Manitowoc	Private	2/License	19,826	1,894	9.6%	2,000	421	69	16.4%
Central Farmland	Marathon	Public	1/License	7,383	817	11.1%				
Central Farmland	Marathon	Private	1/License	27,537	4,531	16.5%	1,500	1,500	307	20.5%
Central Farmland	Marinette	Public	2/License	12,316	515	4.2%	500	478	42	8.8%
Central Farmland	Marinette	Private	2/License	29,506	1,947	6.6%	2,750	814	122	15.0%
Central Farmland	Marquette	Public	3/License	6,960	316	4.5%	2,000	296	17	5.7%
Central Farmland	Marquette	Private	3/License	33,333	2,676	8.0%	8,000	444	81	18.2%
Central Farmland	McCoy	Public	None available							
Central Farmland	McCoy	Private	None available							
Central Farmland	Monroe	Public	1/License	3,032	272	9.0%	600	479	51	10.6%
Central Farmland	Monroe	Private	1/License	12,819	2,049	16.0%	1,500	1,489	427	28.7%
Central Farmland	Oconto	Public	3/License	18,374	514	2.8%	450	411	32	7.8%
Central Farmland	Oconto	Private	3/License	42,157	2,582	6.1%	1,825	515	74	14.4%
Central Farmland	Outagamie	Public	2/License	4,700	222	4.7%	600	289	21	7.3%
Central Farmland	Outagamie	Private	2/License	19,552	1,706	8.7%	1,400	536	104	19.4%



**Table 1. Farmland and bonus antlerless authorization availability, issuance, and success by deer management zone, unit and land type for 2018.**

Deer Management Zone	County	Land Type	Antlerless							
			Farmland Authority available per License	Farmland Authority Issued	Deer Killed with Farmland Authority	Farmland Authority Success	Bonus Antlerless Authority Available	Bonus Antlerless Authority Issued	Antlerless Deer Killed with Bonus Authority	Bonus Authority Success
Central Farmland	Pepin	Public	2/License	1,130	87	7.7%	150	88	10	11.4%
Central Farmland	Pepin	Private	2/License	7,182	1,045	14.6%	900	279	63	22.6%
Central Farmland	Pierce	Public	2/License	2,387	115	4.8%	350	186	23	12.4%
Central Farmland	Pierce	Private	2/License	16,457	1,901	11.6%	1,250	650	128	19.7%
Central Farmland	Polk	Public	1/License	5,545	1,015	18.3%	2,500	899	172	19.1%
Central Farmland	Polk	Private	1/License	15,663	3,623	23.1%	7,500	1,963	476	24.2%
Central Farmland	Portage	Public	1/License	2,937	323	11.0%	300	300	59	19.7%
Central Farmland	Portage	Private	1/License	12,663	2,062	16.3%	1,500	1,500	377	25.1%
Central Farmland	St. Croix	Public	2/License	5,016	232	4.6%	450	227	19	8.4%
Central Farmland	St. Croix	Private	2/License	16,990	1,318	7.8%	2,300	569	86	15.1%
Central Farmland	Shawano	Public	3/License	10,594	494	4.7%	750	258	23	8.9%
Central Farmland	Shawano	Private	3/License	60,246	5,057	8.4%	3,450	666	108	16.2%
Central Farmland	Sheboygan	Public	2/License	8,578	247	2.9%	20	19	2	10.5%
Central Farmland	Sheboygan	Private	2/License	13,064	733	5.6%	80	80	7	8.8%
Central Farmland	Trempealeau	Public	1/License	1,326	177	13.3%	200	200	38	19.0%
Central Farmland	Trempealeau	Private	1/License	12,339	2,474	20.1%	4,300	1,887	546	28.9%
Central Farmland	Waupaca	Public	3/License	9,195	390	4.2%	300	300	23	7.7%
Central Farmland	Waupaca	Private	3/License	63,927	5,616	8.8%	5,000	703	123	17.5%
Central Farmland	Waushara	Public	2/License	6,844	346	5.1%	600	423	27	6.4%
Central Farmland	Waushara	Private	2/License	26,838	2,291	8.5%	1,200	808	124	15.3%
Central Farmland	Winnebago	Public	1/License	1,485	96	6.5%	350	281	32	11.4%
Central Farmland	Winnebago	Private	1/License	5,702	645	11.3%	1,000	452	82	18.1%
Central Farmland	Wood	Public	1/License	2,577	218	8.5%				
Central Farmland	Wood	Private	1/License	10,048	1,500	14.9%	500	497	129	26.0%
<b>Central Farmland Total</b>				<b>863,579</b>	<b>81,272</b>		<b>100,000</b>	<b>42,742</b>	<b>8,515</b>	
Central Forest	Adams	Public	None available				1,500	1,499	252	16.8%
Central Forest	Adams	Private	None available				8,550	5,951	1366	23.0%
Central Forest	Clark	Public	None available				1,200	1,200	248	20.7%
Central Forest	Clark	Private	None available				1,825	1,822	419	23.0%
Central Forest	Eau Claire	Public	None available				100	101	25	24.8%
Central Forest	Eau Claire	Private	None available				425	424	121	28.5%
Central Forest	Jackson	Public	None available				350	351	96	27.4%
Central Forest	Jackson	Private	None available				350	350	108	30.9%
Central Forest	Juneau	Public	None available				50	50	15	30.0%
Central Forest	Juneau	Private	None available				675	675	188	27.9%
Central Forest	Monroe	Public	None available				50	50	16	32.0%
Central Forest	Monroe	Private	None available				150	150	54	36.0%
Central Forest	Wood	Public	None available				25	25	11	44.0%
Central Forest	Wood	Private	None available				1,000	1,000	279	27.9%
<b>Central Forest Total</b>				<b>0</b>	<b>0</b>		<b>16,250</b>	<b>13,648</b>	<b>3,198</b>	
Northern Forest	Ashland	Public	None available							
Northern Forest	Ashland	Private	None available				975	974	379	38.9%
Northern Forest	Apostle Islands	Public	None available							
Northern Forest	Apostle Islands	Private	None available							
Northern Forest	Bad River	Public	None available							
Northern Forest	Bad River	Private	None available							
Northern Forest	Madeline Island	Public	None available				75	52	16	30.8%
Northern Forest	Madeline Island	Private	None available				50	50	22	44.0%
Northern Forest	Bayfield	Public	None available				4,325	4,135	1108	26.8%

**Table 1. Farmland and bonus antlerless authorization availability, issuance, and success by deer management zone, unit and land type for 2018.**

			Antlerless							
			Farmland Authority available per License	Farmland Authority Issued	Deer Killed with Farmland Authority	Farmland Authority Success	Bonus Antlerless Authority Available	Bonus Antlerless Authority Issued	Antlerless Deer Killed with Bonus Authority	Bonus Authority Success
Deer Management Zone	County	Land Type								
Northern Forest	Bayfield	Private	None available				5,300	3,560	1191	33.5%
Northern Forest	Burnett	Public	None available				1,200	1,203	319	26.5%
Northern Forest	Burnett	Private	None available				6,900	5,880	1655	28.1%
Northern Forest	Chippewa	Public	None available				50	51	19	37.3%
Northern Forest	Chippewa	Private	None available				800	795	197	24.8%
Northern Forest	Douglas	Public	None available				1,150	1,151	411	35.7%
Northern Forest	Douglas	Private	None available				1,050	1,052	430	40.9%
Northern Forest	Florence	Public	None available				1,200	1,197	361	30.2%
Northern Forest	Florence	Private	None available				2,250	2,250	683	30.4%
Northern Forest	Forest	Public	None available				100	100	46	46.0%
Northern Forest	Forest	Private	None available				200	200	84	42.0%
Northern Forest	Iron	Public	None available							
Northern Forest	Iron	Private	None available							
Northern Forest	Lac Corte Oreilles	Public	None available							
Northern Forest	Lac Corte Oreilles	Private	None available							
Northern Forest	Lac Du Flambeau	Public	None available							
Northern Forest	Lac Du Flambeau	Private	None available							
Northern Forest	Langlade	Public	None available				1,800	1,799	466	25.9%
Northern Forest	Langlade	Private	None available				5,475	4,483	1218	27.2%
Northern Forest	Lincoln	Public	None available				1,600	1,599	351	22.0%
Northern Forest	Lincoln	Private	None available				6,400	4,929	1274	25.8%
Northern Forest	Marinette	Public	None available				1,400	1,402	329	23.5%
Northern Forest	Marinette	Private	None available				2,100	2,101	580	27.6%
Northern Forest	Menominee	Public	None available							
Northern Forest	Menominee	Private	None available							
Northern Forest	Oconto	Public	None available				325	325	72	22.2%
Northern Forest	Oconto	Private	None available				750	749	178	23.8%
Northern Forest	Oneida	Public	None available				800	800	241	30.1%
Northern Forest	Oneida	Private	None available				1,900	1,902	697	36.6%
Northern Forest	Price	Public	None available				0	0	0	#DIV/0!
Northern Forest	Price	Private	None available				1,925	1,927	714	37.1%
Northern Forest	Red Cliff	Public	None available							
Northern Forest	Red Cliff	Private	None available							
Northern Forest	Rusk	Public	None available				425	425	129	30.4%
Northern Forest	Rusk	Private	None available				3,875	3,874	1218	31.4%
Northern Forest	Sawyer	Public	None available				450	450	159	35.3%
Northern Forest	Sawyer	Private	None available				1,450	1,448	554	38.3%
Northern Forest	Taylor	Public	None available				500	499	141	28.3%
Northern Forest	Taylor	Private	None available				5,000	5,003	1660	33.2%
Northern Forest	Vilas	Public	None available				400	401	131	32.7%
Northern Forest	Vilas	Private	None available				1,000	1,001	396	39.6%
Northern Forest	Washburn	Public	None available				2,025	2,019	527	26.1%
Northern Forest	Washburn	Private	None available				6,050	5,061	1461	28.9%
Northern Forest Total				0	0		71,275	64,847	19,417	
Southern Farmland	Columbia	Public	2/License	5,781	300	5.2%	1,000	559	60	10.7%
Southern Farmland	Columbia	Private	2/License	22,585	2,092	9.3%	3,000	766	168	21.9%
Southern Farmland	Crawford	Public	2/License	3,136	243	7.7%				
Southern Farmland	Crawford	Private	2/License	16,566	1,703	10.3%	2,800	592	126	21.3%
Southern Farmland	Dane	Public	1/License	2,499	130	5.2%	700	596	45	7.6%

**Table 1. Farmland and bonus antlerless authorization availability, issuance, and success by deer management zone, unit and land type for 2018.**

Deer Management Zone	County	Land Type	Antlerless							
			Farmland Authority available per License	Farmland Authority Issued	Deer Killed with Farmland Authority	Farmland Authority Success	Bonus Antlerless Authority Available	Bonus Antlerless Authority Issued	Antlerless Deer Killed with Bonus Authority	Bonus Authority Success
Southern Farmland	Dane	Private	1/License	9,719	1,066	11.0%	2,500	1,206	230	19.1%
Southern Farmland	Dodge	Public	1/License	2,892	250	8.6%	125	124	23	18.5%
Southern Farmland	Dodge	Private	1/License	10,116	1,461	14.4%	1,325	1,325	241	18.2%
Southern Farmland	Grant	Public	3/License	5,284	256	4.8%	350	196	21	10.7%
Southern Farmland	Grant	Private	3/License	35,342	2,979	8.4%	2,500	622	113	18.2%
Southern Farmland	Green	Public	2/License	1,735	102	5.9%	300	163	18	11.0%
Southern Farmland	Green	Private	2/License	10,559	993	9.4%	1,750	436	73	16.7%
Southern Farmland	Iowa	Public	2/License	3,015	174	5.8%	650	352	35	9.9%
Southern Farmland	Iowa	Private	2/License	17,941	1,885	10.5%	3,000	735	164	22.3%
Southern Farmland	Jefferson	Public	1/License	2,436	169	6.9%	225	225	30	13.3%
Southern Farmland	Jefferson	Private	1/License	6,959	808	11.6%	2,100	1,328	265	20.0%
Southern Farmland	Kenosha	Public	1/License	1,056	32	3.0%				
Southern Farmland	Kenosha	Private	1/License	1,736	105	6.0%				
Southern Farmland	Lafayette	Public	1/License	638	69	10.8%	125	125	27	21.6%
Southern Farmland	Lafayette	Private	1/License	4,767	774	16.2%	1,125	820	211	25.7%
Southern Farmland	Milwaukee	Public	2/License	156	2	1.3%	75	32	1	3.1%
Southern Farmland	Milwaukee	Private	2/License	852	78	9.2%	600	76	10	13.2%
Southern Farmland	Ozaukee	Public	3/License	2,514	68	2.7%	300	139	11	7.9%
Southern Farmland	Ozaukee	Private	3/License	8,439	456	5.4%	700	271	40	14.8%
Southern Farmland	Racine	Public	1/License	938	12	1.3%				
Southern Farmland	Racine	Private	1/License	2,519	148	5.9%	50	50	4	8.0%
Southern Farmland	Richland	Public	4/License	4,777	208	4.4%	500	158	13	8.2%
Southern Farmland	Richland	Private	4/License	39,747	2,507	6.3%	2,000	460	77	16.7%
Southern Farmland	Rock	Public	1/License	1,773	68	3.8%	600	412	31	7.5%
Southern Farmland	Rock	Private	1/License	5,518	628	11.4%	900	822	120	14.6%
Southern Farmland	Sauk	Public	2/License	5,527	322	5.8%	750	486	45	9.3%
Southern Farmland	Sauk	Private	2/License	25,122	2,690	10.7%	3,800	808	173	21.4%
Southern Farmland	Vernon	Public	3/License	6,505	370	5.7%	200	199	31	15.6%
Southern Farmland	Vernon	Private	3/License	38,024	2,997	7.9%	1,200	657	130	19.8%
Southern Farmland	Walworth	Public	1/License	2,124	82	3.9%	300	300	21	7.0%
Southern Farmland	Walworth	Private	1/License	3,733	365	9.8%	475	473	80	16.9%
Southern Farmland	Washington	Public	3/License	9,468	161	1.7%	400	399	25	6.3%
Southern Farmland	Washington	Private	3/License	22,569	936	4.1%	1,350	615	78	12.7%
Southern Farmland	Waukesha	Public	1/License	3,584	111	3.1%	750	749	73	9.7%
Southern Farmland	Waukesha	Private	1/License	5,933	514	8.7%	1,850	1,000	172	17.2%
<b>Southern Farmland</b>				<b>354,584</b>	<b>28,314</b>		<b>40,375</b>	<b>18,276</b>	<b>2,985</b>	
<b>Grand Total</b>				<b>1,218,163</b>	<b>109,586</b>		<b>227,900</b>	<b>139,513</b>	<b>34,115</b>	

**Table 2. Antlerless deer quota, authorizations available, authorizations issued, harvest, and percent of quota killed by Deer Management Zone and Unit for the 2018 season.**

Deer Management Zone	County	Antlerless Quota	Bonus Authorities Available	(Bonus+Farmland) Authorities Issued	Antlerless Harvest	% of Quota
Central Farmland	Adams	1,400	1,000	19,100	1,076	76.9%
Central Farmland	Barron	6,000	3,250	37,411	4,103	68.4%
Central Farmland	Brown	2,500	1,100	19,396	1,532	61.3%
Central Farmland	Buffalo	6,000	1,750	38,262	4,257	71.0%
Central Farmland	Calumet	1,480	500	5,187	770	52.0%
Central Farmland	Chippewa	3,050	8,025	6,693	1,925	63.1%
Central Farmland	Clark	4,950	1,825	22,384	4,146	83.8%
Central Farmland	Door	6,500	2,000	47,713	2,844	43.8%
Central Farmland	Dunn	4,235	4,250	18,886	3,822	90.2%
Central Farmland	Eau Claire	1,600	1,175	12,538	1,788	111.8%
Central Farmland	Fond Du Lac	3,200	8,400	14,748	2,238	69.9%
Central Farmland	Green Lake	3,800	1,500	23,841	2,539	66.8%
Central Farmland	Jackson	2,700	1,650	15,154	2,434	90.1%
Central Farmland	Juneau	1,350	1,075	11,010	1,432	106.1%
Central Farmland	Kewaunee	4,700	1,400	22,566	2,110	44.9%
Central Farmland	La Crosse	1,850	1,025	9,792	2,128	115.0%
Central Farmland	Manitowoc	5,000	2,300	24,752	2,523	50.5%
Central Farmland	Marathon	6,500	1,500	36,420	6,229	95.8%
Central Farmland	Marinette	3,250	3,250	43,114	3,359	103.4%
Central Farmland	Marquette	10,000	10,000	41,033	3,849	38.5%
Central Farmland	Monroe	3,400	2,100	17,819	3,530	103.8%
Central Farmland	Oconto	7,000	2,275	61,457	3,911	55.9%
Central Farmland	Outagamie	2,350	2,000	25,077	2,421	103.0%
Central Farmland	Pepin	2,500	1,050	8,679	1,380	55.2%
Central Farmland	Pierce	4,500	1,500	19,680	2,570	57.1%
Central Farmland	Polk	6,300	10,000	24,070	4,181	66.4%
Central Farmland	Portage	3,750	1,800	17,400	3,324	88.6%
Central Farmland	Shawano	7,300	4,200	71,764	2,281	31.2%
Central Farmland	Sheboygan	2,750		21,741	6,306	229.3%
Central Farmland	St Croix	3,000	2,300	22,802	1,703	56.8%
Central Farmland	Trempealeau	4,500	4,500	15,752	3,888	86.4%
Central Farmland	Waupaca	7,000	5,300	74,125	6,650	95.0%
Central Farmland	Waushara	3,600	1,800	34,913	3,459	96.1%
Central Farmland	Winnebago	1,050	1,350	7,920	1,012	96.4%
Central Farmland	Wood	2,000	500	13,122	2,260	113.0%
Central Forest	Adams	4,020	10,050	7,450	1,840	45.8%
Central Forest	Clark	1,000	3,025	3,022	857	85.7%
Central Forest	Eau Claire	170	525	525	221	130.0%
Central Forest	Jackson	200	700	701	326	163.0%
Central Forest	Juneau	350	725	725	349	99.7%
Central Forest	Monroe	150	200	200	153	102.0%
Central Forest	Wood	750	1,025	1,025	470	62.7%
Northern Forest	Ashland	400	975	974	518	129.5%
Northern Forest	Madeline Island	50	125	102	42	84.0%
Northern Forest	Bayfield	3,000	9,625	7,695	2,599	86.6%

**Table 2. Antlerless deer quota, authorizations available, authorizations issued, harvest, and percent of quota killed by Deer Management Zone and Unit for the 2018 season.**

Deer Management Zone	County	Antlerless Quota	Bonus Authorities Available	(Bonus+Farmland) Authorities Issued	Antlerless Harvest	% of Quota
Northern Forest	Burnett	3,400	8,100	7,083	2,327	68.4%
Northern Forest	Chippewa	255	850	846	361	141.6%
Northern Forest	Douglas	760	1,900	2,203	1,287	169.3%
Northern Forest	Florence	1,200	3,450	3,447	1,363	113.6%
Northern Forest	Forest	100	300	300	401	401.0%
Northern Forest	Iron	0		0	42	N/A
Northern Forest	Langlade	2,550	7,275	6,282	2,012	78.9%
Northern Forest	Lincoln	2,800	8,000	6,528	1,955	69.8%
Northern Forest	Marinette	1,225	3,500	3,503	1,213	99.0%
Northern Forest	Menominee	0		0	0	N/A
Northern Forest	Oconto	325	1,075	1,074	368	113.2%
Northern Forest	Oneida	945	2,700	2,702	1,413	149.5%
Northern Forest	Price	750	1,925	1,927	1,198	159.7%
Northern Forest	Rusk	1,900	4,300	4,299	1,929	101.5%
Northern Forest	Sawyer	650	1,900	1,898	1,052	161.8%
Northern Forest	Taylor	1,900	5,500	5,502	2,596	136.6%
Northern Forest	Vilas	500	1,400	1,402	822	164.4%
Northern Forest	Washburn	2,250	8,075	7,080	2,273	101.0%
Southern Farmland	Columbia	8,800	4,000	29,691	3,487	39.6%
Southern Farmland	Crawford	2,800	2,800	20,294	2,778	99.2%
Southern Farmland	Dane	5,225	3,200	14,020	2,117	40.5%
Southern Farmland	Dodge	2,725	1,450	14,457	2,122	77.9%
Southern Farmland	Grant	6,000	2,850	41,444	4,286	71.4%
Southern Farmland	Green	2,200	2,050	12,893	1,420	64.5%
Southern Farmland	Iowa	4,000	3,650	22,043	2,921	73.0%
Southern Farmland	Jefferson	1,500	2,325	10,948	1,642	109.5%
Southern Farmland	Kenosha	150	0	2,792	140	93.3%
Southern Farmland	Lafayette	2,100	1,250	6,350	1,321	62.9%
Southern Farmland	Milwaukee	400	675	1,116	103	25.8%
Southern Farmland	Ozaukee	1,200	1,000	11,363	626	52.2%
Southern Farmland	Racine	225	0	3,507	195	86.7%
Southern Farmland	Richland	5,000	2,500	45,142	3,784	75.7%
Southern Farmland	Rock	1,900	1,500	8,525	1,024	53.9%
Southern Farmland	Sauk	6,000	4,550	31,943	4,093	68.2%
Southern Farmland	Vernon	4,700	1,400	45,385	5,108	108.7%
Southern Farmland	Walworth	900	775	6,630	623	69.2%
Southern Farmland	Washington	2,600	1,750	33,051	2,000	76.9%
Southern Farmland	Waukesha	2,600	2,600	11,266	1,156	44.5%

**Table 3.** *Nine-day gun season opening day deer hunting pressure expressed as hunters per square mile of deer range, with current deer range densities 2014-18.*

Deer Management Zone	County	Deer Range <sup>b</sup>	2014 <sup>a</sup>	2015 <sup>a</sup>	2016 <sup>a</sup>	2017 <sup>a</sup>	2018 <sup>a</sup>	Ave
Central Farmland	Adams	74.4	31.4	25.1	19.1	33.5	15.7	25.0
Central Farmland	Barron	520.4	14.2	18	12.4	16.7	14.4	15.1
Central Farmland	Brown	158.5	37.3	34.1	23.3	29.1	22.1	29.2
Central Farmland	Buffalo	527.6	15.4	18.2	11.7	13.6	13.7	14.5
Central Farmland	Calumet	77.2	33	58.3	34	46.2	35.2	41.3
Central Farmland	Chippewa	419.2	10	15.1	11.8	13.5	15.4	13.2
Central Farmland	Clark	444.4	13.3	18.4	27.5	13.9	17.2	18.1
Central Farmland	Door	300.7	20	20.9	22.6	21	15.9	20.1
Central Farmland	Dunn	518.6	12.9	13.4	13.2	16.7	16.5	14.5
Central Farmland	Eau Claire	291.8	13.1	12.1	11.4	11.9	8.4	11.4
Central Farmland	Fond Du Lac	227	32.4	34.3	34.6	31.4	25.1	31.6
Central Farmland	Green Lake	178.6	26.1	26.7	35.5	25.5	29	28.6
Central Farmland	Jackson	392.4	21	15.9	17.8	15.3	16.2	17.2
Central Farmland	Juneau	251.6	18.9	15.6	12.4	13.2	13.4	14.7
Central Farmland	Kewaunee	123.1	52.6	43.6	55.4	61.1	25.2	47.6
Central Farmland	La Crosse	339.6	20.3	17.7	20.2	13.1	12.2	16.7
Central Farmland	Manitowoc	211.1	30.2	53.1	30.3	24.7	30.7	33.8
Central Farmland	Marathon	1072.8	18	23.2	19.4	18	16.8	19.1
Central Farmland	Marinette	546.3	13.5	16	16.2	9.9	10.7	13.3
Central Farmland	Marquette	365.6	20.3	31.2	27.2	23	25.1	25.4
Central Farmland	Monroe	512.6	17.9	15.6	16.7	15.1	21.5	17.4
Central Farmland	Oconto	453	25.2	30.9	23.3	24.9	21.7	25.2
Central Farmland	Outagamie	218.2	27.4	32.8	26.4	28.3	24.9	28.0
Central Farmland	Pepin	152.1	20.1	17.2	15.4	20.8	21.3	19.0
Central Farmland	Pierce	294	20.4	24.2	21.4	23.8	19.8	21.9
Central Farmland	Polk	655.1	17.9	21.3	18.9	15.1	18.8	18.4
Central Farmland	Portage	517.1	23.4	18.2	24.2	23.2	16	21.0
Central Farmland	St. Croix	282.6	23.3	18.9	18.2	41.9	18.8	24.2
Central Farmland	Shawano	633.6	24	27.4	27.6	10.7	22.3	22.4
Central Farmland	Sheboygan	203.5	27.7	30.4	22.8	21.3	29.9	26.4
Central Farmland	Trempealeau	514.5	17.8	17.6	16.6	15.2	16.6	16.8
Central Farmland	Waupaca	525.4	33.3	41.3	27.3	33.5	29.6	33.0
Central Farmland	Waushara	450.3	28.3	27.3	28.5	29.5	25.3	27.8
Central Farmland	Winnebago	124.3	26.7	35.4	26.3	19.1	27.1	26.9
Central Farmland	Wood	278.2	18.4	25	16.5	17.8	18.2	19.2
Central Forest	Adams	451.8	23.2	24.9	20.9	20.9	16.3	21.2
Central Forest	Clark	326.7	22.6	18.2	20.3	17.1	22.6	20.2
Central Forest	Eau Claire	147.2	14.8	10.4	15.9	13.9	7.9	12.6
Central Forest	Jackson	451.2	9	7.7	9.8	9	6.3	8.4
Central Forest	Juneau	390.2	13.9	12.9	12.3	11.7	11.9	12.5
Central Forest	Monroe	104.3	12.5	7.1	7.8	7	11.2	9.1
Central Forest	Wood	291	13.8	9.6	9	11.6	8.5	10.5
Northern Forest	Ashland	768.9	5.3	5.3	5.9	5.4	5.4	5.5
Northern Forest	Bayfield	1390.5	7.8	8.9	7.6	7.9	6.7	7.8
Northern Forest	Burnett	758.8	12.5	13.2	10.1	9.8	11.3	11.4

**Table 3. Nine-day gun season opening day deer hunting pressure expressed as hunters per square mile of deer range, with current deer range densities 2014-18.**

Deer Management Zone	County	Deer Range <sup>b</sup>	2014 <sup>a</sup>	2015 <sup>a</sup>	2016 <sup>a</sup>	2017 <sup>a</sup>	2018 <sup>a</sup>	Ave
Northern Forest	Chippewa	247.9					4.2	4.2
Northern Forest	Douglas	1252.4	6.1	7.9	6.2	8.9	6.4	7.1
Northern Forest	Florence	475	18	17.6	13.8	12.5	14.4	15.3
Northern Forest	Forest	992.9	9.2	9.7	7.4	8.4	7.6	8.5
Northern Forest	Iron	711.7	4.7	5.6	4.6	2.9	4.4	4.4
Northern Forest	Langlade	768.7	11.7	13.8	11.2	15.1	12.8	12.9
Northern Forest	Lincoln	828	14.2	13.3	14.8	11.6	11.1	13.0
Northern Forest	Marinette	746.4	16.7	20.3	13.8	18.3	17.2	17.3
Northern Forest	Menominee	354.6	.			.	.	N/A
Northern Forest	Oconto	337.9	21.1	14.2	14.8	21.1	14.2	17.1
Northern Forest	Oneida	1085.1	10	11.9	9.1	10.3	8.7	10.0
Northern Forest	Price	1217.8	10.3	11.5	8.7	7.3	7.9	9.1
Northern Forest	Rusk	835.7	11.1	11.2	11.9	11.3	10.5	11.2
Northern Forest	Sawyer	1114.1	9.2	7.5	7.2	12.6	8.6	9.0
Northern Forest	Taylor	847.6	16.5	14.7	10.2	10.3	9.3	12.2
Northern Forest	Vilas	764	12.4	12.1	12.8	11.5	9.8	11.7
Northern Forest	Washburn	748.8	11.9	14.4	11.4	11.9	12.4	12.4
Southern Farmland	Columbia	379.2	33	29.9	24.9	21.9	18.8	25.7
Southern Farmland	Crawford	482.7	12.9	15	15.8	15	16.4	15.0
Southern Farmland	Dane	427.9	14.4	13.8	13.8	12.7	14.8	13.9
Southern Farmland	Dodge	272.3	22.7	26	22.1	18.1	24.3	22.6
Southern Farmland	Grant	523.1	16	16.7	17.8	15.1	20	17.1
Southern Farmland	Green	138.6	12.6	20.1	14.7	24	22.4	18.8
Southern Farmland	Iowa	409.7	21.3	17.3	15.2	13.7	19.3	17.4
Southern Farmland	Jefferson	222.1	29.9	17.7	18.3	24.5	18.7	21.8
Southern Farmland	Kenosha	88.9	6.5	7	9.1	6.8	7.3	7.3
Southern Farmland	Lafayette	102.2	26.8	23.8	21	24.3	27.9	24.8
Southern Farmland	Milwaukee	45.5	.	.	.	.	2.8	2.8
Southern Farmland	Ozaukee	84.5	13.5	21.4	13.5	19.5	7.7	15.1
Southern Farmland	Racine	89.9	12	5.1	6.3	5.1	8.6	7.4
Southern Farmland	Richland	477	20	19.9	20.9	18.6	16.6	19.2
Southern Farmland	Rock	156.9	15.3	19.6	26.8	19.3	18.2	19.8
Southern Farmland	Sauk	568.2	15.8	20.6	22.6	15.2	14.6	17.8
Southern Farmland	Vernon	576	16.1	22.3	20.6	18.1	17.5	18.9
Southern Farmland	Walworth	198.2	10.2	13.8	11.9	10.7	13.1	11.9
Southern Farmland	Washington	209.1	17.7	17.9	11.8	23	13	16.7
Southern Farmland	Waukesha	284.1	9.2	7.9	9.5	8.8	8.2	8.7

<sup>a</sup> Opening day pressure is obtained from a survey sent to 10,000 Firearm Deer and Sports license holders every year. The survey asks hunters to list the unit they hunted in each day of the season. Results from this survey are expanded to estimate the total hunters in each unit. Sampling problems can affect the estimates. Quota authorization allocation and season structure may also shift hunting pressure. Questions or comments should be directed to Brian Dhuey.

<sup>b</sup> Estimates of Deer Range were recalculated in 2018

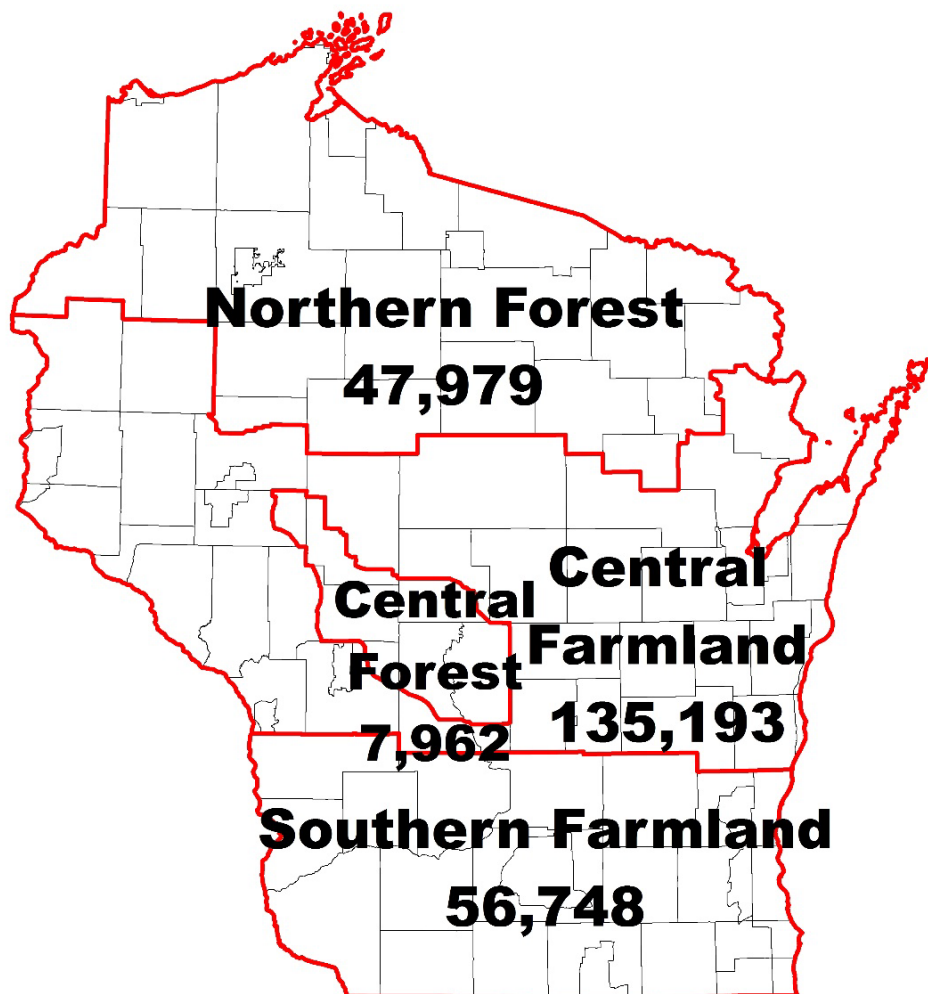
## FIREARM HARVEST

Wisconsin hunters killed 247,614 deer with a firearm during the 2018 youth, 9-day firearm, muzzleloader, December antlerless only, and holiday deer seasons. Summaries of the harvest by deer management zone and unit can be found in Tables 4-8 and Figures 1-4, respectively.

**Table 4.** *The total 2018 firearm deer harvest by deer management zone.*

Deer Management Zone	Antlered	Antlerless	Unknown	Total	Damage <sup>a</sup>
Central Farmland Zone	55,427	79,766	0	135,193	2,399
Central Forest Zone	4,730	3,232	0	7,962	195
Northern Forest Zone	28,259	19,720	0	47,979	845
Southern Farmland Zone	24,027	32,451	0	56,478	1,382
Unknown	0	0	2	2	
<b>Total</b>	<b>112,443</b>	<b>135,169</b>	<b>2</b>	<b>247,614</b>	<b>4,821</b>

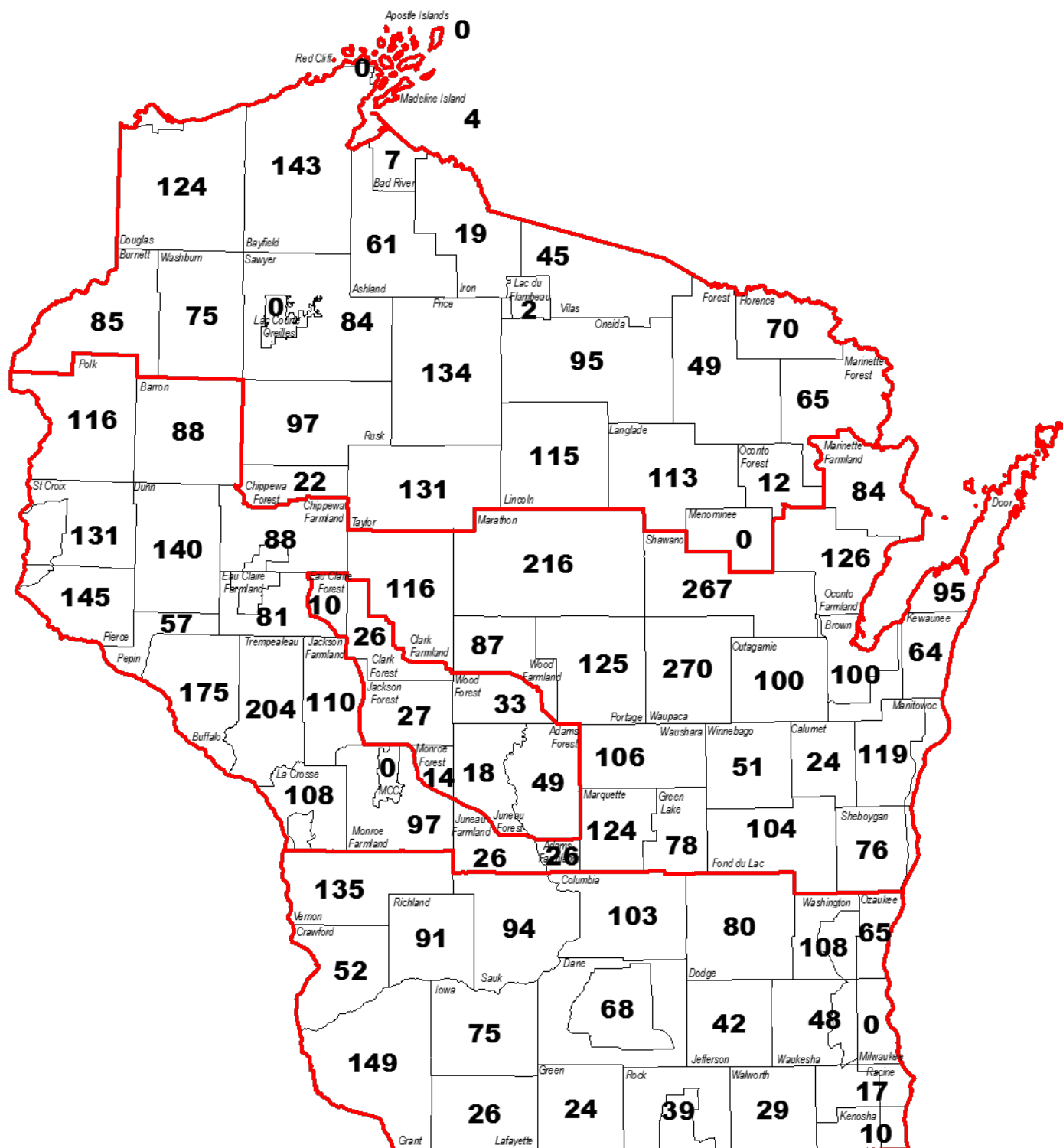
<sup>a</sup> Damage and nuisance kills are included in antlered and antlerless totals



**Figure 1.** *The 2018 firearm deer harvest by deer management zone*

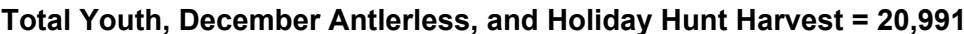






**Total Muzzleloader Harvest = 6,908**

**Figure 3.** *The 2018 muzzleloader harvest by deer management unit.*



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**Table 5. Summary of the 2018 9-day firearm deer harvest by zone and unit.**

County	Deer Management Zone	9-Day Antlered	9-Day Antlerless	9-Day Unks	9-Day Total	County	Deer Management Zone	9-Day Antlered	9-Day Antlerless	9-Day Unks	9-Day Total
Adams	Central Farmland	453	698		1,151	Ashland	Northern Forest	851	297		1,148
Barron	Central Farmland	1,798	2,860		4,658	Apostle Islands	Northern Forest				0
Brown	Central Farmland	731	756		1,487	Bad River	Northern Forest	59	1		60
Buffalo	Central Farmland	1,596	2,595		4,191	Madeline Island	Northern Forest	35	32		67
Calumet	Central Farmland	377	497		874	Bayfield	Northern Forest	2,079	1,755		3,834
Chippewa	Central Farmland	1,284	1,303		2,587	Burnett	Northern Forest	1,728	1,569		3,297
Clark	Central Farmland	1,817	2,766		4,583	Chippewa	Northern Forest	544	255		799
Door	Central Farmland	1,369	1,635		3,004	Douglas	Northern Forest	2,034	842		2,876
Dunn	Central Farmland	1,962	2,753		4,715	Florence	Northern Forest	1,017	958		1,975
Eau Claire	Central Farmland	802	1,081		1,883	Forest	Northern Forest	1,088	308		1,396
Fond du Lac	Central Farmland	1,249	1,498		2,747	Iron	Northern Forest	393	25		418
Green Lake	Central Farmland	1,124	1,616		2,740	Lac Corte Oreilles	Northern Forest	5	1		6
Jackson	Central Farmland	1,296	1,543		2,839	Lac du Flambeau	Northern Forest	9	3		12
Juneau	Central Farmland	1,026	1,056		2,082	Langlade	Northern Forest	1,658	1,362		3,020
Kewaunee	Central Farmland	963	1,375		2,338	Lincoln	Northern Forest	1,561	1,334		2,895
La Crosse	Central Farmland	1,147	1,456		2,603	Marinette	Northern Forest	1,560	835		2,395
Manitowoc	Central Farmland	1,215	1,631		2,846	Menominee	Northern Forest				0
Marathon	Central Farmland	3,677	4,271		7,948	Oconto	Northern Forest	689	238		927
Marinette	Central Farmland	1,872	2,109		3,981	Oneida	Northern Forest	1,560	913		2,473
Marquette	Central Farmland	1,878	2,497		4,375	Price	Northern Forest	1,781	731		2,512
MCCoy	Central Farmland	225	160		385	Red Cliff	Northern Forest	1			1
Monroe	Central Farmland	2,071	2,322		4,393	Rusk	Northern Forest	1,855	1,293		3,148
Oconto	Central Farmland	2,108	2,311		4,419	Sawyer	Northern Forest	1,622	708		2,330
Outagamie	Central Farmland	1,050	1,315		2,365	Taylor	Northern Forest	1,978	1,539		3,517
Pepin	Central Farmland	542	946		1,488	Vilas	Northern Forest	999	542		1,541
Pierce	Central Farmland	1,113	1,699		2,812	Washburn	Northern Forest	1,544	1,642		3,186
Polk	Central Farmland	2,303	2,878		5,181	<b>Northern Forest Total</b>					<b>26,650 17,183 0 43,833</b>
Portage	Central Farmland	1,979	2,307		4,286	Columbia	Southern Farmland	2,083	2,131		4,214
St Croix	Central Farmland	974	1,317		2,291	Crawford	Southern Farmland	1,585	2,095		3,680
Shawano	Central Farmland	3,050	3,880		6,930	Dane	Southern Farmland	1,380	1,310		2,690
Sheboygan	Central Farmland	884	1,125		2,009	Dodge	Southern Farmland	1,275	1,460		2,735
Trempealeau	Central Farmland	1,795	2,585		4,380	Grant	Southern Farmland	2,480	3,191		5,671
Waupaca	Central Farmland	2,870	3,881		6,751	Green	Southern Farmland	898	1,051		1,949
Waushara	Central Farmland	1,738	2,036		3,774	Iowa	Southern Farmland	1,772	1,994		3,766
Winnebago	Central Farmland	614	596		1,210	Jefferson	Southern Farmland	815	1,018		1,833
Wood	Central Farmland	953	1,373		2,326	Kenosha	Southern Farmland	110	52		162
<b>Central Farmland Total</b>		<b>51,905</b>	<b>66,727</b>	<b>0</b>	<b>118,632</b>	Lafayette	Southern Farmland	931	992		1,923
Adams	Central Forest	1,268	1,241		2,509	Milwaukee	Southern Farmland	38	42		80
Clark	Central Forest	672	554		1,226	Ozaukee	Southern Farmland	231	287		518
Eau Claire	Central Forest	338	160		498	Racine	Southern Farmland	130	114		244
Jackson	Central Forest	570	206		776	Richland	Southern Farmland	2,100	2,462		4,562
Juneau	Central Forest	777	235		1,012	Rock	Southern Farmland	630	644		1,274
Monroe	Central Forest	303	102		405	Sauk	Southern Farmland	2,478	2,717		5,195
Wood	Central Forest	573	299		872	Vernon	Southern Farmland	2,549	3,588		6,137
<b>Central Forest Total</b>		<b>4,501</b>	<b>2,797</b>	<b>0</b>	<b>7,298</b>	Walworth	Southern Farmland	403	308		711
						Washington	Southern Farmland	663	1,050		1,713
						Waukesha	Southern Farmland	431	462		893
						<b>Southern Farmland Total</b>					<b>22,982 26,968 0 49,950</b>
						Unknown	Unknown	0	0	2	2
							Unknown	0	0	2	2
						<b>Grand Total</b>					<b>106,038 113,675 2 219,715</b>

**Table 6. Summary of the 2018 muzzleloader deer harvest by zone and unit.**

County	Deer Management Zone	Muzzle loader Antlered	Muzzle loader Antlerless	Muzzle loader Unks	Muzzle loader Total	County	Deer Management Zone	Muzzle loader Antlered	Muzzle loader Antlerless	Muzzle loader Unks	Muzzle loader Total
Adams	Central Farmland	2	24		26	Ashland	Northern Forest	53	8		61
Barron	Central Farmland	22	66		88	Apostle Islands	Northern Forest				0
Brown	Central Farmland	43	57		100	Bad River	Northern Forest	5	2		7
Buffalo	Central Farmland	45	130		175	Madeline Island	Northern Forest	2	2		4
Calumet	Central Farmland	8	16		24	Bayfield	Northern Forest	64	79		143
Chippewa	Central Farmland	37	51		88	Burnett	Northern Forest	32	53		85
Clark	Central Farmland	35	81		116	Chippewa	Northern Forest	11	11		22
Door	Central Farmland	26	69		95	Douglas	Northern Forest	88	36		124
Dunn	Central Farmland	63	77		140	Florence	Northern Forest	19	51		70
Eau Claire	Central Farmland	22	59		81	Forest	Northern Forest	40	9		49
Fond du Lac	Central Farmland	39	65		104	Iron	Northern Forest	19			19
Green Lake	Central Farmland	24	54		78	Lac Corte Oreilles	Northern Forest				0
Jackson	Central Farmland	36	74		110	Lac du Flambeau	Northern Forest	1	1		2
Juneau	Central Farmland	10	16		26	Langlade	Northern Forest	52	61		113
Kewaunee	Central Farmland	24	40		64	Lincoln	Northern Forest	59	56		115
La Crosse	Central Farmland	51	57		108	Marinette	Northern Forest	39	26		65
Manitowoc	Central Farmland	40	79		119	Menominee	Northern Forest				0
Marathon	Central Farmland	96	120		216	Oconto	Northern Forest	9	3		12
Marinette	Central Farmland	31	53		84	Oneida	Northern Forest	48	47		95
Marquette	Central Farmland	36	88		124	Price	Northern Forest	90	44		134
MCCoy	Central Farmland			0	0	Red Cliff	Northern Forest				0
Monroe	Central Farmland	36	61		97	Rusk	Northern Forest	53	44		97
Oconto	Central Farmland	42	84		126	Sawyer	Northern Forest	56	28		84
Outagamie	Central Farmland	40	60		100	Taylor	Northern Forest	53	78		131
Pepin	Central Farmland	17	40		57	Vilas	Northern Forest	26	19		45
Pierce	Central Farmland	46	99		145	Washburn	Northern Forest	25	50		75
Polk	Central Farmland	41	75		116	<b>Northern Forest Total</b>		<b>844</b>	<b>708</b>	<b>0</b>	<b>1,552</b>
Portage	Central Farmland	50	75		125	Columbia	Southern Farmland	43	60		103
St Croix	Central Farmland	49	82		131	Crawford	Southern Farmland	27	25		52
Shawano	Central Farmland	62	205		267	Dane	Southern Farmland	33	35		68
Sheboygan	Central Farmland	28	48		76	Dodge	Southern Farmland	24	56		80
Trempealeau	Central Farmland	67	137		204	Grant	Southern Farmland	51	98		149
Waupaca	Central Farmland	75	195		270	Green	Southern Farmland	8	16		24
Waushara	Central Farmland	38	68		106	Iowa	Southern Farmland	29	46		75
Winnebago	Central Farmland	30	21		51	Jefferson	Southern Farmland	15	27		42
Wood	Central Farmland	27	60		87	Kenosha	Southern Farmland	4	6		10
<b>Central Farmland Total</b>		<b>1,338</b>	<b>2,586</b>	<b>0</b>	<b>3,924</b>	Lafayette	Southern Farmland	12	14		26
Adams	Central Forest	23	26		49	Milwaukee	Southern Farmland				0
Clark	Central Forest	12	14		26	Ozaukee	Southern Farmland	23	42		65
Eau Claire	Central Forest	9	1		10	Racine	Southern Farmland	15	2		17
Jackson	Central Forest	21	6		27	Richland	Southern Farmland	41	50		91
Juneau	Central Forest	14	4		18	Rock	Southern Farmland	18	21		39
Monroe	Central Forest	9	5		14	Sauk	Southern Farmland	41	53		94
Wood	Central Forest	25	8		33	Vernon	Southern Farmland	48	87		135
<b>Central Forest Total</b>		<b>113</b>	<b>64</b>	<b>0</b>	<b>177</b>	Walworth	Southern Farmland	14	15		29
						Washington	Southern Farmland	40	68		108
						Waukesha	Southern Farmland	21	27		48
						<b>Southern Farmland Total</b>		<b>507</b>	<b>748</b>	<b>0</b>	<b>1,255</b>
						Unknown	Unknown				0
						Unknown Total		0	0	0	0
						<b>Grand Total</b>		<b>2,802</b>	<b>4,106</b>	<b>0</b>	<b>6,908</b>

**Table 7. Summary of the 2018 Youth, December, and Holiday Hunt deer harvest by zone and unit.**

County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill	County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill		
Adams	Central Farmland	14	75		89	Ashland	Northern Forest	33	46		79		
Barron	Central Farmland	106	292		398	Apostle Islands	Northern Forest	0	0		0		
Brown	Central Farmland	21	193		214	Bad River	Northern Forest	1	0		1		
Buffalo	Central Farmland	94	663		757	Madeline Island	Northern Forest	0	0		0		
Calumet	Central Farmland	12	72		84	Bayfield	Northern Forest	28	154		182		
Chippewa	Central Farmland	71	177		248	Burnett	Northern Forest	48	157		205		
Clark	Central Farmland	93	356		449	Chippewa	Northern Forest	22	27		49		
Door	Central Farmland	48	390		438	Douglas	Northern Forest	52	90		142		
Dunn	Central Farmland	69	295		364	Florence	Northern Forest	20	74		94		
Eau Claire	Central Farmland	20	101		121	Forest	Northern Forest	15	43		58		
Fond du Lac	Central Farmland	36	194		230	Iron	Northern Forest	6	6		12		
Green Lake	Central Farmland	37	308		345	Lac Corte Oreilles	Northern Forest	0	0		0		
Jackson	Central Farmland	83	302		385	Lac du Flambeau	Northern Forest	0	0		0		
Juneau	Central Farmland	22	94		116	Langlade	Northern Forest	57	143		200		
Kewaunee	Central Farmland	46	274		320	Lincoln	Northern Forest	49	134		183		
La Crosse	Central Farmland	46	199		245	Marinette	Northern Forest	33	78		111		
Manitowoc	Central Farmland	42	197		239	Menominee	Northern Forest	0	0		0		
Marathon	Central Farmland	156	439		595	Oconto	Northern Forest	8	30		38		
Marinette	Central Farmland	62	381		443	Oneida	Northern Forest	30	100		130		
Marquette	Central Farmland	52	353		405	Price	Northern Forest	74	123		197		
MCCoy	Central Farmland	5	10		15	Red Cliff	Northern Forest	0	0		0		
Monroe	Central Farmland	69	466		535	Rusk	Northern Forest	62	156		218		
Oconto	Central Farmland	82	470		552	Sawyer	Northern Forest	44	55		99		
Outagamie	Central Farmland	47	303		350	Taylor	Northern Forest	116	262		378		
Pepin	Central Farmland	36	112		148	Vilas	Northern Forest	12	49		61		
Pierce	Central Farmland	42	183		225	Washburn	Northern Forest	55	102		157		
Polk	Central Farmland	104	283		387	Northern Forest Total				765	1,829	0	2,594
Portage	Central Farmland	75	258		333	Columbia	Southern Farmland	63	632		695		
St Croix	Central Farmland	54	179		233	Crawford	Southern Farmland	17	270		287		
Shawano	Central Farmland	150	658		808	Dane	Southern Farmland	26	248		274		
Sheboygan	Central Farmland	29	110		139	Dodge	Southern Farmland	43	152		195		
Trempealeau	Central Farmland	90	457		547	Grant	Southern Farmland	54	336		390		
Waupaca	Central Farmland	127	984	1,111		Green	Southern Farmland	14	96		110		
Waushara	Central Farmland	64	343		407	Iowa	Southern Farmland	32	332		364		
Winnebago	Central Farmland	24	83		107	Jefferson	Southern Farmland	19	203		222		
Wood	Central Farmland	56	199		255	Kenosha	Southern Farmland	4	7		11		
Central Farmland Total		2,184	10,453	0	12,637	Lafayette	Southern Farmland	24	100		124		
Adams	Central Forest	29	160		189	Milwaukee	Southern Farmland	0	0		0		
Clark	Central Forest	27	58		85	Ozaukee	Southern Farmland	6	41		47		
Eau Claire	Central Forest	8	19		27	Racine	Southern Farmland	4	9		13		
Jackson	Central Forest	10	32		42	Richland	Southern Farmland	57	611		668		
Juneau	Central Forest	18	37		55	Rock	Southern Farmland	13	82		95		
Monroe	Central Forest	10	18		28	Sauk	Southern Farmland	61	609		670		
Wood	Central Forest	14	47		61	Vernon	Southern Farmland	65	602		667		
Central Forest Total		116	371	0	487	Walworth	Southern Farmland	10	64		74		
						Washington	Southern Farmland	14	216		230		
						Waukesha	Southern Farmland	12	125		137		
						Southern Farmland Total				538	4,735	0	5,273
						Unknown	Unknown				0	0	
						Unknown Total				0	0	0	0
						Grand Total				3,603	17,388	0	20,991

**Table 8. Summary of the 2018 firearm deer harvest by zone and unit (youth, 9-day, damage, muzzleloader, and December and Holiday Hunt antlerless seasons).**

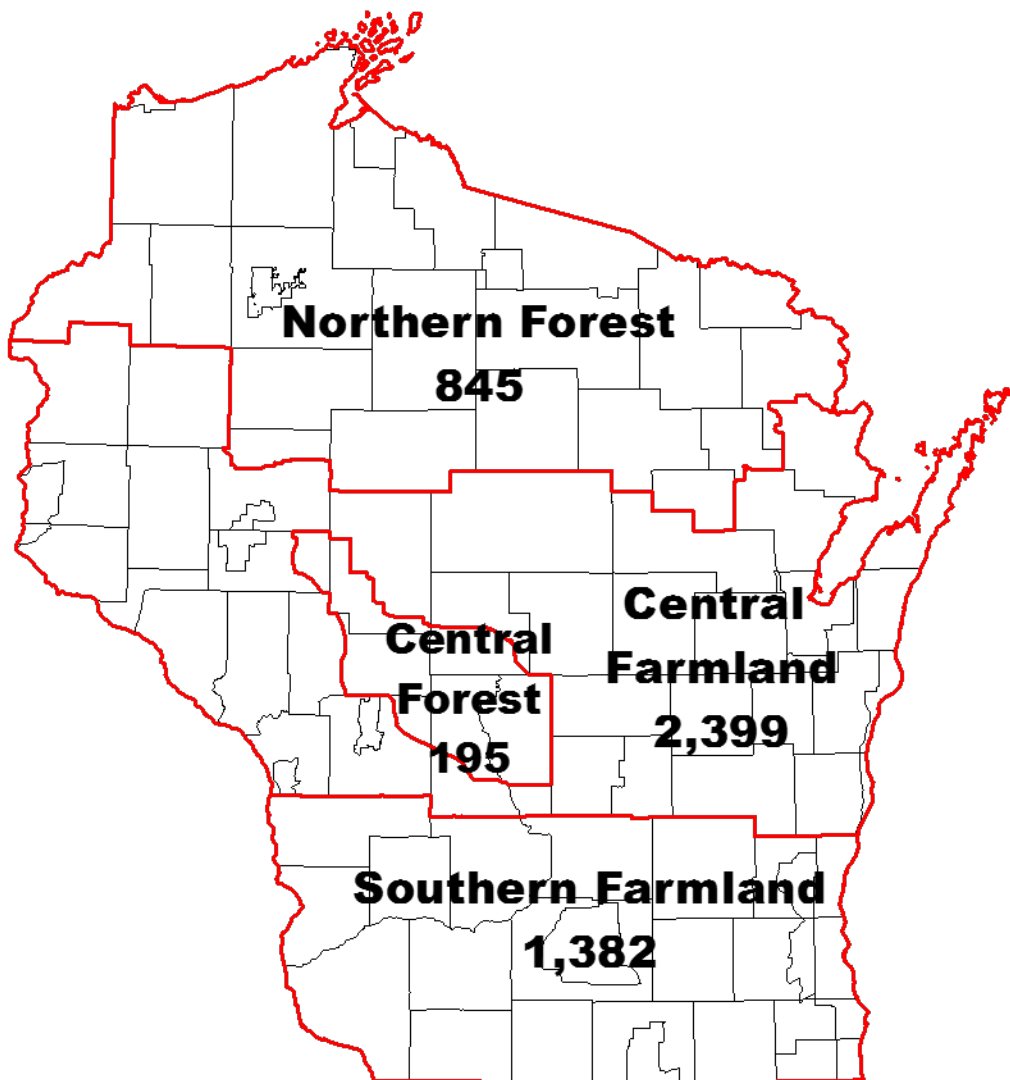
County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill	County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill			
Adams	Central Farmland	469	797	0	1,266	Ashland	Northern Forest	937	351	0	1,288			
Barron	Central Farmland	1,926	3,218	0	5,144	Apostle Islands	Northern Forest	0	0	0	0			
Brown	Central Farmland	795	1,006	0	1,801	Bad River	Northern Forest	65	3	0	68			
Buffalo	Central Farmland	1,735	3,388	0	5,123	Madeline Island	Northern Forest	37	34	0	71			
Calumet	Central Farmland	397	585	0	982	Bayfield	Northern Forest	2,171	1,988	0	4,159			
Chippewa	Central Farmland	1,392	1,531	0	2,923	Burnett	Northern Forest	1,808	1,779	0	3,587			
Clark	Central Farmland	1,945	3,203	0	5,148	Chippewa	Northern Forest	577	293	0	870			
Door	Central Farmland	1,443	2,094	0	3,537	Douglas	Northern Forest	2,174	968	0	3,142			
Dunn	Central Farmland	2,094	3,125	0	5,219	Florence	Northern Forest	1,056	1,083	0	2,139			
Eau Claire	Central Farmland	844	1,241	0	2,085	Forest	Northern Forest	1,143	360	0	1,503			
Fond du Lac	Central Farmland	1,324	1,757	0	3,081	Iron	Northern Forest	418	31	0	449			
Green Lake	Central Farmland	1,185	1,978	0	3,163	Lac Corte Oreilles	Northern Forest	5	1	0	6			
Jackson	Central Farmland	1,415	1,919	0	3,334	Lac du Flambeau	Northern Forest	10	4	0	14			
Juneau	Central Farmland	1,058	1,166	0	2,224	Langlade	Northern Forest	1,767	1,566	0	3,333			
Kewaunee	Central Farmland	1,033	1,689	0	2,722	Lincoln	Northern Forest	1,669	1,524	0	3,193			
La Crosse	Central Farmland	1,244	1,712	0	2,956	Marinette	Northern Forest	1,632	939	0	2,571			
Manitowoc	Central Farmland	1,297	1,907	0	3,204	Menominee	Northern Forest	0	0	0	0			
Marathon	Central Farmland	3,929	4,830	0	8,759	Oconto	Northern Forest	706	271	0	977			
Marinette	Central Farmland	1,965	2,543	0	4,508	Oneida	Northern Forest	1,638	1,060	0	2,698			
Marquette	Central Farmland	1,966	2,938	0	4,904	Price	Northern Forest	1,945	898	0	2,843			
MCCoy	Central Farmland	230	170	0	400	Red Cliff	Northern Forest	1	0	0	1			
Monroe	Central Farmland	2,176	2,849	0	5,025	Rusk	Northern Forest	1,970	1,493	0	3,463			
Oconto	Central Farmland	2,232	2,865	0	5,097	Sawyer	Northern Forest	1,722	791	0	2,513			
Outagamie	Central Farmland	1,137	1,678	0	2,815	Taylor	Northern Forest	2,147	1,879	0	4,026			
Pepin	Central Farmland	595	1,098	0	1,693	Vilas	Northern Forest	1,037	610	0	1,647			
Pierce	Central Farmland	1,201	1,981	0	3,182	Washburn	Northern Forest	1,624	1,794	0	3,418			
Polk	Central Farmland	2,448	3,236	0	5,684	Northern Forest Total					28,259	19,720	0	47,979
Portage	Central Farmland	2,104	2,640	0	4,744	Columbia	Southern Farmland	2,189	2,823	0	5,012			
St Croix	Central Farmland	1,077	1,578	0	2,655	Crawford	Southern Farmland	1,629	2,390	0	4,019			
Shawano	Central Farmland	3,262	4,743	0	8,005	Dane	Southern Farmland	1,439	1,593	0	3,032			
Sheboygan	Central Farmland	941	1,283	0	2,224	Dodge	Southern Farmland	1,342	1,668	0	3,010			
Trempealeau	Central Farmland	1,952	3,179	0	5,131	Grant	Southern Farmland	2,585	3,625	0	6,210			
Waupaca	Central Farmland	3,072	5,060	0	8,132	Green	Southern Farmland	920	1,163	0	2,083			
Waushara	Central Farmland	1,840	2,447	0	4,287	Iowa	Southern Farmland	1,833	2,372	0	4,205			
Winnebago	Central Farmland	668	700	0	1,368	Jefferson	Southern Farmland	849	1,248	0	2,097			
Wood	Central Farmland	1,036	1,632	0	2,668	Kenosha	Southern Farmland	118	65	0	183			
Central Farmland Total		55,427	79,766	0	135,193	Lafayette	Southern Farmland	967	1,106	0	2,073			
Adams	Central Forest	1,320	1,427	0	2,747	Milwaukee	Southern Farmland	38	42	0	80			
Clark	Central Forest	711	626	0	1,337	Ozaukee	Southern Farmland	260	370	0	630			
Eau Claire	Central Forest	355	180	0	535	Racine	Southern Farmland	149	125	0	274			
Jackson	Central Forest	601	244	0	845	Richland	Southern Farmland	2,198	3,123	0	5,321			
Juneau	Central Forest	809	276	0	1,085	Rock	Southern Farmland	661	747	0	1,408			
Monroe	Central Forest	322	125	0	447	Sauk	Southern Farmland	2,580	3,379	0	5,959			
Wood	Central Forest	612	354	0	966	Vernon	Southern Farmland	2,662	4,277	0	6,939			
Central Forest Total		4,730	3,232	0	7,962	Walworth	Southern Farmland	427	387	0	814			
						Washington	Southern Farmland	717	1,334	0	2,051			
						Waukesha	Southern Farmland	464	614	0	1,078			
						Southern Farmland Total					24,027	32,451	0	56,478
						Unknown	Unknown	0	0	2	2			
						Unknown Total					0	0	2	2
						Grand Total					112,443	135,169	2	247,614

# Hot-Spot Damage

Summaries of Wisconsin's hot-spot damage deer harvest by deer management zone, and deer management unit in Tables 9 & 10.

**Table 9.** *The 2018 damage deer harvest summary by deer management zone.*

Deer management zone	Antlered	Antlerless	Unknown	Total
Central Farmland	55	2,344	0	2,399
Central Forest	2	193	0	195
Northern Forest	11	834	0	845
Southern Farmland	100	1,282	0	1,382
<b>Total</b>	<b>168</b>	<b>4,653</b>	<b>0</b>	<b>4,821</b>



**Figure 5.** *The 2018 damage deer harvest by deer management zone.*



**Table 10. Summary of the 2018 damage/nuisance deer harvest by zone and unit.**

County	Deer Management				County	Deer Management			
	Zone	Antlered	Antlerless	Unknown Total Kill		Zone	Antlered	Antlerless	Unknown Total Kill
Adams	Central Farmland		18	18	Ashland	Northern Forest		10	10
Barron	Central Farmland	3	23	26	Bayfield	Northern Forest		19	19
Brown	Central Farmland	16	89	105	Burnett	Northern Forest		25	25
Buffalo	Central Farmland		18	18	Douglas	Northern Forest	9	23	32
Calumet	Central Farmland		5	5	Florence	Northern Forest		150	150
Chippewa	Central Farmland		14	14	Forest	Northern Forest		58	58
Clark	Central Farmland		51	51	Langlade	Northern Forest		28	28
Door	Central Farmland		33	33	Lincoln	Northern Forest		29	29
Dunn	Central Farmland		36	36	Marinette	Northern Forest		43	43
Fond Du Lac	Central Farmland		26	26	Oconto	Northern Forest		2	2
Green Lake	Central Farmland	1	152	153	Oneida	Northern Forest	1	52	53
Jackson	Central Farmland		58	58	Price	Northern Forest		76	76
Juneau	Central Farmland		10	10	Rusk	Northern Forest		118	118
Kewaunee	Central Farmland		45	45	Sawyer	Northern Forest		80	80
La Crosse	Central Farmland	9	84	93	Taylor	Northern Forest		51	51
Manitowoc	Central Farmland		29	29	Vilas	Northern Forest	1	44	45
Marathon	Central Farmland		217	217	Washburn	Northern Forest		26	26
Marinette	Central Farmland		201	201					
Marquette	Central Farmland	1	135	136	<b>Northern Forest Total</b>				
Monroe	Central Farmland		26	26	Columbia	Southern Farmland	5	161	166
Oconto	Central Farmland		37	37	Crawford	Southern Farmland	2	50	52
Outagamie	Central Farmland		133	133	Dane	Southern Farmland	21	83	104
Pepin	Central Farmland		9	9	Dodge	Southern Farmland		14	14
Pierce	Central Farmland		6	6	Grant	Southern Farmland		114	114
Polk	Central Farmland	5	54	59	Green	Southern Farmland	3	11	14
Portage	Central Farmland	12	145	157	Iowa	Southern Farmland		159	159
Shawano	Central Farmland	2	163	165	Jefferson	Southern Farmland	1	34	35
Sheboygan	Central Farmland	2	2	4	Lafayette	Southern Farmland	5	21	26
St Croix	Central Farmland	1	11	12	Milwaukee	Southern Farmland	35	42	77
Trempealeau	Central Farmland		124	124	Ozaukee	Southern Farmland		4	4
Waupaca	Central Farmland	2	165	167	Racine	Southern Farmland	1	6	7
Waushara	Central Farmland		66	66	Richland	Southern Farmland	3	129	132
Winnebago	Central Farmland		27	27	Rock	Southern Farmland		10	10
Wood	Central Farmland	1	132	133	Sauk	Southern Farmland		166	166
<b>Central Farmland Total</b>		<b>55</b>	<b>2,344</b>	<b>2,399</b>	Vernon	Southern Farmland		116	116
Adams	Central Forest		44	44	Walworth	Southern Farmland	3	4	7
Clark	Central Forest		42	42	Washington	Southern Farmland	6	51	57
Eau Claire	Central Forest		1	1	Waukesha	Southern Farmland	15	107	122
Jackson	Central Forest		1	1	<b>Southern Farmland Total</b>				
Juneau	Central Forest	2	14	16			<b>100</b>	<b>1,282</b>	<b>1,382</b>
Monroe	Central Forest		24	24	<b>Grand Total</b>				
Wood	Central Forest		67	67			<b>168</b>	<b>4,653</b>	<b>4,821</b>
<b>Central Forest Total</b>		<b>2</b>	<b>193</b>	<b>195</b>					

# Chippewa Deer Harvest Summary

The Lake Superior Chippewa Bands began a negotiated deer season with the State of Wisconsin in 1983. The total harvest for 2018 and past years is given in Table 11. The 2018 Chippewa deer harvest by deer management zone and unit are listed in Table 12.

**Table 11.** *Chippewa deer harvest summary, 1983-2018.*

Year	Antlered Kill	Antlerless Kill	Unknown Kill	Total Kill
1983	235	403	5	643
1984	213	447	28	688
1985	435	945	0	1,380
1986	615	1,530	0	2,145
1987	730	2,099	0	2,829
1988	902	2,468	0	3,370
1989	1,016	2,727	1	3,744
1990	1,101	2,739	2	3,842
1991	1,095	3,844	0	4,939
1992	690	1,850	0	2,540
1993	677	1,787	0	2,464
1994	1,163	2,469	5	3,637
1995	1,584	3,340	1	4,925
1996	1,100	2,224	23	3,347
1997	1,120	2,227	0	3,347
1998	1,529	2,435	0	3,964
1999	1,349	1,896	18	3,263
2000	1,351	1,630	0	2,981
2001	1,047	1,526	0	2,573
2002	861	1,044	0	1,905
2003	1,162	1,524	0	2,686
2004	954	1,068	0	2,022
2005	852	1,305	6	2,163
2006	956	1,354	2	2,312
2007	828	1,015	0	1,843
2008	695	900	0	1,595
2009	540	842	0	1,382
2010	646	847	0	1,493
2011	508	831	1	1,340
2012	666	943	0	1,609
2013	542	817	0	1,359
2014	423	702	0	1,125
2015	491	787	0	1,278
2016	582	886	0	1,469
2017	724	1,050	0	1,774
2018	447	516	0	963

**Table 12.** *Summary of the 2018 Chippewa harvest by deer management zone and unit.*

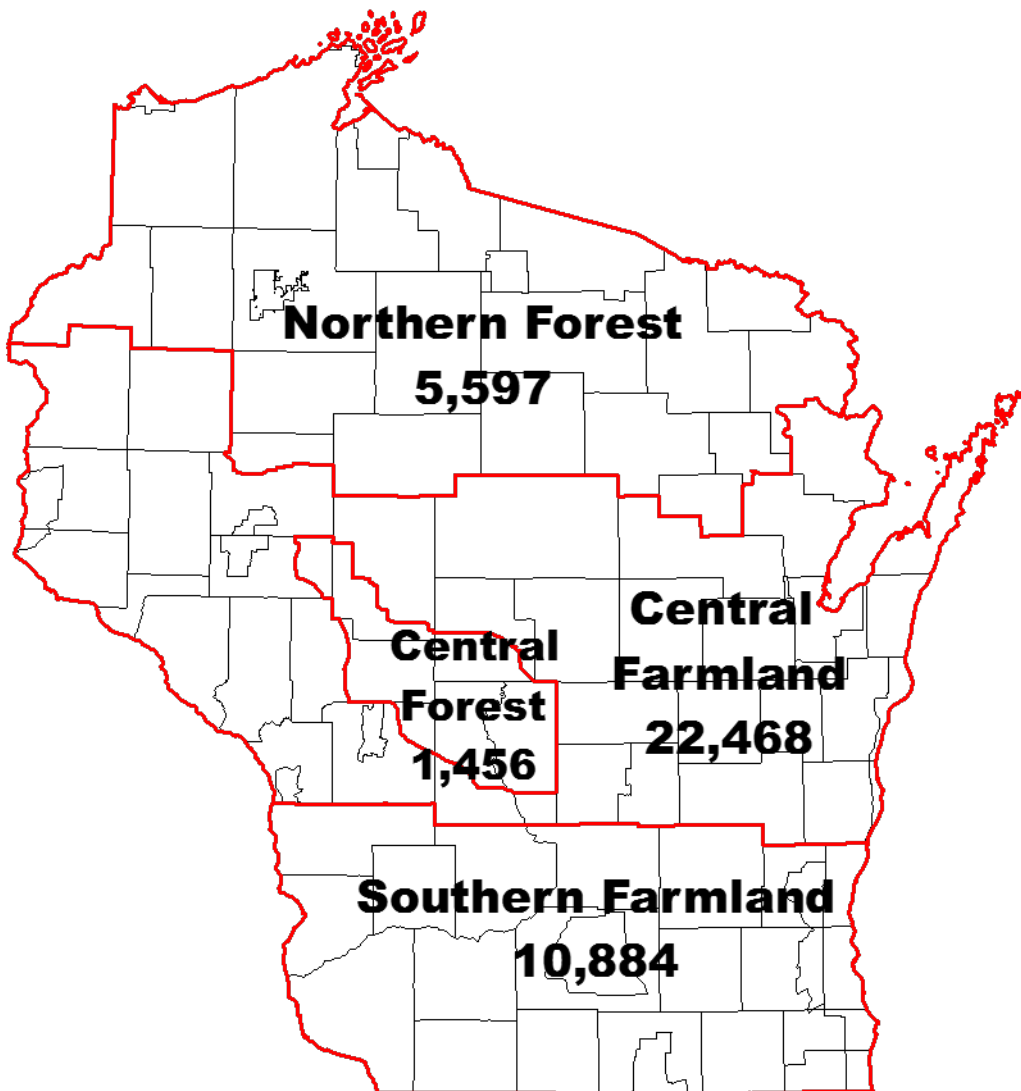
Deer Management Zone	County	Antlered	Antlerless	Unknown	Total
Northern Forest	Ashland	13	11		24
Northern Forest	Barron	5	2		7
Northern Forest	Bayfield	101	94		195
Northern Forest	Burnett	84	89		173
Central Farmland	Chippewa	1	1		2
Central Farmland	Clark	2	2		4
Northern Forest	Douglas	60	59		119
Northern Forest	Florence	4	1		5
Northern Forest	Forest	15	42		57
Northern Forest	Iron	1	7		8
Northern Forest	Langlade	2	4		6
Northern Forest	Lincoln	4	5		9
Northern Forest	Marinette	1	4		5
Northern Forest	Oconto	5	2		7
Northern Forest	Oneida	20	16		36
Central Farmland	Polk	3	2		5
Northern Forest	Price	4	11		15
Northern Forest	Rusk	6	3		9
Northern Forest	Sawyer	57	49		106
Northern Forest	Taylor	4	5		9
Northern Forest	Vilas	22	90		112
Northern Forest	Washburn	33	17		50
<b>Total</b>		<b>447</b>	<b>516</b>	<b>0</b>	<b>963</b>

# Bow Harvest

Wisconsin bow hunters killed 40,405 deer during the bow deer seasons (Table 14).

**Table 13.** *The 2018 bow deer harvest by deer management zone.*

Deer Management Zone	Antlered	Antlerless	Unknown	Total
Central Farmland	11,174	11,294	0	22,468
Central Forest	1,032	424	0	1,456
Northern Forest	3,388	2,209	0	5,597
Southern Farmland	6,082	4,802	0	10,884
Unknown	0	0	0	0
<b>Total</b>	<b>21,676</b>	<b>18,729</b>	<b>0</b>	<b>40,405</b>



**Figure 6.** *The 2018 bow deer harvest by deer management zone.*



**Table 14. Summary of the 2018 bow deer harvest by zone and unit (vertical bow).**

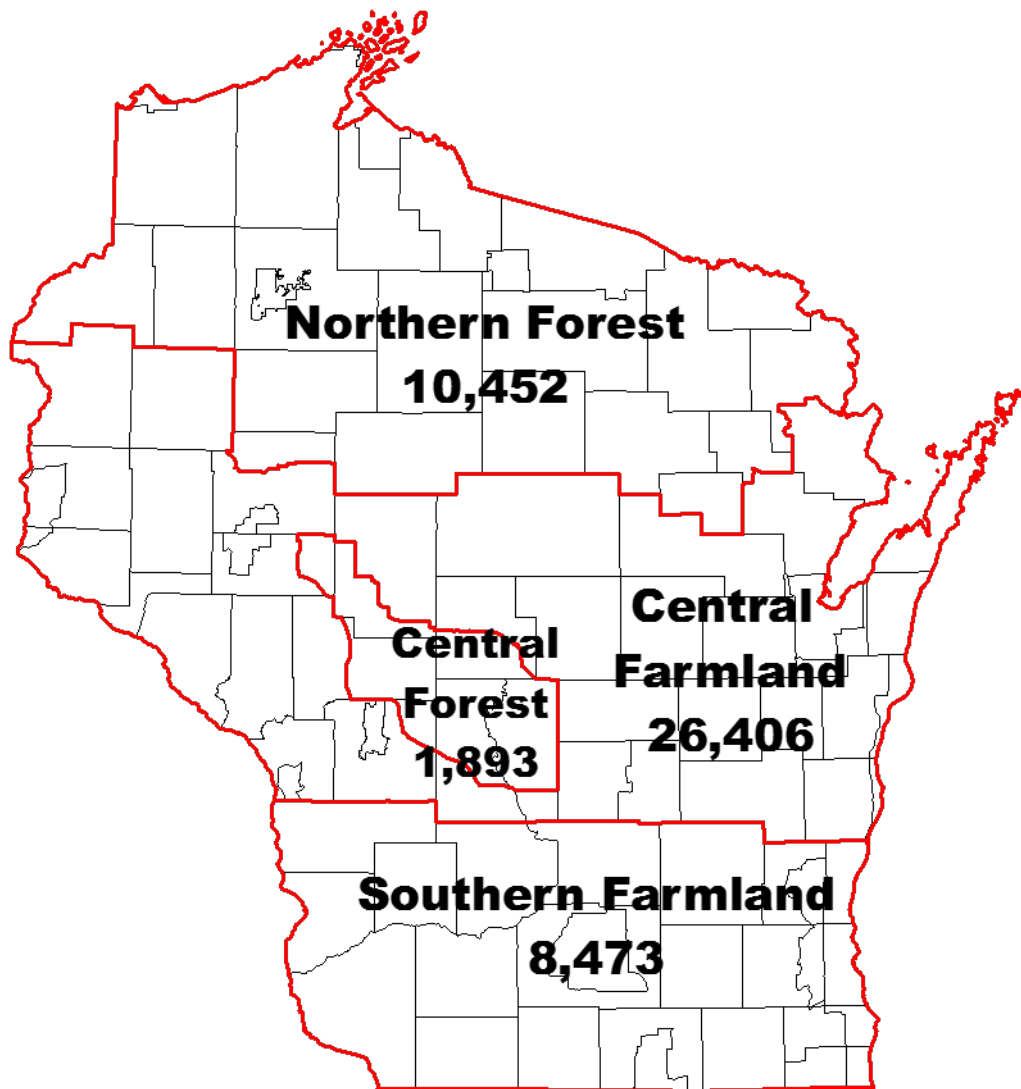
County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill	County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill
Adams	Central Farmland	100	111		211	Ashland	Northern Forest	92	47		139
Barron	Central Farmland	365	387		752	Apostle Islands	Northern Forest				0
Brown	Central Farmland	200	230		430	Bad River	Northern Forest	4			4
Buffalo	Central Farmland	589	485		1,074	Madeline Island	Northern Forest	2	5		7
Calumet	Central Farmland	96	93		189	Bayfield	Northern Forest	238	225		463
Chippewa	Central Farmland	242	160		402	Burnett	Northern Forest	248	258		506
Clark	Central Farmland	293	377		670	Chippewa	Northern Forest	80	26		106
Door	Central Farmland	167	285		452	Douglas	Northern Forest	251	113		364
Dunn	Central Farmland	415	364		779	Florence	Northern Forest	81	108		189
Eau Claire	Central Farmland	202	248		450	Forest	Northern Forest	109	14		123
Fond du Lac	Central Farmland	309	225		534	Iron	Northern Forest	39	1		40
Green Lake	Central Farmland	269	294		563	Lac Corte Oreilles	Northern Forest				0
Jackson	Central Farmland	336	262		598	Lac du Flambeau	Northern Forest	1			1
Juneau	Central Farmland	172	127		299	Langlade	Northern Forest	160	147		307
Kewaunee	Central Farmland	143	183		326	Lincoln	Northern Forest	190	153		343
La Crosse	Central Farmland	304	203		507	Marinette	Northern Forest	166	97		263
Manitowoc	Central Farmland	254	248		502	Menominee	Northern Forest				0
Marathon	Central Farmland	672	589		1,261	Oconto	Northern Forest	87	35		122
Marinette	Central Farmland	179	298		477	Oneida	Northern Forest	190	100		290
Marquette	Central Farmland	426	431		857	Price	Northern Forest	282	95		377
MCCoy	Central Farmland	55	59		114	Red Cliff	Northern Forest				0
Monroe	Central Farmland	415	398		813	Rusk	Northern Forest	271	187		458
Oconto	Central Farmland	300	394		694	Sawyer	Northern Forest	236	96		332
Outagamie	Central Farmland	313	309		622	Taylor	Northern Forest	335	261		596
Pepin	Central Farmland	125	140		265	Vilas	Northern Forest	132	70		202
Pierce	Central Farmland	301	285		586	Washburn	Northern Forest	194	171		365
Polk	Central Farmland	478	487		965	<b>Northern Forest Total</b>		<b>3,388</b>	<b>2,209</b>	<b>0</b>	<b>5,597</b>
Portage	Central Farmland	378	327		705	Columbia	Southern Farmland	532	355		887
St Croix	Central Farmland	347	395		742	Crawford	Southern Farmland	306	232		538
Shawano	Central Farmland	578	688		1,266	Dane	Southern Farmland	479	302		781
Sheboygan	Central Farmland	273	211		484	Dodge	Southern Farmland	374	241		615
Trempealeau	Central Farmland	522	430		952	Grant	Southern Farmland	441	395		836
Waupaca	Central Farmland	591	740		1,331	Green	Southern Farmland	205	161		366
Waushara	Central Farmland	369	437		806	Iowa	Southern Farmland	386	338		724
Winnebago	Central Farmland	177	139		316	Jefferson	Southern Farmland	247	219		466
Wood	Central Farmland	219	255		474	Kenosha	Southern Farmland	53	44		97
<b>Central Farmland Total</b>		<b>11,174</b>	<b>11,294</b>	<b>0</b>	<b>22,468</b>	Lafayette	Southern Farmland	195	127		322
Adams	Central Forest	285	182		467	Milwaukee	Southern Farmland	34	25		59
Clark	Central Forest	166	93		259	Ozaukee	Southern Farmland	100	110		210
Eau Claire	Central Forest	81	19		100	Racine	Southern Farmland	67	35		102
Jackson	Central Forest	162	36		198	Richland	Southern Farmland	448	368		816
Juneau	Central Forest	154	30		184	Rock	Southern Farmland	207	165		372
Monroe	Central Forest	69	11		80	Sauk	Southern Farmland	560	422		982
Wood	Central Forest	115	53		168	Vernon	Southern Farmland	550	511		1,061
<b>Central Forest Total</b>		<b>1,032</b>	<b>424</b>	<b>0</b>	<b>1,456</b>	Walworth	Southern Farmland	171	117		288
						Washington	Southern Farmland	339	363		702
						Waukesha	Southern Farmland	388	272		660
						<b>Southern Farmland Total</b>		<b>6,082</b>	<b>4,802</b>	<b>0</b>	<b>10,884</b>
						Unknown	Unknown				
						Unknown Total		0	0	0	0
						<b>Grand Total</b>		<b>21,676</b>	<b>18,729</b>	<b>0</b>	<b>40,405</b>

# Crossbow Harvest

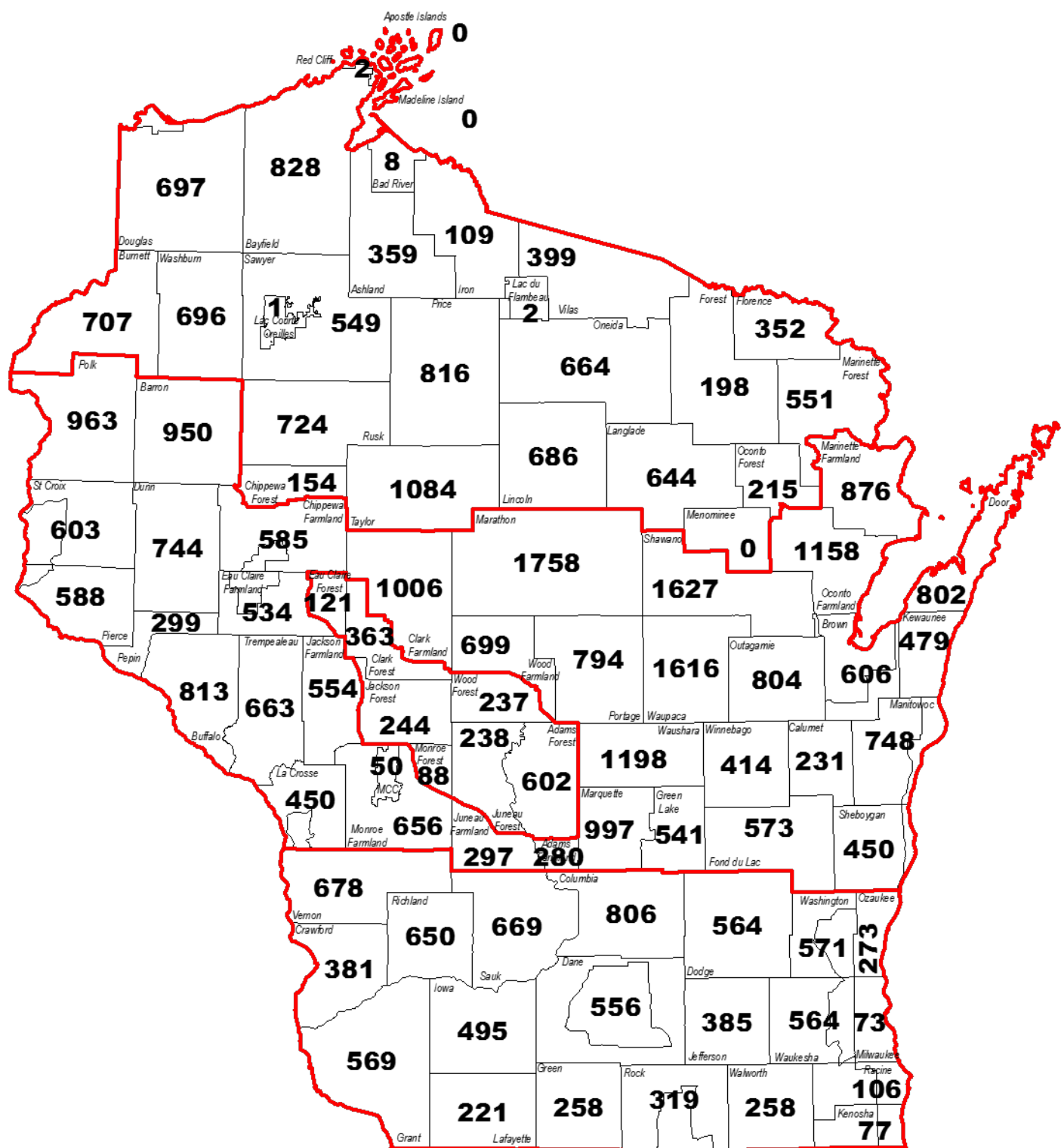
Wisconsin crossbow hunters killed 47,224 deer during the crossbow deer seasons (Table 16).

**Table 15.** *The 2018 crossbow deer harvest by deer management zone.*

Deer Management Zone	Antlered	Antlerless	Unknown	Total
Central Farmland	13,241	13,165	0	26,406
Central Forest	1,333	560	0	1,893
Northern Forest	6,602	3,850	0	10,452
Southern Farmland	4,780	3,693	0	8,473
Unknown				
<b>Total</b>	<b>25,956</b>	<b>21,268</b>	<b>0</b>	<b>47,224</b>



**Figure 8.** *The 2018 crossbow deer harvest by deer management zone.*



Total Crossbow Harvest = 47,224

Figure 9. The 2018 crossbow harvest by deer management zone and unit.



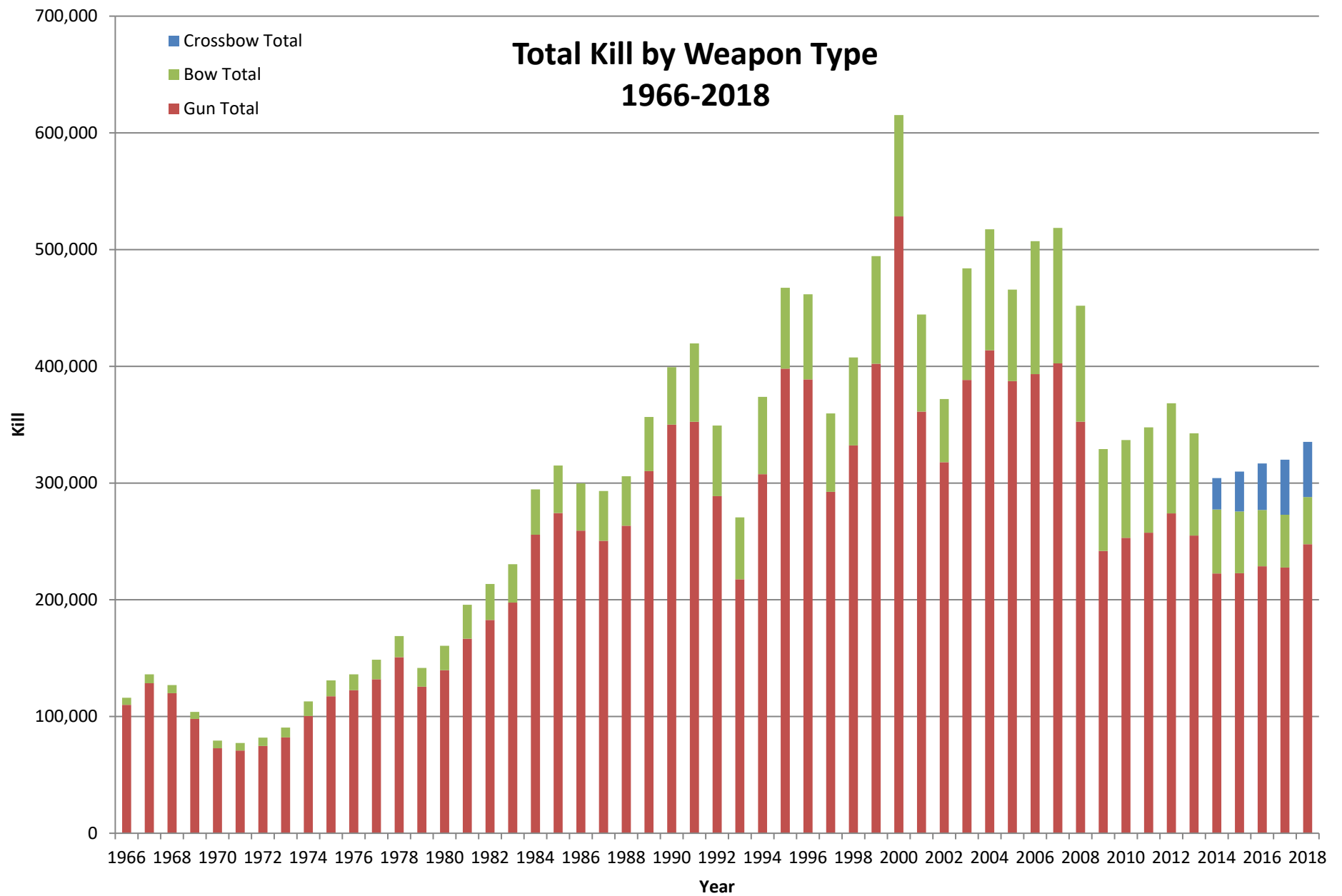
**Table 16. Summary of the 2018 crossbow deer harvest by zone and unit.**

County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill	County	Deer Management Zone	Antlered	Antlerless	Unks	Total Kill
Adams	Central Farmland	112	168		280	Ashland	Northern Forest	239	120		359
Barron	Central Farmland	452	498		950	Apostle Islands	Northern Forest				0
Brown	Central Farmland	310	296		606	Bad River	Northern Forest	8			8
Buffalo	Central Farmland	429	384		813	Madeline Island	Northern Forest	4	3		7
Calumet	Central Farmland	139	92		231	Bayfield	Northern Forest	442	386		828
Chippewa	Central Farmland	351	234		585	Burnett	Northern Forest	417	290		707
Clark	Central Farmland	440	566		1,006	Chippewa	Northern Forest	112	42		154
Door	Central Farmland	337	465		802	Douglas	Northern Forest	491	206		697
Dunn	Central Farmland	411	333		744	Florence	Northern Forest	180	172		352
Eau Claire	Central Farmland	235	299		534	Forest	Northern Forest	171	27		198
Fond du Lac	Central Farmland	317	256		573	Iron	Northern Forest	99	10		109
Green Lake	Central Farmland	274	267		541	Lac Corte Oreilles	Northern Forest	1			1
Jackson	Central Farmland	301	253		554	Lac du Flambeau	Northern Forest	2			2
Juneau	Central Farmland	158	139		297	Langlade	Northern Forest	345	299		644
Kewaunee	Central Farmland	241	238		479	Lincoln	Northern Forest	408	278		686
La Crosse	Central Farmland	237	213		450	Marinette	Northern Forest	374	177		551
Manitowoc	Central Farmland	380	368		748	Menominee	Northern Forest				0
Marathon	Central Farmland	948	810		1,758	Oconto	Northern Forest	153	62		215
Marinette	Central Farmland	358	518		876	Oneida	Northern Forest	411	253		664
Marquette	Central Farmland	517	480		997	Price	Northern Forest	611	205		816
MCCoy	Central Farmland	34	16		50	Red Cliff	Northern Forest	2			2
Monroe	Central Farmland	373	283		656	Rusk	Northern Forest	475	249		724
Oconto	Central Farmland	506	652		1,158	Sawyer	Northern Forest	384	165		549
Outagamie	Central Farmland	370	434		804	Taylor	Northern Forest	628	456		1,084
Pepin	Central Farmland	157	142		299	Vilas	Northern Forest	257	142		399
Pierce	Central Farmland	284	304		588	Washburn	Northern Forest	388	308		696
Polk	Central Farmland	505	458		963	<b>Northern Forest Total</b>		<b>6,602</b>	<b>3,850</b>	<b>0</b>	<b>10,452</b>
Portage	Central Farmland	437	357		794	Columbia	Southern Farmland	497	309		806
St Croix	Central Farmland	295	308		603	Crawford	Southern Farmland	225	156		381
Shawano	Central Farmland	752	875		1,627	Dane	Southern Farmland	334	222		556
Sheboygan	Central Farmland	241	209		450	Dodge	Southern Farmland	351	213		564
Trempealeau	Central Farmland	384	279		663	Grant	Southern Farmland	303	266		569
Waupaca	Central Farmland	766	850		1,616	Green	Southern Farmland	162	96		258
Waushara	Central Farmland	623	575		1,198	Iowa	Southern Farmland	284	211		495
Winnebago	Central Farmland	241	173		414	Jefferson	Southern Farmland	210	175		385
Wood	Central Farmland	326	373		699	Kenosha	Southern Farmland	46	31		77
<b>Central Farmland Total</b>		<b>13,241</b>	<b>13,165</b>	<b>0</b>	<b>26,406</b>	Lafayette	Southern Farmland	133	88		221
Adams	Central Forest	371	231		602	Milwaukee	Southern Farmland	37	36		73
Clark	Central Forest	225	138		363	Ozaukee	Southern Farmland	127	146		273
Eau Claire	Central Forest	99	22		121	Racine	Southern Farmland	71	35		106
Jackson	Central Forest	198	46		244	Richland	Southern Farmland	357	293		650
Juneau	Central Forest	195	43		238	Rock	Southern Farmland	207	112		319
Monroe	Central Forest	71	17		88	Sauk	Southern Farmland	377	292		669
Wood	Central Forest	174	63		237	Vernon	Southern Farmland	358	320		678
<b>Central Forest Total</b>		<b>1,333</b>	<b>560</b>	<b>0</b>	<b>1,893</b>	Walworth	Southern Farmland	139	119		258
						Washington	Southern Farmland	268	303		571
						Waukesha	Southern Farmland	294	270		564
						<b>Southern Farmland Total</b>		<b>4,780</b>	<b>3,693</b>	<b>0</b>	<b>8,473</b>
						Unknown	Unknown				
						Unknown Total		0	0	0	0
						<b>Grand Total</b>		<b>25,956</b>	<b>21,268</b>	<b>0</b>	<b>47,224</b>

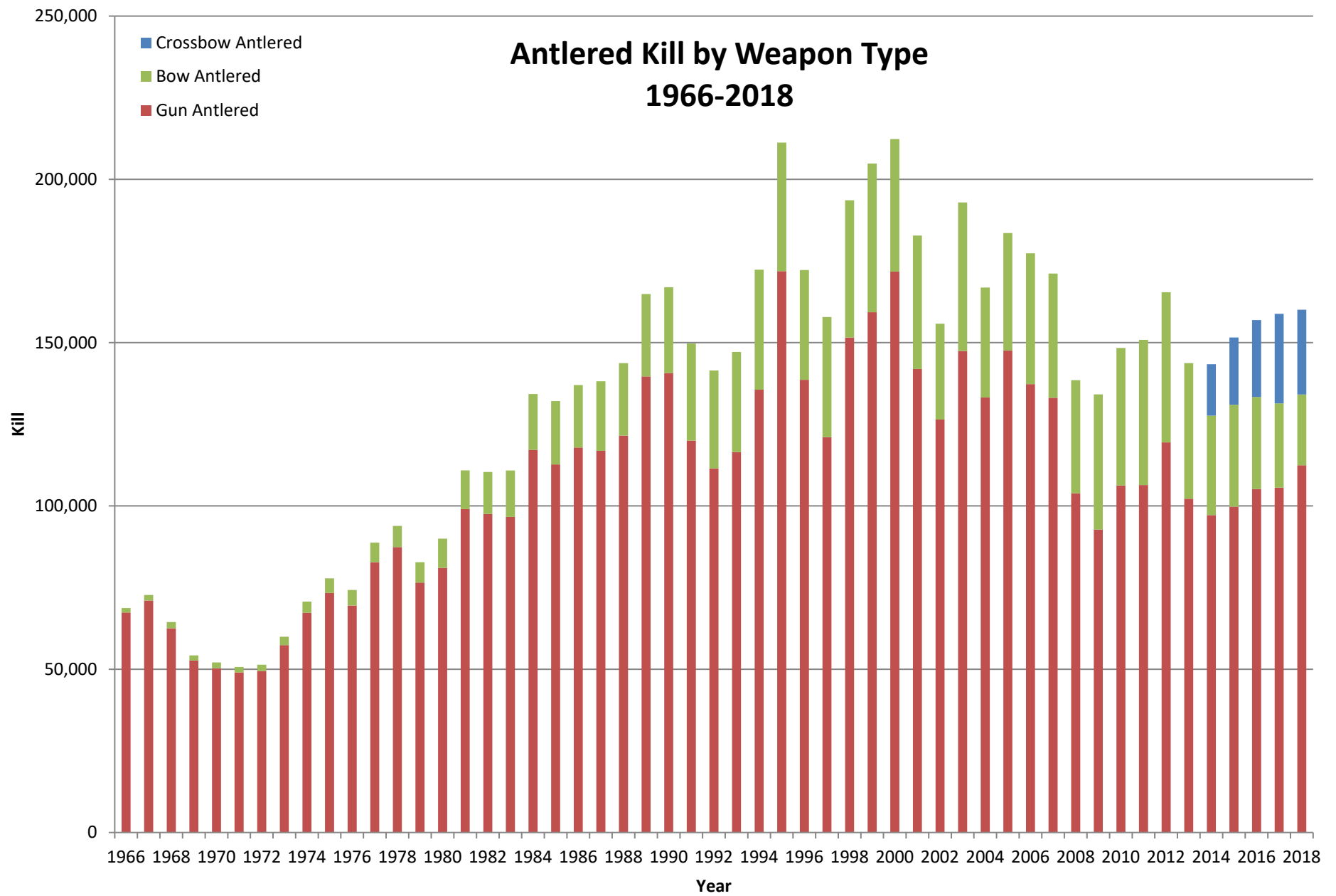
**Table 17. Wisconsin deer harvest and hunters 1966-2018.**

Year	<b>Firearm Season</b>				<b>Bow Season</b>				<b>Crossbow Season</b>			
	Antlered	Antlerless	Total	Licensed Hunters	Antlered	Antlerless	Total	Licensed Hunters <sup>1</sup>	Antlered	Antlerless	Total	Licensed Hunters <sup>2</sup>
1966	67,362	42,700	110,062	432,111	1,357	4,629	5,986	85,114				
1967	71,032	57,295	128,527	470,782	1,714	5,878	7,592	101,573				
1968	62,521	57,465	119,986	503,190	1,924	5,010	6,934	114,975				
1969	52,655	45,353	98,008	506,526	1,576	4,411	5,987	106,669				
1970	50,308	22,536	72,844	501,799	1,775	4,745	6,520	101,573				
1971	48,994	21,841	70,835	509,447	1,696	4,826	6,522	100,206				
1972	49,416	25,411	74,827	517,724	1,956	5,131	7,087	98,720				
1973	57,364	24,741	82,105	514,626	2,594	5,862	8,456	105,875				
1974	67,313	33,092	100,405	556,815	3,390	9,124	12,514	119,960				
1975	73,373	44,005	117,378	582,113	4,439	9,149	13,588	133,775				
1976	69,510	52,999	122,509	589,590	4,775	8,861	13,636	133,318				
1977	82,762	49,148	131,910	617,823	5,993	10,797	16,790	146,760				
1978	87,397	63,448	150,845	644,594	6,472	11,641	18,113	157,838				
1979	76,550	49,020	125,570	617,109	6,203	9,815	16,018	144,511				
1980	81,041	58,583	139,624	618,333	8,950	12,004	20,954	155,386				
1981	99,034	67,639	166,673	629,034	11,867	17,216	29,083	173,874				
1982	97,534	85,181	182,715	637,320	12,854	17,996	30,850	189,524				
1983	96,628	100,672	197,600	649,972	14,208	18,668	32,876	194,367				
1984	117,197	138,726	255,726	657,969	17,049	21,842	38,891	205,132				
1985	112,701	161,601	274,302	670,329	19,396	21,348	40,744	215,900				
1986	117,886	140,882	259,240	662,771	19,126	21,256	40,490	216,472				
1987	116,881	133,393	250,530	660,400	21,278	21,253	42,651	208,675				
1988	121,536	141,888	263,424	653,790	22,213	20,180	42,393	210,518				
1989	139,651	170,282	310,192	661,713	25,249	20,994	46,394	210,912				
1990	140,726	209,005	350,040	699,275	26,263	22,860	49,291	216,981				
1991	120,009	232,330	352,520	674,422	29,739	37,110	67,097	216,559				
1992	111,476	177,245	288,820	666,570	29,992	30,324	60,478	220,872				
1993	116,507	100,977	217,584	652,491	30,661	22,274	53,008	224,008				
1994	135,574	171,945	307,629	670,776	36,772	29,419	66,254	234,077				
1995	171,891	225,846	398,002	684,944	39,379	29,790	69,269	244,262				
1996	138,622	250,011	388,791	677,072	33,625	39,224	72,941	235,780				
1997	121,050	171,296	292,513	671,706	36,812	30,264	67,115	237,991				
1998	151,575	180,601	332,254	668,958	42,010	33,251	75,301	241,391				
1999	159,296	242,908	402,204	690,194	45,562	46,641	92,203	252,322				
2000	171,753	356,741	528,494	694,712	40,579	46,220	86,799	258,002				
2001	141,942	219,322	361,264	688,540	40,867	42,217	83,120	260,239				
2002	126,470	191,418	317,888	618,945	29,322	24,831	54,133	227,124				
2003	147,436	240,908	388,344	644,818	45,498	50,109	95,607	247,211				
2004	133,223	280,571	413,794	649,955	33,635	69,937	103,572	252,602				
2005	147,622	239,688	387,310	641,771	35,935	42,515	78,450	247,309				
2006	137,278	256,028	393,306	644,906	40,081	73,837	113,918	258,394				
2007	133,131	269,432	402,563	641,432	38,011	77,999	116,010	258,854				
2008	103,845	248,756	352,601	643,266	34,662	64,622	99,284	266,435				
2009	92,754	149,108	241,862	638,842	41,402	45,839	87,241	261,964				
2010	106,263	146,775	253,038	622,542	42,115	41,718	83,833	254,014				
2011	106,396	151,115	257,511	622,860	44,443	45,757	90,200	255,426				
2012	119,469	154,578	274,047	634,821	45,988	48,279	94,267	263,860				
2013	102,221	152,782	255,003	634,655	41,517	46,111	87,628	266,380				
2014	97,196	125,392	222,588	609,816	30,433	24,377	54,810	232,718	15,768	11,123	26,891	113,506
2015	99,757	122,974	222,731	613,177	31,229	21,775	53,004	227,710	20,594	13,500	34,094	131,298
2016	105,186	123,540	228,726	599,856	28,172	20,100	48,272	220,563	23,562	16,214	39,776	149,385
2017	105,598	122,047	227,645	589,658	25,808	19,358	45,166	220,854	27,406	19,822	47,228	163,663
2018	112,443	135,171	247,614	577,600 <sup>a</sup>	21,676	18,729	40,405	208,060 <sup>a</sup>	25,956	21,268	47,224	171,993 <sup>a</sup>

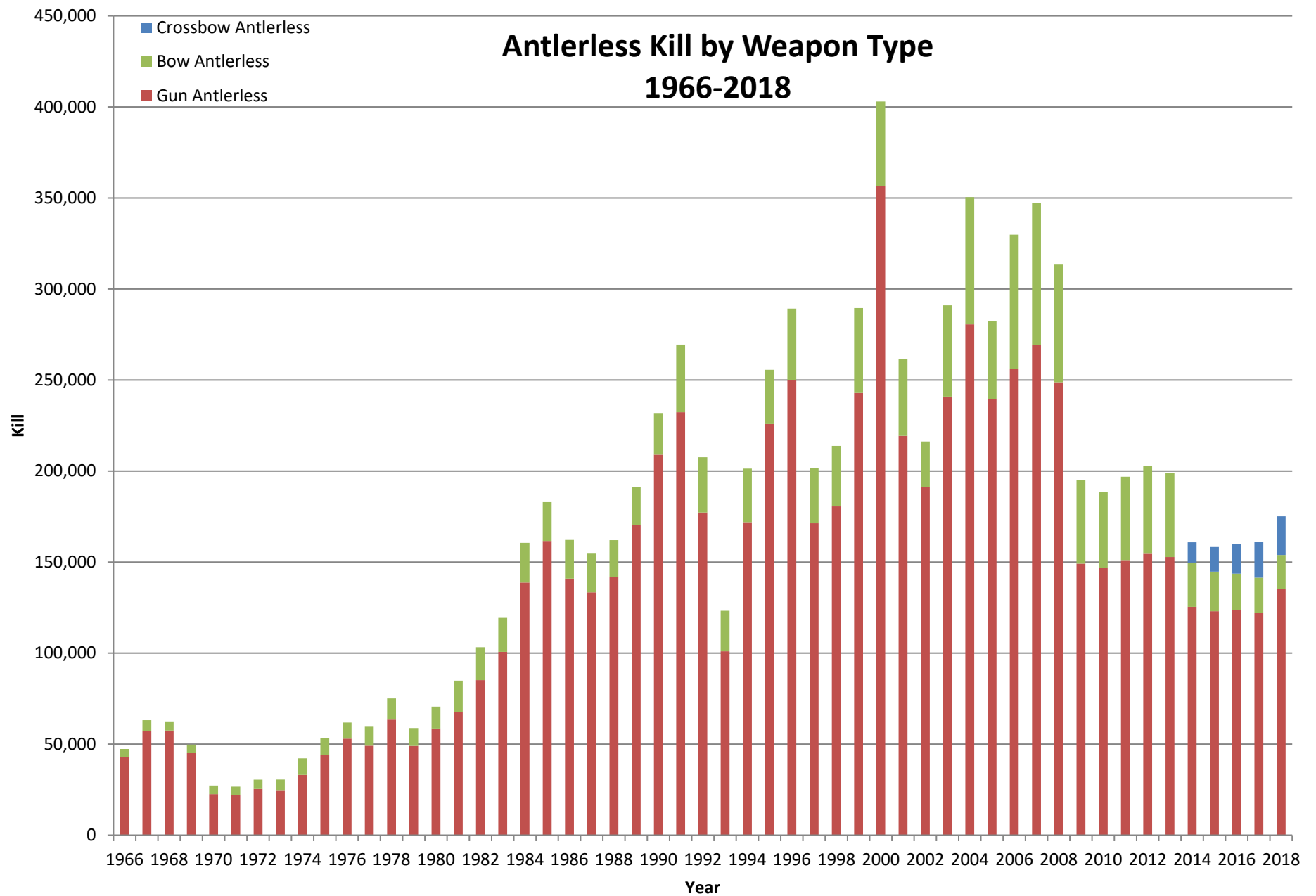
<sup>a</sup> Numbers are preliminary<sup>1</sup> Includes bow, conservation patron, and crossbow authorities that purchased bow upgrade<sup>2</sup> Includes crossbow, conservation patron, and bow authorities that purchased crossbow upgrade



**Figure 10.** *Total deer harvest by weapon type, 1966-2018.*



**Figure 11.** Antlered deer harvest by weapon type, 1966-2018.



**Figure 12.** Antlerless deer harvest by weapon type, 1966-2018.

# Hunting Accident Report

By Brenda Von Rueden  
Bureau of Law Enforcement

2018 Bow Season, 15 September - 6 January  
2018 Crossbow Season, 15 September - 6 January  
2018 Youth Deer Season, 6 - 7 October  
2018 9-Day Firearm Deer Season, 17 - 25 November  
2018 Muzzleloader Deer Season, 26 November - 5 December  
2018 December Antlerless Only Firearm Deer Season, 6 – 9 December  
2018 Holiday Hunt Antlerless Only Firearm Deer Season, 24 December – 1 January

**Table 18.** *The 9-day firearm deer season accident summary by DNR region.*

<b>DNR Region</b>	<b>Fatal</b>	<b>Non-Fatal</b>	<b>Total</b>
Central Farmland	0	2	2
Central Forest	0	0	0
Northern Forest	0	1	1
Southern Farmland	0	2	2
<b>Total</b>	<b>0</b>	<b>5</b>	<b>5</b>

**Table 19.** *The bow, crossbow, muzzleloader, December antlerless only, and holiday hunt deer seasons accident summary by DNR region.*

<b>DNR Region</b>	<b>Fatal</b>	<b>Non-Fatal</b>	<b>Total</b>
Central Farmland	0	0	0
Central Forest	0	0	0
Northern Forest	0	1	1
Southern Farmland	0	0	0
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>

- 3 accidents (50%) were a result of hunters shooting themselves.
- 2 accident (33%) involved victim and shooter being members of the same hunting party.
- One accident occurred outside the 9-day firearm deer season.
- No fatal accidents occurred in 2018.

## 2018 Hunting Accident Synopsis

### Type of Accident

SI = Self Inflicted Injury

SP = Shooter and Victim in Same Party

M = Male

F = Female

**Table 20.** Summary of the 2018 deer hunter accidents by incident.

#	Date/Time	Location	Injury Description	Fatal	Self Inflicted (SI) or Same Party (SP)	Shooter Age / Sex / Hunter Safety Certified	Victim Age / Sex / Hunter Safety Certified	Type of Firearm
1	11/18/2018 1:20pm	Columbia Private	Flesh wound to the top of left foot/ankle area	No	SP – Same Party	24yr M Yes	23yr M Yes	.308 Caliber Semi- Auto Action Rifle
Synopsis: The shooter and victim were part of a 6-person deer drive. The victim started walking into a low wet area with thick red willow. Victim jumped a deer and as it started running towards the standers the shooter shot 2 rounds striking victim in left foot.								
2	11/18/2018 3:30pm	Polk Private	Possible graze wound from stray bullet. Doctor called it a contusion, no stitches were needed	No	Neither	Unknown	61yr M No	Unknown
Synopsis: The shooter is unknown. Victim was knocked unconscious while checking his cattle and reported the incident a month later.								
3	11/18/2018 5:05pm	Dunn Private	Bullet wound to forearm	No	SP – Same Party	17yr M Yes	21yr M Yes	30.06 Caliber Unknown Action Rifle
Synopsis: The shooter shot after hours at what he assumed was a deer hitting victim who was field dressing a deer at the time.								
4	11/20/2018 2:45pm	Bayfield Private	Gunshot entrance wound to right wrist and exit wound on right arm	No	SI – Self Inflicted	58yr M No	Same as shooter	.32 Special Caliber Lever Action Rifle
Synopsis: Shooter/Victim leaned rifle against ladder stand. Shooter/victim climbed up stand to clear snow from seat and while standing at the top of the ladder stand the rifle discharged striking the victim.								
5	11/24/2018 12:00pm	Sauk Private	Left hand superficial graze wound to palm	No	SI – Self Inflicted	39yr M Yes	Same as Shooter	10mm Caliber Semi- Auto Action Handgun
Synopsis: Shooter/Victim was getting ready to leave the field after hunting deer. Shooter/victim was unloading handgun when the hammer of the firearm went forward causing slide to go forward and discharge.								

**Table 20.** *Summary of the 2018 deer hunter accidents by incident.*

#	Date/Time	Location	Injury Description	Fatal	Self Inflicted (SI) or Same Party (SP)	Shooter Age / Sex / Hunter Safety Certified	Victim Age / Sex / Hunter Safety Certified	Type of Firearm
6	12/01/2018 8:30am	Douglas Private	Bullet entered front left chest and exited in the same general area	No	SI – Self Inflicted	65yr M No	Same as shooter	.50 Caliber Muzzle Loader Rifle

Synopsis: Shooter/Victim was hunting deer. Shooter/victim lost grip of their muzzle loader rifle causing it to fire when it hit the ground.



# 2018 Deer Ages and Condition

by Joseph Ditttrich and Daniel J. Storm

## **Abstract**

Harvest age structure provides information on the dynamics of the deer herd. Yearling doe percentages were below the 5-year and long-term averages in all regions and seven of nine regions differed from the 5-year average by >10%. Relative to 5-year and long-term means, 2018 yearling buck percentages were below average in all regions. The decrease in yearling buck percentages may reflect decreased over-winter survival of young-of-the-year from the 2017-2018 winter. The decrease could also be the result of hunter selection of older bucks. The percentage of yearling bucks with forked antlers was above the 5-year average for the northwest forest and western farmland, equal to the 5-year average in the southwestern farmland, and below the 5-year average in all other regions.

## **Introduction**

Sampling age composition of Wisconsin's deer herd using hunter-killed deer is an essential component of Wisconsin's deer population monitoring program. Age composition data by deer management unit (DMU) supports population modeling used to estimate DMU deer herd sizes and to set annual harvest quotas. Age samples are also used to interpret harvest changes.

## **Methods**

Deer were aged using the molariform tooth wear and replacement method. Yearling antler development was recorded as "sub-legal" or short spikes (< 3" antler), legal spikes ( $\geq 3$ " spikes), and forked bucks (forked antlers and larger). Trends in yearling buck percent, yearling doe percent, and antler development were estimated by pooling DMUs across groupings of adjacent counties. The 2018 data were compared to 5-year and long-term (1997-2018) averages. County age samples for 1997-2013 were approximated from groupings of DMUs that included the county.

## **Results and Discussion**

In 2018, field staff aged 15,168 adult deer and an additional 9,673 through CWD surveillance sampling. There were 3% more adult deer aged in 2018 than 2017 ( $n = 14,760^1$ ), and 2% fewer than 2016 ( $n = 15,418$ ). Fawns are not included in these aging totals because they are not used in the following calculations of yearling buck percent, yearling doe percent, and percent of yearlings with forked antlers.

## **Buck ages**

Yearling bucks comprised between 44-53% of the total buck harvest in the forest zone county groups during 2018, below the 5-year and long-term means (Table 1). The lower-than-average yearling percentages may reflect decreased deer recruitment, hunter selection of older bucks, a decrease in hunter pressure, or a growing deer population. Yearling buck percentages in the northern forest show significant annual variation, most likely due to the variable recruitment that

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<sup>1</sup> This number was incorrectly reported as 18,206 in the 2017 Deer Ages and Condition report, which was the total number of deer aged including fawns.

occurs there. Nevertheless, variation in hunter pressure and weather conditions in this region during the 9-day firearm season could cause similar variation in buck harvest rates.

In farmland zone county groups, yearling buck percentages were below 5-year and long-term means in all regions (Table 1). In general, there has been a long-term decline in farmland yearling buck percentages. The decline could be due to increased deer populations relative to hunter numbers which would reduce buck harvest rates, and/or hunter selection against yearling bucks. Reduced recruitment could also contribute to lower yearling buck percentages. Yearling doe percentages have generally declined in the farmlands as well (discussed below), supporting the notion that recruitment could be declining, most likely due to unprecedentedly high deer abundance in the farmlands and subsequent reduction in natural forage such as woody browse. Reduction in natural forage availability could lead to reduced deer recruitment through later average age-at-first-reproduction and reduced fawn survival. However, yearling buck percentages have declined at a faster rate than yearling doe percentages, suggesting that reduced harvest rate and/or increased hunter selectivity is at least partially driving this trend.

**Table 1.** *Regional trends in percent yearling bucks in the buck harvest, 2014-2018.*

Region	5 Year Mean (%)	Long-term Mean (%)*	Yearling Buck Percentages					Percent 2018 is off 5-yr. Mean
			2014	2015	2016	2017 <sup>2</sup>	2018	
Northwest Forest	54	53	45	53	60	56	44	-19
Northcentral Forest	56	53	49	55	65	59	51	-9
Northeast Forest	60	62	48	63	70	66	53	-12
Central Forest	58	56	49	59	62	60	49	-16
Central Farmland	56	59	47	58	61	59	52	-7
Lake Michigan Farmland	57	61	54	56	56	57	50	-12
Western Farmland	55	57	48	59	58	59	46	-16
Southeastern Farmland	52	53	56	53	48	46	38	-27
Southwestern Farmland	39	46	38	43	39	34	30	-23

\*1997-2018

<sup>2</sup> The 2017 yearling buck percentages published in the 2017 Deer Ages and Condition report were incorrect and have been updated in this report.

### ***Doe ages***

Yearling doe percentages were substantially below the 5-year and long-term averages in all regions. Yearling doe percentages in farmland zone county groups have declined over time (Table 2). Long-term decreases in yearling doe percentages across the farmland regions may be attributed to decreased reproduction and survival to 1 year of age resulting from a legacy of past high deer populations and over-browsed woodlands and reduced nutrition. Predator populations may play a role in these changes; however, our research using collared deer shows that predation increases when deer are in poor nutritional condition.

**Table 2.** *Regional trends in percent yearling does in the doe harvest, 2014-2018.*

Region	5 Year Mean (%)	Long-term Mean (%)*	Yearling Doe Percentages					Percent 2018 is off 5-yr. Mean
			2014	2015	2016	2017 <sup>3</sup>	2018	
Northwest Forest	30	28	40	28	30	27	23	-23
Northcentral Forest	23	27	13	23	27	27	22	-4
Northeast Forest	23	27	21	27	31	19	19	-17
Central Forest	31	29	25	36	35	32	26	-16
Central Farmland	30	34	30	30	29	30	25	-17
Lake Michigan Farmland	32	37	35	30	29	28	26	-19
Western Farmland	33	35	33	36	32	34	27	-18
Southeastern Farmland	35	36	34	35	31	33	31	-11
Southwestern Farmland	28	32	28	29	29	28	26	-7

\*1997-2018

### ***Antler development***

Estimates of the percentage of yearling bucks with forked antlers in 2018 were above than 5-year mean in the northwest forest and western farmland, equal to the 5-year mean in the southwestern farmland, and below the 5-year mean in all other regions. Notable differences in antler development continue to occur between heavily forested and farmland regions, and is likely explained by habitat productivity, winter weather, and deer herd densities relative to biological carrying capacity. Less severe winter conditions and distribution of high-quality food resources (e.g. agricultural crops) throughout the farmland regions allow for increased carrying capacity and buffer deer herds against winter impacts on spring/summer body conditions and yearling antler development.

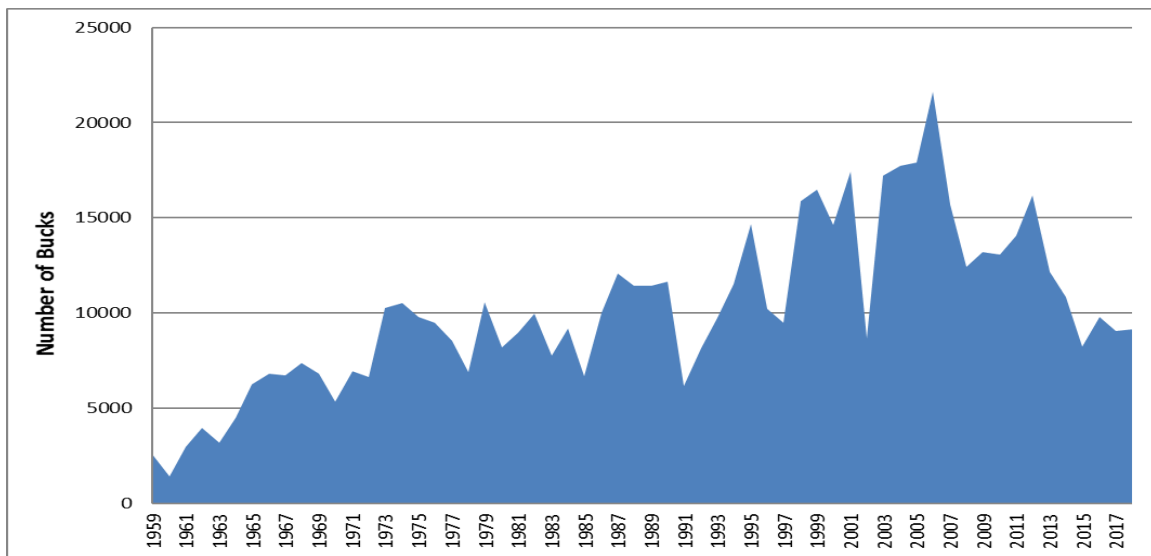
<sup>3</sup> The 2017 yearling doe percentages published in the 2017 Deer Ages and Condition report were incorrect and have been updated in this report.

**Table 3.** *Trends in antler development of yearling bucks, 2014-2018.*

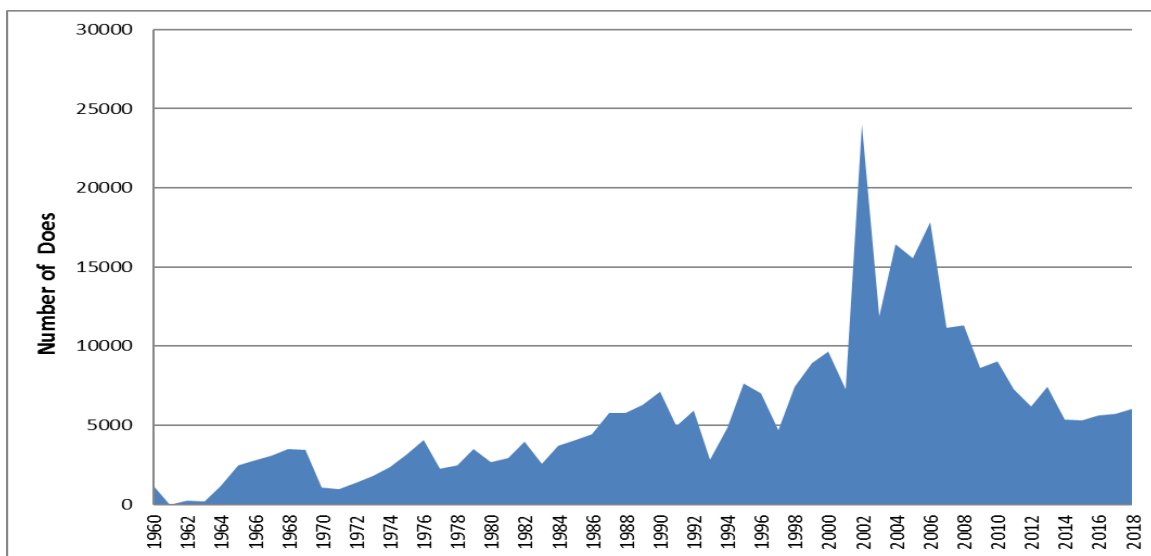
Region	5 Year Mean (%)	Long-term Mean (%)*	% of Yearling Forked Buck in Harvest					Percent 2018 is off 5-yr. Mean
			2014	2015	2016	2017	2018	
Northwest Forest	58	60	40	66	78	65	62	7
Northcentral Forest	59	58	53	61	70	62	58	-2
Northeast Forest	61	61	58	64	66	55	46	-25
Central Forest	68	63	63	73	79	62	64	-6
Central Farmland	83	86	80	86	88	79	77	-7
Lake Michigan	89	91	89	89	91	87	84	-6
Western Farmland	86	88	87	84	91	85	88	2
Southeastern	90	93	90	91	92	88	86	-4
Southwestern	90	93	96	91	88	86	90	0

\*1997-2018

**Acknowledgements:** Thank you to DNR personnel and volunteers for collecting deer age and antler data and to meat processors for their cooperation.



**Figure 1.** *The number of adult bucks aged, 1959–2018.*



**Figure 2.** *The number of adult does aged, 1960–2018.*