

# **ARCHERY DEER**

There were 26,566 archery deer licenses issued in 2009 (23,495 resident, 3,071 nonresident). All were single any-deer tags, single antlerless-deer tags, or double-antlerless deer tags for the Statewide, LM1, East River or West River units.

A random sampling of 3,979 (15%) hunters was taken and 3,252 responded for a return rate of 82%. Approximately 59% of responding hunters used the Internet response system.

The 2009 Archery season ran from September 26, 2009 through January 31, 2010. Licensed "any deer" hunters who did not fill their license by December 31 were allowed to continue hunting through January for antlerless deer only. Respondents reported hunting 12.34 days per hunter, which projects to a total of 220,072 recreation days for the season.

The projected deer harvest for the archery season was 8,939 deer (4,228 whitetail bucks, 3,960 whitetail does, 488 mule deer bucks, and 266 mule deer does). The success rate for the season was 31%. The five counties with the highest reported harvest were Brown, Minnehaha, Pennington, Yankton, and Lawrence.

Hunters were also asked to identify if they harvested a deer in the Black Hills or on or between Farm and LaFramboise Islands in Hughes County. Estimates indicated 854 deer were harvested in the Black Hills and 62 on or between Farm and LaFramboise Islands.

Satisfaction was also measured (1=very dissatisfied to 7=very satisfied) and the average response for this season was 5.12.

## Summary comparison of the 2000-2009 Archery Deer seasons

YEAR	Licenses Sold		Harvest					Total	Success	Avg Days Hunted	Average Satisfctn
			Bucks		Does						
	Res	Nonres	WT	Mule	WT	Mule					
2000	11,403	840	1,894	204	1,068	112	3,278	27%	11.29	5.33	
2001	12,666	1,074	2,297	314	1,121	98	3,830	28%	12.49	5.17	
2002	13,532	1,160	2,431	262	1,428	103	4,224	28%	12.43	5.30	
2003	14,270	1,440	2,557	287	1,726	120	4,692	29%	11.85	5.43	
2004	15,377	1,642	3,097	322	1,836	141	5,396	31%	12.84	5.25	
2005	17,597	1,920	4,144	490	3,306	289	8,229	37%	13.21	5.35	
2006	19,595	2,308	3,423	425	3,812	316	7,976	32%	13.35	4.28	
2007	20,863	2,459	3,589	538	3,664	352	8,143	30%	12.47	5.11	
2008	21,990	2,649	3,860	551	4,147	427	8,985	31%	12.36	5.10	
2009	23,495	3,071	4,228	488	3,960	266	8,939	31%	12.34	5.12	

## **2009 General Archery Deer Harvest Projections**

Unit	Hunters	Licenses Available	Harvest Projections										Total Deer Harvest	Avg Days Hunted	Avg Satisfaction				
			Licenses Sold		Tags Sold	Response Rate	Tag Success	Whitetail				Mule Deer							
			Resident	Nonresident				Bucks		Does		Bucks				Does			
								Adult	Fawn	Adult	Fawn	Adult				Fawn	Adult	Fawn	
All units	17,834	Unlimited	23,495	3,071	28,718	82%	#	31%	3,833	395	3,532	428	472	16	230	33	8,939	12.34	5.12

# Units with less than 85% response rate and may not be within accepted tolerance for data accuracy.

# 2009 Archery Deer Harvest Distribution by County Hunted Most

Last Revised:

30-Apr-10

County	Reported Harvest									Projected Harvest													
	Whitetail				Mule Deer				Total	Whitetail				Mule Deer				Black Hills Estimate	Farm/LeFram Estimate	Total			
	Bucks		Does		Bucks		Does			Bucks		Does		Bucks		Does				Estimate	Estimate	Estimate	%
	Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn		Adult	Fawn	Adult	Fawn	Adult	Fawn	Adult	Fawn						
Minnehaha	32	6	38	8	2	0	0	0	86	180	35	214	45	11	0	0	0	17	0	484	5.4%		
Pennington	24	0	29	5	5	1	1	1	66	135	0	163	28	28	5	6	5	292	0	371	4.1%		
Brown	52	9	55	2	0	0	1	0	119	292	52	309	11	0	0	6	0	0	11	670	7.5%		
Beadle	12	0	10	0	0	0	0	0	22	67	0	56	0	0	0	0	0	0	0	124	1.4%		
Codington	13	2	14	1	0	0	0	0	30	73	12	79	6	0	0	0	0	0	0	169	1.9%		
Brookings	19	2	26	2	2	0	1	0	52	107	12	146	11	11	0	6	0	11	0	293	3.3%		
Yankton	29	4	25	2	0	0	0	0	60	163	23	141	11	0	0	0	0	0	0	338	3.8%		
Davison	9	2	7	1	2	0	0	0	21	51	12	39	6	11	0	0	0	0	0	118	1.3%		
Lawrence	19	2	25	3	2	0	7	0	58	107	12	141	17	11	0	39	0	219	0	326	3.7%		
Aurora	10	0	6	2	0	0	1	0	19	56	0	34	11	0	0	6	0	0	0	107	1.2%		
Bennett	2	0	2	0	1	0	2	0	7	11	0	11	0	6	0	11	0	0	0	39	0.4%		
Bon Homme	13	1	16	5	1	0	0	0	36	73	6	90	28	6	0	0	0	0	0	203	2.3%		
Brule	8	0	7	0	1	0	3	0	19	45	0	39	0	6	0	17	0	6	0	107	1.2%		
Buffalo	1	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0	6	0.1%		
Butte	12	1	6	0	1	0	0	0	20	67	6	34	0	6	0	0	0	6	0	113	1.3%		
Campbell	1	0	1	0	0	0	0	0	2	6	0	6	0	0	0	0	0	0	0	11	0.1%		
Charles Mix	19	1	19	1	6	0	1	0	47	107	6	107	6	34	0	6	0	11	0	264	3.0%		
Clark	15	1	12	1	0	0	0	0	29	84	6	67	6	0	0	0	0	6	0	163	1.8%		
Clay	9	1	15	2	1	0	0	0	28	51	6	84	11	6	0	0	0	0	0	158	1.8%		
Corson	3	0	4	0	1	0	0	0	8	17	0	22	0	6	0	0	0	0	0	45	0.5%		
Custer	12	0	11	3	2	0	2	0	30	67	0	62	17	11	0	11	0	118	0	169	1.9%		
Day	9	0	8	1	0	0	0	0	18	51	0	45	6	0	0	0	0	0	0	101	1.1%		
Deuel	9	1	3	3	0	0	0	0	16	51	6	17	17	0	0	0	0	0	0	90	1.0%		
Dewey	2	1	1	1	0	0	0	0	5	11	6	6	6	0	0	0	0	0	0	28	0.3%		
Douglas	4	0	2	1	0	1	0	0	8	22	0	11	6	0	5	0	0	0	0	45	0.5%		
Edmunds	12	0	6	5	0	0	0	0	23	67	0	34	28	0	0	0	0	0	0	129	1.4%		
Fall River	4	0	14	0	8	0	5	1	32	22	0	79	0	45	0	28	5	28	6	180	2.0%		
Faulk	6	0	6	0	0	0	0	0	12	34	0	34	0	0	0	0	0	0	0	67	0.8%		
Grant	22	3	11	0	1	0	0	0	37	123	17	62	0	6	0	0	0	0	0	208	2.3%		
Gregory	12	1	17	2	3	0	1	1	37	67	6	96	11	17	0	6	5	0	0	208	2.3%		
Haakon	1	0	2	1	6	0	1	0	11	6	0	11	6	34	0	6	0	0	11	62	0.7%		
Hamlin	12	5	22	3	0	0	0	0	42	67	29	124	17	0	0	0	0	0	0	237	2.7%		
Hand	9	1	6	2	1	0	0	0	19	51	6	34	11	6	0	0	0	0	0	107	1.2%		
Hanson	7	2	6	0	2	0	0	0	17	39	12	34	0	11	0	0	0	6	0	96	1.1%		
Harding	1	0	3	0	7	0	0	0	11	6	0	17	0	39	0	0	0	0	0	62	0.7%		
Hughes	10	1	5	0	0	0	2	0	18	56	6	28	0	0	11	0	0	17	0	101	1.1%		
Hutchinson	6	0	4	0	0	0	0	0	10	34	0	22	0	0	0	0	0	0	0	56	0.6%		
Hyde	11	1	3	0	0	0	1	0	16	62	6	17	0	0	0	6	0	0	0	90	1.0%		
Jackson	1	0	0	0	2	0	0	0	3	6	0	0	0	11	0	0	0	11	0	17	0.2%		
Jerauld	11	2	11	0	2	0	0	0	26	62	12	62	0	11	0	0	0	0	0	146	1.6%		
Jones	2	0	2	0	4	0	1	0	9	11	0	11	0	22	0	6	0	11	51	0.6%			
Kingsbury	16	1	14	0	2	0	0	0	33	90	6	79	0	11	0	0	0	0	0	186	2.1%		
Lake	16	4	6	1	0	0	0	0	27	90	23	34	6	0	0	0	0	0	0	152	1.7%		
Lincoln	23	4	12	1	0	0	0	0	40	129	23	67	6	0	0	0	0	0	0	225	2.5%		
Lyman	9	1	11	0	2	0	0	0	23	51	6	62	0	11	0	0	0	0	0	129	1.4%		
McCook	11	1	8	1	1	0	0	0	22	62	6	45	6	6	0	0	0	6	0	124	1.4%		
McPherson	0	0	3	1	0	0	0	0	4	0	0	17	6	0	0	0	0	0	0	22	0.3%		
Marshall	9	0	8	0	0	0	0	0	17	51	0	45	0	0	0	0	0	6	0	96	1.1%		
Meade	26	1	17	2	7	0	3	1	57	146	6	96	11	39	0	17	5	96	0	320	3.6%		
Mellette	1	1	3	1	1	0	1	0	8	6	6	17	6	6	0	6	0	0	0	45	0.5%		
Miner	4	0	9	0	0	0	0	0	13	22	0	51	0	0	0	0	0	6	0	73	0.8%		
Moody	12	1	6	2	0	0	1	0	22	67	6	34	11	0	0	6	0	0	0	124	1.4%		
Perkins	4	0	7	0	2	0	1	0	14	22	0	39	0	11	0	6	0	6	0	79	0.9%		
Potter	5	0	3	0	0	0	0	1	9	28	0	17	0	0	0	0	5	0	0	50	0.6%		
Roberts	11	0	8	0	0	0	0	0	19	62	0	45	0	0	0	0	0	0	0	107	1.2%		
Sanborn	8	1	10	1	1	0	0	0	21	45	6	56	6	6	0	0	0	0	0	118	1.3%		
Spink	20	0	5	2	0	0	1	0	28	112	0	28	11	0	0	6	0	0	0	157	1.8%		
Stanley	3	0	3	1	3	0	4	0	14	17	0	17	6	17	0	22	0	6	0	79	0.9%		
Sully	3	0	1	0	1	0	0	1	6	17	0	6	0	6	0	0	5	0	0	34	0.4%		
Tripp	6	0	8	1	1	0	0	0	16	34	0	45	6	6	0	0	0	0	0	90	1.0%		
Turner	8	0	3	0	0	0	0	0	11	45	0	17	0	0	0	0	0	0	0	62	0.7%		
Union	19	2	19	4	0	0	0	0	44	107	12	107	23	0	0	0	0	0	0	248	2.8%		
Walworth	2	1	4	1	0	1	0	0	9	11	6	22	6	0	5	0	0	6	0	51	0.6%		
Ziebach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%		
Shannon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%		
Todd	2	0	0	0	0	0	0	0	2	11	0	0	0	0	0	0	0	0	0	11	0.1%		
Unknown	16	4	16	2	2	0	1	0	41														
<b>TOTALS</b>	<b>699</b>	<b>72</b>	<b>644</b>	<b>78</b>	<b>86</b>	<b>3</b>	<b>42</b>	<b>6</b>	<b>1,630</b>	<b>3,833</b>	<b>395</b>	<b>3,532</b>	<b>428</b>	<b>472</b>	<b>16</b>	<b>230</b>	<b>33</b>	<b>854</b>	<b>62</b>	<b>8,939</b>			

Any by county projected harvest values will differ from by unit projected harvest values due to incorrect sampling proportions within counties. Use these figures for approximations only!

# Archery Deer 1975-2009

