

SMALL GAME HUNTER ACTIVITY SURVEY – 2017

STATEWIDE WILDLIFE RESEARCH AND SURVEYS

**Performance Report
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**Robin Jennison
Secretary**

**Keith Sexson
Assistant Secretary
Wildlife, Fisheries, and Boating**

**Jake George
Wildlife Division Director**

**Richard Schultheis
Wildlife Research Supervisor**

Prepared by:

**Jeff Prendergast
Small Game Specialist**

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SMALL GAME HUNTER ACTIVITY SURVEY - 2017

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

Procedure: A random sample of 15,526 Kansas residents and 7754 non-residents with valid hunting, combination, and lifetime licenses for the 2017-2018 hunting season (stratified sample of 10% of all license types) were selected. The following are not required to have a hunting license: 1) owners of land or tenants of land leased for agriculture while hunting on this land 2) Immediate family members living with resident/non-resident landowners tenants, while hunting on this land, 3) residents 15 and younger 4) residents 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 2018 of their selection for the survey and asked to complete an on-line questionnaire of their hunting activity for the 2017-2018 season. For those receiving postcard notifications, non-respondents were mailed a reminder notification after approximately 2 weeks 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 2017-2018 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 has been closed since 2014 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 22,059 deliverable notifications, 4,649 usable responses were obtained for an overall response rate of 21%. These included 2,865 responses from resident hunters and 1,784 responses from non-resident hunters. Of these, 2,331 (50%) 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 2017-2018 seasons.

A summary of historic small game hunting season regulations follows.

Table 1. Historic small game regulations, Kansas, 1957-2017.

Years	Season Dates	Daily Bag	Possession	Open Area
<u>DOVE</u>				
2016-2017	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
<u>QUAIL</u>				
2008 - 2017	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 - 2017	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

1958	Nov. 7-11	4	8	all counties west (62 co's).
1957	Nov. 9-12	3	6	Same co's as 1957 HP,KM,PR,SF,RC,EW,LC,OT,CY,WS, and all counties west (59 co's).
<u>PRAIRIE CHICKEN</u>				
2015-2017	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.
<u>COTTONTAIL</u>				
1993 - 2017	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
<u>SQUIRREL</u>				
1997 - 2017	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 - 2017.

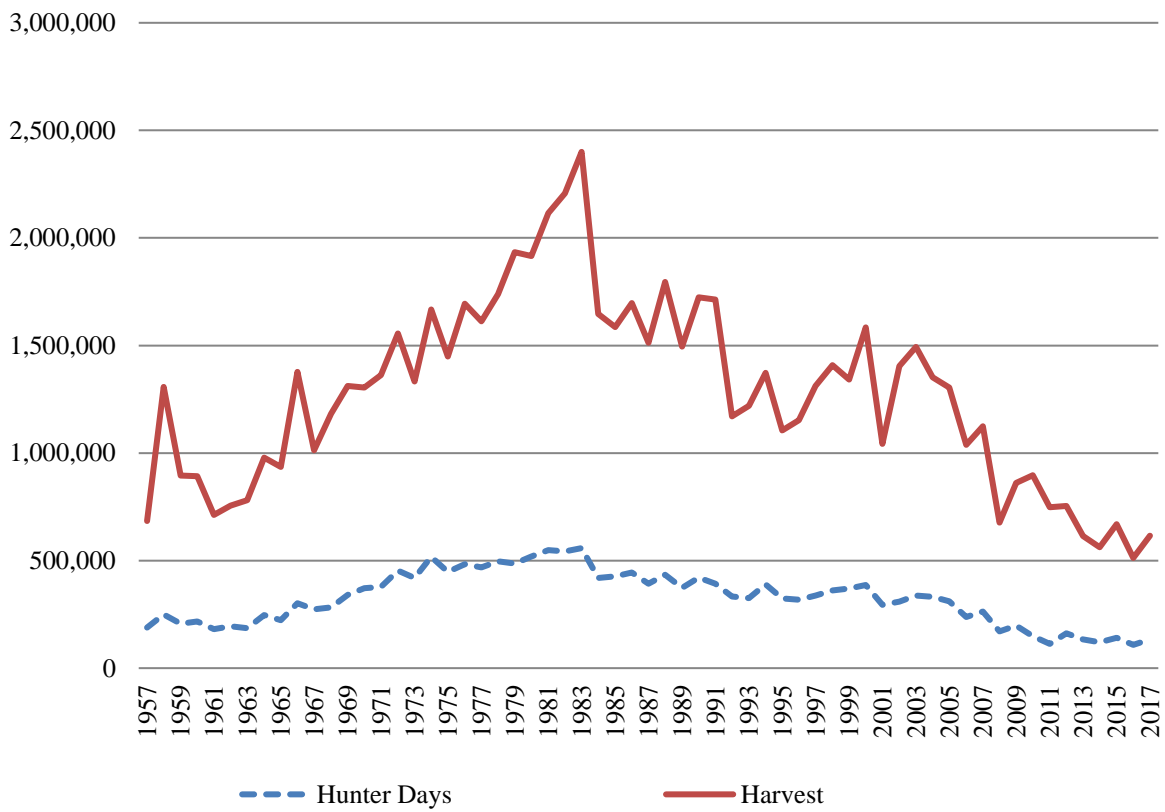


Table 2: Estimated Annual **DOVE** hunting Activity

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
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
^c 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
^d 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
2017	27	31,997	133,697	615,757	4.18	19.24	5.10

*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 - 2017.

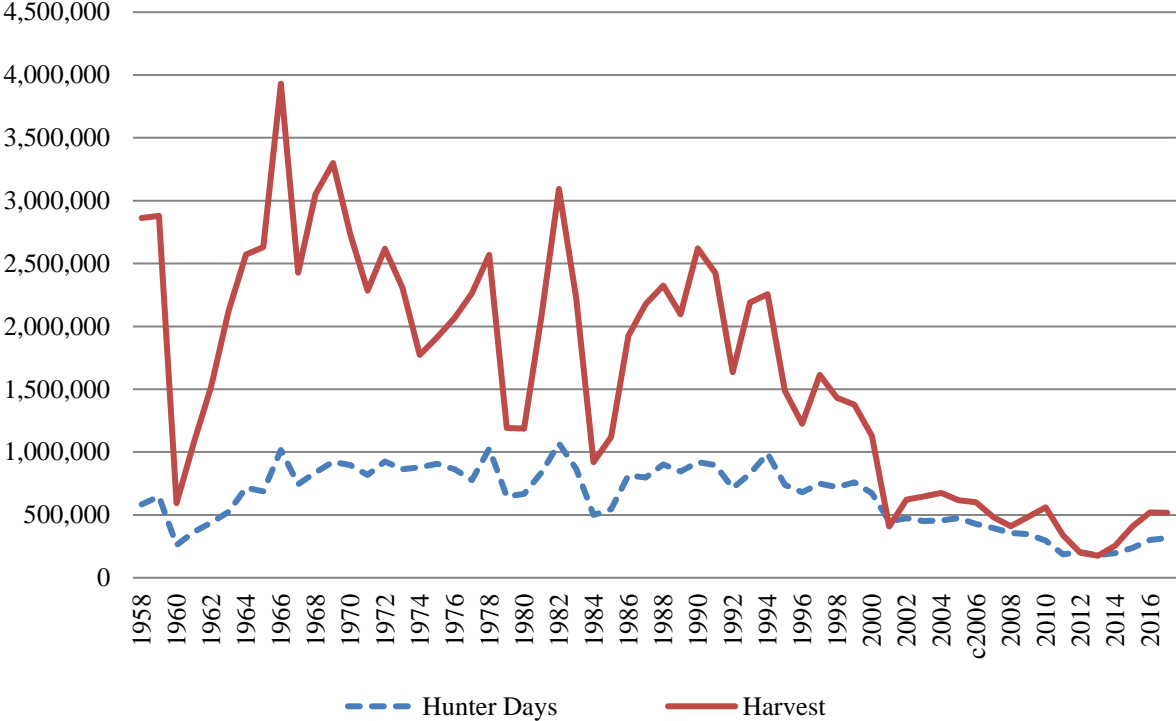


Table 3: Estimated Annual QUAIL hunting Activity

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
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
^c 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
^d 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
2017	56	65,246	316,116	518,163	4.84	7.94	1.60

*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 - 2017.

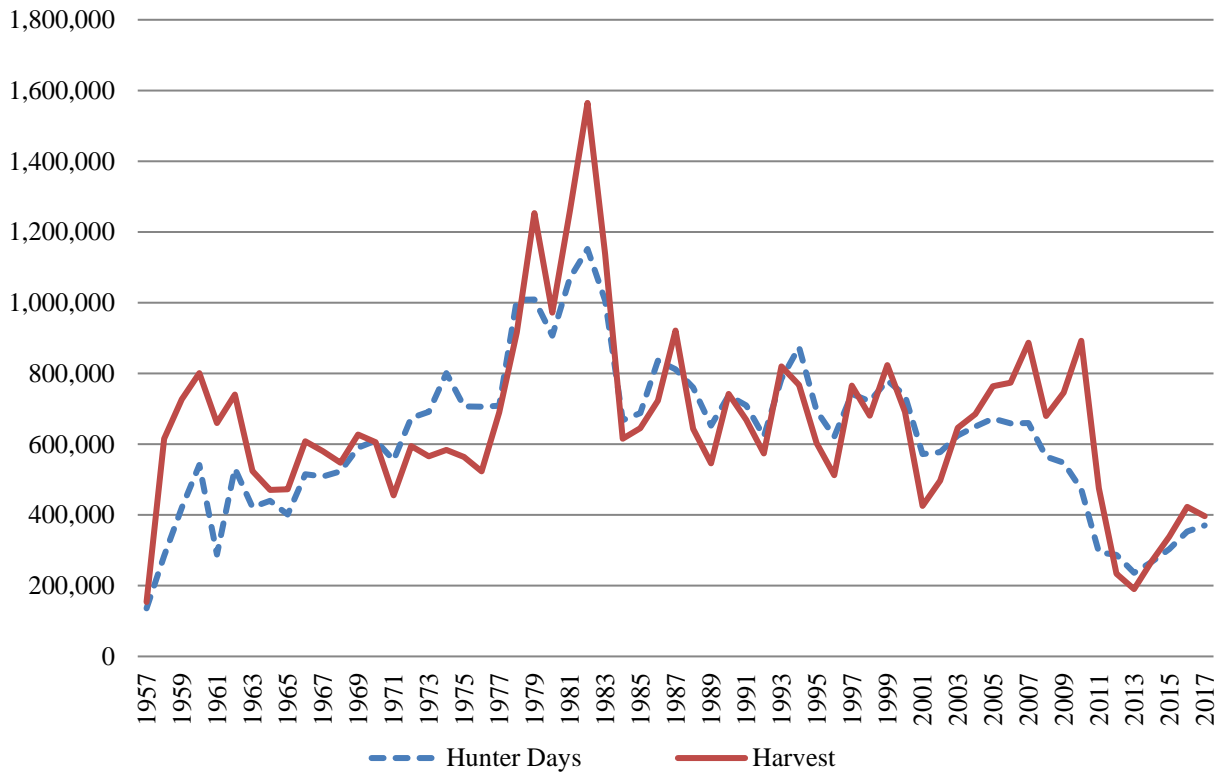


Table 4: Estimated Annual PHEASANT hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. ^a Total Harvest	Season Days Per Hunter	Season ^a Bag Per Hunter	Avg ^a Bag Per Day
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
^d 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
^e 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
2017	69	80,018	370,696	396,334	4.63	4.95	1.19

*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, 1957-2017.

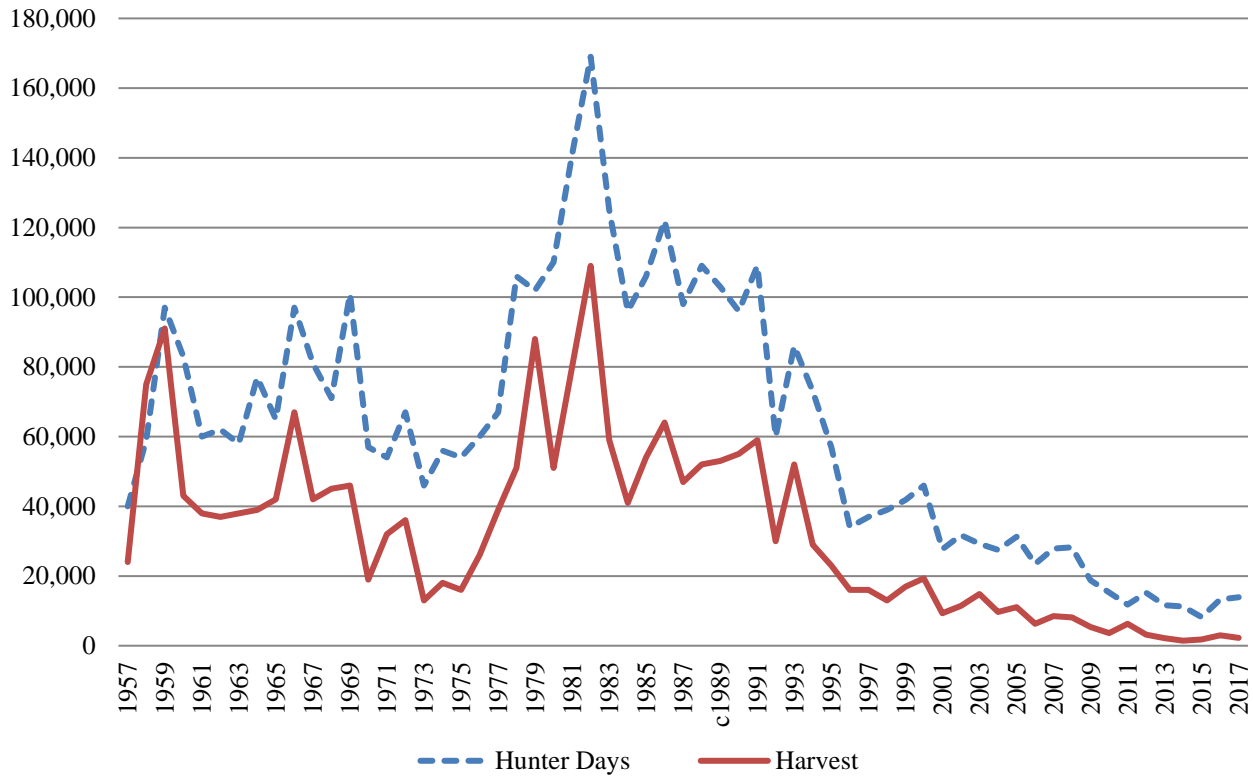


Table 5: Estimated Annual **GREATER PRAIRIE CHICKEN** hunting Activity

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
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
^c 1979	16	36,100	102,000	88,000	2.83	2.45	^b 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
^d 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
^e 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
^f 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
2017	3	3,956	13,868	2,267	3.51	0.57	0.23

*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 Cottontail Harvest, 1958 - 2017.

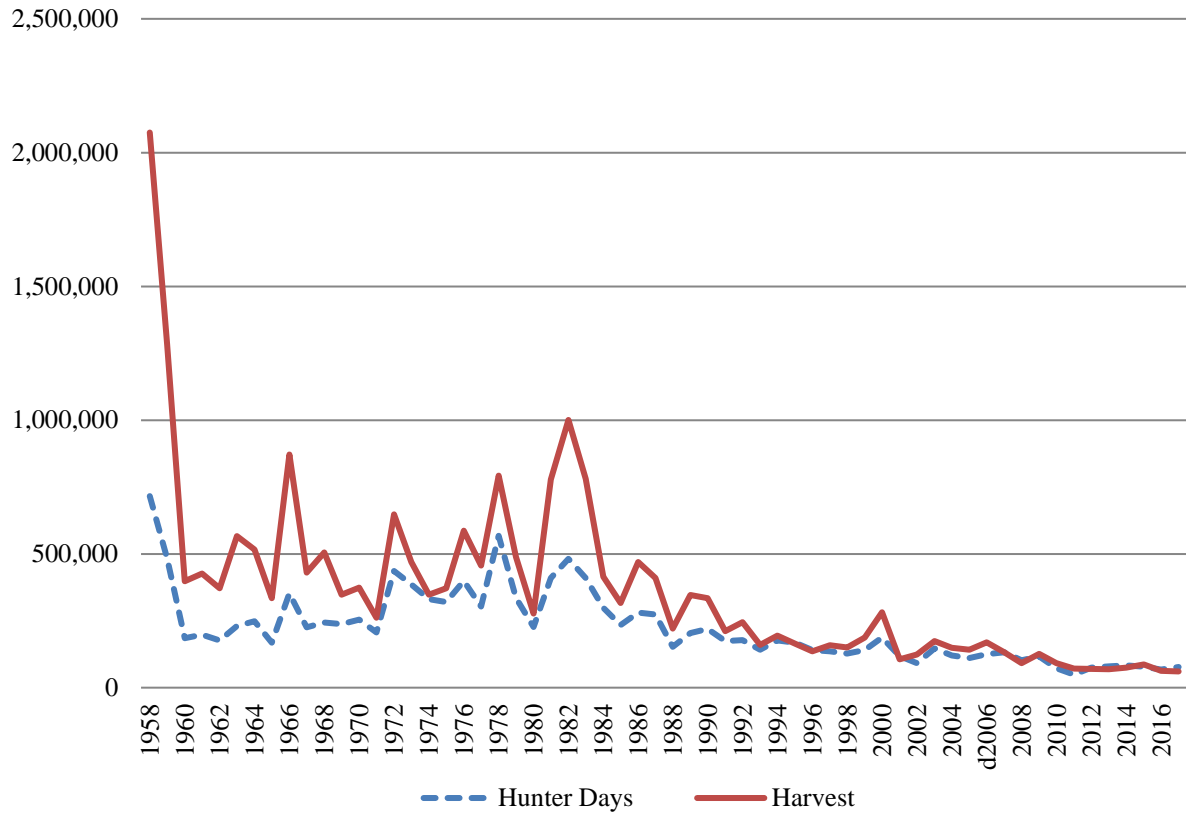


Table 6: Estimated Annual **COTTONTAIL** hunting Activity

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
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
^c 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
^d 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
2017	11	12,318	77,064	60,639	6.26	4.92	1.14

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Kansas Squirrel Harvest, 1957 - 2017.

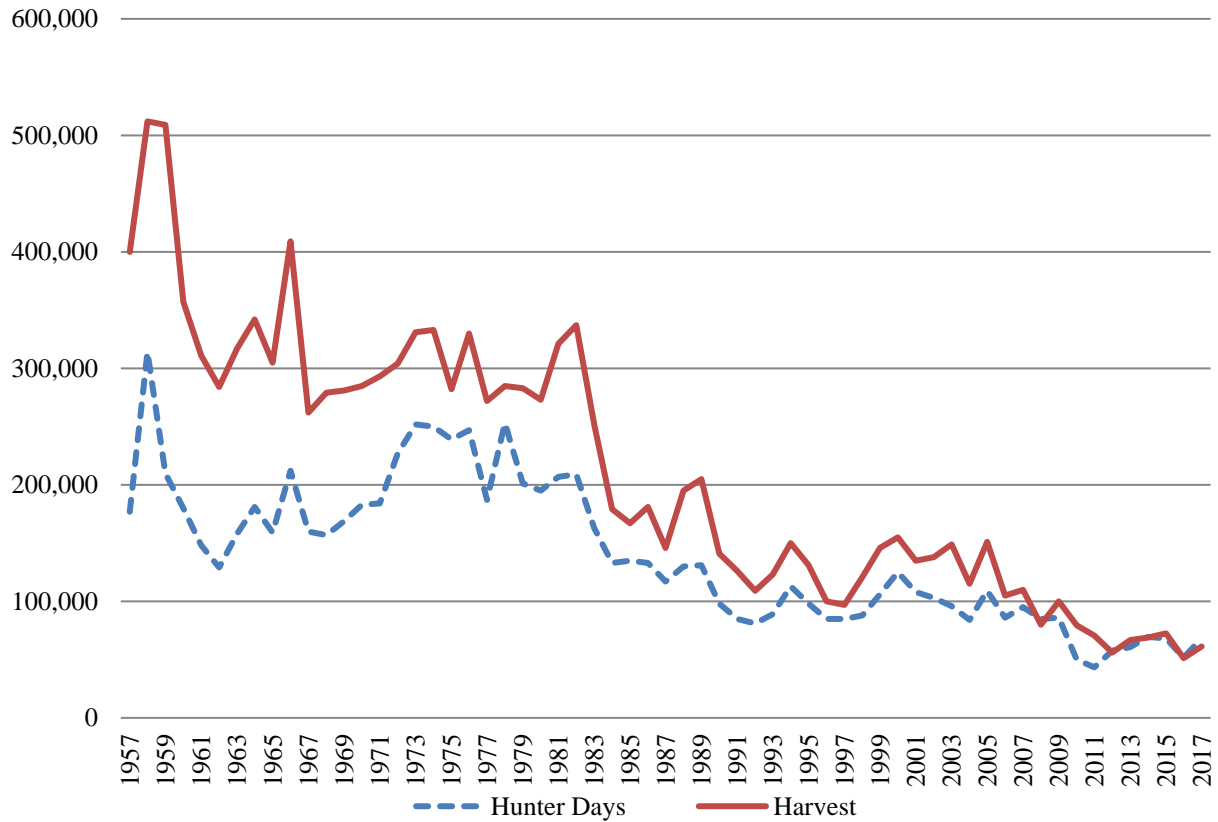


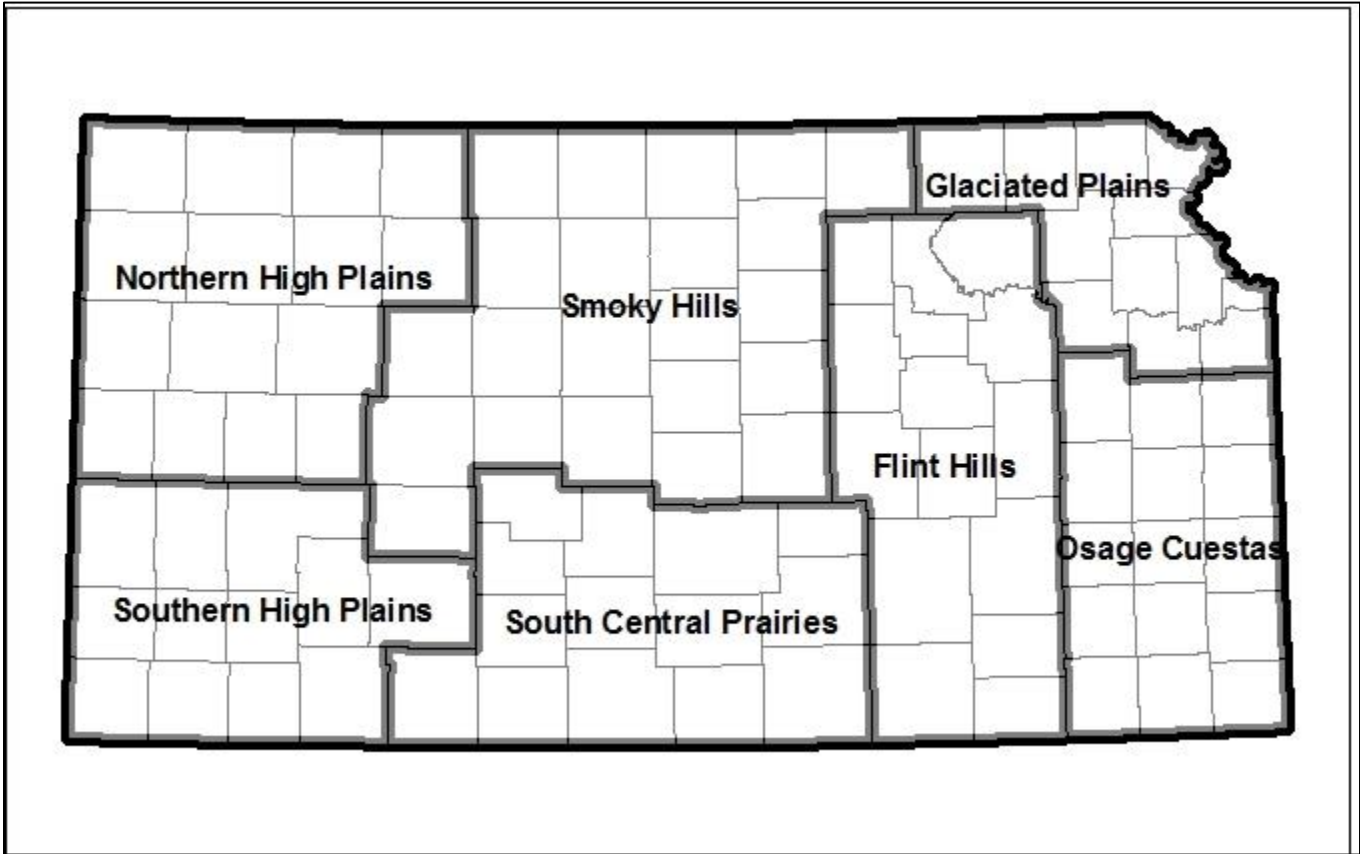
Table 7: Estimated Annual **SQUIRREL** hunting Activity

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
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
2017	9	10,165	68,501	61,340	6.74	6.03	1.35

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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 2017-2018

Table 8: All Hunter Activity for Dove, 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	639	27.4		31,997	133,697	615,757	60,541	4.18	19.24	5.10
Northern High Plains	58	2.5	9.1	2,904	11,817	60,589	18,640	4.07	20.86	5.52
Southern High Plains	38	1.6	5.9	1,903	8,963	40,259	9,266	4.71	21.16	6.07
Smoky Hills	179	7.7	28.0	8,963	38,757	206,955	28,352	4.32	23.09	6.07
South-Central Prairies	119	5.1	18.6	5,959	31,697	153,376	43,709	5.32	25.74	5.03
Flint Hills	104	4.5	16.3	5,208	18,027	72,757	13,824	3.46	13.97	4.24
Glaciated Plains	54	2.3	8.5	2,704	12,018	35,853	11,572	4.44	13.26	4.54
Osage Cuestas	87	3.7	13.6	4,356	12,418	45,968	10,159	2.85	10.55	3.84
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	584	39.3		31,648	135,911	595,992	63,757	4.29	18.83	4.84
Northern High Plains	48	3.2	8.2	2,601	11,218	54,733	19,739	4.31	21.04	5.21
Southern High Plains	32	2.2	5.5	1,734	8,779	33,761	9,249	5.06	19.47	5.16
Smoky Hills	160	10.8	27.4	8,671	38,584	195,142	29,044	4.45	22.51	5.86
South-Central Prairies	110	7.4	18.8	5,961	33,219	156,503	46,947	5.57	26.25	4.78
Flint Hills	103	6.9	17.6	5,582	19,292	77,330	14,906	3.46	13.85	4.22
Glaciated Plains	51	3.4	8.7	2,764	12,356	33,111	10,502	4.47	11.98	4.07
Osage Cuestas	80	5.4	13.7	4,335	12,464	45,412	10,672	2.88	10.48	3.81
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	55	6.5		2,390	7,041	56,457	12,155	2.95	23.62	7.84
Northern High Plains	10	1.2	18.2	435	1,260	8,692	4,462	2.90	20.00	6.98
Southern High Plains	6	0.7	10.9	261	739	7,867	3,371	2.83	30.17	10.92
Smoky Hills	19	2.2	34.5	826	2,695	23,122	8,482	3.26	28.00	7.86
South-Central Prairies	9	1.1	16.4	391	869	7,606	5,774	2.22	19.44	8.15
Flint Hills	1	0.1	1.8	43	174	1,130	NE	4.00	26.00	6.50
Glaciated Plains	3	0.4	5.5	130	522	4,563	11,220	4.00	35.00	12.50
Osage Cuestas	7	0.8	12.7	304	782	3,477	2,869	2.57	11.43	4.13
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

^a% 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

^b 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, 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1,303	55.9		65,246	316,116	525,574	50,032	4.84	8.06	1.63
Northern High Plains	130	5.6	10.0	6,510	27,991	45,467	14,379	4.30	6.98	1.43
Southern High Plains	141	6.1	10.8	7,060	34,250	51,826	19,774	4.85	7.34	1.56
Smoky Hills	530	22.7	40.7	26,539	130,192	216,970	30,640	4.91	8.18	1.66
South-Central Prairies	241	10.3	18.5	12,068	61,340	113,667	26,131	5.08	9.42	1.81
Flint Hills	147	6.3	11.3	7,361	33,249	54,030	13,547	4.52	7.34	1.55
Glaciated Plains	53	2.3	4.1	2,654	14,071	18,678	7,315	5.30	7.04	1.31
Osage Cuestas	61	2.6	4.7	3,055	15,022	24,937	8,656	4.92	8.16	1.66
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	798	53.7		43,244	233,834	349,694	44,907	5.41	8.09	1.46
Northern High Plains	55	3.7	6.9	2,981	14,577	24,874	14,400	4.89	8.35	1.35
Southern High Plains	76	5.1	9.5	4,119	22,435	25,903	9,246	5.45	6.29	1.41
Smoky Hills	318	21.4	39.8	17,233	92,992	136,832	28,369	5.40	7.94	1.41
South-Central Prairies	148	10.0	18.5	8,020	48,718	84,755	25,869	6.07	10.57	1.68
Flint Hills	113	7.6	14.2	6,124	28,721	41,835	12,761	4.69	6.83	1.46
Glaciated Plains	42	2.8	5.3	2,276	12,626	14,686	6,057	5.55	6.45	1.27
Osage Cuestas	46	3.1	5.8	2,493	13,764	20,809	8,920	5.52	8.35	1.41
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	505	59.8		21,948	86,837	175,716	24,356	3.96	8.01	1.89
Northern High Plains	75	8.9	14.9	3,260	12,604	19,514	5,142	3.87	5.99	1.49
Southern High Plains	65	7.7	12.9	2,825	11,735	24,208	15,699	4.15	8.57	1.73
Smoky Hills	212	25.1	42.0	9,214	38,420	78,579	13,905	4.17	8.53	2.03
South-Central Prairies	93	11.0	18.4	4,042	14,169	30,684	9,276	3.51	7.59	2.02
Flint Hills	34	4.0	6.7	1,478	5,824	13,343	6,011	3.94	9.03	1.82
Glaciated Plains	11	1.3	2.2	478	2,086	4,433	4,699	4.36	9.27	1.44
Osage Cuestas	15	1.8	3.0	652	1,999	4,955	2,739	3.07	7.60	2.44
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

^a % 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

^b 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, 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1,598	68.6		80,018	370,696	396,334	27,742	4.63	4.95	1.19
Northern High Plains	306	13.1	19.1	15,323	77,664	86,127	12,190	5.07	5.62	1.22
Southern High Plains	231	9.9	14.5	11,567	59,137	73,909	13,691	5.11	6.39	1.36
Smoky Hills	615	26.4	38.5	30,795	141,308	132,045	14,956	4.59	4.29	1.02
South-Central Prairies	298	12.8	18.6	14,922	63,594	83,673	13,298	4.26	5.61	1.46
Flint Hills	99	4.2	6.2	4,957	21,081	14,071	4,189	4.25	2.84	0.90
Glaciated Plains	34	1.5	2.1	1,703	6,560	3,305	1,755	3.85	1.94	0.72
Osage Cuestas	15	0.6	0.9	751	1,352	3,205	1,726	1.80	4.27	2.71
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	935	63.0		50,669	266,674	257,732	26,185	5.26	5.09	1.05
Northern High Plains	151	10.2	16.1	8,183	48,392	52,782	11,072	5.91	6.45	1.23
Southern High Plains	124	8.4	13.3	6,720	41,835	47,634	13,237	6.23	7.09	1.16
Smoky Hills	373	25.1	39.9	20,213	104,101	87,898	14,061	5.15	4.35	0.90
South-Central Prairies	175	11.8	18.7	9,483	47,580	54,408	12,660	5.02	5.74	1.19
Flint Hills	72	4.8	7.7	3,902	17,666	10,134	3,868	4.53	2.60	0.79
Glaciated Plains	30	2.0	3.2	1,626	6,286	3,035	1,871	3.87	1.87	0.63
Osage Cuestas	10	0.7	1.1	542	813	1,842	1,595	1.50	3.40	2.80
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	663	78.5		28,815	107,872	137,296	11,813	3.74	4.76	1.40
Northern High Plains	155	18.3	23.4	6,737	28,598	32,423	5,732	4.25	4.81	1.22
Southern High Plains	107	12.7	16.1	4,650	17,776	25,947	5,431	3.82	5.58	1.60
Smoky Hills	242	28.6	36.5	10,518	39,159	44,114	6,491	3.72	4.19	1.19
South-Central Prairies	123	14.6	18.6	5,346	17,037	28,989	5,607	3.19	5.42	1.84
Flint Hills	27	3.2	4.1	1,173	4,129	4,085	1,996	3.52	3.48	1.19
Glaciated Plains	4	0.5	0.6	174	652	435	530	3.75	2.50	1.40
Osage Cuestas	5	0.6	0.8	217	522	1,304	1,096	2.40	6.00	2.53
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

^a % 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

^b 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, 2017-2018 Regular Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	79	3.4		3,956	13,868	2,267	1,094	3.51	0.57	0.23
Northern High Plains	11	0.5	13.9	551	1,525	636	650	2.77	1.15	0.45
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	43	1.8	54.4	2,153	8,338	779	581	3.87	0.36	0.16
South-Central Prairies	1	0.0	1.3	50	150	0	NE	3.00	0.00	0.00
Flint Hills	19	0.8	24.1	951	3,081	815	728	3.24	0.86	0.29
Glaciated Plains	2	0.1	2.5	100	401	0	NE	4.00	0.00	0.00
Osage Cuestas	3	0.1	3.8	150	413	38	120	2.75	0.25	0.25
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	35	2.4		1,897	5,548	1,091	788	2.93	0.58	0.24
Northern High Plains	3	0.2	8.6	163	271	163	404	1.67	1.00	0.56
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	17	1.1	48.6	921	2,812	533	560	3.05	0.58	0.25
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	13	0.9	37.1	704	2,113	376	606	3.00	0.53	0.16
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.1	5.7	108	325	36	155	3.00	0.33	0.33
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	44	5.2		1,912	7,610	1,093	735	3.98	0.57	0.22
Northern High Plains	8	0.9	18.2	348	1,078	417	547	3.10	1.20	0.42
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	26	3.1	59.1	1,130	5,004	242	249	4.43	0.21	0.10
South-Central Prairies	1	0.1	2.3	43	130	0	NE	3.00	0.00	0.00
Flint Hills	6	0.7	13.6	261	1,000	435	510	3.83	1.67	0.64
Glaciated Plains	2	0.2	4.5	87	348	0	NE	4.00	0.00	0.00
Osage Cuestas	1	0.1	2.3	43	87	0	NE	2.00	0.00	0.00
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

^a% 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

^b 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, 2017-2018 Early Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	22	0.9		1,102	2,754	1,152	959	2.50	1.05	0.32
Northern High Plains	3	0.1	13.6	150	551	351	1,508	3.67	2.33	0.39
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	9	0.4	40.9	451	1,302	401	586	2.89	0.89	0.28
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	7	0.3	31.8	351	701	351	561	2.00	1.00	0.33
Glaciated Plains	1	0.0	4.5	50	50	0	NE	1.00	0.00	0.00
Osage Cuestas	2	0.1	9.1	100	150	50	636	1.50	0.50	0.50
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	12	0.8		650	1,355	379	596	2.08	0.58	0.21
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	5	0.3	41.7	271	759	325	729	2.80	1.20	0.30
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	5	0.3	41.7	271	434	0	NE	1.60	0.00	0.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.1	16.7	108	163	54	689	1.50	0.50	0.50
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	10	1.2		435	1,304	695	750	3.00	1.60	0.45
Northern High Plains	3	0.4	30.0	130	478	304	1,309	3.67	2.33	0.39
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	4	0.5	40.0	174	522	87	277	3.00	0.50	0.25
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	2	0.2	20.0	87	261	304	552	3.00	3.50	1.17
Glaciated Plains	1	0.1	10.0	43	43	0	NE	1.00	0.00	0.00
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

*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

^a% 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

^b 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

^cDuring 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, 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	246	10.6		12,318	77,064	60,639	13,607	6.26	4.92	1.14
Northern High Plains	17	0.7	6.9	851	5,658	4,006	1,836	6.65	4.71	1.31
Southern High Plains	22	0.9	8.9	1,102	12,869	13,870	11,004	11.68	12.59	1.24
Smoky Hills	60	2.6	24.4	3,004	12,719	13,570	5,307	4.23	4.52	1.29
South-Central Prairies	24	1.0	9.8	1,202	5,708	4,907	2,105	4.75	4.08	1.27
Flint Hills	35	1.5	14.2	1,753	18,477	6,960	3,938	10.54	3.97	0.74
Glaciated Plains	29	1.2	11.8	1,452	8,312	4,356	1,393	5.72	3.00	0.89
Osage Cuestas	59	2.5	24.0	2,954	13,320	12,969	4,229	4.51	4.39	1.21
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	212	14.3		11,488	77,114	58,038	14,132	6.71	5.05	1.11
Northern High Plains	15	1.0	7.1	813	5,582	4,227	1,904	6.87	5.20	1.46
Southern High Plains	19	1.3	9.0	1,030	13,439	14,632	11,860	13.05	14.21	1.32
Smoky Hills	41	2.8	19.3	2,222	9,971	10,350	4,426	4.49	4.66	1.39
South-Central Prairies	22	1.5	10.4	1,192	6,015	5,040	2,266	5.05	4.23	1.25
Flint Hills	34	2.3	16.0	1,842	19,942	7,424	4,263	10.82	4.03	0.70
Glaciated Plains	28	1.9	13.2	1,517	8,887	4,498	1,506	5.86	2.96	0.85
Osage Cuestas	53	3.6	25.0	2,872	13,277	11,868	4,198	4.62	4.13	1.08
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	34	4.0		1,478	5,042	6,085	3,489	3.41	4.12	1.30
Northern High Plains	2	0.2	5.9	87	435	87		5.00	1.00	0.20
Southern High Plains	3	0.4	8.8	130	391	304	815	3.00	2.33	0.75
Smoky Hills	19	2.2	55.9	826	3,042	3,477	3,199	3.68	4.21	1.09
South-Central Prairies	2	0.2	5.9	87	130	217	1,657	1.50	2.50	1.50
Flint Hills	1	0.1	2.9	43	43	87	NE	1.00	2.00	2.00
Glaciated Plains	1	0.1	2.9	43	87	174	NE	2.00	4.00	2.00
Osage Cuestas	6	0.7	17.6	261	913	1,738	1,948	3.50	6.67	2.31
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

^a % 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

^b 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, 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	22	0.9		1,102	12,569	8,563	7,556	11.41	7.77	0.75
Northern High Plains	6	0.3	27.3	300	3,505	901	1,110	11.67	3.00	0.83
Southern High Plains	12	0.5	54.5	601	8,212	7,361	7,646	13.67	12.25	0.79
Smoky Hills	1	0.0	4.5	50	150	250	NE	3.00	5.00	1.67
South-Central Prairies	1	0.0	4.5	50	50	0	NE	1.00	0.00	0.00
Flint Hills	1	0.0	4.5	50	501	0	NE	10.00	0.00	0.00
Glaciated Plains	1	0.0	4.5	50	150	50	NE	3.00	1.00	0.33
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	21	1.4		1,138	13,385	9,158	8,183	11.76	8.05	0.76
Northern High Plains	6	0.4	28.6	325	3,793	975	1,202	11.67	3.00	0.83
Southern High Plains	11	0.7	52.4	596	8,671	7,858	8,302	14.55	13.18	0.81
Smoky Hills	1	0.1	4.8	54	163	271	NE	3.00	5.00	1.67
South-Central Prairies	1	0.1	4.8	54	54	0	NE	1.00	0.00	0.00
Flint Hills	1	0.1	4.8	54	542	0	NE	10.00	0.00	0.00
Glaciated Plains	1	0.1	4.8	54	163	54	NE	3.00	1.00	0.33
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	1	0.1		43	174	87	NE	4.00	2.00	0.50
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	1	0.1	100.0	43	174	87	NE	4.00	2.00	0.50
Smoky Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
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

^a % 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

^b 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, 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	203	8.7		10,165	68,501	61,340	11,093	6.74	6.03	1.35
Northern High Plains	5	0.2	2.5	250	551	951	968	2.20	3.80	1.91
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	19	0.8	9.4	951	4,557	3,155	1,647	4.79	3.32	1.38
South-Central Prairies	12	0.5	5.9	601	3,205	2,854	1,604	5.33	4.75	1.36
Flint Hills	55	2.4	27.1	2,754	22,633	13,219	4,613	8.22	4.80	1.22
Glaciated Plains	40	1.7	19.7	2,003	14,371	14,672	4,316	7.18	7.33	1.51
Osage Cuestas	72	3.1	35.5	3,605	23,184	26,489	8,876	6.43	7.35	1.32
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	192	12.9		10,405	72,291	62,807	11,838	6.95	6.04	1.32
Northern High Plains	4	0.3	2.1	217	542	759	1,211	2.50	3.50	1.13
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	18	1.2	9.4	975	4,823	3,414	1,747	4.94	3.50	1.45
South-Central Prairies	11	0.7	5.7	596	3,197	2,655	1,712	5.36	4.45	1.34
Flint Hills	54	3.6	28.1	2,926	24,440	14,252	4,977	8.35	4.87	1.23
Glaciated Plains	40	2.7	20.8	2,168	15,553	15,878	4,671	7.18	7.33	1.51
Osage Cuestas	65	4.4	33.9	3,522	23,736	25,849	9,456	6.74	7.34	1.24
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	11	1.3		478	1,478	2,868	1,927	3.09	6.00	1.97
Northern High Plains	1	0.1	9.1	43	43	217	NE	1.00	5.00	5.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	1	0.1	9.1	43	87	0	NE	2.00	0.00	0.00
South-Central Prairies	1	0.1	9.1	43	217	348	NE	5.00	8.00	1.60
Flint Hills	1	0.1	9.1	43	43	43	NE	1.00	1.00	1.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	7	0.8	63.6	304	1,087	2,260	1,921	3.57	7.43	2.01
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

^a % 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

^b 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
2017	1,846	6.37	1.49	21.04

Table 17. Number and percent of non-resident respondents by state or country of residence 2017-2018.

State/Country	Number	Percent	State/Country	Number	Percent
Colorado	219	12.28	Utah	20	1.12
Texas	216	12.11	Iowa	19	1.07
Missouri	179	10.03	Kentucky	19	1.07
Oklahoma	138	7.74	Virginia	17	0.95
Arkansas	100	5.61	Wyoming	16	0.90
Louisiana	73	4.09	Arizona	14	0.78
Minnesota	55	3.08	South Dakota	12	0.67
Wisconsin	52	2.91	Oregon	11	0.62
Michigan	47	2.63	West Virginia	11	0.62
North Carolina	45	2.52	Washington	10	0.56
Mississippi	43	2.41	New Jersey	8	0.45
Indiana	40	2.24	Idaho	7	0.39
Pennsylvania	40	2.24	Montana	7	0.39
Georgia	39	2.19	Maryland	6	0.34
Florida	38	2.13	North Dakota	6	0.34
Alabama	35	1.96	Vermont	6	0.34
Nebraska	34	1.91	Alaska	5	0.28
Illinois	32	1.79	Nevada	5	0.28
Tennessee	28	1.57	Connecticut	4	0.22
South Carolina	27	1.51	New Hampshire	4	0.22
California	24	1.35	Massachusetts	2	0.11
New York	23	1.29	Delaware	1	0.06
Ohio	23	1.29	Maine	1	0.06
New Mexico	20	1.12	Rhode Island	1	0.06

Table 18. Regional breakdown of hunting activity as indicated by sample sizes for the 2017-2018 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	^a Greater Prairie Chicken (Regular)	Cottontail	Jackrabbit	Squirrel
All Hunters (Resident and Non-Resident)							
State	639 (27)	1,291 (55)	1,598 (69)	79 (3)	246 (11)	22 (1)	203 (9)
Northern High Plains	58 (2)	130 (6)	306 (13)	11 (0)	17 (1)	6 (0)	5 (0)
Southern High Plains	38 (2)	138 (6)	231 (10)	0 (0)	22 (1)	12 (1)	0 (0)
Smoky Hills	179 (8)	524 (22)	615 (26)	43 (2)	60 (3)	1 (0)	19 (1)
South-Central Prairies	119 (5)	238 (10)	298 (13)	1 (0)	24 (1)	1 (0)	12 (1)
Flint Hills	104 (4)	147 (6)	99 (4)	19 (1)	35 (2)	1 (0)	55 (2)
Glaciated Plains	54 (2)	53 (2)	34 (1)	2 (0)	29 (1)	1 (0)	40 (2)
Osage Cuestas	87 (4)	61 (3)	15 (1)	3 (0)	59 (3)	0 (0)	72 (3)
Resident							
State	584 (39)	791 (53)	935 (63)	35 (2)	212 (14)	21 (1)	192 (13)
Northern High Plains	48 (3)	55 (4)	151 (10)	3 (0)	15 (1)	6 (0)	4 (0)
Southern High Plains	32 (2)	75 (5)	124 (8)	0 (0)	19 (1)	11 (1)	0 (0)
Smoky Hills	160 (11)	313 (21)	373 (25)	17 (1)	41 (3)	1 (0)	18 (1)
South-Central Prairies	110 (7)	147 (10)	175 (12)	0 (0)	22 (1)	1 (0)	11 (1)
Flint Hills	103 (7)	113 (8)	72 (5)	13 (1)	34 (2)	1 (0)	54 (4)
Glaciated Plains	51 (3)	42 (3)	30 (2)	0 (0)	28 (2)	1 (0)	40 (3)
Osage Cuestas	80 (5)	46 (3)	10 (1)	2 (0)	53 (4)	0 (0)	65 (4)
Non-Resident							
State	55 (7)	500 (59)	663 (78)	44 (5)	34 (4)	1 (0)	11 (1)
Northern High Plains	10 (1)	75 (9)	155 (18)	8 (1)	2 (0)	0 (0)	1 (0)
Southern High Plains	6 (1)	63 (7)	107 (13)	0 (0)	3 (0)	1 (0)	0 (0)
Smoky Hills	19 (2)	211 (25)	242 (29)	26 (3)	19 (2)	0 (0)	1 (0)
South-Central Prairies	9 (1)	91 (11)	123 (15)	1 (0)	2 (0)	0 (0)	1 (0)
Flint Hills	1 (0)	34 (4)	27 (3)	6 (1)	1 (0)	0 (0)	1 (0)
Glaciated Plains	3 (0)	11 (1)	4 (0)	2 (0)	1 (0)	0 (0)	0 (0)
Osage Cuestas	7 (1)	15 (2)	5 (1)	1 (0)	6 (1)	0 (0)	7 (1)

*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

^a 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, 2017-2018 season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	67	2.9		3,355	16,424	144,162	62,994	4.90	42.97	14.15
Northern High Plains	26	1.1	38.8	1,302	9,113	85,726	59,322	7.00	65.85	17.77
Southern High Plains	24	1.0	35.8	1,202	4,857	31,096	14,644	4.04	25.88	11.66
Smoky Hills	8	0.3	11.9	401	1,502	11,817	10,693	3.75	29.50	13.27
South-Central Prairies	8	0.3	11.9	401	901	15,423	19,088	2.25	38.50	12.25
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	1.5	50	50	100	NE	1.00	2.00	2.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	50	3.4		2,710	15,336	127,349	66,036	5.66	47.00	15.13
Northern High Plains	21	1.4	42.0	1,138	8,942	88,602	63,531	7.86	77.86	20.47
Southern High Plains	18	1.2	36.0	975	4,552	25,795	14,889	4.67	26.44	12.09
Smoky Hills	7	0.5	14.0	379	1,572	12,247	11,725	4.14	32.29	13.74
South-Central Prairies	4	0.3	8.0	217	271	704	1,104	1.25	3.25	3.25
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	17	2.0		739	1,956	22,991	15,760	2.65	31.12	11.26
Northern High Plains	5	0.6	29.4	217	739	3,347	5,341	3.40	15.40	6.43
Southern High Plains	6	0.7	35.3	261	565	6,302	6,828	2.17	24.17	10.39
Smoky Hills	1	0.1	5.9	43	43	435	NE	1.00	10.00	10.00
South-Central Prairies	4	0.5	23.5	174	565	12,821	18,047	3.25	73.75	21.25
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	5.9	43	43	87	NE	1.00	2.00	2.00
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

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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, 2017-2018 season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	487	20.9		24,386	169,500	86,928	16,843	6.95	3.56	0.50
Northern High Plains	57	2.4	11.7	2,854	21,432	10,165	6,981	7.51	3.56	0.39
Southern High Plains	37	1.6	7.6	1,853	11,617	6,760	3,828	6.27	3.65	0.61
Smoky Hills	115	4.9	23.6	5,758	37,756	24,636	10,699	6.56	4.28	0.57
South-Central Prairies	55	2.4	11.3	2,754	15,323	9,013	6,051	5.56	3.27	0.51
Flint Hills	94	4.0	19.3	4,707	31,146	10,566	2,937	6.62	2.24	0.46
Glaciated Plains	66	2.8	13.6	3,305	28,792	12,418	5,569	8.71	3.76	0.40
Osage Cuestas	63	2.7	12.9	3,155	23,435	13,370	6,244	7.43	4.24	0.51
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	422	28.4		22,869	168,805	86,868	17,327	7.38	3.80	0.50
Northern High Plains	41	2.8	9.7	2,222	18,100	7,749	5,398	8.15	3.49	0.38
Southern High Plains	28	1.9	6.6	1,517	11,380	6,665	4,084	7.50	4.39	0.62
Smoky Hills	98	6.6	23.2	5,311	36,200	25,524	11,475	6.82	4.81	0.62
South-Central Prairies	47	3.2	11.1	2,547	15,553	9,158	6,547	6.11	3.60	0.51
Flint Hills	89	6.0	21.1	4,823	33,111	11,272	3,150	6.87	2.34	0.47
Glaciated Plains	60	4.0	14.2	3,251	29,480	12,301	5,962	9.07	3.78	0.37
Osage Cuestas	59	4.0	14.0	3,197	24,982	14,198	6,732	7.81	4.44	0.48
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	65	7.7		2,825	11,735	5,780	4,525	4.15	2.05	0.47
Northern High Plains	16	1.9	24.6	695	4,085	2,608	4,674	5.88	3.75	0.42
Southern High Plains	9	1.1	13.8	391	956	522	451	2.44	1.33	0.55
Smoky Hills	17	2.0	26.2	739	3,738	913	855	5.06	1.24	0.34
South-Central Prairies	8	0.9	12.3	348	826	478	308	2.38	1.38	0.54
Flint Hills	5	0.6	7.7	217	478	130	241	2.20	0.60	0.20
Glaciated Plains	6	0.7	9.2	261	1,347	913	1,105	5.17	3.50	0.73
Osage Cuestas	4	0.5	6.2	174	304	217	348	1.75	1.25	0.88
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

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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, 2017-2018 season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	412	17.7		20,630	132,595	58,887	11,899	6.43	2.85	0.46
Northern High Plains	48	2.1	11.7	2,404	17,476	9,013	6,877	7.27	3.75	0.41
Southern High Plains	33	1.4	8.0	1,652	9,214	3,906	1,485	5.58	2.36	0.56
Smoky Hills	95	4.1	23.1	4,757	25,938	10,966	3,793	5.45	2.31	0.47
South-Central Prairies	50	2.1	12.1	2,504	13,921	7,461	5,629	5.56	2.98	0.47
Flint Hills	82	3.5	19.9	4,106	27,791	9,364	2,857	6.77	2.28	0.48
Glaciated Plains	55	2.4	13.3	2,754	22,333	10,415	5,439	8.11	3.78	0.41
Osage Cuestas	49	2.1	11.9	2,454	15,923	7,761	3,877	6.49	3.16	0.46
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	349	23.5		18,913	129,083	56,684	11,624	6.83	3.00	0.46
Northern High Plains	32	2.2	9.2	1,734	13,819	6,503	5,238	7.97	3.75	0.40
Southern High Plains	24	1.6	6.9	1,301	8,779	3,577	1,513	6.75	2.75	0.56
Smoky Hills	78	5.3	22.3	4,227	23,410	10,730	3,969	5.54	2.54	0.49
South-Central Prairies	42	2.8	12.0	2,276	14,035	7,478	6,102	6.17	3.29	0.46
Flint Hills	78	5.3	22.3	4,227	29,588	9,971	3,072	7.00	2.36	0.49
Glaciated Plains	49	3.3	14.0	2,655	22,489	10,134	5,825	8.47	3.82	0.37
Osage Cuestas	46	3.1	13.2	2,493	16,962	8,291	4,176	6.80	3.33	0.45
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	63	7.5		2,738	11,561	5,650	4,525	4.22	2.06	0.46
Northern High Plains	16	1.9	25.4	695	4,085	2,608	4,674	5.88	3.75	0.42
Southern High Plains	9	1.1	14.3	391	956	522	451	2.44	1.33	0.55
Smoky Hills	17	2.0	27.0	739	3,738	913	855	5.06	1.24	0.34
South-Central Prairies	8	0.9	12.7	348	826	478	308	2.38	1.38	0.54
Flint Hills	4	0.5	6.3	174	391	130	265	2.25	0.75	0.25
Glaciated Plains	6	0.7	9.5	261	1,347	913	1,105	5.17	3.50	0.73
Osage Cuestas	3	0.4	4.8	130	217	87	187	1.67	0.67	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

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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, 2017-2018 season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	75	3.2		3,756	36,904	28,041	11,592	9.83	7.47	0.68
Northern High Plains	9	0.4	12.0	451	3,956	1,152	1,662	8.78	2.56	0.32
Southern High Plains	4	0.2	5.3	200	2,404	2,854	4,773	12.00	14.25	1.03
Smoky Hills	20	0.9	26.7	1,001	11,817	13,670	9,597	11.80	13.65	1.09
South-Central Prairies	5	0.2	6.7	250	1,402	1,552	3,308	5.60	6.20	0.93
Flint Hills	12	0.5	16.0	601	3,355	1,202	814	5.58	2.00	0.34
Glaciated Plains	11	0.5	14.7	551	6,460	2,003	1,537	11.73	3.64	0.39
Osage Cuestas	14	0.6	18.7	701	7,511	5,608	5,171	10.71	8.00	0.68
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	73	4.9		3,956	39,722	30,184	12,517	10.04	7.63	0.68
Northern High Plains	9	0.6	12.3	488	4,281	1,246	1,799	8.78	2.56	0.32
Southern High Plains	4	0.3	5.5	217	2,601	3,089	5,165	12.00	14.25	1.03
Smoky Hills	20	1.3	27.4	1,084	12,789	14,794	10,387	11.80	13.65	1.09
South-Central Prairies	5	0.3	6.8	271	1,517	1,680	3,580	5.60	6.20	0.93
Flint Hills	11	0.7	15.1	596	3,522	1,301	856	5.91	2.18	0.37
Glaciated Plains	11	0.7	15.1	596	6,991	2,168	1,663	11.73	3.64	0.39
Osage Cuestas	13	0.9	17.8	704	8,020	5,907	5,625	11.38	8.38	0.62
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	2	0.2		87	174	130	1,657	2.00	1.50	0.75
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	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	1	0.1	50.0	43	87	0	NE	2.00	0.00	0.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.1	50.0	43	87	130	NE	2.00	3.00	1.50
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

*Furharvester licenses are generally purchased by residents only

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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, 2017 special early season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	105	4.5		5,258	16,925	47,170	10,566	3.22	8.97	2.56
Northern High Plains	4	0.2	3.8	200	751	2,454	2,925	3.75	12.25	3.05
Southern High Plains	2	0.1	1.9	100	351	951	6,999	3.50	9.50	3.00
Smoky Hills	54	2.3	51.4	2,704	9,764	28,542	9,134	3.61	10.56	2.76
South-Central Prairies	18	0.8	17.1	901	3,055	7,060	2,974	3.39	7.83	2.28
Flint Hills	8	0.3	7.6	401	901	3,004	3,301	2.25	7.50	2.50
Glaciated Plains	5	0.2	4.8	250	651	1,652	2,812	2.60	6.60	2.10
Osage Cuestas	14	0.6	13.3	701	1,452	3,505	2,657	2.07	5.00	2.17
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	95	6.4		5,148	17,016	47,634	11,181	3.31	9.25	2.57
Northern High Plains	4	0.3	4.2	217	813	2,655	3,166	3.75	12.25	3.05
Southern High Plains	2	0.1	2.1	108	379	1,030	7,574	3.50	9.50	3.00
Smoky Hills	51	3.4	53.7	2,764	10,134	30,455	9,780	3.67	11.02	2.86
South-Central Prairies	15	1.0	15.8	813	2,981	7,153	3,059	3.67	8.80	2.40
Flint Hills	8	0.5	8.4	434	975	3,251	3,572	2.25	7.50	2.50
Glaciated Plains	4	0.3	4.2	217	596	1,138	3,396	2.75	5.25	1.13
Osage Cuestas	11	0.7	11.6	596	1,138	1,951	1,593	1.91	3.27	1.73
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	10	1.2		435	1,043	2,738	2,204	2.40	6.30	2.53
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	0.4	30.0	130	348	348	495	2.67	2.67	1.00
South-Central Prairies	3	0.4	30.0	130	261	391	972	2.00	3.00	1.67
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	1	0.1	10.0	43	87	522	NE	2.00	12.00	6.00
Osage Cuestas	3	0.4	30.0	130	348	1,478	3,612	2.67	11.33	3.78
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

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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, 2017-2018 season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	467	20.0		23,384	175,358	369,344	61,878	7.50	15.79	1.99
Northern High Plains	13	0.6	2.8	651	6,560	7,511	7,120	10.08	11.54	1.40
Southern High Plains	4	0.2	0.9	200	2,053	2,954	7,124	10.25	14.75	1.64
Smoky Hills	113	4.8	24.2	5,658	39,608	88,631	25,872	7.00	15.66	2.28
South-Central Prairies	81	3.5	17.3	4,056	35,352	87,028	44,715	8.72	21.46	2.20
Flint Hills	99	4.2	21.2	4,957	37,155	71,055	19,450	7.49	14.33	2.04
Glaciated Plains	29	1.2	6.2	1,452	9,364	14,021	9,612	6.45	9.66	1.34
Osage Cuestas	128	5.5	27.4	6,409	45,267	98,145	26,755	7.06	15.31	1.78
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	335	22.6		18,154	157,641	319,781	65,213	8.68	17.61	1.77
Northern High Plains	10	0.7	3.0	542	6,774	7,587	7,805	12.50	14.00	1.39
Southern High Plains	4	0.3	1.2	217	2,222	3,197	7,709	10.25	14.75	1.64
Smoky Hills	71	4.8	21.2	3,848	31,539	69,310	26,838	8.20	18.01	2.04
South-Central Prairies	57	3.8	17.0	3,089	33,761	84,213	47,918	10.93	27.26	2.14
Flint Hills	74	5.0	22.1	4,010	35,712	61,615	20,014	8.91	15.36	1.68
Glaciated Plains	27	1.8	8.1	1,463	9,754	14,903	10,376	6.67	10.19	1.38
Osage Cuestas	92	6.2	27.5	4,986	37,879	78,956	27,784	7.60	15.84	1.58
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	132	15.6		5,737	25,773	64,106	11,431	4.49	11.17	2.53
Northern High Plains	3	0.4	2.3	130	261	435	1,041	2.00	3.33	1.44
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	42	5.0	31.8	1,825	9,084	21,340	6,619	4.98	11.69	2.68
South-Central Prairies	24	2.8	18.2	1,043	3,607	7,997	2,833	3.46	7.67	2.35
Flint Hills	25	3.0	18.9	1,087	3,607	12,256	5,595	3.32	11.28	3.09
Glaciated Plains	2	0.2	1.5	87	304	217	2,761	3.50	2.50	0.83
Osage Cuestas	36	4.3	27.3	1,565	8,910	21,861	7,130	5.69	13.97	2.28
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

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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, 2017-2018 season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	352	15.1		17,626	115,420	267,494	80,371	6.55	15.18	1.86
Northern High Plains	13	0.6	3.7	651	5,108	14,121	18,003	7.85	21.69	1.80
Southern High Plains	4	0.2	1.1	200	1,602	3,705	8,895	8.00	18.50	2.04
Smoky Hills	81	3.5	23.0	4,056	22,934	47,019	23,224	5.65	11.59	2.12
South-Central Prairies	76	3.3	21.6	3,806	32,648	87,279	47,373	8.58	22.93	2.43
Flint Hills	84	3.6	23.9	4,206	26,539	75,311	55,572	6.31	17.90	1.78
Glaciated Plains	29	1.2	8.2	1,452	12,218	18,678	13,960	8.41	12.86	1.44
Osage Cuestas	65	2.8	18.5	3,255	14,371	21,382	15,324	4.42	6.57	1.19
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	262	17.6		14,198	104,751	234,755	84,159	7.38	16.53	1.63
Northern High Plains	10	0.7	3.8	542	5,040	15,065	19,812	9.30	27.80	2.20
Southern High Plains	4	0.3	1.5	217	1,734	4,010	9,627	8.00	18.50	2.04
Smoky Hills	50	3.4	19.1	2,710	17,341	27,854	20,530	6.40	10.28	1.60
South-Central Prairies	57	3.8	21.8	3,089	31,756	80,419	50,609	10.28	26.04	1.95
Flint Hills	66	4.4	25.2	3,577	26,120	74,133	60,169	7.30	20.73	1.63
Glaciated Plains	23	1.5	8.8	1,246	10,405	12,193	6,796	8.35	9.78	1.33
Osage Cuestas	52	3.5	19.8	2,818	12,356	21,080	16,557	4.38	7.48	1.32
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	90	10.7		3,912	16,168	43,897	17,918	4.13	11.22	2.54
Northern High Plains	3	0.4	3.3	130	391	174	748	3.00	1.33	0.44
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	31	3.7	34.4	1,347	5,998	18,471	12,303	4.45	13.71	2.96
South-Central Prairies	19	2.2	21.1	826	2,868	11,257	7,769	3.47	13.63	3.86
Flint Hills	18	2.1	20.0	782	2,086	5,911	2,646	2.67	7.56	2.34
Glaciated Plains	6	0.7	6.7	261	2,260	6,432	14,131	8.67	24.67	1.90
Osage Cuestas	13	1.5	14.4	565	2,564	1,652	1,304	4.54	2.92	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

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	6	0.3		300	651	701	1,086	2.17	2.33	0.88
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	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	1	0.0	16.7	50	50	50	NE	1.00	1.00	1.00
Glaciated Plains	3	0.1	50.0	150	200	200	570	1.33	1.33	0.83
Osage Cuestas	2	0.1	33.3	100	401	451	5,726	4.00	4.50	0.90
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	6	0.3		300	951	951	879	3.17	3.17	1.69
Northern High Plains	1	0.0	16.7	50	150	50	NE	3.00	1.00	0.33
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	2	0.1	33.3	100	200	551	3,181	2.00	5.50	2.75
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	2	0.1	33.3	100	551	351	636	5.50	3.50	2.15
Glaciated Plains	1	0.0	16.7	50	50	0	NE	1.00	0.00	0.00
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

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

^b % Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1	0.0		50	100	50	NE	2.00	1.00	0.50
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	1	0.0	100.0	50	100	50	NE	2.00	1.00	0.50
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

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

^b% Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1	0.0		50	50	0	NE	1.00	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	1	0.0	100.0	50	50	0	NE	1.00	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

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

^b% Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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 Coots, for 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	4	0.2		200	250	2,353	5,194	1.25	11.75	7.25
Northern High Plains	1	0.0	25.0	50	50	50	NE	1.00	1.00	1.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	1	0.0	25.0	50	100	1,803	NE	2.00	36.00	18.00
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	2	0.1	50.0	100	100	501	1,272	1.00	5.00	5.00
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

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

^b% Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

^c 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 2017-2018 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	37	1.6		1,853	5,558	10,716	8,134	3.00	5.78	1.56
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	1	0.0	2.7	50	100	100	NE	2.00	2.00	1.00
Smoky Hills	5	0.2	13.5	250	451	651	565	1.80	2.60	1.80
South-Central Prairies	1	0.0	2.7	50	501	751	NE	10.00	15.00	1.50
Flint Hills	12	0.5	32.4	601	1,703	3,555	4,075	2.83	5.92	1.74
Glaciated Plains	7	0.3	18.9	351	501	1,052	898	1.43	3.00	1.90
Osage Cuestas	11	0.5	29.7	551	2,303	4,607	7,982	4.18	8.36	1.11
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

^b% Active in region represents % of hunters pursuing this species that primarily hunted in each respective region

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