

SMALL GAME HUNTER ACTIVITY SURVEY – 2018

STATEWIDE WILDLIFE RESEARCH AND SURVEYS

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SMALL GAME HUNTER ACTIVITY SURVEY - 2018

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

Procedure: A random sample of 15,926 Kansas residents and 7,816 non-residents with valid hunting, combination, and lifetime licenses for the 2018-2019 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 2019 of their selection for the survey and asked to complete an on-line questionnaire of their hunting activity for the 2018-2019 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 2018-2019 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 22,806 deliverable notifications, 5,695 usable responses were obtained for an overall response rate of 25%. These included 3,480 responses from resident hunters and 2,215 responses from non-resident hunters. Of these, 2,879 (51%) 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 2018-2019 seasons.

A summary of historic small game hunting season regulations follows.

Table 1. Historic small game regulations, Kansas, 1957-2018.

Years	Season Dates	Daily Bag	Possession	Open Area
<u>DOVE</u>				
2016-2018	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 - 2018	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 - 2018	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>				
2015-2018	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 - 2018	Year Round	10	30	statewide
1971 - 1992	Year Round	10	20	Statewide; 1975 to 1993 No Limit on Jackrabbits
1957 - 1970	Dec.15-Oct.15 plus bird Season	10	20	Statewide
<u>SQUIRREL</u>				
1997 - 2018	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 - 2018.

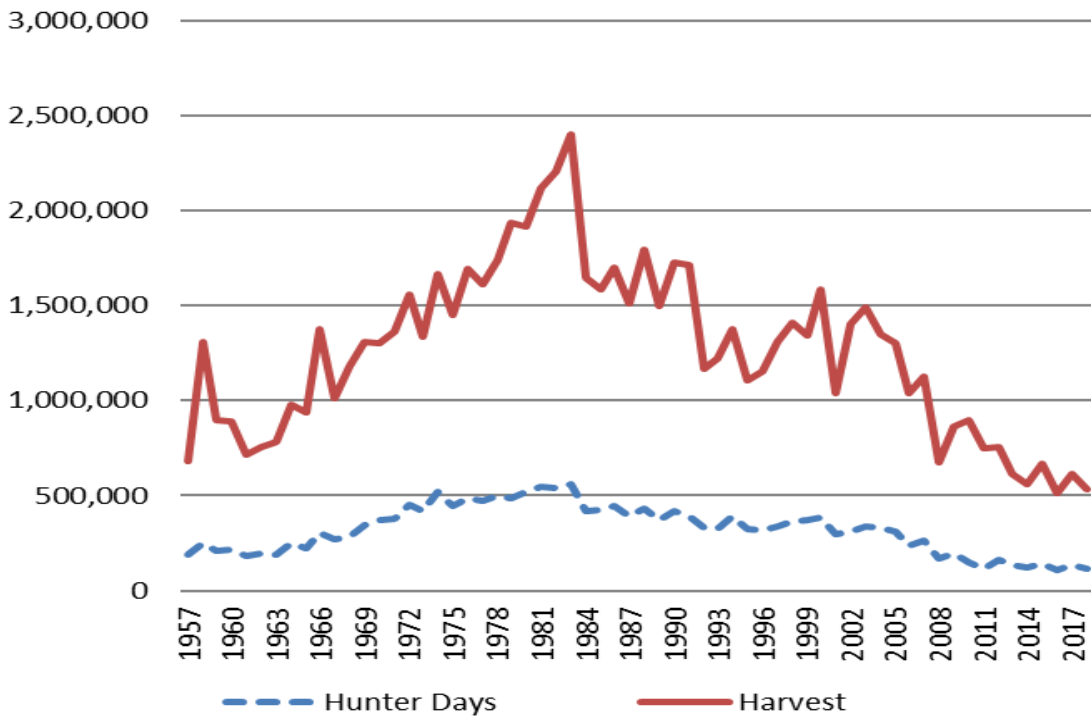


Table 2: Estimated Annual **DOVE** hunting Activity

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
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
2018	26	31,101	113,732	529,846	3.66	17.04	5.13

*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 - 2018.

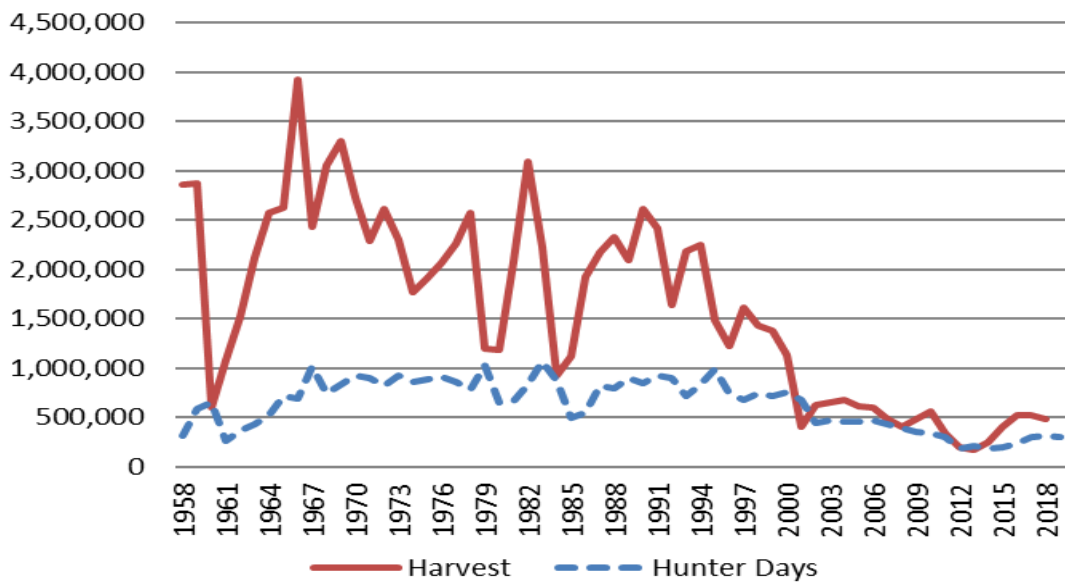


Table 3: Estimated Annual **QUAIL** hunting Activity

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
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
2018	55	66,038	301,131	488,489	4.56	7.40	1.50

*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 - 2018.

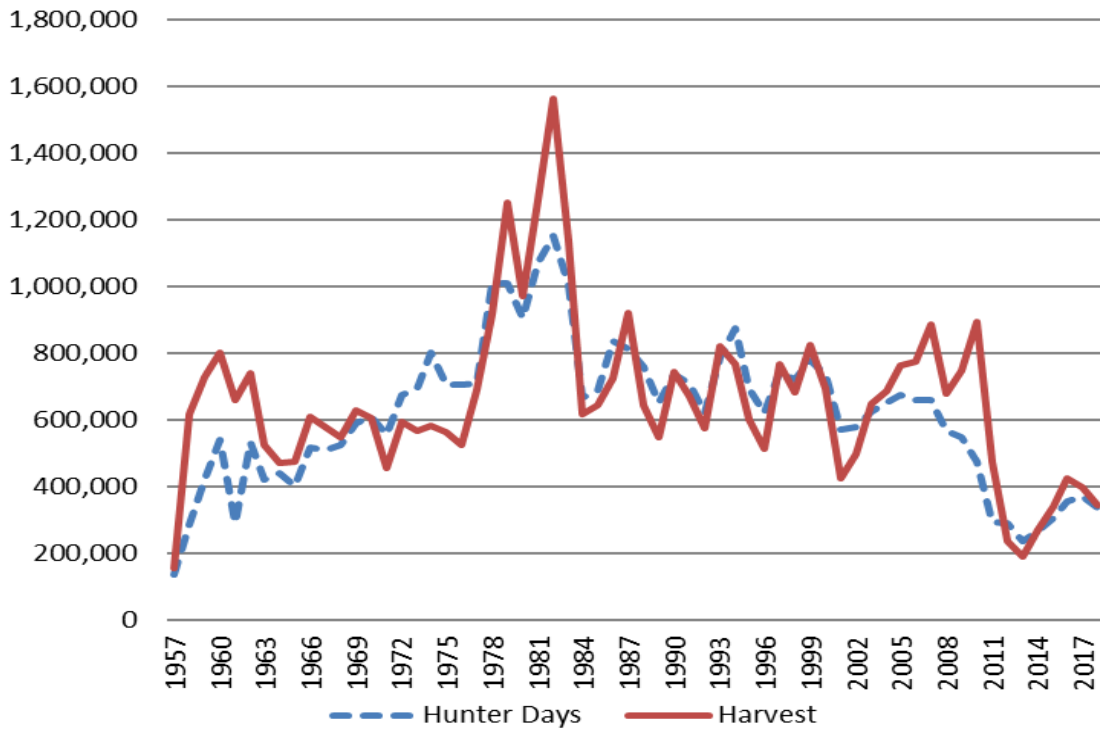


Table 4: Estimated Annual PHEASANT hunting Activity

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
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
2018	67	80,421	337,069	343,947	4.19	4.28	1.11

*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, 1957-2018.

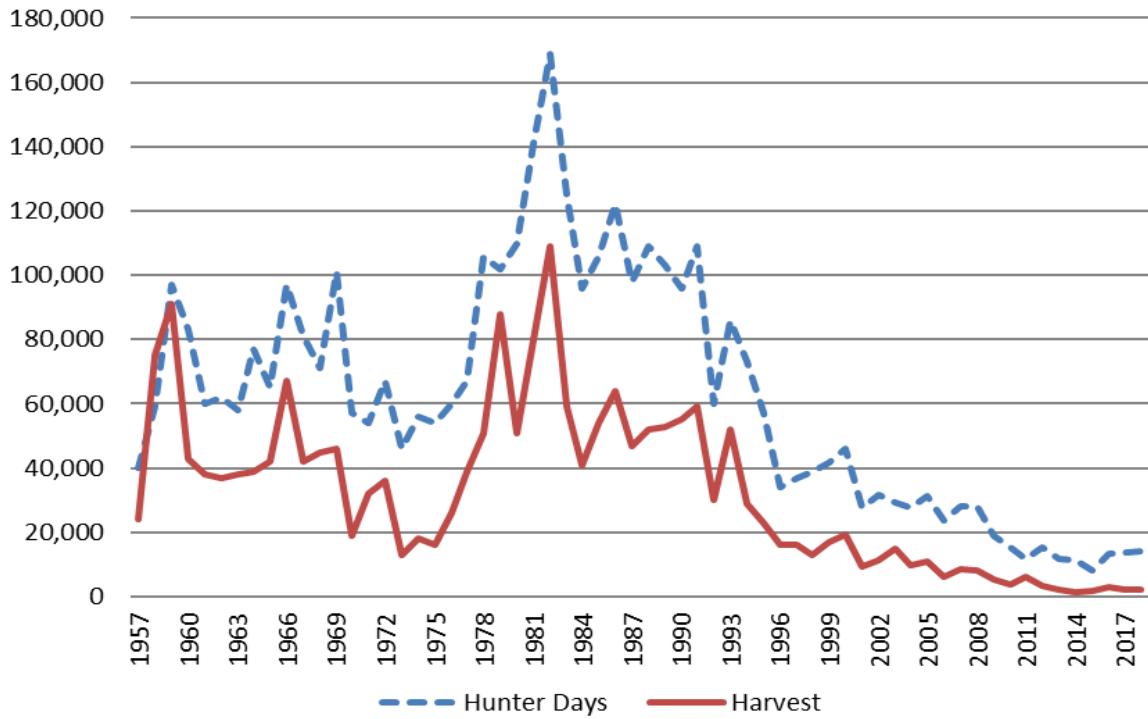


Table 5: Estimated Annual **GREATER PRAIRIE CHICKEN** hunting Activity

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
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
2018	3	3,710	14,107	2,100	3.80	0.57	0.17

*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 - 2018.

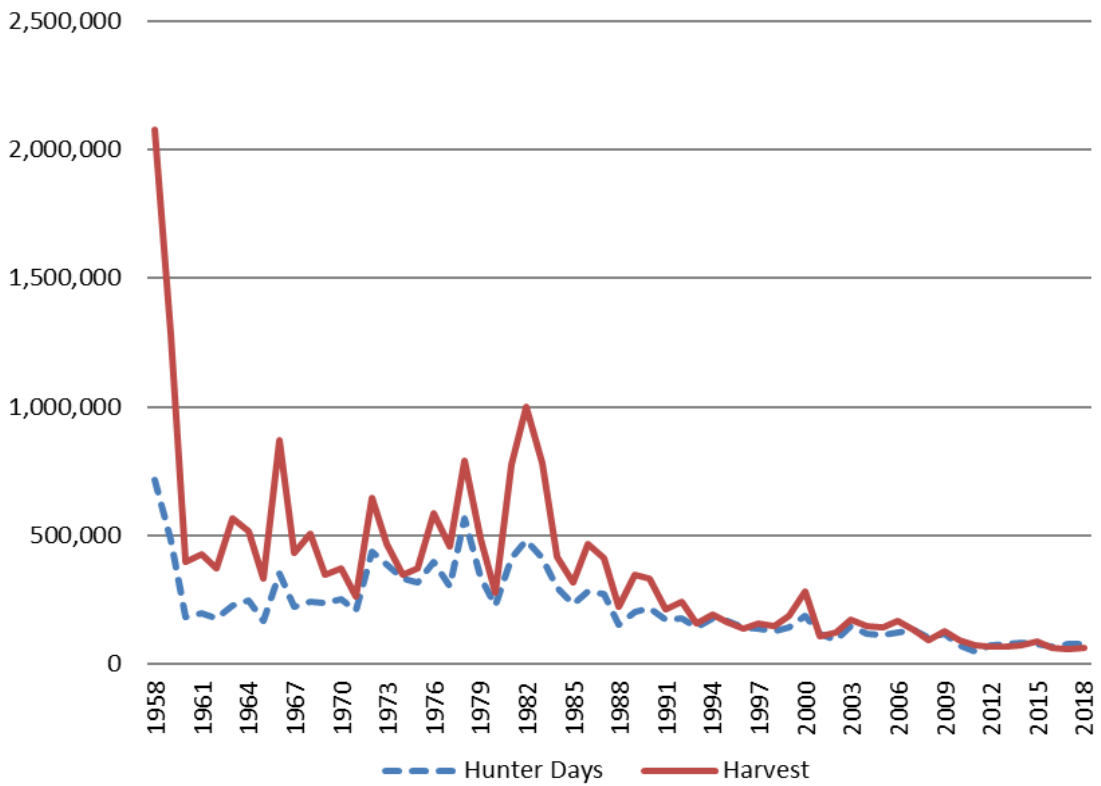


Table 6: Estimated Annual **COTTONTAIL** hunting Activity

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
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
2018	12	13,841	79,337	63,203	5.73	4.57	0.96

*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.

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Kansas Squirrel Harvest, 1957 - 2018.

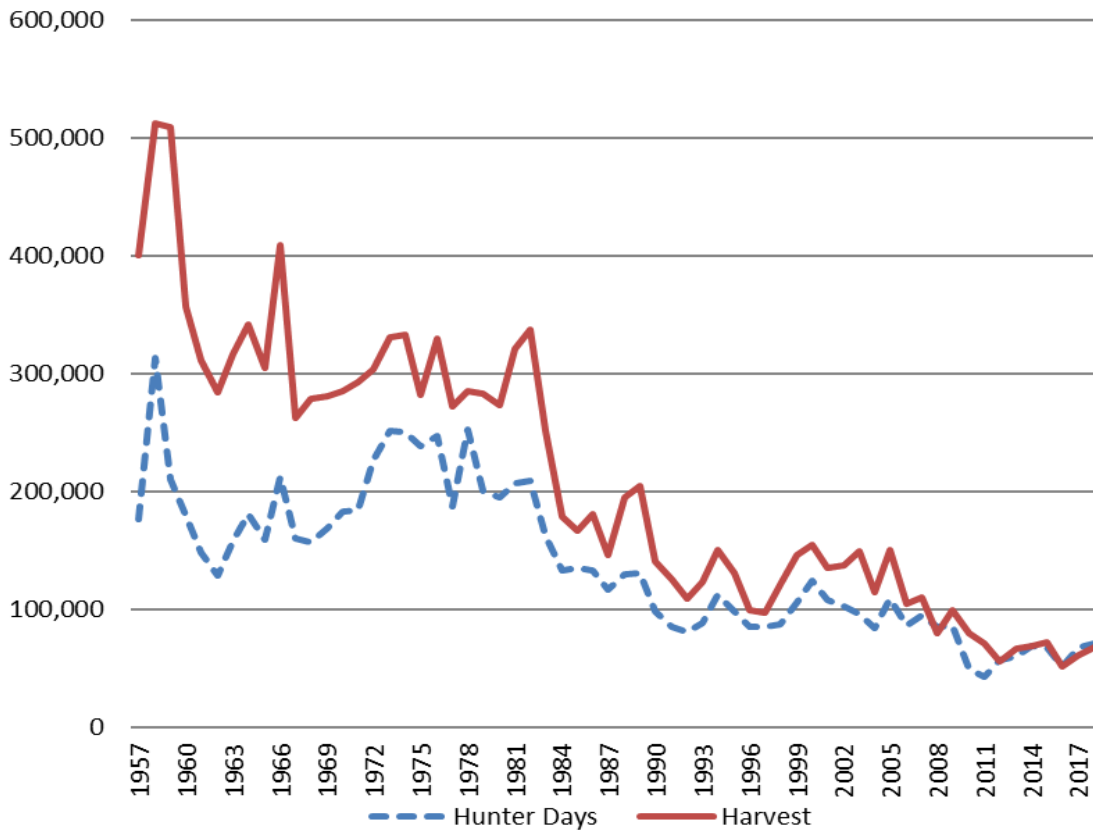


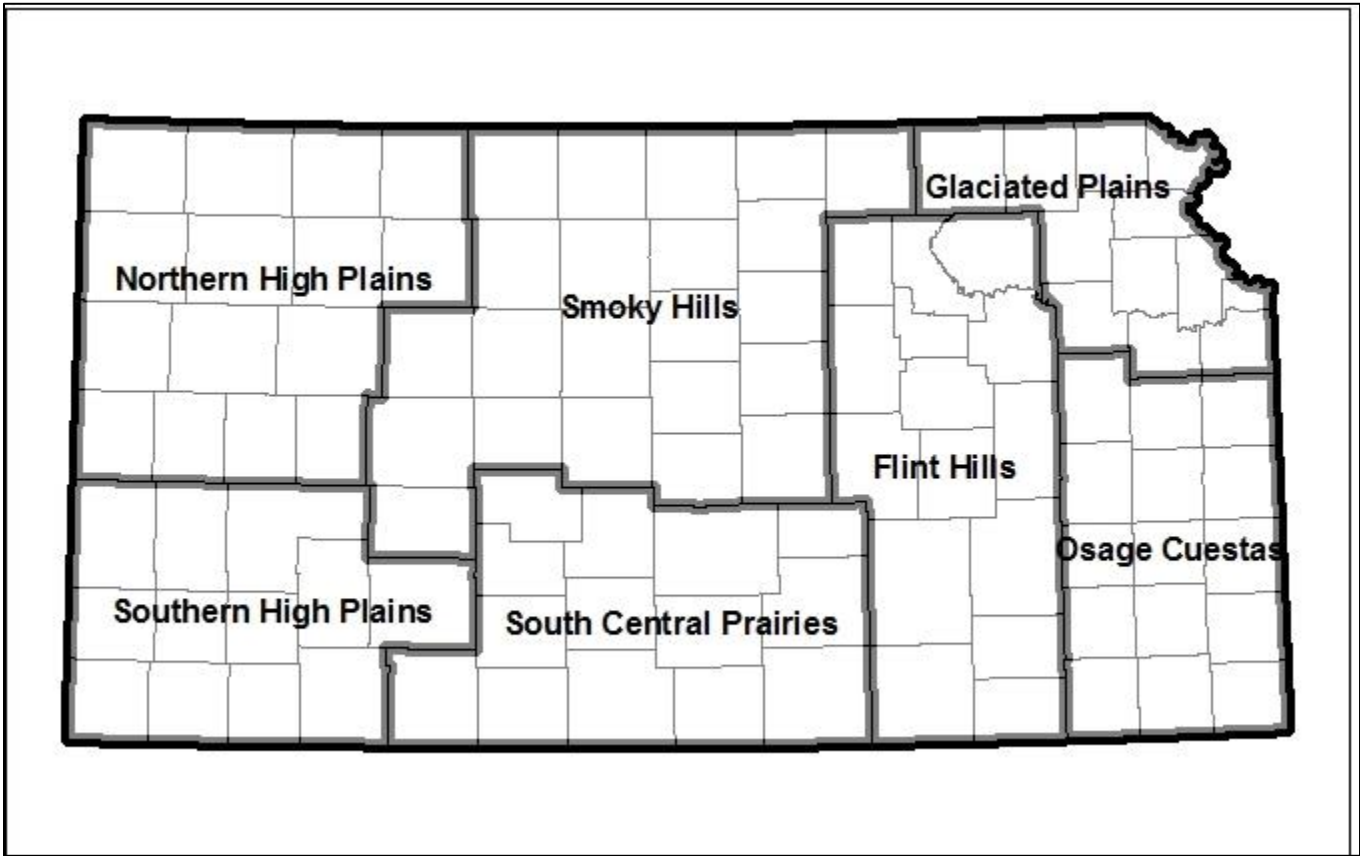
Table 7: Estimated Annual **SQUIRREL** hunting Activity

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
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
2018	9	10,756	71,082	67,664	6.61	6.29	1.23

*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 small game regions for all species

Small Game Hunter Activity Tables 2018-2019

Table 8: All Hunter Activity for Dove, 2018-2019 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	746	25.9		31,101	113,732	529,846	42,790	3.66	17.04	5.13
Northern High Plains	67	2.3	9.0	2,793	8,880	53,823	11,178	3.18	19.27	6.57
Southern High Plains	40	1.4	5.4	1,668	8,630	37,897	9,923	5.18	22.73	5.62
Smoky Hills	188	6.5	25.2	7,838	29,100	158,466	25,450	3.71	20.22	5.87
South-Central Prairies	132	4.6	17.7	5,503	22,054	95,263	20,315	4.01	17.31	4.62
Flint Hills	116	4.0	15.5	4,836	16,885	78,920	17,346	3.49	16.32	4.80
Glaciated Plains	86	3.0	11.5	3,585	12,966	39,189	8,780	3.62	10.93	3.62
Osage Cuestas	117	4.1	15.7	4,878	15,217	66,288	12,636	3.12	13.59	4.94
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	641	36.9		29,335	111,986	485,883	43,758	3.82	16.56	4.80
Northern High Plains	40	2.3	6.2	1,831	5,995	26,315	8,782	3.28	14.38	4.91
Southern High Plains	33	1.9	5.1	1,510	8,787	36,474	10,542	5.82	24.15	5.30
Smoky Hills	152	8.8	23.7	6,956	27,321	141,413	25,621	3.93	20.33	5.71
South-Central Prairies	116	6.7	18.1	5,309	22,791	94,458	21,462	4.29	17.79	4.45
Flint Hills	110	6.3	17.2	5,034	17,528	78,258	17,866	3.48	15.55	4.63
Glaciated Plains	85	4.9	13.3	3,890	14,141	42,790	9,624	3.64	11.00	3.63
Osage Cuestas	105	6.0	16.4	4,805	15,423	66,176	13,749	3.21	13.77	4.76
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	105	9.2		861	2,305	17,158	3,067	2.68	19.92	7.14
Northern High Plains	27	2.4	25.7	221	673	5,872	1,397	3.04	26.52	9.04
Southern High Plains	7	0.6	6.7	57	123	919	581	2.14	16.00	7.12
Smoky Hills	36	3.1	34.3	295	828	5,831	2,101	2.81	19.75	6.53
South-Central Prairies	16	1.4	15.2	131	254	1,813	1,201	1.94	13.81	5.84
Flint Hills	6	0.5	5.7	49	180	1,501	1,465	3.67	30.50	7.86
Glaciated Plains	1	0.1	1.0	8	16	41	NE	2.00	5.00	2.50
Osage Cuestas	12	1.0	11.4	98	230	1,181	399	2.33	12.00	6.49
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

^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, 2018-2019 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	1,584	55.0		66,038	301,131	493,533	44,381	4.56	7.47	1.52
Northern High Plains	166	5.8	10.5	6,921	34,436	57,325	20,967	4.98	8.28	1.39
Southern High Plains	189	6.6	11.9	7,880	33,769	67,747	23,073	4.29	8.60	1.69
Smoky Hills	632	21.9	39.9	26,348	114,941	189,567	21,262	4.36	7.19	1.62
South-Central Prairies	257	8.9	16.2	10,714	45,651	63,745	10,487	4.26	5.95	1.44
Flint Hills	181	6.3	11.4	7,546	40,398	66,455	17,709	5.35	8.81	1.48
Glaciated Plains	82	2.8	5.2	3,419	16,051	23,222	8,698	4.70	6.79	1.17
Osage Cuestas	77	2.7	4.9	3,210	15,884	25,473	8,221	4.95	7.94	1.38
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	915	52.7		41,875	203,744	305,479	38,829	4.87	7.30	1.37
Northern High Plains	55	3.2	6.0	2,517	13,729	23,386	15,395	5.45	9.29	1.40
Southern High Plains	88	5.1	9.6	4,027	18,214	37,710	22,703	4.52	9.36	1.55
Smoky Hills	341	19.6	37.3	15,606	70,889	100,911	14,356	4.54	6.47	1.47
South-Central Prairies	161	9.3	17.6	7,368	35,788	45,307	9,639	4.86	6.15	1.24
Flint Hills	137	7.9	15.0	6,270	36,337	58,258	18,840	5.80	9.29	1.36
Glaciated Plains	69	4.0	7.5	3,158	14,553	18,947	8,438	4.61	6.00	1.09
Osage Cuestas	64	3.7	7.0	2,929	14,233	20,960	8,073	4.86	7.16	1.17
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	669	58.4		5,487	22,727	42,346	5,287	4.14	7.72	1.74
Northern High Plains	111	9.7	16.6	910	4,314	7,086	3,131	4.74	7.78	1.38
Southern High Plains	101	8.8	15.1	828	3,379	6,570	2,108	4.08	7.93	1.82
Smoky Hills	291	25.4	43.5	2,387	9,908	19,209	3,298	4.15	8.05	1.80
South-Central Prairies	96	8.4	14.3	787	2,567	4,421	1,150	3.26	5.61	1.78
Flint Hills	44	3.8	6.6	361	1,435	2,633	906	3.98	7.30	1.86
Glaciated Plains	13	1.1	1.9	107	550	1,173	867	5.15	11.00	1.59
Osage Cuestas	13	1.1	1.9	107	574	1,255	783	5.38	11.77	2.42
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

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^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, 2018-2019 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	1,929	67.0		80,421	337,069	343,947	23,069	4.19	4.28	1.11
Northern High Plains	395	13.7	20.5	16,468	79,587	87,675	10,937	4.83	5.32	1.16
Southern High Plains	284	9.9	14.7	11,840	46,985	70,082	14,614	3.97	5.92	1.44
Smoky Hills	731	25.4	37.9	30,476	126,656	110,855	10,902	4.16	3.64	0.97
South-Central Prairies	331	11.5	17.2	13,800	53,572	56,908	7,269	3.88	4.12	1.18
Flint Hills	117	4.1	6.1	4,878	20,387	11,924	3,312	4.18	2.44	0.82
Glaciated Plains	59	2.0	3.1	2,460	8,880	4,794	2,309	3.61	1.95	0.81
Osage Cuestas	12	0.4	0.6	500	1,001	1,709	841	2.00	3.42	2.15
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	1,057	60.9		48,373	213,812	193,356	20,559	4.42	4.00	0.97
Northern High Plains	175	10.1	16.6	8,009	39,266	40,502	7,703	4.90	5.06	1.11
Southern High Plains	154	8.9	14.6	7,048	29,747	41,875	14,620	4.22	5.94	1.34
Smoky Hills	405	23.3	38.3	18,535	82,239	64,849	9,586	4.44	3.50	0.83
South-Central Prairies	185	10.7	17.5	8,466	38,076	31,806	6,213	4.50	3.76	0.86
Flint Hills	82	4.7	7.8	3,753	15,926	8,787	3,089	4.24	2.34	0.78
Glaciated Plains	49	2.8	4.6	2,242	7,826	4,210	2,325	3.49	1.88	0.85
Osage Cuestas	7	0.4	0.7	320	732	1,327	578	2.29	4.14	2.74
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	872	76.2		7,152	27,993	33,012	2,647	3.91	4.62	1.28
Northern High Plains	220	19.2	25.2	1,804	8,620	9,990	1,661	4.78	5.54	1.19
Southern High Plains	130	11.4	14.9	1,066	3,912	6,283	1,222	3.67	5.89	1.55
Smoky Hills	326	28.5	37.4	2,674	10,178	10,187	1,290	3.81	3.81	1.15
South-Central Prairies	146	12.8	16.7	1,197	3,715	5,495	901	3.10	4.59	1.58
Flint Hills	35	3.1	4.0	287	1,156	771	361	4.03	2.69	0.89
Glaciated Plains	10	0.9	1.1	82	344	189	220	4.20	2.30	0.61
Osage Cuestas	5	0.4	0.6	41	66	98	171	1.60	2.40	1.33
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, 2018-2019 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	89	3.1		3,710	14,107	2,100	936	3.80	0.57	0.17
Northern High Plains	14	0.5	15.7	584	1,712	117	134	2.93	0.20	0.11
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	48	1.7	53.9	2,001	7,102	1,059	715	3.55	0.53	0.17
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	24	0.8	27.0	1,001	4,503	824	580	4.50	0.82	0.22
Glaciated Plains	4	0.1	4.5	167	800	67	113	4.80	0.40	0.06
Osage Cuestas	1	0.0	1.1	42	42	0	NE	1.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	39	2.2		1,785	7,981	1,482	733	4.47	0.83	0.24
Northern High Plains	2	0.1	5.1	92	183	46	581	2.00	0.50	0.25
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	17	1.0	43.6	778	3,276	532	452	4.21	0.68	0.24
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	18	1.0	46.2	824	3,936	854	589	4.78	1.04	0.28
Glaciated Plains	4	0.2	10.3	183	879	73	124	4.80	0.40	0.06
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	50	4.4		410	1,284	124	119	3.13	0.30	0.10
Northern High Plains	12	1.0	24.0	98	303	15	22	3.08	0.15	0.09
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	31	2.7	62.0	254	802	111	121	3.16	0.44	0.13
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	6	0.5	12.0	49	169	0	NE	3.43	0.00	0.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.1	2.0	8	8	0	NE	1.00	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, 2018-2019 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	27	0.9		1,126	3,919	1,126	665	3.48	1.00	0.37
Northern High Plains	1	0.0	3.7	42	42	0	NE	1.00	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	8	0.3	29.6	334	1,084	459	493	3.25	1.38	0.64
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	16	0.6	59.3	667	2,543	625	527	3.81	0.94	0.28
Glaciated Plains	2	0.1	7.4	83	250	42	530	3.00	0.50	0.10
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	22	1.3		1,007	3,661	1,053	653	3.64	1.05	0.36
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	6	0.3	27.3	275	915	320	462	3.33	1.17	0.52
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	14	0.8	63.6	641	2,471	686	571	3.86	1.07	0.32
Glaciated Plains	2	0.1	9.1	92	275	46	581	3.00	0.50	0.10
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	5	0.4		41	115	33	91	2.80	0.80	0.40
Northern High Plains	1	0.1	20.0	8	8	0	NE	1.00	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	2	0.2	40.0	16	49	33	417	3.00	2.00	1.00
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	2	0.2	40.0	16	57	0	NE	3.50	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

^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

^c 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, 2018-2019 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	332	11.5		13,841	79,337	63,203	11,133	5.73	4.57	0.96
Northern High Plains	33	1.1	9.9	1,376	8,422	5,128	2,155	6.12	3.73	0.80
Southern High Plains	22	0.8	6.6	917	6,796	8,963	4,665	7.41	9.77	1.24
Smoky Hills	57	2.0	17.2	2,376	12,257	9,047	4,085	5.16	3.81	0.73
South-Central Prairies	35	1.2	10.5	1,459	6,504	3,961	1,597	4.46	2.71	0.99
Flint Hills	65	2.3	19.6	2,710	18,344	12,215	5,050	6.77	4.51	1.19
Glaciated Plains	51	1.8	15.4	2,126	11,632	8,630	3,294	5.47	4.06	0.84
Osage Cuestas	69	2.4	20.8	2,877	15,384	15,259	6,666	5.35	5.30	1.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	279	16.1		12,768	77,434	59,952	11,675	6.06	4.70	0.97
Northern High Plains	18	1.0	6.5	824	6,041	3,249	1,503	7.33	3.94	0.96
Southern High Plains	16	0.9	5.7	732	6,361	9,290	4,782	8.69	12.69	1.50
Smoky Hills	37	2.1	13.3	1,693	10,068	6,590	3,965	5.95	3.89	0.69
South-Central Prairies	34	2.0	12.2	1,556	6,956	3,890	1,611	4.47	2.50	0.94
Flint Hills	59	3.4	21.1	2,700	18,992	11,762	5,187	7.03	4.36	1.16
Glaciated Plains	50	2.9	17.9	2,288	12,585	9,244	3,617	5.50	4.04	0.83
Osage Cuestas	65	3.7	23.3	2,975	16,430	15,926	7,280	5.52	5.35	0.94
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	53	4.6		435	1,731	1,690	666	3.98	3.89	0.93
Northern High Plains	15	1.3	28.3	123	574	426	361	4.67	3.47	0.61
Southern High Plains	6	0.5	11.3	49	197	98	80	4.00	2.00	0.56
Smoky Hills	20	1.7	37.7	164	607	599	422	3.70	3.65	0.82
South-Central Prairies	1	0.1	1.9	8	33	82	NE	4.00	10.00	2.50
Flint Hills	6	0.5	11.3	49	205	295	492	4.17	6.00	1.50
Glaciated Plains	1	0.1	1.9	8	33	41	NE	4.00	5.00	1.25
Osage Cuestas	4	0.3	7.5	33	82	148	271	2.50	4.50	1.96
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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^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, 2018-2019 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	32	1.1		1,334	8,213	4,961	3,331	6.16	3.72	0.57
Northern High Plains	7	0.2	21.9	292	2,710	250	243	9.29	0.86	0.43
Southern High Plains	15	0.5	46.9	625	4,378	4,419	3,137	7.00	7.07	0.85
Smoky Hills	6	0.2	18.8	250	750	250	439	3.00	1.00	0.28
South-Central Prairies	3	0.1	9.4	125	292	42	179	2.33	0.33	0.33
Flint Hills	1	0.0	3.1	42	83	0	NE	2.00	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										
State	22	1.3		1,007	6,819	4,805	3,626	6.77	4.77	0.68
Northern High Plains	4	0.2	18.2	183	1,968	137	279	10.75	0.75	0.63
Southern High Plains	12	0.7	54.5	549	4,210	4,622	3,378	7.67	8.42	0.96
Smoky Hills	3	0.2	13.6	137	320	0	NE	2.33	0.00	0.00
South-Central Prairies	3	0.2	13.6	137	320	46	197	2.33	0.33	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	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	10	0.9		82	394	115	93	4.80	1.40	0.33
Northern High Plains	3	0.3	30.0	25	180	25	61	7.33	1.00	0.16
Southern High Plains	3	0.3	30.0	25	107	41	127	4.33	1.67	0.38
Smoky Hills	3	0.3	30.0	25	90	49	122	3.67	2.00	0.56
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	1	0.1	10.0	8	16	0	NE	2.00	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

^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, 2018-2019 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	258	9.0		10,756	71,082	67,664	10,133	6.61	6.29	1.23
Northern High Plains	2	0.1	0.8	83	1,793	292	2,649	21.50	3.50	0.24
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	23	0.8	8.9	959	7,588	5,170	2,953	7.91	5.39	1.16
South-Central Prairies	28	1.0	10.9	1,167	4,711	3,627	1,953	4.04	3.11	0.89
Flint Hills	57	2.0	22.1	2,376	16,009	16,176	5,137	6.74	6.81	1.47
Glaciated Plains	67	2.3	26.0	2,793	18,802	19,011	6,286	6.73	6.81	1.13
Osage Cuestas	81	2.8	31.4	3,377	22,179	23,388	5,162	6.57	6.93	1.30
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	243	14.0		11,121	75,649	70,432	10,859	6.80	6.33	1.20
Northern High Plains	1	0.1	0.4	46	1,831	275	NE	40.00	6.00	0.15
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	20	1.2	8.2	915	8,009	4,622	2,897	8.75	5.05	0.98
South-Central Prairies	26	1.5	10.7	1,190	4,988	3,798	2,149	4.19	3.19	0.88
Flint Hills	54	3.1	22.2	2,471	17,024	17,162	5,630	6.89	6.94	1.45
Glaciated Plains	65	3.7	26.7	2,975	20,503	20,503	6,895	6.89	6.89	1.07
Osage Cuestas	77	4.4	31.7	3,524	23,294	24,072	5,380	6.61	6.83	1.31
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	15	1.3		123	426	689	487	3.47	5.60	1.73
Northern High Plains	1	0.1	6.7	8	25	8	NE	3.00	1.00	0.33
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	3	0.3	20.0	25	57	189	654	2.33	7.67	2.33
South-Central Prairies	2	0.2	13.3	16	33	33		2.00	2.00	1.00
Flint Hills	3	0.3	20.0	25	98	107	93	4.00	4.33	1.87
Glaciated Plains	2	0.2	13.3	16	25	66	208	1.50	4.00	3.25
Osage Cuestas	4	0.3	26.7	33	189	287	580	5.75	8.75	1.13
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 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
2018	2,279	6.14	1.30	21.14

Table 17. Number and percent of non-resident respondents by state or country of residence 2018-2019.

State/Country	Number	Percent	State/Country	Number	Percent
Colorado	284	12.82	Ohio	26	1.17
Texas	243	10.97	Arizona	25	1.13
Missouri	234	10.56	Virginia	21	0.95
Oklahoma	154	6.95	Utah	19	0.86
Arkansas	151	6.82	New Mexico	17	0.77
Minnesota	79	3.57	Idaho	14	0.63
Wisconsin	76	3.43	Wyoming	13	0.59
Louisiana	73	3.30	Oregon	12	0.54
Michigan	70	3.16	West Virginia	12	0.54
Georgia	59	2.66	Alaska	10	0.45
Mississippi	58	2.62	South Dakota	8	0.36
Pennsylvania	49	2.21	Vermont	8	0.36
Nebraska	48	2.17	Nevada	7	0.32
Alabama	46	2.08	Washington	7	0.32
Florida	46	2.08	Massachusetts	6	0.27
North Carolina	42	1.90	New Jersey	6	0.27
Tennessee	39	1.76	Maine	4	0.18
Illinois	36	1.63	Montana	4	0.18
Indiana	36	1.63	Maryland	3	0.14
California	35	1.58	New Hampshire	3	0.14
Iowa	34	1.53	North Dakota	2	0.09
South Carolina	33	1.49	Connecticut	1	0.05
New York	32	1.44	Delaware	1	0.05
Kentucky	28	1.26	Washington DC	1	0.05

Table 18. Regional breakdown of hunting activity as indicated by sample sizes for the 2018-2019 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)	^a Lesser Prairie Chicken	Cottontail	Jackrabbit	Squirrel
All Hunters (Resident and Non-Resident)								
State	746 (26)	1,577 (55)	1,929 (67)	89 (3)	2 (0)	332 (12)	32 (1)	258 (9)
Northern High Plains	67 (2)	164 (6)	395 (14)	14 (0)	0 (0)	33 (1)	7 (0)	2 (0)
Southern High Plains	40 (1)	188 (7)	284 (10)	0 (0)	2 (0)	22 (1)	15 (1)	0 (0)
Smoky Hills	188 (7)	630 (22)	731 (25)	48 (2)	0 (0)	57 (2)	6 (0)	23 (1)
South-Central Prairies	132 (5)	256 (9)	331 (11)	0 (0)	0 (0)	35 (1)	3 (0)	28 (1)
Flint Hills	116 (4)	181 (6)	117 (4)	24 (1)	0 (0)	65 (2)	1 (0)	57 (2)
Glaciated Plains	86 (3)	81 (3)	59 (2)	4 (0)	0 (0)	51 (2)	0 (0)	67 (2)
Osage Cuestas	117 (4)	77 (3)	12 (0)	1 (0)	0 (0)	69 (2)	0 (0)	81 (3)
Resident								
State	641 (37)	911 (52)	1,057 (61)	39 (2)	0 (0)	279 (16)	22 (1)	243 (14)
Northern High Plains	40 (2)	54 (3)	175 (10)	2 (0)	0 (0)	18 (1)	4 (0)	1 (0)
Southern High Plains	33 (2)	87 (5)	154 (9)	0 (0)	0 (0)	16 (1)	12 (1)	0 (0)
Smoky Hills	152 (9)	340 (20)	405 (23)	17 (1)	0 (0)	37 (2)	3 (0)	20 (1)
South-Central Prairies	116 (7)	161 (9)	185 (11)	0 (0)	0 (0)	34 (2)	3 (0)	26 (1)
Flint Hills	110 (6)	137 (8)	82 (5)	18 (1)	0 (0)	59 (3)	0 (0)	54 (3)
Glaciated Plains	85 (5)	68 (4)	49 (3)	4 (0)	0 (0)	50 (3)	0 (0)	65 (4)
Osage Cuestas	105 (6)	64 (4)	7 (0)	0 (0)	0 (0)	65 (4)	0 (0)	77 (4)
Non-Resident								
State	105 (9)	666 (58)	872 (76)	50 (4)	2 (0)	53 (5)	10 (1)	15 (1)
Northern High Plains	27 (2)	110 (10)	220 (19)	12 (1)	0 (0)	15 (1)	3 (0)	1 (0)
Southern High Plains	7 (1)	101 (9)	130 (11)	0 (0)	2 (0)	6 (1)	3 (0)	0 (0)
Smoky Hills	36 (3)	290 (25)	326 (28)	31 (3)	0 (0)	20 (2)	3 (0)	3 (0)
South-Central Prairies	16 (1)	95 (8)	146 (13)	0 (0)	0 (0)	1 (0)	0 (0)	2 (0)
Flint Hills	6 (1)	44 (4)	35 (3)	6 (1)	0 (0)	6 (1)	1 (0)	3 (0)
Glaciated Plains	1 (0)	13 (1)	10 (1)	0 (0)	0 (0)	1 (0)	0 (0)	2 (0)
Osage Cuestas	12 (1)	13 (1)	5 (0)	1 (0)	0 (0)	4 (0)	0 (0)	4 (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

^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, 2018-2019 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	90	3.1		3,752	16,343	145,667	58,647	4.36	38.82	11.00
Northern High Plains	43	1.5	47.8	1,793	7,463	55,240	29,380	4.16	30.81	8.61
Southern High Plains	24	0.8	26.7	1,001	5,086	41,232	29,805	5.08	41.21	9.32
Smoky Hills	12	0.4	13.3	500	1,584	21,679	18,396	3.17	43.33	18.49
South-Central Prairies	8	0.3	8.9	334	1,918	6,504	6,426	5.75	19.50	8.80
Flint Hills	1	0.0	1.1	42	42	167	NE	1.00	4.00	4.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.1	2.2	83	250	20,845	264,865	3.00	250.00	50.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	67	3.9		3,066	14,004	112,810	54,241	4.57	36.79	10.44
Northern High Plains	29	1.7	43.3	1,327	5,492	33,866	16,001	4.14	25.52	8.23
Southern High Plains	20	1.2	29.9	915	5,034	35,834	28,575	5.50	39.15	9.05
Smoky Hills	10	0.6	14.9	458	1,464	14,462	10,566	3.20	31.60	12.09
South-Central Prairies	5	0.3	7.5	229	1,693	5,583	8,120	7.40	24.40	10.95
Flint Hills	1	0.1	1.5	46	46	183	NE	1.00	4.00	4.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.1	3.0	92	275	22,882	290,748	3.00	250.00	50.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	23	2.0		189	705	8,440	6,678	3.74	44.74	12.64
Northern High Plains	14	1.2	60.9	115	484	4,798	5,470	4.21	41.79	9.39
Southern High Plains	4	0.3	17.4	33	98	1,690	5,168	3.00	51.50	10.67
Smoky Hills	2	0.2	8.7	16	49	1,673	20,426	3.00	102.00	50.50
South-Central Prairies	3	0.3	13.0	25	74	279	494	3.00	11.33	5.22
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 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, 2018-2019 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	630	21.9		26,265	190,484	100,725	19,253	7.25	3.83	0.52
Northern High Plains	65	2.3	10.3	2,710	17,343	7,421	4,541	6.40	2.74	0.40
Southern High Plains	56	1.9	8.9	2,335	16,801	18,469	14,095	7.20	7.91	0.80
Smoky Hills	109	3.8	17.3	4,544	42,066	17,552	5,779	9.26	3.86	0.40
South-Central Prairies	69	2.4	11.0	2,877	14,508	7,713	4,108	5.04	2.68	0.47
Flint Hills	118	4.1	18.7	4,919	41,607	18,594	5,055	8.46	3.78	0.52
Glaciated Plains	94	3.3	14.9	3,919	21,804	10,381	5,645	5.56	2.65	0.52
Osage Cuestas	119	4.1	18.9	4,961	36,354	20,595	7,193	7.33	4.15	0.59
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	534	30.8		24,438	191,159	104,435	20,886	7.82	4.27	0.54
Northern High Plains	47	2.7	8.8	2,151	16,018	7,597	4,936	7.45	3.53	0.46
Southern High Plains	42	2.4	7.9	1,922	16,430	19,267	15,392	8.55	10.02	0.86
Smoky Hills	95	5.5	17.8	4,348	41,966	18,672	6,206	9.65	4.29	0.44
South-Central Prairies	58	3.3	10.9	2,654	14,599	8,146	4,468	5.50	3.07	0.50
Flint Hills	105	6.0	19.7	4,805	43,110	19,496	5,468	8.97	4.06	0.51
Glaciated Plains	91	5.2	17.0	4,165	23,615	11,258	6,193	5.67	2.70	0.52
Osage Cuestas	96	5.5	18.0	4,393	35,422	19,999	7,705	8.06	4.55	0.59
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	96	8.4		787	3,215	1,099	422	4.08	1.40	0.42
Northern High Plains	18	1.6	18.8	148	541	98	56	3.67	0.67	0.24
Southern High Plains	14	1.2	14.6	115	361	180	206	3.14	1.57	0.61
Smoky Hills	14	1.2	14.6	115	755	107	175	6.57	0.93	0.11
South-Central Prairies	11	1.0	11.5	90	238	57	68	2.64	0.64	0.29
Flint Hills	13	1.1	13.5	107	459	164	128	4.31	1.54	0.55
Glaciated Plains	3	0.3	3.1	25	57	25	61	2.33	1.00	0.39
Osage Cuestas	23	2.0	24.0	189	804	468	316	4.26	2.48	0.62
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, 2018-2019 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	513	17.8		21,387	132,534	65,287	11,933	6.20	3.05	0.52
Northern High Plains	55	1.9	10.7	2,293	11,715	3,961	1,791	5.11	1.73	0.40
Southern High Plains	49	1.7	9.6	2,043	10,006	6,754	3,754	4.90	3.31	0.67
Smoky Hills	77	2.7	15.0	3,210	23,597	10,131	4,459	7.35	3.16	0.42
South-Central Prairies	59	2.0	11.5	2,460	11,757	6,212	3,860	4.78	2.53	0.46
Flint Hills	95	3.3	18.5	3,961	30,768	14,592	4,631	7.77	3.68	0.57
Glaciated Plains	79	2.7	15.4	3,294	15,968	7,296	5,330	4.85	2.22	0.47
Osage Cuestas	99	3.4	19.3	4,127	28,725	16,343	6,631	6.96	3.96	0.61
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	418	24.1		19,130	128,004	65,535	12,803	6.69	3.43	0.54
Northern High Plains	37	2.1	8.9	1,693	9,839	3,798	1,907	5.81	2.24	0.48
Southern High Plains	35	2.0	8.4	1,602	8,970	6,407	3,981	5.60	4.00	0.70
Smoky Hills	63	3.6	15.1	2,883	21,692	10,526	4,765	7.52	3.65	0.49
South-Central Prairies	48	2.8	11.5	2,197	11,578	6,499	4,204	5.27	2.96	0.49
Flint Hills	83	4.8	19.9	3,798	31,669	15,102	5,013	8.34	3.98	0.57
Glaciated Plains	76	4.4	18.2	3,478	17,208	7,872	5,851	4.95	2.26	0.47
Osage Cuestas	76	4.4	18.2	3,478	27,047	15,331	7,088	7.78	4.41	0.60
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	95	8.3		779	3,133	1,099	422	4.02	1.41	0.42
Northern High Plains	18	1.6	18.9	148	541	98	56	3.67	0.67	0.24
Southern High Plains	14	1.2	14.7	115	361	180	206	3.14	1.57	0.61
Smoky Hills	14	1.2	14.7	115	755	107	175	6.57	0.93	0.11
South-Central Prairies	11	1.0	11.6	90	238	57	68	2.64	0.64	0.29
Flint Hills	12	1.0	12.6	98	377	164	126	3.83	1.67	0.59
Glaciated Plains	3	0.3	3.2	25	57	25	61	2.33	1.00	0.39
Osage Cuestas	23	2.0	24.2	189	804	468	316	4.26	2.48	0.62
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, 2018-2019 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	117	4.1		4,878	57,950	35,437	14,913	11.88	7.26	0.52
Northern High Plains	10	0.3	8.5	417	5,628	3,460	4,567	13.50	8.30	0.41
Southern High Plains	7	0.2	6.0	292	6,796	11,715	14,649	23.29	40.14	1.68
Smoky Hills	32	1.1	27.4	1,334	18,469	7,421	3,734	13.84	5.56	0.33
South-Central Prairies	10	0.3	8.5	417	2,752	1,501	1,694	6.60	3.60	0.55
Flint Hills	23	0.8	19.7	959	10,840	4,002	2,193	11.30	4.17	0.30
Glaciated Plains	15	0.5	12.8	625	5,837	3,085	1,930	9.33	4.93	0.75
Osage Cuestas	20	0.7	17.1	834	7,629	4,252	3,030	9.15	5.10	0.54
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	116	6.7		5,309	63,155	38,900	16,359	11.90	7.33	0.53
Northern High Plains	10	0.6	8.6	458	6,178	3,798	5,013	13.50	8.30	0.41
Southern High Plains	7	0.4	6.0	320	7,460	12,860	16,081	23.29	40.14	1.68
Smoky Hills	32	1.8	27.6	1,464	20,274	8,146	4,098	13.84	5.56	0.33
South-Central Prairies	10	0.6	8.6	458	3,020	1,648	1,860	6.60	3.60	0.55
Flint Hills	22	1.3	19.0	1,007	11,441	4,393	2,380	11.36	4.36	0.31
Glaciated Plains	15	0.9	12.9	686	6,407	3,387	2,119	9.33	4.93	0.75
Osage Cuestas	20	1.2	17.2	915	8,375	4,668	3,327	9.15	5.10	0.54
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	1	0.1		8	82	0	NE	10.00	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	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	1	0.1	100.0	8	82	0	NE	10.00	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

*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, 2018 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	132	4.6		5,503	17,552	49,862	10,117	3.19	9.06	2.81
Northern High Plains	1	0.0	0.8	42	42	42	NE	1.00	1.00	1.00
Southern High Plains	4	0.1	3.0	167	709	1,334	1,245	4.25	8.00	1.77
Smoky Hills	51	1.8	38.6	2,126	7,504	27,266	8,542	3.53	12.82	3.46
South-Central Prairies	20	0.7	15.2	834	2,043	5,253	2,153	2.45	6.30	2.84
Flint Hills	26	0.9	19.7	1,084	3,210	8,672	3,823	2.96	8.00	2.59
Glaciated Plains	12	0.4	9.1	500	2,210	3,836	1,880	4.42	7.67	2.25
Osage Cuestas	18	0.6	13.6	750	1,834	3,460	1,908	2.44	4.61	1.98
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	114	6.6		5,217	16,933	46,039	10,380	3.25	8.82	2.71
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	4	0.2	3.5	183	778	1,464	1,366	4.25	8.00	1.77
Smoky Hills	44	2.5	38.6	2,014	7,094	25,033	8,772	3.52	12.43	3.44
South-Central Prairies	16	0.9	14.0	732	1,785	4,210	2,092	2.44	5.75	2.79
Flint Hills	23	1.3	20.2	1,053	3,066	8,238	4,100	2.91	7.83	2.38
Glaciated Plains	12	0.7	10.5	549	2,426	4,210	2,063	4.42	7.67	2.25
Osage Cuestas	15	0.9	13.2	686	1,785	2,883	2,058	2.60	4.20	1.58
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	18	1.6		148	418	1,558	775	2.83	10.56	3.49
Northern High Plains	1	0.1	5.6	8	8	8	NE	1.00	1.00	1.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	7	0.6	38.9	57	205	878	789	3.57	15.29	3.59
South-Central Prairies	4	0.3	22.2	33	82	279	334	2.50	8.50	3.04
Flint Hills	3	0.3	16.7	25	82	230	463	3.33	9.33	4.22
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	3	0.3	16.7	25	41	164	187	1.67	6.67	4.00
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

Table 24. All hunter activity for ducks, 2018-2019 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	620	21.5		25,848	189,400	432,290	65,411	7.33	16.72	2.09
Northern High Plains	14	0.5	2.3	584	1,251	1,251	824	2.14	2.14	0.82
Southern High Plains	18	0.6	2.9	750	4,503	8,880	4,508	6.00	11.83	2.09
Smoky Hills	140	4.9	22.6	5,837	31,018	74,209	22,176	5.31	12.71	2.17
South-Central Prairies	105	3.6	16.9	4,378	32,435	74,584	19,121	7.41	17.04	2.41
Flint Hills	107	3.7	17.3	4,461	43,233	110,230	31,158	9.69	24.71	2.27
Glaciated Plains	64	2.2	10.3	2,668	16,384	20,470	7,121	6.14	7.67	1.14
Osage Cuestas	172	6.0	27.7	7,171	60,576	142,665	48,298	8.45	19.90	2.19
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	404	23.3		18,489	164,844	355,774	66,339	8.92	19.24	1.79
Northern High Plains	7	0.4	1.7	320	824	1,007	792	2.57	3.14	1.11
Southern High Plains	11	0.6	2.7	503	3,982	7,505	4,803	7.91	14.91	1.99
Smoky Hills	61	3.5	15.1	2,792	18,855	38,854	19,207	6.75	13.92	1.85
South-Central Prairies	72	4.1	17.8	3,295	29,793	66,084	19,738	9.04	20.06	2.17
Flint Hills	83	4.8	20.5	3,798	41,646	99,401	29,167	10.96	26.17	2.15
Glaciated Plains	60	3.5	14.9	2,746	17,070	21,326	7,774	6.22	7.77	1.08
Osage Cuestas	110	6.3	27.2	5,034	52,675	121,597	51,870	10.46	24.15	1.66
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	216	18.9		1,772	7,718	21,284	4,794	4.36	12.01	2.65
Northern High Plains	7	0.6	3.2	57	98	66	99	1.71	1.14	0.52
Southern High Plains	7	0.6	3.2	57	172	402	303	3.00	7.00	2.25
Smoky Hills	79	6.9	36.6	648	2,723	7,636	2,770	4.20	11.78	2.42
South-Central Prairies	33	2.9	15.3	271	1,042	2,830	1,170	3.85	10.45	2.91
Flint Hills	24	2.1	11.1	197	1,042	3,871	3,404	5.29	19.67	2.66
Glaciated Plains	4	0.3	1.9	33	164	205	296	5.00	6.25	1.96
Osage Cuestas	62	5.4	28.7	509	2,477	6,274	1,875	4.87	12.34	3.13
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 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 geese species, 2018-2019 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	482	16.7		20,095	127,573	262,401	68,384	6.35	13.06	1.85
Northern High Plains	10	0.3	2.1	417	1,709	1,626	1,137	4.10	3.90	1.03
Southern High Plains	15	0.5	3.1	625	3,502	6,587	6,285	5.60	10.53	1.42
Smoky Hills	109	3.8	22.6	4,544	19,970	37,772	14,506	4.39	8.31	1.72
South-Central Prairies	96	3.3	19.9	4,002	25,890	62,911	24,695	6.47	15.72	2.32
Flint Hills	91	3.2	18.9	3,794	25,431	63,203	40,526	6.70	16.66	1.66
Glaciated Plains	66	2.3	13.7	2,752	19,845	50,237	45,741	7.21	18.26	2.30
Osage Cuestas	95	3.3	19.7	3,961	31,226	40,065	14,458	7.88	10.12	1.56
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	337	19.4		15,423	114,915	236,466	71,334	7.45	15.33	1.73
Northern High Plains	5	0.3	1.5	229	915	1,098	1,013	4.00	4.80	1.31
Southern High Plains	10	0.6	3.0	458	2,837	4,119	3,629	6.20	9.00	1.48
Smoky Hills	47	2.7	13.9	2,151	12,448	24,850	13,949	5.79	11.55	1.50
South-Central Prairies	66	3.8	19.6	3,020	24,667	60,043	26,442	8.17	19.88	2.33
Flint Hills	75	4.3	22.3	3,432	25,537	65,810	44,361	7.44	19.17	1.74
Glaciated Plains	61	3.5	18.1	2,792	20,182	42,332	46,635	7.23	15.16	1.43
Osage Cuestas	73	4.2	21.7	3,341	28,328	38,213	14,829	8.48	11.44	1.65
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	145	12.7		1,189	4,503	9,243	4,101	3.79	7.77	2.13
Northern High Plains	5	0.4	3.4	41	172	123	216	4.20	3.00	0.74
Southern High Plains	5	0.4	3.4	41	180	558	1,492	4.40	13.60	1.28
Smoky Hills	62	5.4	42.8	509	1,698	2,977	1,405	3.34	5.85	1.89
South-Central Prairies	30	2.6	20.7	246	673	1,616	766	2.73	6.57	2.29
Flint Hills	16	1.4	11.0	131	426	640	434	3.25	4.88	1.31
Glaciated Plains	5	0.4	3.4	41	287	2,297	4,712	7.00	56.00	12.89
Osage Cuestas	22	1.9	15.2	180	1,066	1,033	1,044	5.91	5.73	1.25
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

^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 2018-2019 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	2	0.1		83	250	83		3.00	1.00	0.38
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	50.0	42	83	42	NE	2.00	1.00	0.50
Glaciated Plains	1	0.0	50.0	42	167	42	NE	4.00	1.00	0.25
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 27: All Hunter Activity for Snipe, for 2018-2019 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	7	0.2		292	625	208	204	2.14	0.71	0.60
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	1	0.0	14.3	42	42	0	NE	1.00	0.00	0.00
Smoky Hills	2	0.1	28.6	83	83	125	530	1.00	1.50	1.50
South-Central Prairies	2	0.1	28.6	83	292	42	530	3.50	0.50	0.08
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	1	0.0	14.3	42	167	0	NE	4.00	0.00	0.00
Osage Cuestas	1	0.0	14.3	42	42	42	NE	1.00	1.00	1.00
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 2018-2019 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	2	0.1		83	208	83	1,059	2.50	1.00	1.00
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	50.0	42	42	83	NE	1.00	2.00	2.00
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	1	0.0	50.0	42	167	0	NE	4.00	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 29: All Hunter Activity for Crane, for 2018-2019 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	12	0.4		500	1,001	792	515	2.00	1.58	0.83
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	1	0.0	8.3	42	42	42	NE	1.00	1.00	1.00
Smoky Hills	2	0.1	16.7	83	167	0	NE	2.00	0.00	0.00
South-Central Prairies	9	0.3	75.0	375	792	750	478	2.11	2.00	0.99
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 2018-2019 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	7	0.2		292	2,418	1,543	1,754	8.29	5.29	1.17
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	4	0.1	57.1	167	1,126	1,042	2,105	6.75	6.25	1.18
South-Central Prairies	2	0.1	28.6	83	1,126	83	1,059	13.50	1.00	0.50
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	1	0.0	14.3	42	167	417	NE	4.00	10.00	2.50
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 2018-2019 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	48	1.7		2,001	5,878	14,133	4,809	2.94	7.06	2.68
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	6.3	125	167	208	647	1.33	1.67	1.00
South-Central Prairies	2	0.1	4.2	83	334	542	5,827	4.00	6.50	2.10
Flint Hills	14	0.5	29.2	584	1,668	3,919	2,969	2.86	6.71	2.38
Glaciated Plains	13	0.5	27.1	542	1,876	3,752	1,912	3.46	6.92	2.37
Osage Cuestas	16	0.6	33.3	667	1,834	5,712	3,678	2.75	8.56	3.58
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