

*SMALL GAME HUNTER ACTIVITY SURVEY - 2016*  
**STATEWIDE WILDLIFE RESEARCH AND SURVEYS**

**Performance Report**  
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## SMALL GAME HUNTER ACTIVITY SURVEY - 2016

Objective: Estimate statewide hunter activity and harvest parameters for Kansas' small game species.

Procedure: A random sample of 15,365 Kansas residents and 6484 non-residents with valid hunting, combination, and lifetime licenses for the 2016-2017 hunting season (stratified sample of 10% of all license types that allowed small game hunting) were selected using the electronic Kansas Outdoors Automated Licensing System (KOALS). The following are not required to have a hunting license: 1) owners of land or tenants of land leased for agriculture, and immediate family members living with resident landowners and resident or non-resident tenants, while hunting on this land, 2) residents 15 and younger or 75 and older. These exemptions were not included in the sampling effort for this survey. Each licensed individual was notified by postcard or email in February 2017 of their selection for the survey and asked to complete an on-line questionnaire of their hunting activity for the 2016-2017 season. After comparing paper and electronic responses following the 2010 season and finding no differences, the survey has been completed entirely by electronic means since 2011. For those receiving postcard notifications after approximately 2 weeks, non-respondents were mailed a reminder notification requesting their participation in this survey. Those non-respondents receiving email notifications were reminded with follow ups 1 week after the initial email and again 2 weeks after the first reminder. As a reward for participating in the survey those people that fully completed the survey by April 1st were entered into a random drawing for a framed wildlife print or 1 of 10 KDWPT magazine subscriptions.

To achieve hunter and harvest estimates, answers from respondents were used to estimate percentage of active small game hunters for all license holders during the 2016-2017 small game seasons. From this pool, we then calculated the percentage of hunters pursuing each species. Then we extrapolated the active small game hunter percentage and their species specific hunting/harvest information to total license holders. This provided estimates of total hunters, hunter effort, and bag for all species.

Historically, we estimated prairie chicken harvest by species (Greater and Lesser Prairie Chicken) where harvest was delineated by county for the dominant species in that county. Sympatric range occurs in west-central and north-west Kansas and regulations overlapped between the two species. This procedure was continued for this survey to preserve continuity in the data. In 2014 the Lesser Prairie Chicken was listed as a federally threatened species and as such prairie chicken hunting was closed in part or in full in the following counties: Morton, Stevens, Seward, Meade, Clark, Comanche, Barber, Stanton, Grant, Haskell, Gray, Ford, Kiowa, Pratt, Edwards, Stafford, Hamilton, Kearny, Finney, Hodgeman, Pawnee, Greeley, Wichita, Scott, Lane, Ness, Rush, Wallace, Logan, Gove, Trego, Ellis, Sherman, Thomas, Sheridan, Graham, Rooks. Our estimate of Greater Prairie Chicken harvest includes data from all remaining counties and portions of the aforementioned counties that remain open where Greater prairie chickens are dominant. Historically our greater chicken harvest estimates included harvest from many of these counties as they were the dominant species in that area. A separate survey of prairie chicken permit holders conducted annually began after the 2012-2013 season. A more specific prairie chicken harvest and hunter information is included therein.

Results: From the 20,734 deliverable notifications, 4,702 usable responses were obtained for an overall response rate of 23%. These included 2,832 responses from resident hunters and 1,870 responses from non-resident hunters. Of these, 2,316 (49%) indicated hunting small game (a general hunting license is required to hunt all game in Kansas, including deer and turkey, but allows hunting of small game without any additional permits) during the 2016-2017 seasons.

A summary of historic small game hunting season regulations follows.

Table 1. Historic small game regulations, Kansas, 1957-2016.

Years	Season Dates	Daily Bag	Possession	Open Area
<b><u>DOVE</u></b>				
2016	Sept. 1 – Nov. 29th	15	45	statewide
2015	Sept. 1 - Oct. 31, and Nov. 7-15	15	45	statewide
2014	Sept. 1 - Nov. 9	15	45	statewide
2013	Sept. 1 - Oct. 31, and Nov. 3-11	15	45	statewide
2012	Sept. 1 - Oct. 31, and Nov. 3-11	15	30	statewide
2010 - 2011	Sept. 1 - Oct. 31, and Nov. 5 - 13	15	30	statewide
2009	Sept. 1 - Oct. 31, and Nov. 7 - 15	15	30	statewide
2004 - 2008	Sept. 1 - Oct. 14, and Nov. 1 - 16	15	30	statewide
2003	Sept. 1 - Oct. 28 and Nov. 8-9	15	30	statewide
2002	Sept. 1 - Oct. 28 and Nov. 9-11	15	30	statewide
1983 - 2001	Sept. 1 - Oct. 30	15	30	statewide
1982	Sept. 1-Nov. 9	12	24	statewide
1981	Sept. 1 - Oct. 30	12	24	statewide
1969-1980	Sept. 1 - Oct. 30	10	20	statewide
1964-1968	Sept. 1 - Oct. 30	12	24	statewide
1963	Sept. 1 - Oct. 30	10	20	statewide
1962	Sept. 1 - Oct. 30	12	24	statewide
1960-1961	Sept. 1 - Oct. 30	15	30	statewide
1958-1959	Sept. 1 - Oct. 30	10	20	statewide
1956-1957	Sept. 1 - Oct. 30	10	10	statewide
<b><u>QUAIL</u></b>				
2008 - 2016	2nd Sat. in Nov. to Jan. 31	8	32	statewide
2006 - 2007	2nd Sat. in Nov. to 2nd to last Sunday in Jan.	8	32	statewide
1992 - 2005	2nd Sat. in Nov. to Jan. 31 (East Unit), 3rd Sat. in Nov. to Jan. 31 (West Unit)	8	32	statewide
1988 - 1991	2nd Sat. in Nov. to Jan. 31, 3rd Sat. in Nov. to Jan. 31 (West Unit)	8	24	West Unit, Rest of the State
1987	2nd Sat. in Nov. to Jan. 31, Nov. 15 to Jan. 31 (West Unit)	8	24	West Unit, Rest of the State
1985 - 1986	2nd Sat. in Nov. to Jan. 31, 3rd Sat. in Nov. to Jan. 31 (West Unit)	8	24	West Unit, Rest of the State
1984	2nd Sat. in Nov. to Jan. 31, 3rd Sat. in Nov. to Jan. 31 (West Unit)	8	16	West Unit, Rest of the State
1982-1983	2nd Sat. in Nov. to Jan. 31, 3rd Sat. in Nov. to Jan. 31 (West Unit)	8	24	West Unit, Rest of the State
1981	Nov. 14-Feb 15, Nov. 21-Feb15 (NW Unit)	8	24	NW Unit, Rest of the State
1980	Nov. 8-Jan. 25, Nov. 15-Jan. 25 (NW Unit)	6	18	NW Unit, Rest of the State
1979	Nov. 10-Jan. 27, Nov. 17-Jan. 27 (NW Unit)	6	18	NW Unit, Rest of the State
1978	Nov. 18-Jan. 28, Nov. 11-Jan. 28 (NW Unit)	8	24	NW Unit, Rest of the State
1977	Nov. 5-Jan.15, Nov. 12-Jan. 15 (NW Unit)	8	24	NW Unit, Rest of the State
1976	Nov. 13-Jan 31, Nov. 20-Jan31 (NW Unit: W of US 81 & N of I-70)	8	24	NW Unit, Rest of the State
1975	Nov. 8-Jan. 11	8	24	statewide
1974	Nov.9-Dec. 6, Dec. 16-Jan. 31	8	24	statewide
1973	Nov. 10-Jan. 31	8	24	statewide
1972	Nov. 11-Jan. 14	8	24	statewide
1971	Nov. 13-Jan.13	8	24	statewide
1970	Nov. 21-Jan. 21	8	24	statewide
1969	Nov. 15-Jan. 15	8	24	statewide
1968	Nov. 16-Jan. 12	8	24	statewide
1967	Nov. 18-20,22-27,29 Dec. 1-4,6, 8-11,13, 15-18,20,22-25,27,29-31	8	24	statewide
1966	Nov. 19-Jan. 15	8	16	statewide

1965	Nov. 20-28,30 Dec. 2,4,5,7,9,11,12,14,16, 18,19,21,23,25,26 Zn. A, Nov. 20-Dec. 31 Zn. B	8	16	Zn A (S. of I-35 and E. of US 59) Zn B (rest of the state)
1964	Nov. 21-Dec. 6,8,10,12,13,15,17,19,20, 22, 24-27,29,31, Jan 1-3	8	16	statewide
1963	Nov. 16-24,26,28-30, Dec. 1,3,5,7,8,10,12, 14,15	8	16	statewide
1962	Nov. 17-25, 27,29,Dec. 1,2,4,6,8,9,11, 13, 15,16 Zn. 1 Nov. 17-Dec. 2 Zn. 2	8	16	Zn 1 (east of 183), Zn 2 (west of 183)
1961	Nov. 18,19,21,23-26,28,30, Dec. 2,3,5,7,9,10,12,14,16,17	6	12	statewide
1960	Nov. 11,12,13,15,17,19,20,22, (24-27, 29 Dec. 1,3,4,6,8,10)	6	12	statewide
1959	Nov. 14,15,17,19,21,22, 24,26,27,28,29, Dec. 1,3,5,6,8,10,12,13	8	16	statewide
1958	Nov. 15,16,18,20,22,23,25,27,28,29,30, Dec. 2,4,6,7,9,11,13,14	8	16	statewide
1957	Nov. 16,17,19,21,23,24,26,28,29,30, Dec. 1,3,5,7,8	8	16	statewide

PHEASANT

2009 - 2016	2nd Sat. in Nov. to Jan. 31	4	16	statewide
2006 - 2008	1st Sat. in Nov. to Jan. 31	4	16	statewide
1985 - 2005	2nd Sat. in Nov. to Jan. 31	4	16	statewide
1984	2nd Sat. in Nov. to Jan. 31	4	8	statewide
1982-1983	2nd Sat. in Nov. to Jan. 31	4	16	statewide
1981	Nov. 14-Feb 15	4	16	statewide
1980	Nov. 8-Jan. 25	4	16	statewide
1979	Nov. 10-Jan. 27	4	16	statewide
1978	Nov. 11-Jan. 28	3	9	Statewide except for S. of US 54 & E. of US 169
1977	Nov. 5-Jan 8	3	9	Statewide except for S. of US 54 & E. of US 170
1976	Nov. 13-Jan. 31	4	12	statewide
1975	Nov. 8-Jan. 11	3	9	statewide
1974	Nov. 9-Dec. 6, Dec. 16- Jan. 31	4	12	statewide
1973	Nov. 10-Jan. 31	4	12	statewide
1972	Nov. 11-Jan. 14	3	12	statewide
1971	Nov. 13-Jan 13	3	12	statewide
1970	Nov. 21-Dec. 31 Zn. 1 (east of US 81), Nov.14-Dec. 31 Zn. 2 (west of US 81)	3	12	statewide
1969	Nov. 15-Dec. 31 Zn. 1 (east of US 81), Nov.8-Dec. 31 Zn. 2 (west of US 81)	3	12	2 Zones, Statewide
1968	Nov.16-Dec. 8, 21-29 Zn. 1, Nov. 9-Dec. 8, 21-29 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1967	Nov. 18-Dec. 3; Dec. 16-31 Zn. 1, Nov. 11-26; Dec. 16-31 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1966	Nov. 19-27; Dec. 17-Jan. 8 Zn. 1, Nov. 12-27; Dec. 17-Jan. 8 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1965	Nov. 20-28, Dec. 18-31 Zn. 1, Nov. 13-28, Dec. 18-31 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1964	Nov. 14-Dec. 27 Zn. 1, Nov. 9-Dec. 8 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 84 counties
1963	Nov. 9-24 Zn. 1, Nov. 9-Dec. 8 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 84 counties
1962	Nov. 10-25, Zn. 1 - 4, Dec 8-31 Zn. 2 & 3	3 (Zn. 1&4) 5 (Zn. 2&3)	6 & 10	4 Zones in 81 counties, ≤ 1 hen in bag
1961	Nov. 11-Dec 17	5	10	HP,KM,RN,HV,MP,DK,CY,RL, WS and all counties west (64 co's). ≤ 1 hen in bag
1960	Nov. 5-30	4	8	HP,KM,RN,HV,MP SA,DK,CY, WS and all counties west (63 co's).
1959	Nov. 7-26	4	8	HP,KM,RN,HV,MP,SA,OT,CY, WS and all counties west (62 co's).

1958	Nov. 7-11	4	8	Same co's as 1957
1957	Nov. 9-12	3	6	HP,KM,PR,SF,RC,EW,LC,OT,CY,WS, and all counties west (59 co's).
<b><u>PRAIRIE CHICKEN</u></b>				
2015-2016	Early Sep. 15-Oct.15, Regular 3rd Sat. Nov. to Jan. 31,	2	8	Greater Prairie Chicken unit
2012-2013	Early Sep. 15-Oct.15, Regular 3rd Sat. Nov. to Jan. 31, SW Zone 3rd Sat. Nov.-Dec. 31	Regular 2, SW 1	Regular 8, SW 4	East and NW Unit Early, Statewide Reg. Season, SW Unit
2005 - 2011	Early Sep. 15-Oct.15, Regular 3rd Sat. Nov. to Jan. 31, SW Zone 3rd Sat. Nov.-Dec. 31	Regular 2, SW 1	Regular 8, SW 4	East Unit Early, Statewide Reg. Season, SW Unit
1995 - 2004	Early Sep. 15-Oct.15, Regular 1st Sat. Nov. to Jan. 31, SW Zone Dec. 1-Jan. 31	Regular 2, SW 1	Regular 8, SW 4	East Unit Early, Statewide Reg. Season
1992 - 1994	Regular early Sep. 15-Oct. 15, Regular 1st Sat. in Nov. to Jan. 31	2	8	East Unit Early, Early season PR, CA, and MT Co., Statewide Reg. Season
1991	Early 4th Sat. Sep.-Oct. 20, Regular 1st Sat. in Nov. to Jan. 31	2	6	East Unit Early, Statewide Regular Season
1989 - 1990	Early 4th Sat. Sep.-Oct. 15, Regular 1st Sat. in Nov. to Jan. 31	2	6	East Unit Early, Statewide Regular Season
1986 - 1988	1st Sat. in Nov. to Jan. 31	2	6	statewide
1985	Nov. 2-Jan. 31	2	6	Stwd. excpt. RA. Co. closed
1984	Nov. 3-Jan. 31	2	4	Statewide
1983	Nov. 5-Jan. 31	2	6	Statewide
1982	Nov. 6-Jan. 31	2	6	Statewide
1981	Nov. 7-Feb. 15	2	6	Statewide
1980	Nov. 1-Dec. 31	2	6	Statewide
1979	Nov. 3-Dec. 31, Nov. 4-Dec. 17 SW Zone	2	6	Statewide, less E. of US 81
1978	Nov. 4-Dec. 3 Regular, Nov. 12-Dec. 18 SW Zone	2	6	E. of US 81, West of US 81
1977	Nov. 12- Dec. 4 Regular	2	6	W. of US 81 & SE KS. S. of US 54 & E. of US 169.
<b><u>COTTONTAIL</u></b>				
1993 - 2016	Year Round	10	30	statewide
1971 - 1992	Year Round	10	20	Statewide; 1975 to present No Limit on Jackrabbits
1957 - 1970	Dec.15-Oct.15 plus bird Season	10	20	Statewide
<b><u>SQUIRREL</u></b>				
1997 - 2016	Jun. 1 - end of Feb.	5	20	Statewide
1992 -1996	Jun. 1-Dec. 31	5	20	Statewide
1971 - 1991	Jun. 1-Dec. 31	5	10	Statewide
1964 - 1970	Aug. 1-Dec. 31	5	10	Statewide
1963	Sep. 15-Dec.15	5	10	Statewide
1962	Sep. 1-Nov. 30	8	16	Statewide
1960 - 1961	Apr. 15-May 31, Sep. 1-Nov. 30	8	16	Statewide
1959	Jul. 1-Nov. 30	8	16	Statewide
1957 - 1958	Sep. 1-Dec. 31	8	16	Statewide

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## Kansas Dove Harvest, 1957 - 2016.

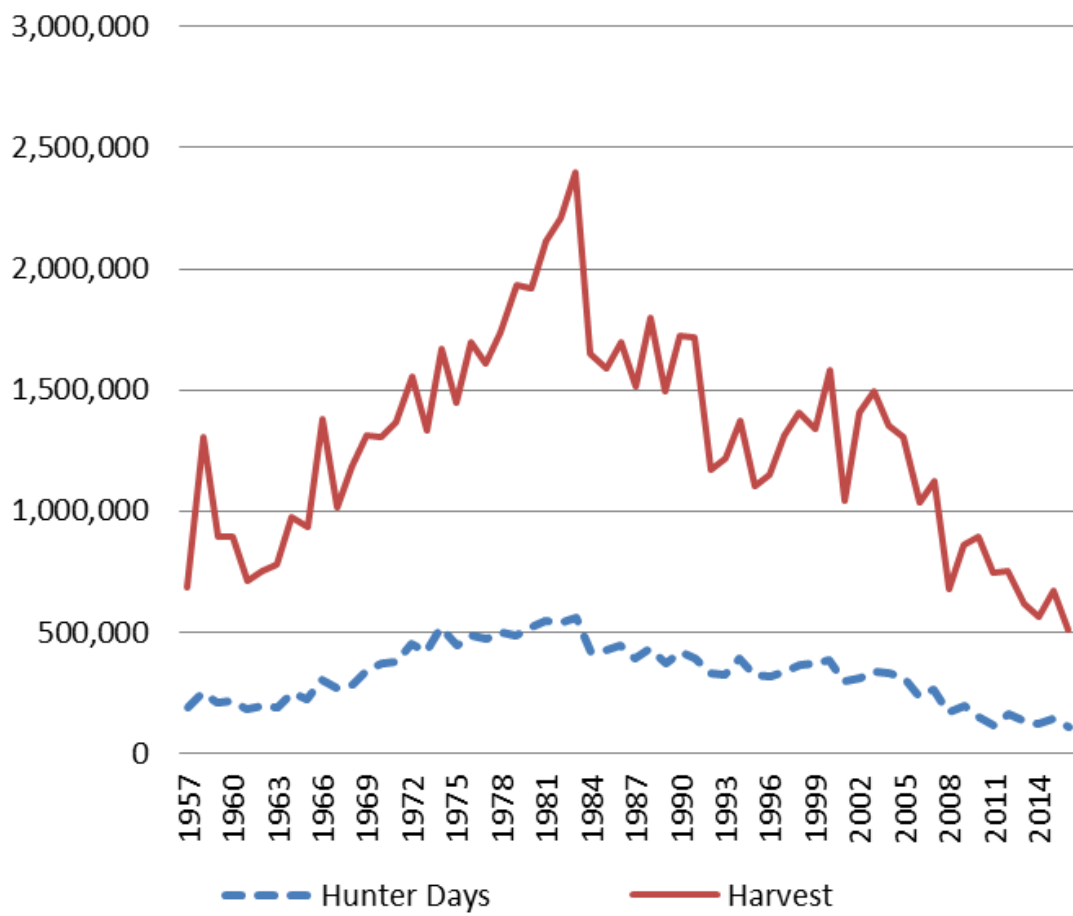


Table 2: Estimated Annual **DOVE** hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg Bag Per Day
1967	31	63,300	273,000	1,013,000	4.31	16.01	<sup>b</sup> 3.71
1968	33	66,100	283,000	1,183,000	4.27	17.89	4.17
1969	36	74,500	341,000	1,312,000	4.58	17.61	3.84
1970	35	74,200	371,000	1,304,000	5.00	17.57	3.51
1971	39	81,200	378,000	1,363,000	4.66	16.79	3.75
1972	41	85,900	454,000	1,556,000	5.29	18.11	3.78
1973	36	78,200	419,000	1,333,000	5.36	17.05	3.60
1974	44	94,300	517,000	1,668,000	5.48	17.69	3.50
1975	43	86,000	448,000	1,448,000	5.21	16.84	3.49
1976	44	89,700	483,000	1,694,000	5.39	18.89	3.75
1977	43	89,200	469,000	1,612,000	5.26	18.06	3.69
1978	42	89,300	497,000	1,739,000	5.56	19.45	4.14
<sup>c</sup> 1979	43	98,700	486,000	1,933,000	4.92	19.59	4.51
1980	45	104,100	519,000	1,916,000	4.99	18.41	3.93
1981	44	103,000	549,000	2,115,000	5.33	20.54	3.95
1982	43	107,300	543,000	2,208,000	5.06	20.58	4.23
1983	44	104,900	558,000	2,400,000	5.32	23.06	4.49
1984	45	85,900	420,000	1,647,000	4.89	19.17	4.27
1985	45	84,200	426,000	1,586,000	5.05	18.84	3.83
1986	47	91,300	445,000	1,697,000	4.88	18.58	3.95
1987	42	83,100	393,000	1,512,000	4.73	18.18	3.93
1988	48	92,000	434,000	1,795,000	4.67	19.32	4.21
1989	45	79,600	373,000	1,495,000	4.69	18.79	4.12
1990	44	79,100	421,000	1,724,000	5.32	21.79	4.27
1991	45	83,100	393,000	1,714,000	4.73	20.63	4.44
1992	43	73,100	333,000	1,170,000	4.55	16.00	3.62
1993	41	72,000	326,000	1,219,000	4.53	16.94	3.80
1994	41	77,400	389,000	1,373,000	5.02	17.74	3.78
1995	41	74,400	324,000	1,105,000	4.35	14.86	3.35
1996	44	70,100	318,000	1,152,000	4.54	16.44	3.64
1997	43	71,700	337,000	1,312,000	4.69	18.29	4.20
1998	43	73,800	362,000	1,408,000	4.91	19.08	4.05
1999	40	71,200	370,000	1,342,000	5.19	18.83	3.87
2000	43	80,300	386,000	1,584,000	4.81	19.72	4.31
2001	42	69,900	295,000	1,042,000	4.23	14.90	3.74
2002	44	70,600	309,800	1,404,600	4.39	19.89	4.54
2003	44	73,500	338,000	1,494,000	4.60	20.34	4.72
2004	42	72,300	331,000	1,352,000	4.58	18.71	4.45
2005	38	66,500	310,000	1,305,000	4.67	19.63	4.42
<sup>d</sup> 2006	32	52,200	238,000	1,038,000	4.55	19.86	4.69
2007	36	56,600	263,000	1,125,000	4.63	19.87	4.57
2008	29	39,500	171,000	676,000	4.19	16.46	4.08
2009	26	44,200	197,000	861,000	4.47	19.48	4.65
2010	30	44,656	148,453	896,287	4.55	20.07	4.69
2011	31	38,429	112,355	747,538	4.24	19.45	4.80
2012	36	37,791	161,439	753,390	4.27	19.94	5.00
2013	35	31,592	134,139	614,371	4.25	19.45	4.97
2014	30	29,248	120,769	562,188	4.13	19.22	5.33
2015	32	33,340	141,490	669,303	4.24	20.08	4.97
2016	24	26,799	108,252	512,441	4.04	19.12	5.02

\*Harvest table only includes 50 years of data, harvest information through 1957 available in supplementary SGHS appendix  
a Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days. ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

b Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

c Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

## Kansas Quail Harvest, 1957 - 2016.

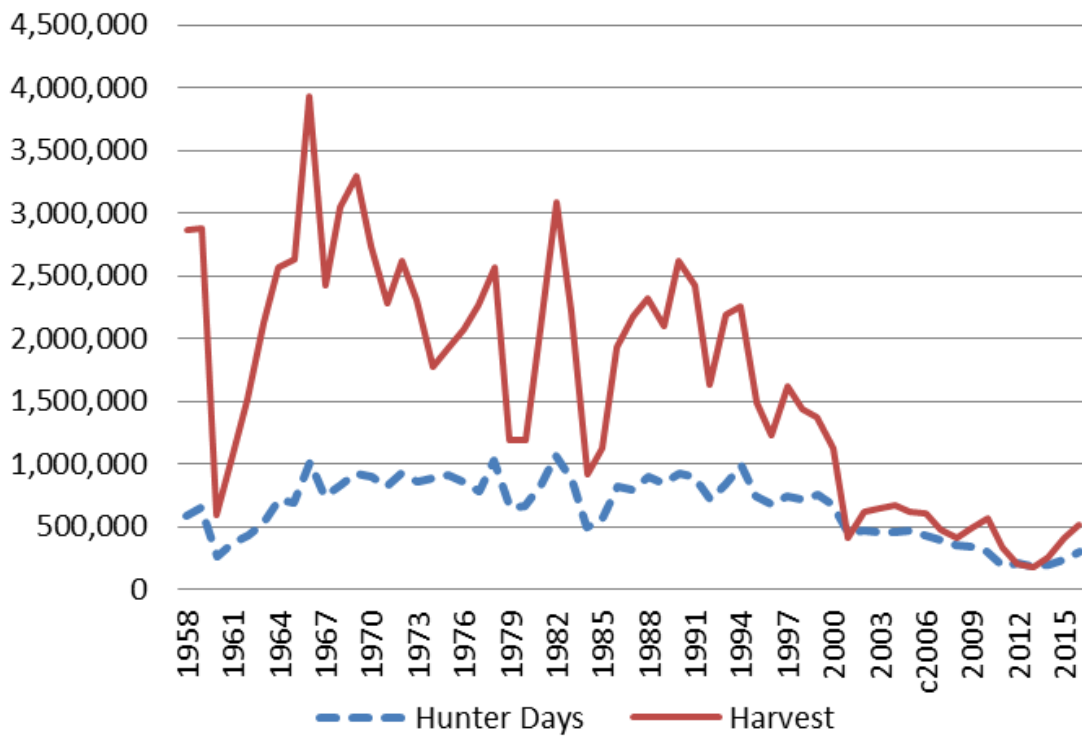


Table 3: Estimated Annual **QUAIL** hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg Bag Per Day
1967	75	152,200	744,000	2,426,000	4.89	15.94	<sup>b</sup> 3.26
1968	77	151,800	838,000	3,050,000	5.52	20.09	3.50
1969	77	159,600	921,000	3,301,000	5.77	20.68	3.59
1970	76	160,200	897,000	2,733,000	5.60	17.06	3.04
1971	75	155,300	818,000	2,284,000	5.27	14.71	2.56
1972	75	158,200	924,000	2,618,000	5.84	16.55	2.73
1973	71	152,700	864,000	2,307,000	5.66	15.11	2.70
1974	72	152,000	879,000	1,772,000	5.78	11.66	2.06
1975	74	148,200	906,000	1,912,000	6.11	12.90	2.27
1976	73	148,700	864,000	2,068,000	5.81	13.91	2.43
1977	74	152,300	778,000	2,263,000	5.11	14.86	2.72
1978	75	161,000	1,027,000	2,569,000	6.38	15.96	2.70
<sup>c</sup> 1979	55	125,600	646,000	1,193,000	5.14	9.50	1.90
1980	55	126,800	668,000	1,186,000	5.27	9.35	1.84
1981	61	142,900	836,000	2,076,000	5.85	14.53	2.40
1982	67	166,600	1,068,000	3,094,000	6.41	18.57	2.88
1983	64	153,100	867,000	2,223,000	5.66	14.53	2.50
1984	52	99,000	500,000	920,000	5.04	9.29	1.90
1985	53	97,400	546,000	1,121,000	5.60	11.50	1.91
1986	63	122,200	815,000	1,925,000	6.67	15.75	2.31
1987	66	128,200	796,000	2,177,000	6.21	16.98	2.68
1988	68	132,700	901,000	2,324,000	6.79	17.52	2.51
1989	68	121,100	845,000	2,096,000	6.98	17.32	2.44
1990	73	130,500	920,000	2,620,000	7.05	20.07	2.82
1991	73	134,200	897,000	2,423,000	6.69	18.05	2.54
1992	70	120,900	713,000	1,635,000	5.90	13.52	2.23
1993	72	126,400	828,000	2,190,000	6.55	17.33	2.51
1994	74	141,700	987,000	2,256,000	6.96	15.92	2.18
1995	70	125,400	738,000	1,487,000	5.88	11.86	1.97
1996	69	110,000	679,000	1,225,000	6.17	11.13	1.74
1997	70	116,400	748,000	1,615,000	6.43	13.87	2.12
1998	67	115,500	721,000	1,432,000	6.24	12.40	1.96
1999	65	117,600	760,000	1,378,000	6.46	11.72	1.83
2000	61	114,100	673,000	1,129,000	5.90	9.89	1.64
2001	55	91,300	448,000	408,000	4.91	4.47	0.92
2002	53	84,900	473,000	621,000	5.57	7.32	1.36
2003	54	91,000	452,000	647,000	4.97	7.11	1.46
2004	52	90,000	456,000	674,000	5.07	7.49	1.50
2005	52	90,900	475,000	616,000	5.23	6.78	1.39
<sup>d</sup> 2006	50	80,900	428,000	600,000	5.29	7.41	1.39
2007	48	73,600	394,000	481,000	5.35	6.55	1.28
2008	51	69,800	358,000	410,000	4.98	5.66	1.16
2009	47	72,900	346,000	485,000	4.75	6.66	1.43
2010	51	77,407	295,405	561,430	5.22	7.25	1.48
2011	47	59,153	186,181	339,495	4.57	5.74	1.27
2012	43	44,885	204,308	199,661	4.55	4.45	1.03
2013	42	38,351	179,476	174,970	4.68	4.56	1.08
2014	44	43,622	197,531	253,869	4.53	5.82	1.31
2015	52	54,561	238,390	407,851	4.37	7.48	1.66
2016	56	62,653	300,441	519,795	4.80	8.30	1.68

\*Harvest table only includes 50 years of data, harvest information through 1957 available in supplementary SGHS appendix  
a Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days. ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

b Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

c Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

## Kansas Pheasant Harvest, 1957 - 2016.

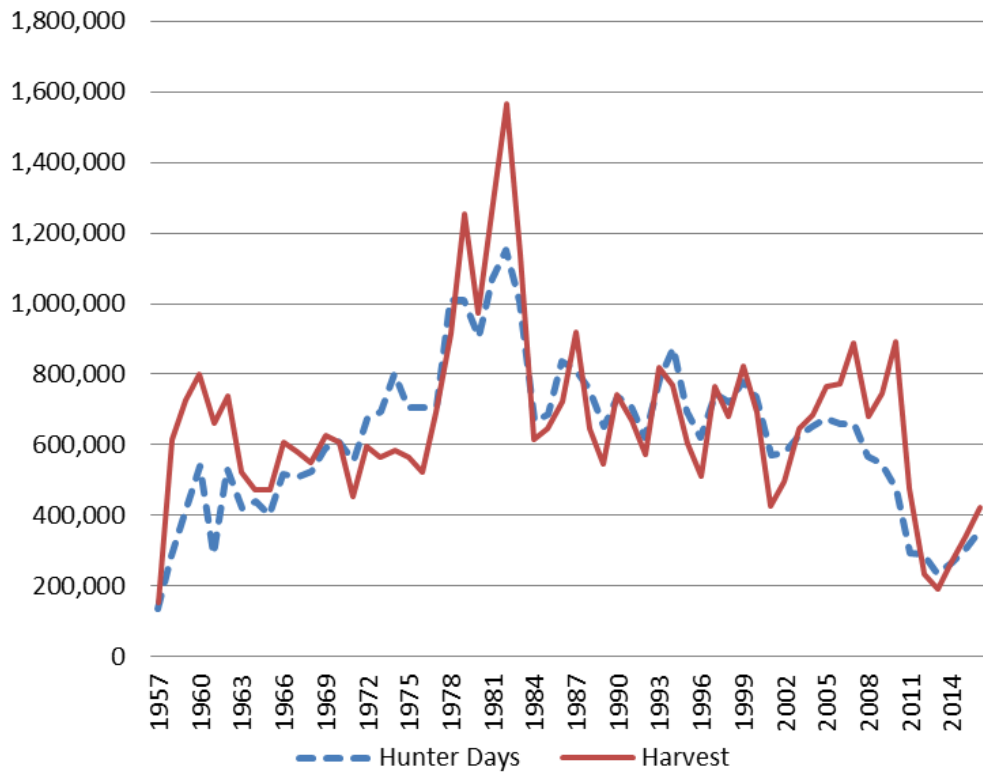


Table 4: Estimated Annual PHEASANT hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. <sup>a</sup> Total Harvest	Season Days Per Hunter	Season <sup>a</sup> Bag Per Hunter	Avg <sup>a</sup> Bag Per Day
1967	68	139,000	509,000	580,000	3.66	4.17	<sup>c</sup> 1.14
1968	69	136,100	523,000	548,000	3.84	4.03	0.84
1969	70	145,200	590,000	627,000	4.06	4.32	1.06
1970	71	150,700	610,000	606,000	4.05	4.02	0.99
1971	68	141,700	555,000	455,000	3.92	3.21	0.96
1972	67	142,800	674,000	595,000	4.72	4.17	1.03
1973	65	139,700	692,000	566,000	4.95	4.05	0.96
1974	71	150,200	801,000	584,000	5.33	3.89	0.85
1975	71	141,100	707,000	564,000	5.01	3.97	0.92
1976	72	145,200	706,000	523,000	4.86	3.60	0.90
1977	72	148,400	709,000	690,000	4.78	4.65	1.09
1978	78	168,000	1,008,000	916,000	6.00	5.46	1.11
<sup>d</sup> 1979	78	177,900	1,009,000	1,253,000	5.67	7.05	1.41
1980	77	176,200	907,000	972,000	5.15	5.52	1.19
1981	78	183,200	1,070,000	1,260,000	5.84	6.88	1.36
1982	79	195,600	1,152,000	1,565,000	5.89	8.00	1.51
1983	76	183,600	1,006,000	1,138,000	5.48	6.20	1.28
1984	72	135,700	668,000	616,000	4.92	4.54	1.07
1985	74	136,600	688,000	645,000	5.03	4.72	1.02
1986	74	143,100	836,000	723,000	5.84	5.06	1.01
1987	76	149,600	812,000	921,000	5.43	6.16	1.21
1988	75	144,400	760,000	644,000	5.26	4.46	1.00
1989	70	124,900	653,000	546,000	5.23	4.37	0.96
1990	74	133,000	738,000	742,000	5.55	5.58	1.14
1991	75	138,400	710,000	669,000	5.13	4.83	1.08
1992	73	126,100	622,000	574,000	4.93	4.55	0.99
1993	77	134,400	785,000	820,000	5.84	6.10	1.18
1994	76	145,300	874,000	768,000	6.02	5.28	1.07
1995	74	133,500	694,000	603,000	5.20	4.52	0.96
1996	70	111,700	621,000	512,000	5.56	4.59	0.94
1997	75	124,800	742,000	766,000	5.94	6.13	1.15
1998	73	125,800	721,000	681,000	5.73	5.41	1.01
1999	74	133,700	780,000	824,000	5.83	6.16	1.18
2000	72	133,400	738,000	692,000	5.53	5.19	1.00
2001	70	116,600	572,000	426,000	4.91	3.66	0.82
2002	67	106,800	578,000	497,000	5.41	4.65	0.93
2003	70	117,000	625,000	646,000	5.34	5.52	1.13
2004	71	123,800	650,000	685,000	5.25	5.53	1.11
2005	71	124,700	673,000	764,000	5.40	6.12	1.20
<sup>e</sup> 2006	75	120,900	659,000	774,000	5.44	6.39	1.26
2007	78	117,100	660,000	887,000	5.64	7.58	1.41
2008	80	108,100	565,000	680,000	5.08	6.05	1.23
2009	75	112,400	548,000	746,000	4.87	6.62	1.39
2010	82	123,764	472,494	892,672	5.22	7.21	1.46
2011	74	93,135	294,556	475,170	4.59	5.10	1.19
2012	64	67,273	287,540	233,981	4.27	3.48	0.91
2013	60	54,400	236,661	190,285	4.35	3.50	0.95
2014	63	62,774	266,855	269,476	4.25	4.29	1.14
2015	69	72,202	303,434	338,717	4.20	4.69	1.22
2016	72	79,523	353,441	422,621	4.44	5.31	1.30

\*Harvest table only includes 50 years of data, harvest information through 1957 available in supplementary SGHS appendix  
a Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days. ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

b Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

c Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

## Kansas Greater Prairie Chicken Harvest, 1957-2016.

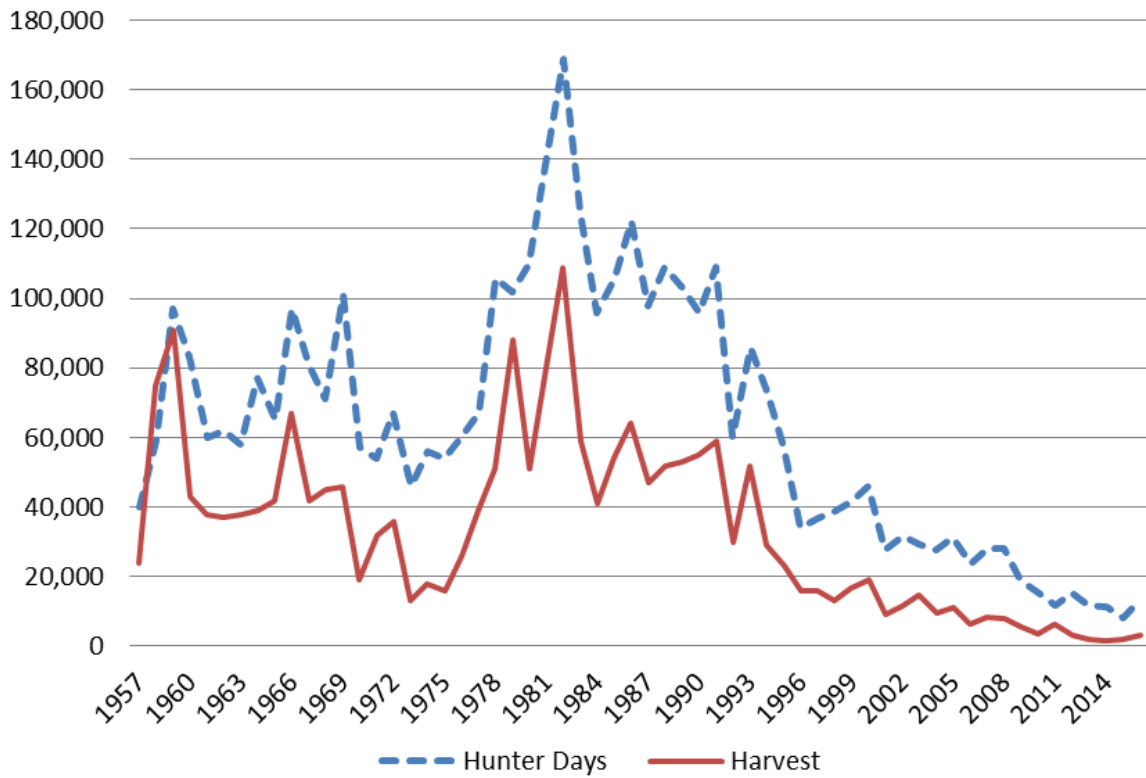


Table 5: Estimated Annual **GREATER PRAIRIE CHICKEN** hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg Bag Per Day
1967	22	45,100	81,000	42,000	1.79	0.94	0.53
1968	20	39,500	71,000	45,000	1.80	1.13	0.63
1969	23	48,600	101,000	46,000	2.08	0.95	0.46
1970	17	35,300	57,000	19,000	1.62	0.53	0.33
1971	16	32,700	54,000	32,000	1.65	0.98	0.60
1972	16	34,000	67,000	36,000	1.96	1.06	0.54
1973	9	18,700	46,000	13,000	2.45	0.71	0.29
1974	10	20,200	56,000	18,000	2.75	0.91	0.33
1975	9	17,100	54,000	16,000	3.16	0.92	0.29
1976	11	21,800	60,000	26,000	2.75	1.19	0.44
1977	11	22,800	67,000	39,000	2.92	1.71	0.59
1978	16	34,100	106,000	51,000	3.12	1.49	0.50
<sup>c</sup> 1979	16	36,100	102,000	88,000	2.83	2.45	<sup>b</sup> 0.87
1980	16	37,000	110,000	51,000	2.98	1.37	0.49
1981	19	45,400	141,000	80,000	3.11	1.76	0.57
1982	21	53,100	169,000	109,000	3.18	2.05	0.70
1983	17	41,100	125,000	59,000	3.04	1.44	0.50
1984	16	30,000	96,000	41,000	3.20	1.38	0.45
1985	16	30,100	106,000	54,000	3.52	1.78	0.52
1986	17	33,900	122,000	64,000	3.61	1.90	0.54
1987	15	30,000	98,000	47,000	3.26	1.58	0.52
1988	17	32,700	109,000	52,000	3.35	1.59	0.46
<sup>d</sup> 2006	14	25,600	103,000	53,000	4.11	2.15	0.53
1990	15	26,000	96,000	55,000	3.67	2.09	0.55
1991	14	24,800	109,000	59,000	4.49	2.50	0.56
1992	11	18,700	60,000	30,000	3.28	1.65	0.52
1993	12	21,400	86,000	52,000	3.92	2.40	0.57
1994	10	19,100	73,000	29,000	3.87	1.52	0.47
1995	9	15,400	57,000	23,000	3.70	1.50	0.43
1996	7	11,400	34,000	16,000	3.01	1.36	0.44
1997	7	11,100	37,000	16,000	3.32	1.41	0.51
1998	6	11,000	39,000	13,000	3.49	1.21	0.46
1999	6	10,100	41,800	16,900	4.14	1.67	0.48
2000	6	11,400	46,000	19,300	4.42	1.36	0.43
2001	5	8,100	27,700	9,300	3.44	1.15	0.37
2002	5	8,600	31,700	11,400	3.68	1.31	0.42
2003	5	7,740	29,200	14,800	3.78	1.91	0.54
2004	5	9,530	27,500	9,700	2.86	1.02	0.45
2005	4	6,230	31,300	11,100	5.02	1.79	0.40
<sup>e</sup> 2006	4	5,640	23,500	6,300	4.17	1.11	0.34
2007	5	7,630	27,890	8,500	3.66	1.22	0.31
2008	5	7,350	28,250	8,100	3.46	0.88	0.32
2009	3	4,870	18,810	5,400	3.94	1.24	0.39
2010	3	5,102	15,278	3,588	4.10	0.70	0.30
2011	4	5,454	11,800	6,251	3.14	0.93	0.30
<sup>f</sup> 2006	3	4,155	15,179	3,195	3.47	1.01	0.29
2013	4	3,417	11,594	2,126	3.39	0.62	0.28
2014	3	3,160	11,266	1,443	3.57	0.46	0.20
2015	2	2,557	8,218	1,826	3.21	0.71	0.23
2016	3	3,264	13,296	3,022	4.07	0.93	0.27

\*Harvest table only includes 50 years of data, harvest information through 1957 available in supplementary SGHS appendix

<sup>a</sup> Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days. ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

<sup>b</sup> Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

<sup>c</sup> Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.



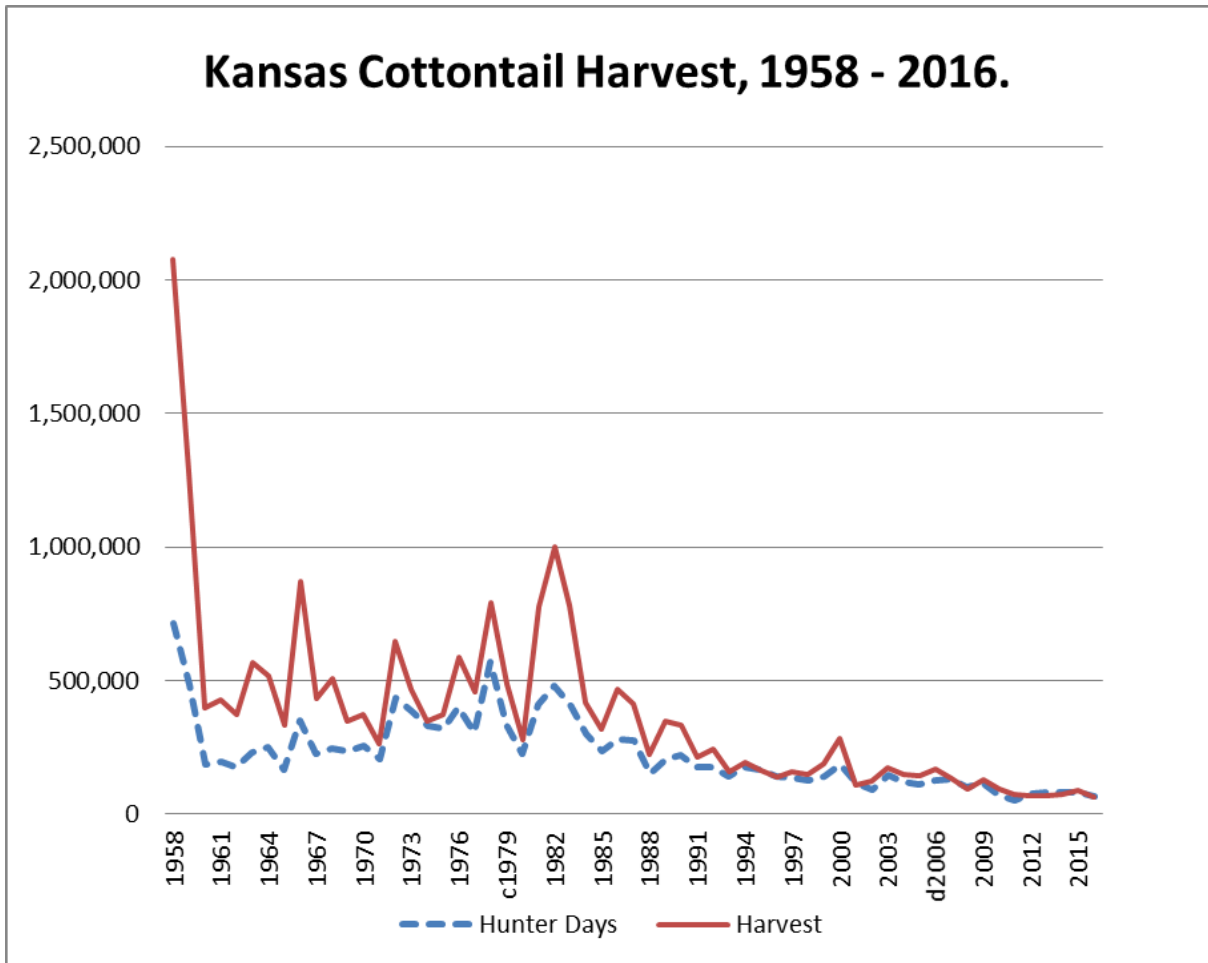


Table 6: Estimated Annual **COTTONTAIL** hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg Bag Per Day
1967	28	57,700	225,000	430,000	3.90	7.45	<sup>b</sup> 1.92
1968	33	64,700	243,000	506,000	3.76	7.82	2.08
1969	27	56,900	237,000	347,000	4.17	6.09	1.46
1970	29	60,300	254,000	374,000	4.21	6.21	1.48
1971	24	49,100	206,000	261,000	4.20	5.31	1.69
1972	41	86,700	436,000	648,000	5.03	7.47	1.93
1973	32	69,300	386,000	469,000	5.57	6.77	1.68
1974	32	67,100	331,000	348,000	4.94	5.36	1.45
1975	32	63,900	320,000	371,000	5.01	5.81	1.65
1976	38	76,500	399,000	587,000	5.21	7.67	1.89
1977	33	67,900	303,000	456,000	4.46	6.71	1.94
1978	41	87,400	568,000	792,000	6.50	9.07	2.21
<sup>c</sup> 1979	35	79,700	336,000	489,000	4.22	6.13	1.96
1980	22	49,900	227,000	277,000	4.55	5.56	1.50
1981	36	84,100	410,000	778,000	4.88	9.26	2.26
1982	37	92,500	481,000	1,001,000	5.20	10.83	2.67
1983	32	77,500	410,000	781,000	5.29	10.09	2.32
1984	29	55,700	299,000	415,000	5.37	7.46	1.70
1985	24	45,000	234,000	317,000	5.20	7.04	1.71
1986	32	62,800	281,000	469,000	4.47	7.46	2.10
1987	28	55,600	274,000	410,000	4.92	7.38	2.01
1988	17	32,000	153,000	221,000	4.79	6.90	1.77
1989	24	41,900	204,000	346,000	4.86	8.25	1.87
1990	27	47,500	220,000	335,000	4.63	7.05	1.96
1991	18	33,100	174,000	211,000	5.26	6.36	1.73
1992	24	40,900	178,000	245,000	4.35	5.99	1.66
1993	17	29,500	142,000	160,000	4.81	5.42	1.53
1994	19	35,900	177,000	195,000	4.92	5.44	1.52
1995	19	34,000	168,000	165,000	4.95	4.85	1.25
1996	18	28,700	141,000	136,000	4.90	4.72	1.32
1997	16	27,200	136,000	158,000	5.01	5.82	1.58
1998	14	24,300	127,000	150,000	5.22	6.17	1.67
1999	15	27,800	141,000	187,000	5.07	6.75	1.61
2000	19	36,100	187,000	282,000	5.18	7.81	1.95
2001	13	21,200	118,000	106,000	5.56	4.98	1.21
2002	13	20,900	92,000	124,000	4.43	5.95	1.49
2003	15	25,200	147,000	174,000	5.83	6.90	1.55
2004	13	23,300	120,000	149,000	5.14	6.40	1.68
2005	12	21,700	111,000	142,000	5.13	6.56	1.57
<sup>d</sup> 2006	13	21,400	125,000	169,000	5.85	7.87	1.56
2007	14	22,200	132,000	132,000	5.96	5.95	1.23
2008	13	17,300	102,000	92,000	5.72	5.11	1.10
2009	13	21,000	117,000	126,000	5.57	6.01	1.52
2010	12	18,432	72,014	91,287	5.34	4.95	1.29
2011	12	14,977	48,847	71,068	4.73	4.75	1.24
2012	14	14,608	74,786	70,240	5.12	4.81	1.10
2013	15	13,872	79,309	69,183	5.72	4.99	1.06
2014	14	13,410	82,850	75,259	6.18	5.61	1.31
2015	15	15,545	78,594	87,287	5.06	5.62	1.32
2016	11	12,411	67,709	62,975	5.46	5.07	1.12

\*Harvest table only includes 50 years of data, harvest information through 1957 available in supplementary SGHS appendix  
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c Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.

### Kansas Squirrel Harvest, 1957 - 2016.

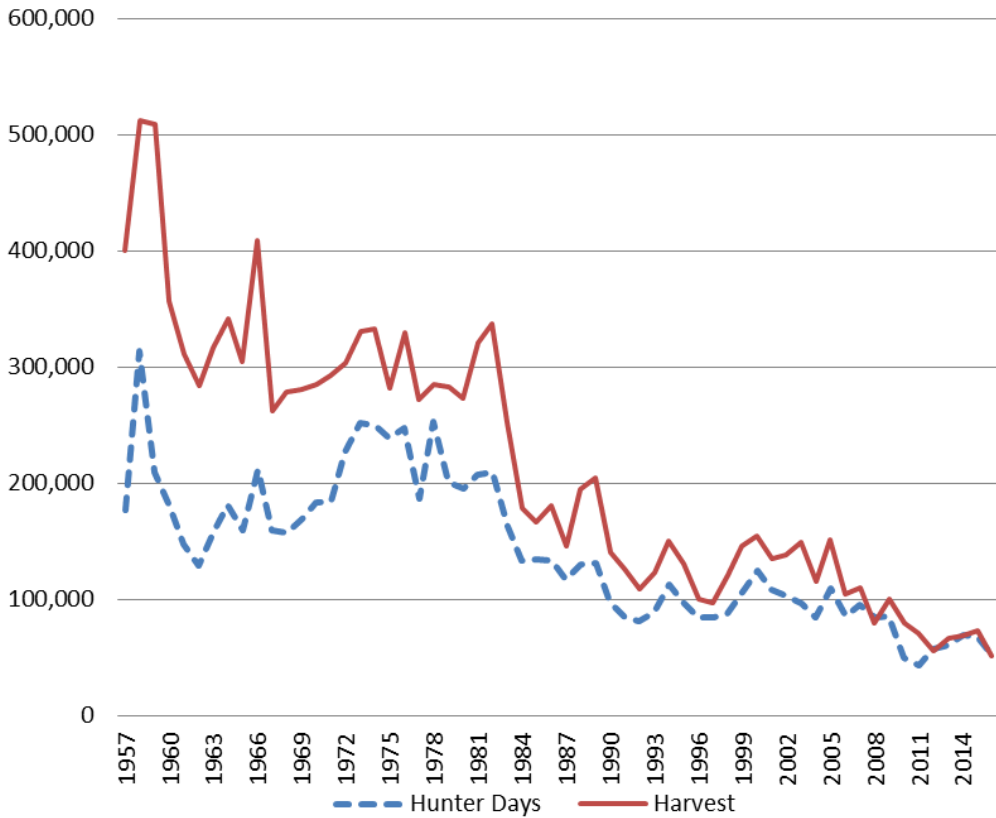


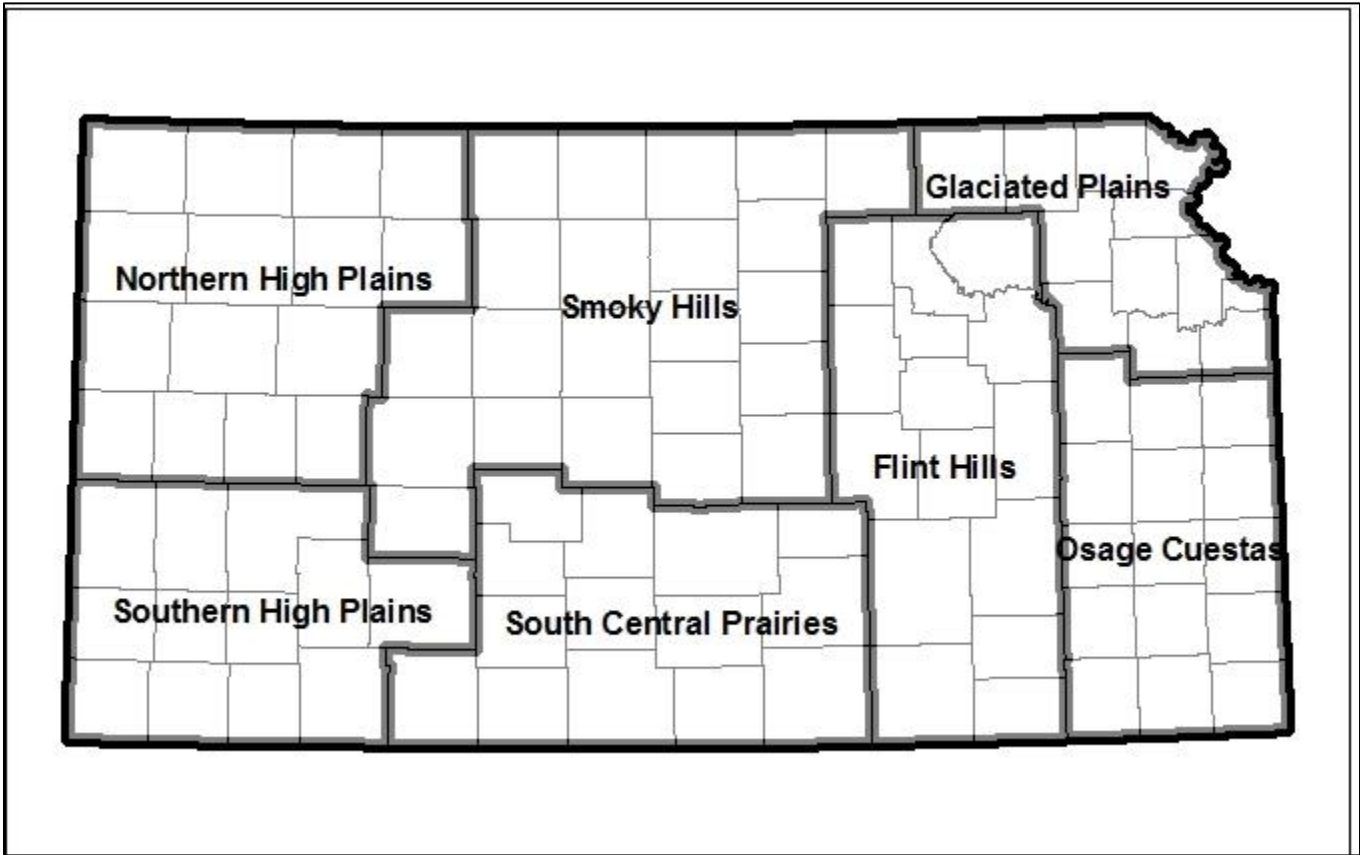
Table 7: Estimated Annual **SQUIRREL** hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. Total Harvest	Season Days Per Hunter	Season Bag Per Hunter	Avg Bag Per Day
1967	21	42,400	160,000	262,000	3.77	6.19	1.64
1968	21	41,100	157,000	279,000	3.81	6.78	1.52
1969	21	44,000	169,000	281,000	3.85	6.39	1.66
1970	22	45,500	183,000	285,000	4.03	6.27	1.55
1971	21	44,400	184,000	293,000	4.14	6.60	1.74
1972	23	49,400	227,000	304,000	4.59	6.16	1.60
1973	23	49,400	252,000	331,000	5.10	6.70	1.64
1974	25	52,300	250,000	333,000	4.78	6.56	1.58
1975	24	47,600	239,000	282,000	5.03	5.93	1.55
1976	24	49,200	247,000	330,000	5.02	6.70	1.62
1977	21	43,400	187,000	272,000	4.32	6.27	1.63
1978	20	42,000	253,000	285,000	6.02	6.74	1.65
1979	23	51,700	201,000	283,000	3.88	5.48	1.72
1980	17	39,000	195,000	273,000	4.99	6.99	1.54
1981	18	42,800	207,000	321,000	4.84	7.50	1.64
1982	16	40,100	209,000	337,000	5.21	8.40	1.81
1983	14	32,800	163,000	252,000	4.97	7.68	1.68
1984	15	28,200	133,000	179,000	4.73	6.34	1.51
1985	16	28,800	135,000	167,000	4.67	5.79	1.41
1986	13	26,000	133,000	181,000	5.10	6.98	1.40
1987	13	24,600	117,000	146,000	4.76	5.92	1.55
1988	13	26,300	130,000	195,000	4.93	7.39	1.71
1989	16	29,000	131,000	205,000	4.52	7.09	1.64
1990	13	23,900	98,000	141,000	4.10	5.90	1.57
1991	11	20,300	85,000	126,000	4.20	6.21	1.57
1992	10	16,900	81,000	109,000	4.81	6.45	1.48
1993	10	17,800	89,000	123,000	5.01	6.90	1.42
1994	11	20,300	113,000	150,000	5.55	7.38	1.48
1995	11	18,900	98,000	131,000	5.16	6.91	1.52
1996	10	15,900	85,000	100,000	5.36	6.28	1.48
1997	11	17,600	85,000	97,000	4.87	5.53	1.31
1998	10	17,000	88,000	121,000	5.15	7.12	1.45
1999	11	19,800	106,000	146,000	5.36	7.39	1.61
2000	12	21,700	125,000	155,000	5.78	7.13	1.47
2001	11	17,800	108,000	135,000	6.09	7.58	1.54
2002	13	20,700	103,000	138,000	5.00	6.67	1.53
2003	10	17,000	96,000	149,000	5.63	8.72	1.60
2004	10	16,600	84,000	115,000	5.08	6.92	1.41
2005	11	19,300	109,000	151,000	5.65	7.82	1.46
2006	8	13,600	86,000	105,000	6.28	7.72	1.45
2007	10	16,500	95,000	110,000	5.75	6.65	1.37
2008	11	15,000	85,000	80,000	5.51	5.11	1.19
2009	8	14,300	86,000	100,000	5.99	7.00	1.31
2010	8	12,301	49,897	79,435	5.55	6.46	1.37
2011	9	11,369	43,368	70,699	5.53	6.22	1.24
2012	11	11,382	57,642	56,063	5.06	4.93	1.24
2013	11	10,050	60,855	66,778	6.06	6.64	1.26
2014	11	10,751	69,440	69,016	6.46	6.42	1.30
2015	11	11,301	68,060	72,611	6.02	6.43	1.35
2016	9	9,469	51,713	51,253	5.46	5.41	1.20

\*Harvest table only includes 50 years of data, harvest information through 1957 available in supplementary SGHS appendix  
a Average Bag Per Day through 1967 expresses overall mean season bag divided by overall mean season days. ABPD after 1967 is the mean of individual hunter ratios of season bag to season days.

b Percent of active hunters hunting species unobtainable due to 1979 questionnaire error. Value is 1974-1978 mean.

c Electronic licensing permitted random sampling of non-residents for the 1st time, improving how estimates were calculated.



Kansas small game regions for all species

## Small Game Hunter Activity Tables 2016-2017

Table 8: All Hunter Activity for Dove, 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	583	24.1		26,799	108,252	512,441	49,447	4.04	19.12	5.02
Northern High Plains	42	1.7	7.2	1,931	7,906	34,154	8,567	4.10	17.69	4.99
Southern High Plains	61	2.5	10.5	2,804	14,250	90,003	25,115	5.08	32.10	6.70
Smoky Hills	145	6.0	24.9	6,665	25,282	140,613	23,882	3.79	21.10	5.59
South-Central Prairies	135	5.6	23.2	6,206	26,431	102,415	22,881	4.26	16.50	4.31
Flint Hills	84	3.5	14.4	3,861	14,618	58,976	14,176	3.79	15.27	4.11
Glaciated Plains	46	1.9	7.9	2,114	6,941	25,144	8,841	3.28	11.89	4.85
Osage Cuestas	70	2.9	12.0	3,218	12,825	61,136	18,030	3.99	19.00	4.95
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	519	35.9		25,992	108,324	478,720	50,304	4.17	18.42	4.64
Northern High Plains	35	2.4	6.7	1,753	7,612	32,452	8,893	4.34	18.51	4.98
Southern High Plains	53	3.7	10.2	2,654	14,123	84,135	24,513	5.32	31.70	6.57
Smoky Hills	124	8.6	23.9	6,210	23,538	121,996	23,856	3.79	19.65	5.12
South-Central Prairies	123	8.5	23.7	6,160	27,294	98,759	24,371	4.43	16.03	3.85
Flint Hills	76	5.3	14.6	3,806	14,824	52,184	13,322	3.89	13.71	3.59
Glaciated Plains	43	3.0	8.3	2,153	7,312	24,940	9,563	3.40	11.58	4.44
Osage Cuestas	65	4.5	12.5	3,255	13,622	64,253	19,486	4.18	19.74	4.80
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	64	6.6		2,543	7,630	63,143	15,230	3.00	24.83	8.09
Northern High Plains	7	0.7	10.9	278	795	3,775	2,883	2.86	13.57	5.00
Southern High Plains	8	0.8	12.5	318	1,113	11,047	12,279	3.50	34.75	7.56
Smoky Hills	21	2.2	32.8	834	3,179	24,756	8,221	3.81	29.67	8.34
South-Central Prairies	12	1.2	18.8	477	1,192	10,173	4,678	2.50	21.33	9.04
Flint Hills	8	0.8	12.5	318	874	9,577	6,517	2.75	30.13	9.06
Glaciated Plains	3	0.3	4.7	119	199	1,947	2,223	1.67	16.33	10.78
Osage Cuestas	5	0.5	7.8	199	278	1,868	1,971	1.40	9.40	6.80
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup>% Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred

Table 9: All Hunter Activity for Quail, 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1,363	56.4		62,653	300,441	531,241	47,388	4.80	8.48	1.73
Northern High Plains	113	4.7	8.3	5,194	23,627	32,269	11,593	4.55	6.21	1.24
Southern High Plains	228	9.4	16.7	10,480	50,196	94,462	16,300	4.79	9.01	2.00
Smoky Hills	469	19.4	34.4	21,559	101,311	163,827	23,072	4.70	7.60	1.56
South-Central Prairies	271	11.2	19.9	12,457	60,493	128,570	26,906	4.86	10.32	1.94
Flint Hills	161	6.7	11.8	7,401	37,003	65,595	22,306	5.00	8.86	1.79
Glaciated Plains	50	2.1	3.7	2,298	9,056	18,663	6,708	3.94	8.12	1.99
Osage Cuestas	71	2.9	5.2	3,264	18,755	27,856	7,925	5.75	8.54	1.62
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	821	56.8		41,116	209,787	346,657	43,826	5.10	8.43	1.60
Northern High Plains	43	3.0	5.2	2,153	8,864	12,771	10,491	4.12	5.93	1.13
Southern High Plains	111	7.7	13.5	5,559	33,604	54,237	13,805	6.05	9.76	1.83
Smoky Hills	272	18.8	33.1	13,622	63,803	92,699	18,816	4.68	6.81	1.39
South-Central Prairies	171	11.8	20.8	8,564	45,774	95,053	25,663	5.35	11.10	1.79
Flint Hills	123	8.5	15.0	6,160	31,601	50,581	23,079	5.13	8.21	1.69
Glaciated Plains	43	3.0	5.2	2,153	8,564	17,027	5,812	3.98	7.91	1.97
Osage Cuestas	58	4.0	7.1	2,905	17,578	24,289	7,932	6.05	8.36	1.51
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	542	55.7		21,538	93,264	184,183	21,742	4.33	8.55	1.92
Northern High Plains	70	7.2	12.9	2,782	13,392	17,763	5,937	4.81	6.39	1.31
Southern High Plains	117	12.0	21.6	4,649	16,729	38,625	8,995	3.60	8.31	2.17
Smoky Hills	197	20.2	36.3	7,828	36,956	68,070	13,243	4.72	8.70	1.78
South-Central Prairies	100	10.3	18.5	3,974	15,974	35,724	11,427	4.02	8.99	2.19
Flint Hills	38	3.9	7.0	1,510	6,914	16,571	6,336	4.58	10.97	2.13
Glaciated Plains	7	0.7	1.3	278	1,033	2,623	4,606	3.71	9.43	2.17
Osage Cuestas	13	1.3	2.4	517	2,265	4,808	3,136	4.38	9.31	2.12
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred

Table 10: All Hunter Activity for Pheasant, 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1,730	71.5		79,523	353,441	422,621	28,718	4.44	5.31	1.30
Northern High Plains	345	14.3	19.9	15,859	67,158	88,900	12,230	4.23	5.61	1.33
Southern High Plains	318	13.2	18.4	14,618	72,812	105,540	16,050	4.98	7.22	1.61
Smoky Hills	604	25.0	34.9	27,764	124,801	127,053	14,744	4.50	4.58	1.17
South-Central Prairies	306	12.7	17.7	14,066	63,756	81,683	13,154	4.53	5.81	1.30
Flint Hills	98	4.1	5.7	4,505	17,467	12,273	2,772	3.88	2.72	0.84
Glaciated Plains	47	1.9	2.7	2,160	6,527	5,608	1,788	3.02	2.60	1.22
Osage Cuestas	12	0.5	0.7	552	919	1,563	1,086	1.67	2.83	1.81
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	978	67.7		48,979	234,627	257,764	26,386	4.79	5.26	1.17
Northern High Plains	149	10.3	15.2	7,462	31,100	41,216	9,104	4.17	5.52	1.29
Southern High Plains	159	11.0	16.3	7,963	50,431	66,707	15,591	6.33	8.38	1.48
Smoky Hills	350	24.2	35.8	17,528	84,886	78,877	13,416	4.84	4.50	1.07
South-Central Prairies	196	13.6	20.0	9,816	47,076	55,790	12,781	4.80	5.68	1.15
Flint Hills	76	5.3	7.8	3,806	14,573	9,315	2,566	3.83	2.45	0.84
Glaciated Plains	41	2.8	4.2	2,053	5,960	5,359	1,798	2.90	2.61	1.27
Osage Cuestas	7	0.5	0.7	351	601	501	490	1.71	1.43	0.95
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	752	77.3		29,883	119,371	160,817	13,381	3.99	5.38	1.45
Northern High Plains	196	20.1	26.1	7,789	33,379	44,148	7,794	4.29	5.67	1.36
Southern High Plains	159	16.3	21.1	6,318	22,928	38,307	6,240	3.63	6.06	1.75
Smoky Hills	254	26.1	33.8	10,093	40,532	47,248	7,069	4.02	4.68	1.32
South-Central Prairies	110	11.3	14.6	4,371	17,763	26,346	5,255	4.06	6.03	1.57
Flint Hills	22	2.3	2.9	874	3,537	3,219	1,296	4.05	3.68	0.86
Glaciated Plains	6	0.6	0.8	238	914	596	849	3.83	2.50	0.88
Osage Cuestas	5	0.5	0.7	199	318	954	946	1.60	4.80	3.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred



Table 11: All Hunter Activity for Greater Prairie-Chicken, 2016-2017 Regular Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	71	2.9		3,264	13,296	3,022	1,344	4.07	0.93	0.27
Northern High Plains	7	0.3	9.9	322	1,931	46	112	6.00	0.14	0.01
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	39	1.6	54.9	1,793	5,963	1,364	763	3.33	0.76	0.31
South-Central Prairies	1	0.0	1.4	46	138	0	NE	3.00	0.00	0.00
Flint Hills	24	1.0	33.8	1,103	5,393	1,594	1,118	4.89	1.44	0.28
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	38	2.6		1,903	6,495	2,400	1,275	3.41	1.26	0.39
Northern High Plains	1	0.1	2.6	50	100	0	NE	2.00	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	23	1.6	60.5	1,152	3,826	1,070	687	3.32	0.93	0.43
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	14	1.0	36.8	701	2,557	1,320	1,118	3.65	1.88	0.35
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	33	3.4		1,311	6,482	637	468	4.94	0.49	0.12
Northern High Plains	6	0.6	18.2	238	1,589	40	102	6.67	0.17	0.01
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	16	1.6	48.5	636	2,119	318	395	3.33	0.50	0.13
South-Central Prairies	1	0.1	3.0	40	119	0	NE	3.00	0.00	0.00
Flint Hills	10	1.0	30.3	397	2,782	278	270	7.00	0.70	0.16
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup>% Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred

Table 12: All Hunter Activity for Greater Prairie Chicken, 2016-2017 Early Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	23	1.0		1,057	3,356	1,655	1,216	3.17	1.57	0.45
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	13	0.5	56.5	598	1,701	735	446	2.85	1.23	0.61
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	10	0.4	43.5	460	1,655	919	1,269	3.60	2.00	0.24
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	19	1.3		952	2,905	1,653	1,323	3.05	1.74	0.48
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	10	0.7	52.6	501	1,152	651	479	2.30	1.30	0.67
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	9	0.6	47.4	451	1,753	1,002	1,394	3.89	2.22	0.26
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	4	0.4		159	596	119	242	3.75	0.75	0.29
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	3	0.3	75.0	119	556	119	296	4.67	1.00	0.39
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	1	0.1	25.0	40	40	0	NE	1.00	0.00	0.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred

<sup>c</sup> During the 2012-2013 season the early prairie chicken season was expanded into northwest Kansas, including the Northern High Plains, which includes the northern extent of Lesser Prairie Chicken range.

Table 13: All Hunter Activity for Cottontail, 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	270	11.2		12,411	67,709	62,975	11,657	5.46	5.07	1.12
Northern High Plains	21	0.9	7.8	965	5,332	5,930	4,626	5.52	6.14	1.05
Southern High Plains	29	1.2	10.7	1,333	9,010	12,273	6,895	6.76	9.21	1.53
Smoky Hills	44	1.8	16.3	2,023	7,585	6,803	2,072	3.75	3.36	1.14
South-Central Prairies	27	1.1	10.0	1,241	3,953	2,712	1,369	3.19	2.19	0.93
Flint Hills	46	1.9	17.0	2,114	11,997	10,940	3,921	5.67	5.17	1.18
Glaciated Plains	45	1.9	16.7	2,069	9,653	7,125	4,136	4.67	3.44	0.85
Osage Cuestas	58	2.4	21.5	2,666	20,180	17,192	5,601	7.57	6.45	1.18
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	221	15.3		11,068	64,153	58,394	12,075	5.80	5.28	1.09
Northern High Plains	9	0.6	4.1	451	3,355	4,157	5,053	7.44	9.22	1.20
Southern High Plains	23	1.6	10.4	1,152	7,813	11,268	7,302	6.78	9.78	1.58
Smoky Hills	30	2.1	13.6	1,502	5,809	5,910	2,057	3.87	3.93	1.25
South-Central Prairies	23	1.6	10.4	1,152	3,906	2,704	1,491	3.39	2.35	0.97
Flint Hills	42	2.9	19.0	2,103	12,470	9,816	3,771	5.93	4.67	0.99
Glaciated Plains	42	2.9	19.0	2,103	9,565	7,462	4,502	4.55	3.55	0.86
Osage Cuestas	52	3.6	23.5	2,604	21,234	17,077	6,012	8.15	6.56	1.08
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	49	5.0		1,947	7,630	8,106	3,207	3.92	4.16	1.28
Northern High Plains	12	1.2	24.5	477	1,947	1,828	1,747	4.08	3.83	0.94
Southern High Plains	6	0.6	12.2	238	1,589	1,669	2,271	6.67	7.00	1.33
Smoky Hills	14	1.4	28.6	556	1,947	1,192	733	3.50	2.14	0.91
South-Central Prairies	4	0.4	8.2	159	318	199	126	2.00	1.25	0.71
Flint Hills	4	0.4	8.2	159	477	1,669	2,413	3.00	10.50	3.25
Glaciated Plains	3	0.3	6.1	119	755	238	592	6.33	2.00	0.71
Osage Cuestas	6	0.6	12.2	238	596	1,311	1,254	2.50	5.50	2.08
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred

Table 14: All Hunter Activity for Jackrabbit, 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	29	1.2		1,333	7,539	9,193	6,325	5.66	6.90	1.21
Northern High Plains	8	0.3	27.6	368	2,390	1,241	1,523	6.50	3.38	0.76
Southern High Plains	15	0.6	51.7	690	4,413	7,676	6,113	6.40	11.13	1.76
Smoky Hills	5	0.2	17.2	230	552	276	619	2.40	1.20	0.53
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.0	3.4	46	184	0	NE	4.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	20	1.4		1,002	6,510	9,215	6,743	6.50	9.20	1.49
Northern High Plains	4	0.3	20.0	200	1,552	1,052	2,183	7.75	5.25	1.02
Southern High Plains	13	0.9	65.0	651	4,557	7,863	6,672	7.00	12.08	1.78
Smoky Hills	2	0.1	10.0	100	200	300	2,545	2.00	3.00	1.33
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.1	5.0	50	200	0	NE	4.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	9	0.9		358	1,351	636	888	3.78	1.78	0.59
Northern High Plains	4	0.4	44.4	159	834	238	253	5.25	1.50	0.49
Southern High Plains	2	0.2	22.2	79	199	397	5,049	2.50	5.00	1.67
Smoky Hills	3	0.3	33.3	119	318	0	NE	2.67	0.00	0.00
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred

Table 15: All Hunter Activity for Squirrel, 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	206	8.5		9,469	51,713	51,253	11,340	5.46	5.41	1.20
Northern High Plains	3	0.1	1.5	138	598	276	685	4.33	2.00	0.79
Southern High Plains	2	0.1	1.0	92	92	184	1,168	1.00	2.00	2.00
Smoky Hills	25	1.0	12.1	1,149	2,988	2,620	1,125	2.60	2.28	1.24
South-Central Prairies	11	0.5	5.3	506	1,747	1,701	1,011	3.45	3.36	0.97
Flint Hills	49	2.0	23.8	2,252	11,814	10,159	3,904	5.24	4.51	1.02
Glaciated Plains	50	2.1	24.3	2,298	13,744	13,009	5,275	5.98	5.66	1.21
Osage Cuestas	66	2.7	32.0	3,034	20,731	23,305	9,097	6.83	7.68	1.34
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	196	13.6		9,816	54,037	54,688	12,280	5.51	5.57	1.23
Northern High Plains	1	0.1	0.5	50	50	100	NE	1.00	2.00	2.00
Southern High Plains	2	0.1	1.0	100	100	200	1,273	1.00	2.00	2.00
Smoky Hills	23	1.6	11.7	1,152	3,055	2,855	1,181	2.65	2.48	1.35
South-Central Prairies	10	0.7	5.1	501	1,653	1,352	756	3.30	2.70	0.87
Flint Hills	48	3.3	24.5	2,404	12,771	11,068	4,232	5.31	4.60	1.04
Glaciated Plains	49	3.4	25.0	2,454	14,223	14,023	5,744	5.80	5.71	1.23
Osage Cuestas	63	4.4	32.1	3,155	22,186	25,090	9,864	7.03	7.95	1.37
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	10	1.0		397	1,828	914	939	4.60	2.30	0.46
Northern High Plains	2	0.2	20.0	79	477	159	2,020	6.00	2.00	0.18
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	2	0.2	20.0	79	159	0	NE	2.00	0.00	0.00
South-Central Prairies	1	0.1	10.0	40	199	397	NE	5.00	10.00	2.00
Flint Hills	1	0.1	10.0	40	79	0	NE	2.00	0.00	0.00
Glaciated Plains	1	0.1	10.0	40	596	119	NE	15.00	3.00	0.20
Osage Cuestas	3	0.3	30.0	119	318	238	784	2.67	2.00	0.67
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active small game hunter for State represents the % of respondents that hunted this species who also indicated that they hunted any small game this season, but for regions it represents the percent of the state total

<sup>b</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest occurred

Table 16. Mean number of Upland Game hunting days and proportion occurring on Public Land.

Year	Sample Active Hunters	Mean No. Upland Days	Mean No. Public Upland Days	Percent on Public Land
2014	2,012	6.83	1.60	21.34
2015	1,732	5.93	1.24	21.29
2016	2,026	5.99	1.18	19.50

Table 17. Number and percent of non-resident respondents by state or country of residence 2016-2017.

State/Country	Number	Percent	State/Country	Number	Percent
Colorado	263	14.06	South Carolina	21	1.12
Texas	200	10.70	New York	16	0.86
Missouri	198	10.59	Virginia	15	0.80
Oklahoma	181	9.68	Arizona	13	0.70
Arkansas	117	6.26	Utah	13	0.70
Louisiana	71	3.80	South Dakota	12	0.64
Minnesota	59	3.16	Wyoming	12	0.64
Wisconsin	50	2.67	Washington	11	0.59
Michigan	49	2.62	Maryland	10	0.53
North Carolina	48	2.57	Montana	10	0.53
Georgia	47	2.51	Connecticut	7	0.37
Nebraska	43	2.30	New Jersey	7	0.37
Illinois	38	2.03	Alaska	6	0.32
Pennsylvania	38	2.03	Nevada	6	0.32
Florida	36	1.93	West Virginia	6	0.32
Mississippi	36	1.93	Idaho	5	0.27
Iowa	32	1.71	North Dakota	5	0.27
Alabama	28	1.50	Vermont	5	0.27
Tennessee	28	1.50	Oregon	4	0.21
New Mexico	27	1.44	Delaware	2	0.11
Indiana	24	1.28	Massachusetts	2	0.11
California	22	1.18	Hawaii	1	0.05
Kentucky	22	1.18	Maine	1	0.05
Ohio	21	1.12	Rhode Island	1	0.05

Table 18. Regional breakdown of hunting activity as indicated by sample sizes for the 2016-2017 season. State values in ( ) indicate percent of the total active respondents. Regional values in ( ) indicate percent of the state total for the species.

Region	Dove	Bobwhite	Pheasant	<sup>a</sup> Greater Prairie Chicken (Regular)	<sup>a</sup> Lesser Prairie Chicken	Cottontail	Jackrabbit	Squirrel
All Hunters (Resident and Non-Resident)								
State	583 (24)	1,352 (56)	1,730 (72)	71 (3)	2 (0)	270 (11)	29 (1)	206 (9)
Northern High Plains	42 (2)	110 (5)	345 (14)	7 (0)	0 (0)	21 (1)	8 (0)	3 (0)
Southern High Plains	61 (3)	223 (9)	318 (13)	0 (0)	0 (0)	29 (1)	15 (1)	2 (0)
Smoky Hills	145 (6)	467 (19)	604 (25)	39 (2)	1 (0)	44 (2)	5 (0)	25 (1)
South-Central Prairies	135 (6)	270 (11)	306 (13)	1 (0)	1 (0)	27 (1)	0 (0)	11 (0)
Flint Hills	84 (3)	161 (7)	98 (4)	24 (1)	0 (0)	46 (2)	0 (0)	49 (2)
Glaciated Plains	46 (2)	50 (2)	47 (2)	0 (0)	0 (0)	45 (2)	0 (0)	50 (2)
Osage Cuestas	70 (3)	71 (3)	12 (0)	0 (0)	0 (0)	58 (2)	1 (0)	66 (3)
Resident								
State	519 (36)	817 (57)	978 (68)	38 (3)	0 (0)	221 (15)	20 (1)	196 (14)
Northern High Plains	35 (2)	42 (3)	149 (10)	1 (0)	0 (0)	9 (1)	4 (0)	1 (0)
Southern High Plains	53 (4)	110 (8)	159 (11)	0 (0)	0 (0)	23 (2)	13 (1)	2 (0)
Smoky Hills	124 (9)	271 (19)	350 (24)	23 (2)	0 (0)	30 (2)	2 (0)	23 (2)
South-Central Prairies	123 (9)	170 (12)	196 (14)	0 (0)	0 (0)	23 (2)	0 (0)	10 (1)
Flint Hills	76 (5)	123 (9)	76 (5)	14 (1)	0 (0)	42 (3)	0 (0)	48 (3)
Glaciated Plains	43 (3)	43 (3)	41 (3)	0 (0)	0 (0)	42 (3)	0 (0)	49 (3)
Osage Cuestas	65 (4)	58 (4)	7 (0)	0 (0)	0 (0)	52 (4)	1 (0)	63 (4)
Non-Resident								
State	64 (7)	535 (55)	752 (77)	33 (3)	2 (0)	49 (5)	9 (1)	10 (1)
Northern High Plains	7 (1)	68 (7)	196 (20)	6 (1)	0 (0)	12 (1)	4 (0)	2 (0)
Southern High Plains	8 (1)	113 (12)	159 (16)	0 (0)	0 (0)	6 (1)	2 (0)	0 (0)
Smoky Hills	21 (2)	196 (20)	254 (26)	16 (2)	1 (0)	14 (1)	3 (0)	2 (0)
South-Central Prairies	12 (1)	100 (10)	110 (11)	1 (0)	1 (0)	4 (0)	0 (0)	1 (0)
Flint Hills	8 (1)	38 (4)	22 (2)	10 (1)	0 (0)	4 (0)	0 (0)	1 (0)
Glaciated Plains	3 (0)	7 (1)	6 (1)	0 (0)	0 (0)	3 (0)	0 (0)	1 (0)
Osage Cuestas	5 (1)	13 (1)	5 (1)	0 (0)	0 (0)	6 (1)	0 (0)	3 (0)

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> Prairie Chickens were calculated by historic counties dominated by either species (see introduction for list of counties).



## Prairie Dog Hunter Activity Tables

Table 19. All hunter activity for prairie dog, 2016-2017 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	85	3.5		3,907	19,582	203,542	90,866	5.01	52.09	11.88
Northern High Plains	34	1.4	40.0	1,563	10,343	86,096	40,428	6.62	55.09	13.22
Southern High Plains	29	1.2	34.1	1,333	6,481	93,635	80,801	4.86	70.24	11.78
Smoky Hills	10	0.4	11.8	460	1,057	5,102	3,587	2.30	11.10	4.57
South-Central Prairies	12	0.5	14.1	552	1,701	18,709	24,196	3.08	33.92	14.40
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	62	4.3		3,105	17,829	150,492	89,329	5.74	48.47	9.43
Northern High Plains	24	1.7	38.7	1,202	9,465	59,746	34,220	7.88	49.71	11.56
Southern High Plains	20	1.4	32.3	1,002	5,809	80,229	85,484	5.80	80.10	11.74
Smoky Hills	9	0.6	14.5	451	1,002	4,057	3,180	2.22	9.00	3.96
South-Central Prairies	9	0.6	14.5	451	1,552	6,460	4,334	3.44	14.33	4.05
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	23	2.4		914	2,782	56,546	36,788	3.04	61.87	18.48
Northern High Plains	10	1.0	43.5	397	1,431	27,021	25,855	3.60	68.00	17.19
Southern High Plains	9	0.9	39.1	358	993	17,286	26,241	2.78	48.33	11.87
Smoky Hills	1	0.1	4.3	40	119	1,192	NE	3.00	30.00	10.00
South-Central Prairies	3	0.3	13.0	119	238	11,047	40,482	2.00	92.67	45.44
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

## Coyote Hunter Activity Tables

Table 20. All hunter activity for Coyote, 2016-2017 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	491	20.3		22,570	140,659	66,652	12,282	6.23	2.95	0.47
Northern High Plains	38	1.6	7.7	1,747	11,170	11,032	6,350	6.39	6.32	0.71
Southern High Plains	46	1.9	9.4	2,114	16,778	10,848	6,374	7.93	5.13	0.74
Smoky Hills	126	5.2	25.7	5,792	31,625	13,744	4,074	5.46	2.37	0.46
South-Central Prairies	48	2.0	9.8	2,206	15,123	5,194	2,002	6.85	2.35	0.47
Flint Hills	93	3.8	18.9	4,275	22,708	10,848	5,075	5.31	2.54	0.42
Glaciated Plains	58	2.4	11.8	2,666	15,537	6,206	2,940	5.83	2.33	0.41
Osage Cuestas	82	3.4	16.7	3,769	27,718	8,780	4,122	7.35	2.33	0.30
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	401	27.8		20,082	137,421	64,654	12,635	6.84	3.22	0.46
Northern High Plains	26	1.8	6.5	1,302	9,716	9,615	5,840	7.46	7.38	0.79
Southern High Plains	38	2.6	9.5	1,903	17,378	11,118	6,875	9.13	5.84	0.77
Smoky Hills	101	7.0	25.2	5,058	29,447	13,171	4,232	5.82	2.60	0.47
South-Central Prairies	39	2.7	9.7	1,953	15,725	5,108	2,118	8.05	2.62	0.43
Flint Hills	78	5.4	19.5	3,906	21,885	11,018	5,501	5.60	2.82	0.42
Glaciated Plains	53	3.7	13.2	2,654	15,425	6,510	3,178	5.81	2.45	0.42
Osage Cuestas	66	4.6	16.5	3,305	27,845	8,113	4,305	8.42	2.45	0.25
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	90	9.2		3,576	12,557	6,318	3,435	3.51	1.77	0.47
Northern High Plains	12	1.2	13.3	477	1,947	1,907	3,356	4.08	4.00	0.54
Southern High Plains	8	0.8	8.9	318	715	556	762	2.25	1.75	0.56
Smoky Hills	25	2.6	27.8	993	3,974	1,431	1,079	4.00	1.44	0.45
South-Central Prairies	9	0.9	10.0	358	596	437	430	1.67	1.22	0.63
Flint Hills	15	1.5	16.7	596	2,265	636	341	3.80	1.07	0.39
Glaciated Plains	5	0.5	5.6	199	1,192	199	427	6.00	1.00	0.26
Osage Cuestas	16	1.6	17.8	636	1,868	1,152	1,162	2.94	1.81	0.49
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 21. All hunter activity for coyote hunters without a furharvester license, 2016-2017 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	364	15.1		16,732	100,852	39,945	8,751	6.03	2.39	0.42
Northern High Plains	29	1.2	8.0	1,333	7,906	6,573	5,130	5.93	4.93	0.57
Southern High Plains	36	1.5	9.9	1,655	13,055	4,918	2,433	7.89	2.97	0.55
Smoky Hills	88	3.6	24.2	4,045	20,088	8,182	3,571	4.97	2.02	0.45
South-Central Prairies	36	1.5	9.9	1,655	11,997	3,585	1,808	7.25	2.17	0.46
Flint Hills	70	2.9	19.2	3,218	14,663	6,297	3,619	4.56	1.96	0.38
Glaciated Plains	39	1.6	10.7	1,793	9,837	3,953	2,657	5.49	2.21	0.40
Osage Cuestas	66	2.7	18.1	3,034	23,305	6,435	3,440	7.68	2.12	0.27
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	277	19.2		13,872	95,253	36,308	8,567	6.87	2.62	0.40
Northern High Plains	17	1.2	6.1	851	6,160	4,758	4,236	7.24	5.59	0.59
Southern High Plains	28	1.9	10.1	1,402	13,321	4,657	2,538	9.50	3.32	0.54
Smoky Hills	64	4.4	23.1	3,205	17,378	7,712	3,808	5.42	2.41	0.47
South-Central Prairies	27	1.9	9.7	1,352	12,320	3,355	1,919	9.11	2.48	0.40
Flint Hills	57	3.9	20.6	2,855	13,822	6,210	3,933	4.84	2.18	0.38
Glaciated Plains	34	2.4	12.3	1,703	9,215	4,057	2,877	5.41	2.38	0.42
Osage Cuestas	50	3.5	18.1	2,504	23,037	5,559	3,528	9.20	2.22	0.19
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	87	8.9		3,457	11,603	5,722	3,335	3.36	1.66	0.47
Northern High Plains	12	1.2	13.8	477	1,947	1,907	3,356	4.08	4.00	0.54
Southern High Plains	8	0.8	9.2	318	715	556	762	2.25	1.75	0.56
Smoky Hills	24	2.5	27.6	954	3,576	954	594	3.75	1.00	0.41
South-Central Prairies	9	0.9	10.3	358	596	437	430	1.67	1.22	0.63
Flint Hills	13	1.3	14.9	517	1,709	517	285	3.31	1.00	0.39
Glaciated Plains	5	0.5	5.7	199	1,192	199	427	6.00	1.00	0.26
Osage Cuestas	16	1.6	18.4	636	1,868	1,152	1,162	2.94	1.81	0.49
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 22. All hunter activity for coyote hunters with a furharvester license, 2016-2017 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	127	5.3		5,838	39,807	26,707	8,498	6.82	4.57	0.60
Northern High Plains	9	0.4	7.1	414	3,264	4,459	4,245	7.89	10.78	1.16
Southern High Plains	10	0.4	7.9	460	3,723	5,930	6,205	8.10	12.90	1.42
Smoky Hills	38	1.6	29.9	1,747	11,538	5,562	1,988	6.61	3.18	0.49
South-Central Prairies	12	0.5	9.4	552	3,126	1,609	996	5.67	2.92	0.50
Flint Hills	23	1.0	18.1	1,057	8,044	4,551	3,682	7.61	4.30	0.53
Glaciated Plains	19	0.8	15.0	873	5,700	2,252	1,426	6.53	2.58	0.43
Osage Cuestas	16	0.7	12.6	735	4,413	2,344	2,496	6.00	3.19	0.44
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	124	8.6		6,210	42,168	28,346	9,220	6.79	4.56	0.60
Northern High Plains	9	0.6	7.3	451	3,556	4,858	4,625	7.89	10.78	1.16
Southern High Plains	10	0.7	8.1	501	4,057	6,460	6,760	8.10	12.90	1.42
Smoky Hills	37	2.6	29.8	1,853	12,069	5,459	1,964	6.51	2.95	0.47
South-Central Prairies	12	0.8	9.7	601	3,405	1,753	1,086	5.67	2.92	0.50
Flint Hills	21	1.5	16.9	1,052	8,063	4,808	4,013	7.67	4.57	0.54
Glaciated Plains	19	1.3	15.3	952	6,210	2,454	1,554	6.53	2.58	0.43
Osage Cuestas	16	1.1	12.9	801	4,808	2,554	2,719	6.00	3.19	0.44
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	3	0.3		119	954	596	1,849	8.00	5.00	0.65
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	1	0.1	33.3	40	397	477	NE	10.00	12.00	1.20
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	2	0.2	66.7	79	556	119	1,515	7.00	1.50	0.38
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Furharvester licenses are generally purchased by residents only

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

## Waterfowl Hunting Estimates

Table 23. All hunter activity for teal, 2016 special early season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	81	3.3		3,723	11,032	33,970	9,355	2.96	9.12	2.82
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	4	0.2	4.9	184	644	1,839	1,453	3.50	10.00	2.94
Smoky Hills	45	1.9	55.6	2,069	6,022	20,180	5,721	2.91	9.76	3.06
South-Central Prairies	10	0.4	12.3	460	1,517	3,448	2,765	3.30	7.50	2.07
Flint Hills	9	0.4	11.1	414	919	2,528	2,819	2.22	6.11	2.05
Glaciated Plains	4	0.2	4.9	184	368	919	1,530	2.00	5.00	3.75
Osage Cuestas	9	0.4	11.1	414	1,563	5,056	7,867	3.78	12.22	2.67
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	68	4.7		3,405	9,966	28,997	9,305	2.93	8.51	2.66
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	4	0.3	5.9	200	701	2,003	1,583	3.50	10.00	2.94
Smoky Hills	35	2.4	51.5	1,753	4,808	14,674	4,664	2.74	8.37	2.85
South-Central Prairies	9	0.6	13.2	451	1,502	3,706	2,974	3.33	8.22	2.26
Flint Hills	9	0.6	13.2	451	1,002	2,754	3,072	2.22	6.11	2.05
Glaciated Plains	4	0.3	5.9	200	401	1,002	1,667	2.00	5.00	3.75
Osage Cuestas	7	0.5	10.3	351	1,552	4,858	9,181	4.43	13.86	2.08
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	13	1.3		517	1,629	6,358	3,644	3.15	12.31	3.66
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	10	1.0	76.9	397	1,391	5,802	3,528	3.50	14.60	3.77
South-Central Prairies	1	0.1	7.7	40	119	40	NE	3.00	1.00	0.33
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.2	15.4	79	119	517	505	1.50	6.50	4.75
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 24. All hunter activity for ducks, 2016-2017 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	391	16.2		17,973	119,330	242,062	37,747	6.64	13.47	1.92
Northern High Plains	3	0.1	0.8	138	873	1,839	5,050	6.33	13.33	1.67
Southern High Plains	5	0.2	1.3	230	1,931	2,988	1,627	8.40	13.00	1.61
Smoky Hills	97	4.0	24.8	4,459	25,742	69,594	25,146	5.77	15.61	2.21
South-Central Prairies	76	3.1	19.4	3,493	23,397	50,380	16,789	6.70	14.42	2.04
Flint Hills	69	2.9	17.6	3,172	21,191	45,278	13,434	6.68	14.28	2.17
Glaciated Plains	45	1.9	11.5	2,069	12,365	18,984	7,781	5.98	9.18	1.26
Osage Cuestas	96	4.0	24.6	4,413	33,832	53,000	17,278	7.67	12.01	1.68
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	262	18.1		13,121	102,214	190,907	36,343	7.79	14.55	1.66
Northern High Plains	2	0.1	0.8	100	801	1,903	13,999	8.00	19.00	2.17
Southern High Plains	5	0.3	1.9	250	2,103	3,255	1,772	8.40	13.00	1.61
Smoky Hills	56	3.9	21.4	2,805	18,480	44,421	22,431	6.59	15.84	1.72
South-Central Prairies	54	3.7	20.6	2,704	20,483	42,418	17,310	7.57	15.69	1.95
Flint Hills	52	3.6	19.8	2,604	18,880	41,417	14,253	7.25	15.90	2.06
Glaciated Plains	35	2.4	13.4	1,753	11,719	16,026	7,108	6.69	9.14	1.10
Osage Cuestas	58	4.0	22.1	2,905	29,748	41,467	17,794	10.24	14.28	1.30
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	129	13.3		5,126	22,054	57,778	15,342	4.30	11.27	2.45
Northern High Plains	1	0.1	0.8	40	119	79	NE	3.00	2.00	0.67
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	41	4.2	31.8	1,629	7,590	24,915	13,137	4.66	15.29	2.89
South-Central Prairies	22	2.3	17.1	874	3,974	9,895	5,165	4.55	11.32	2.26
Flint Hills	17	1.7	13.2	676	3,338	6,279	2,560	4.94	9.29	2.53
Glaciated Plains	10	1.0	7.8	397	1,391	3,696	4,404	3.50	9.30	1.83
Osage Cuestas	38	3.9	29.5	1,510	5,643	12,915	5,016	3.74	8.55	2.25
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 25. All hunter activity for all goose species, 2016-2017 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	314	13.0		14,434	93,037	173,158	50,648	6.45	12.00	2.04
Northern High Plains	7	0.3	2.2	322	2,298	3,402	6,303	7.14	10.57	1.31
Southern High Plains	12	0.5	3.8	552	3,769	11,814	11,559	6.83	21.42	3.04
Smoky Hills	57	2.4	18.2	2,620	14,112	26,339	12,371	5.39	10.05	3.09
South-Central Prairies	84	3.5	26.8	3,861	25,052	49,736	18,493	6.49	12.88	2.23
Flint Hills	54	2.2	17.2	2,482	18,801	30,982	13,674	7.57	12.48	1.69
Glaciated Plains	43	1.8	13.7	1,977	13,560	37,785	42,933	6.86	19.12	1.79
Osage Cuestas	57	2.4	18.2	2,620	15,445	13,101	4,770	5.89	5.00	1.13
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	224	15.5		11,218	86,589	154,148	53,734	7.72	13.74	1.53
Northern High Plains	6	0.4	2.7	300	2,454	3,656	7,170	8.17	12.17	1.36
Southern High Plains	10	0.7	4.5	501	3,956	12,019	12,842	7.90	24.00	2.34
Smoky Hills	26	1.8	11.6	1,302	10,667	18,930	11,282	8.19	14.54	1.61
South-Central Prairies	62	4.3	27.7	3,105	23,287	39,714	18,973	7.50	12.79	1.51
Flint Hills	44	3.0	19.6	2,204	19,081	29,898	14,438	8.66	13.57	1.47
Glaciated Plains	37	2.6	16.5	1,853	13,672	38,161	46,814	7.38	20.59	1.72
Osage Cuestas	39	2.7	17.4	1,953	13,472	11,769	4,905	6.90	6.03	1.19
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	90	9.2		3,576	11,723	27,379	9,757	3.28	7.66	3.33
Northern High Plains	1	0.1	1.1	40	40	40	NE	1.00	1.00	1.00
Southern High Plains	2	0.2	2.2	79	119	676	505	1.50	8.50	6.50
Smoky Hills	31	3.2	34.4	1,232	3,735	7,749	5,986	3.03	6.29	4.33
South-Central Prairies	22	2.3	24.4	874	3,179	11,484	6,047	3.64	13.14	4.25
Flint Hills	10	1.0	11.1	397	1,113	3,060	3,464	2.80	7.70	2.63
Glaciated Plains	6	0.6	6.7	238	874	2,384	4,926	3.67	10.00	2.23
Osage Cuestas	18	1.8	20.0	715	2,662	1,987	1,294	3.72	2.78	1.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

\*Resident and Non-Resident data does not always sum for All Hunters due to extrapolation of survey data from respondents to the entire licensed hunter population

<sup>a</sup>% Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup>% Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

## Other Migratory Bird Hunting Estimates

Table 26: All Hunter Activity for Woodcock for 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1	0.0		46	138	0	NE	3.00	0.00	0.00
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
South-Central Prairies	1	0.0	100.0	46	138	0	NE	3.00	0.00	0.00
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

<sup>a</sup>% Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup>% Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 27: All Hunter Activity for Snipe, for 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	5	0.2		230	414	460	534	1.80	2.00	1.30
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	1	0.0	20.0	46	92	184	NE	2.00	4.00	2.00
South-Central Prairies	2	0.1	40.0	92	184	0	NE	2.00	0.00	0.00
Flint Hills	1	0.0	20.0	46	46	138	NE	1.00	3.00	3.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.0	20.0	46	92	138	NE	2.00	3.00	1.50
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

<sup>a</sup>% Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup>% Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest



Table 28: All Hunter Activity for Rail for 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	3	0.1		138	230	230	523	1.67	1.67	1.67
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	1	0.0	33.3	46	46	92	NE	1.00	2.00	2.00
South-Central Prairies	2	0.1	66.7	92	184	138	1,752	2.00	1.50	1.50
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 29: All Hunter Activity for Crane, for 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	4	0.2		184	368	552	632	2.00	3.00	1.50
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	2	0.1	50.0	92	92	138	584	1.00	1.50	1.50
South-Central Prairies	2	0.1	50.0	92	276	414	1,752	3.00	4.50	1.50
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 30: All Hunter Activity for Coos, for 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	7	0.3		322	1,793	2,804	4,208	5.57	8.71	2.05
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	3	0.1	42.9	138	1,517	1,977	7,616	11.00	14.33	1.11
South-Central Prairies	2	0.1	28.6	92	138	598	4,088	1.50	6.50	4.00
Flint Hills	1	0.0	14.3	46	92	184	NE	2.00	4.00	2.00
Glaciated Plains	1	0.0	14.3	46	46	46	NE	1.00	1.00	1.00
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest

Table 31: All Hunter Activity for Crow, for 2016-2017 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	42	1.7		1,931	12,089	40,221	46,909	6.26	20.83	3.49
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	2	0.1	4.8	92	92	230	2,920	1.00	2.50	2.50
South-Central Prairies	4	0.2	9.5	184	230	368	534	1.25	2.00	2.00
Flint Hills	13	0.5	31.0	598	6,206	30,338	49,675	10.38	50.77	5.53
Glaciated Plains	7	0.3	16.7	322	781	1,609	1,396	2.43	5.00	2.79
Osage Cuestas	16	0.7	38.1	735	4,781	7,676	7,006	6.50	10.44	2.64
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

<sup>a</sup> % Active SG hunter represents the % of respondents that hunted this species who also indicated that they hunted any small game

<sup>b</sup> % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

<sup>c</sup> Confidence Intervals provide a range of values above and below the estimated total harvest where there is 95% probability that the true total harvest