

# ***SMALL GAME HUNTER ACTIVITY SURVEY – 2019***

## **STATEWIDE WILDLIFE RESEARCH AND SURVEYS**

**Performance Report  
A Contribution in Part of Pittman-Robertson  
Federal Aid in Wildlife Restoration  
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## **KANSAS DEPARTMENT OF WILDLIFE, PARKS, and TOURISM**

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## SMALL GAME HUNTER ACTIVITY SURVEY - 2019

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

Procedure: A random sample of 17,794 Kansas residents and 9,343 non-residents with valid hunting, combination, and lifetime licenses for the 2019-2020 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 2020 of their selection for the survey and asked to complete an on-line questionnaire of their hunting activity for the 2019-2030 season. 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. Non-respondents that receive a postcard notification are typically sent a reminder 2 weeks after the initial request however we were unable to send a second postcard this year due to facilities closures during the Covid-19 response. 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 KDWP 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 2019-2020 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 the status of the species has been in flux ever since this initial listing. 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 25,654 deliverable notifications, 6120 usable responses were obtained for an overall response rate of 24%. These included 3,380 responses from resident hunters and 2,740 responses from non-resident hunters. Of these, 3,148 (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 2019-2020 seasons.

A summary of historic small game hunting season regulations follows.

Table 1. Historic small game regulations, Kansas, 1957-2019.

Years	Season Dates	Daily Bag	Possession	Open Area
<b><u>DOVE</u></b>				
2016-2019	Sept. 1 – Nov. 29th	15	45	statewide
2015	Sept. 1 - Oct. 31, and Nov. 7-15	15	45	statewide
2014	Sept. 1 - Nov. 9	15	45	statewide
2013	Sept. 1 - Oct. 31, and Nov. 3-11	15	45	statewide
2012	Sept. 1 - Oct. 31, and Nov. 3-11	15	30	statewide
2010 - 2011	Sept. 1 - Oct. 31, and Nov. 5 - 13	15	30	statewide
2009	Sept. 1 - Oct. 31, and Nov. 7 - 15	15	30	statewide
2004 - 2008	Sept. 1 - Oct. 14, and Nov. 1 - 16	15	30	statewide
2003	Sept. 1 - Oct. 28 and Nov. 8-9	15	30	statewide
2002	Sept. 1 - Oct. 28 and Nov. 9-11	15	30	statewide
1983 - 2001	Sept. 1 - Oct. 30	15	30	statewide
1982	Sept. 1-Nov. 9	12	24	statewide
1981	Sept. 1 - Oct. 30	12	24	statewide
1969-1980	Sept. 1 - Oct. 30	10	20	statewide
1964-1968	Sept. 1 - Oct. 30	12	24	statewide
1963	Sept. 1 - Oct. 30	10	20	statewide
1962	Sept. 1 - Oct. 30	12	24	statewide
1960-1961	Sept. 1 - Oct. 30	15	30	statewide
1958-1959	Sept. 1 - Oct. 30	10	20	statewide
1956-1957	Sept. 1 - Oct. 30	10	10	statewide
<b><u>QUAIL</u></b>				
2008 - 2019	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 - 2019	2nd Sat. in Nov. to Jan. 31	4	16	statewide
2006 - 2008	1st Sat. in Nov. to Jan. 31	4	16	statewide
1985 - 2005	2nd Sat. in Nov. to Jan. 31	4	16	statewide
1984	2nd Sat. in Nov. to Jan. 31	4	8	statewide
1982-1983	2nd Sat. in Nov. to Jan. 31	4	16	statewide
1981	Nov. 14-Feb 15	4	16	statewide
1980	Nov. 8-Jan. 25	4	16	statewide
1979	Nov. 10-Jan. 27	4	16	statewide
1978	Nov. 11-Jan. 28	3	9	Statewide except for S. of US 54 & E. of US 169
1977	Nov. 5-Jan 8	3	9	Statewide except for S. of US 54 & E. of US 170
1976	Nov. 13-Jan. 31	4	12	statewide
1975	Nov. 8-Jan. 11	3	9	statewide
1974	Nov. 9-Dec. 6, Dec. 16- Jan. 31	4	12	statewide
1973	Nov. 10-Jan. 31	4	12	statewide
1972	Nov. 11-Jan. 14	3	12	statewide
1971	Nov. 13-Jan 13	3	12	statewide
1970	Nov. 21-Dec. 31 Zn. 1 (east of US 81), Nov.14-Dec. 31 Zn. 2 (west of US 81)	3	12	statewide
1969	Nov. 15-Dec. 31 Zn. 1 (east of US 81), Nov.8-Dec. 31 Zn. 2 (west of US 81)	3	12	2 Zones, Statewide
1968	Nov.16-Dec. 8, 21-29 Zn. 1, Nov. 9-Dec. 8, 21-29 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1967	Nov. 18-Dec. 3; Dec. 16-31 Zn. 1, Nov. 11-26; Dec. 16-31 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1966	Nov. 19-27; Dec. 17-Jan. 8 Zn. 1, Nov. 12-27; Dec. 17-Jan. 8 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1965	Nov. 20-28, Dec. 18-31 Zn. 1, Nov. 13-28, Dec. 18-31 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 85 counties
1964	Nov. 14-Dec. 27 Zn. 1, Nov. 9-Dec. 8 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 84 counties
1963	Nov. 9-24 Zn. 1, Nov. 9-Dec. 8 Zn. 2	2 (Zn 1) & 3 (Zn 2)	4 & 6	2 Zones in 84 counties
1962	Nov. 10-25, Zn. 1 - 4, Dec 8-31 Zn. 2 & 3	3 (Zn. 1&4) 5 (Zn. 2&3)	6 & 10	4 Zones in 81 counties, ≤ 1 hen in bag
1961	Nov. 11-Dec 17	5	10	HP,KM,RN,HV,MP,DK,CY,RL, WS and all counties west (64 co's). ≤ 1 hen in bag
1960	Nov. 5-30	4	8	HP,KM,RN,HV,MP SA,DK,CY, WS and all counties west (63 co's).
1959	Nov. 7-26	4	8	HP,KM,RN,HV,MP,SA,OT,CY, WS and all counties west (62 co's).

1958	Nov. 7-11	4	8	Same co's as 1957
1957	Nov. 9-12	3	6	HP,KM,PR,SF,RC,EW,LC,OT,CY,WS, and all counties west (59 co's).
<b><u>PRAIRIE CHICKEN</u></b>				
2015-2019	Early Sep. 15-Oct.15, Regular 3rd Sat. Nov. to Jan. 31,	2	8	Greater Prairie Chicken unit
2012-2013	Early Sep. 15-Oct.15, Regular 3rd Sat. Nov. to Jan. 31, SW Zone 3rd Sat. Nov.-Dec. 31	Regular 2, SW 1	Regular 8, SW 4	East and NW Unit Early, Statewide Reg. Season, SW Unit
2005 - 2011	Early Sep. 15-Oct.15, Regular 3rd Sat. Nov. to Jan. 31, SW Zone 3rd Sat. Nov.-Dec. 31	Regular 2, SW 1	Regular 8, SW 4	East Unit Early, Statewide Reg. Season, SW Unit
1995 - 2004	Early Sep. 15-Oct.15, Regular 1st Sat. Nov. to Jan. 31, SW Zone Dec. 1-Jan. 31	Regular 2, SW 1	Regular 8, SW 4	East Unit Early, Statewide Reg. Season
1992 - 1994	Regular early Sep. 15-Oct. 15, Regular 1st Sat. in Nov. to Jan. 31	2	8	East Unit Early, Early season PR, CA, and MT Co., Statewide Reg. Season
1991	Early 4th Sat. Sep.-Oct. 20, Regular 1st Sat. in Nov. to Jan. 31	2	6	East Unit Early, Statewide Regular Season
1989 - 1990	Early 4th Sat. Sep.-Oct. 15, Regular 1st Sat. in Nov. to Jan. 31	2	6	East Unit Early, Statewide Regular Season
1986 - 1988	1st Sat. in Nov. to Jan. 31	2	6	statewide
1985	Nov. 2-Jan. 31	2	6	Stwd. excpt. RA. Co. closed
1984	Nov. 3-Jan. 31	2	4	Statewide
1983	Nov. 5-Jan. 31	2	6	Statewide
1982	Nov. 6-Jan. 31	2	6	Statewide
1981	Nov. 7-Feb. 15	2	6	Statewide
1980	Nov. 1-Dec. 31	2	6	Statewide
1979	Nov. 3-Dec. 31, Nov. 4-Dec. 17 SW Zone	2	6	Statewide, less E. of US 81
1978	Nov. 4-Dec. 3 Regular, Nov. 12-Dec. 18 SW Zone	2	6	E. of US 81, West of US 81
1977	Nov. 12- Dec. 4 Regular	2	6	W. of US 81 & SE KS. S. of US 54 & E. of US 169.
<b><u>COTTONTAIL</u></b>				
1993 - 2019	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
<b><u>SQUIRREL</u></b>				
1997 - 2019	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 - 2019.

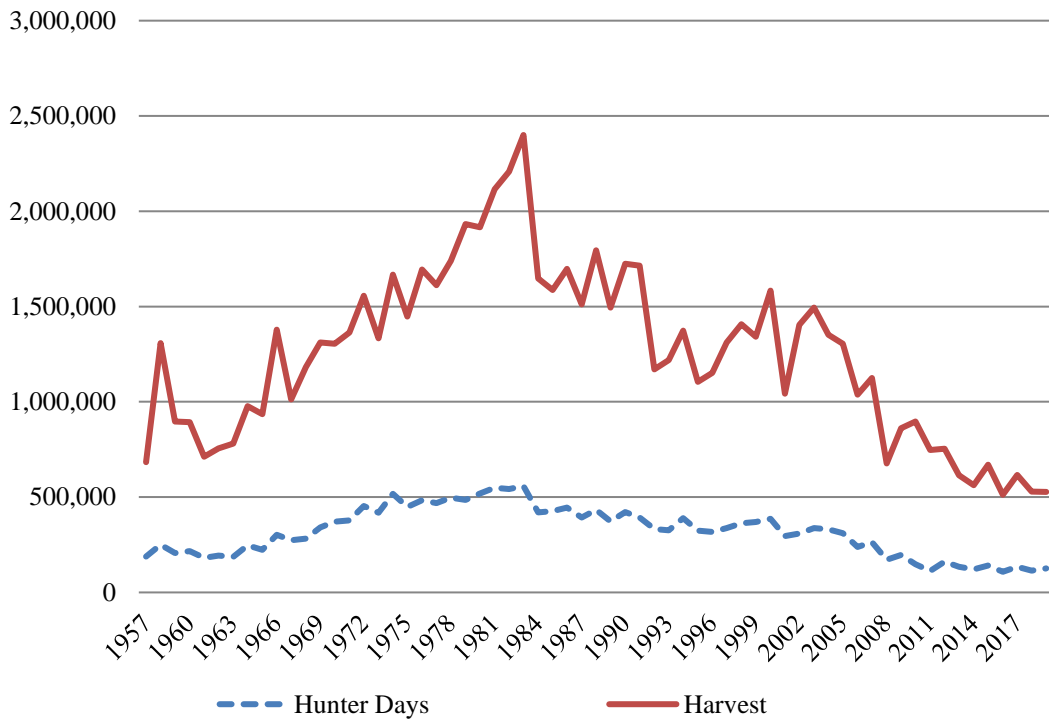


Table 2: Estimated Annual **DOVE** hunting Activity

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
1970	35	74,200	371,000	1,304,000	5.00	17.57	3.51
1971	39	81,200	378,000	1,363,000	4.66	16.79	3.75
1972	41	85,900	454,000	1,556,000	5.29	18.11	3.78
1973	36	78,200	419,000	1,333,000	5.36	17.05	3.60
1974	44	94,300	517,000	1,668,000	5.48	17.69	3.50
1975	43	86,000	448,000	1,448,000	5.21	16.84	3.49
1976	44	89,700	483,000	1,694,000	5.39	18.89	3.75
1977	43	89,200	469,000	1,612,000	5.26	18.06	3.69
1978	42	89,300	497,000	1,739,000	5.56	19.45	4.14
<sup>c</sup> 1979	43	98,700	486,000	1,933,000	4.92	19.59	4.51
1980	45	104,100	519,000	1,916,000	4.99	18.41	3.93
1981	44	103,000	549,000	2,115,000	5.33	20.54	3.95
1982	43	107,300	543,000	2,208,000	5.06	20.58	4.23
1983	44	104,900	558,000	2,400,000	5.32	23.06	4.49
1984	45	85,900	420,000	1,647,000	4.89	19.17	4.27
1985	45	84,200	426,000	1,586,000	5.05	18.84	3.83
1986	47	91,300	445,000	1,697,000	4.88	18.58	3.95
1987	42	83,100	393,000	1,512,000	4.73	18.18	3.93
1988	48	92,000	434,000	1,795,000	4.67	19.32	4.21
1989	45	79,600	373,000	1,495,000	4.69	18.79	4.12
1990	44	79,100	421,000	1,724,000	5.32	21.79	4.27
1991	45	83,100	393,000	1,714,000	4.73	20.63	4.44
1992	43	73,100	333,000	1,170,000	4.55	16.00	3.62
1993	41	72,000	326,000	1,219,000	4.53	16.94	3.80
1994	41	77,400	389,000	1,373,000	5.02	17.74	3.78
1995	41	74,400	324,000	1,105,000	4.35	14.86	3.35
1996	44	70,100	318,000	1,152,000	4.54	16.44	3.64
1997	43	71,700	337,000	1,312,000	4.69	18.29	4.20
1998	43	73,800	362,000	1,408,000	4.91	19.08	4.05
1999	40	71,200	370,000	1,342,000	5.19	18.83	3.87
2000	43	80,300	386,000	1,584,000	4.81	19.72	4.31
2001	42	69,900	295,000	1,042,000	4.23	14.90	3.74
2002	44	70,600	309,800	1,404,600	4.39	19.89	4.54
2003	44	73,500	338,000	1,494,000	4.60	20.34	4.72
2004	42	72,300	331,000	1,352,000	4.58	18.71	4.45
2005	38	66,500	310,000	1,305,000	4.67	19.63	4.42
<sup>d</sup> 2006	32	52,200	238,000	1,038,000	4.55	19.86	4.69
2007	36	56,600	263,000	1,125,000	4.63	19.87	4.57
2008	29	39,500	171,000	676,000	4.19	16.46	4.08
2009	26	44,200	197,000	861,000	4.47	19.48	4.65
2010	30	44,656	148,453	896,287	4.55	20.07	4.69
2011	31	38,429	112,355	747,538	4.24	19.45	4.80
2012	36	37,791	161,439	753,390	4.27	19.94	5.00
2013	35	31,592	134,139	614,371	4.25	19.45	4.97
2014	30	29,248	120,769	562,188	4.13	19.22	5.33
2015	32	33,340	141,490	669,303	4.24	20.08	4.97
2016	24	26,799	108,252	512,441	4.04	19.12	5.02
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
2019	23	32,109	125,837	528,069	3.92	16.45	4.62

\*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 - 2019.

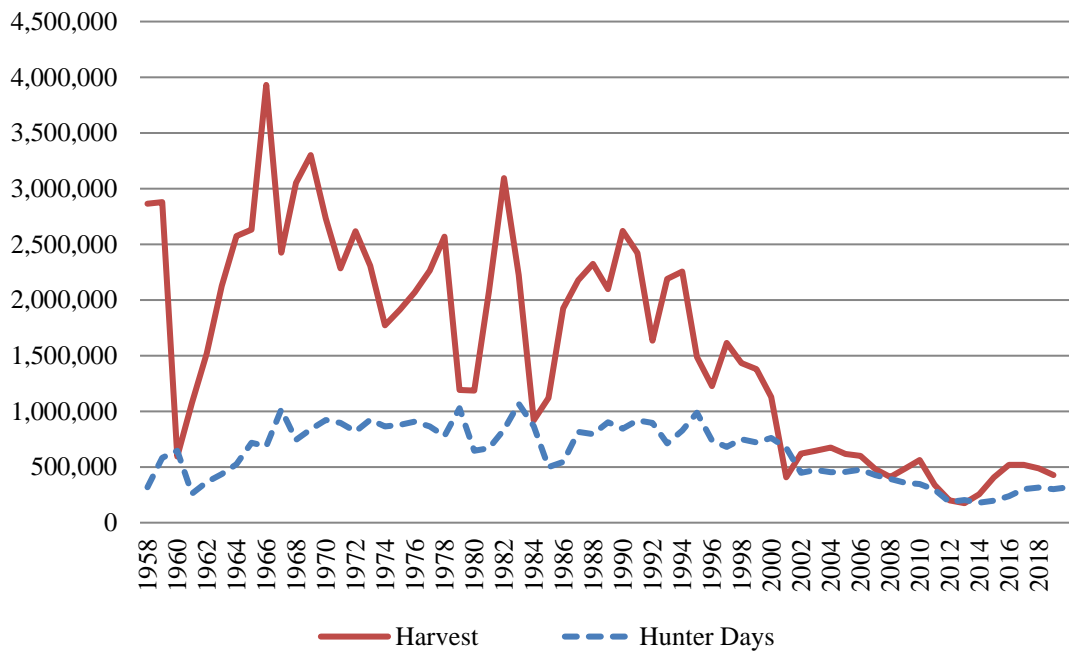


Table 3: Estimated Annual QUAIL hunting Activity

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
1970	76	160,200	897,000	2,733,000	5.60	17.06	3.04
1971	75	155,300	818,000	2,284,000	5.27	14.71	2.56
1972	75	158,200	924,000	2,618,000	5.84	16.55	2.73
1973	71	152,700	864,000	2,307,000	5.66	15.11	2.70
1974	72	152,000	879,000	1,772,000	5.78	11.66	2.06
1975	74	148,200	906,000	1,912,000	6.11	12.90	2.27
1976	73	148,700	864,000	2,068,000	5.81	13.91	2.43
1977	74	152,300	778,000	2,263,000	5.11	14.86	2.72
1978	75	161,000	1,027,000	2,569,000	6.38	15.96	2.70
<sup>c</sup> 1979	55	125,600	646,000	1,193,000	5.14	9.50	1.90
1980	55	126,800	668,000	1,186,000	5.27	9.35	1.84
1981	61	142,900	836,000	2,076,000	5.85	14.53	2.40
1982	67	166,600	1,068,000	3,094,000	6.41	18.57	2.88
1983	64	153,100	867,000	2,223,000	5.66	14.53	2.50
1984	52	99,000	500,000	920,000	5.04	9.29	1.90
1985	53	97,400	546,000	1,121,000	5.60	11.50	1.91
1986	63	122,200	815,000	1,925,000	6.67	15.75	2.31
1987	66	128,200	796,000	2,177,000	6.21	16.98	2.68
1988	68	132,700	901,000	2,324,000	6.79	17.52	2.51
1989	68	121,100	845,000	2,096,000	6.98	17.32	2.44
1990	73	130,500	920,000	2,620,000	7.05	20.07	2.82
1991	73	134,200	897,000	2,423,000	6.69	18.05	2.54
1992	70	120,900	713,000	1,635,000	5.90	13.52	2.23
1993	72	126,400	828,000	2,190,000	6.55	17.33	2.51
1994	74	141,700	987,000	2,256,000	6.96	15.92	2.18
1995	70	125,400	738,000	1,487,000	5.88	11.86	1.97
1996	69	110,000	679,000	1,225,000	6.17	11.13	1.74
1997	70	116,400	748,000	1,615,000	6.43	13.87	2.12
1998	67	115,500	721,000	1,432,000	6.24	12.40	1.96
1999	65	117,600	760,000	1,378,000	6.46	11.72	1.83
2000	61	114,100	673,000	1,129,000	5.90	9.89	1.64
2001	55	91,300	448,000	408,000	4.91	4.47	0.92
2002	53	84,900	473,000	621,000	5.57	7.32	1.36
2003	54	91,000	452,000	647,000	4.97	7.11	1.46
2004	52	90,000	456,000	674,000	5.07	7.49	1.50
2005	52	90,900	475,000	616,000	5.23	6.78	1.39
<sup>d</sup> 2006	50	80,900	428,000	600,000	5.29	7.41	1.39
2007	48	73,600	394,000	481,000	5.35	6.55	1.28
2008	51	69,800	358,000	410,000	4.98	5.66	1.16
2009	47	72,900	346,000	485,000	4.75	6.66	1.43
2010	51	77,407	295,405	561,430	5.22	7.25	1.48
2011	47	59,153	186,181	339,495	4.57	5.74	1.27
2012	43	44,885	204,308	199,661	4.55	4.45	1.03
2013	42	38,351	179,476	174,970	4.68	4.56	1.08
2014	44	43,622	197,531	253,869	4.53	5.82	1.31
2015	52	54,561	238,390	407,851	4.37	7.48	1.66
2016	56	62,653	300,441	519,795	4.80	8.30	1.68
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
2019	46	64,710	316,743	427,892	4.89	6.61	1.40

\*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 - 2019.

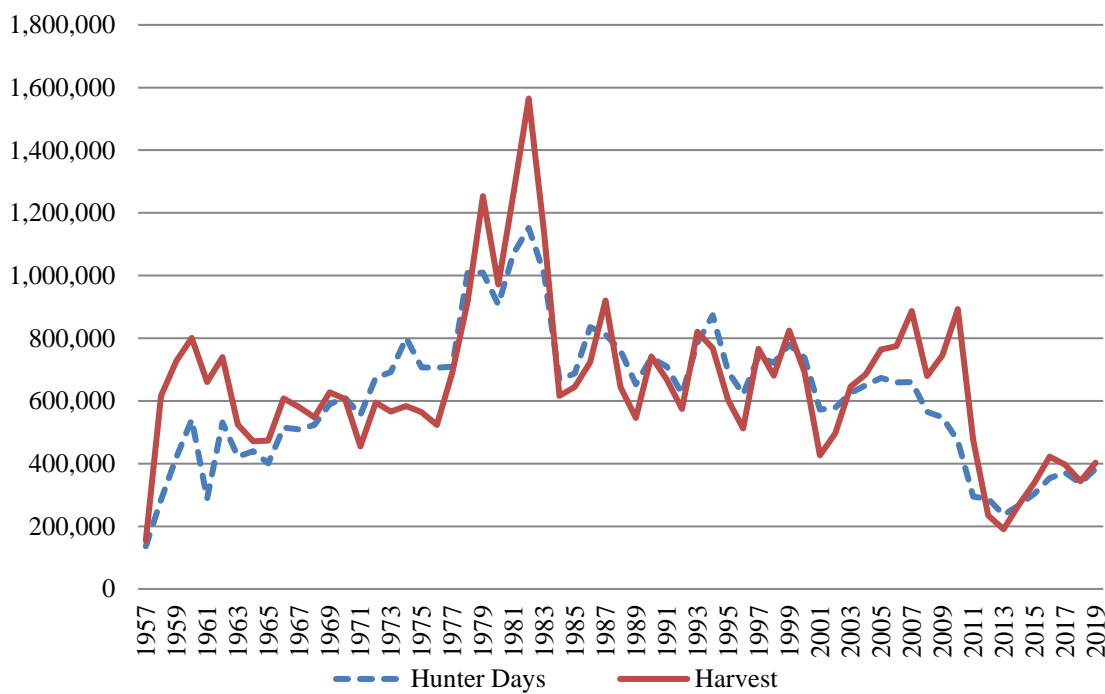


Table 4: Estimated Annual PHEASANT hunting Activity

Season	Percent Hunting Species	Est. Total Hunters	Est. Total Days	Est. <sup>a</sup> Total Harvest	Season Days Per Hunter	Season <sup>a</sup> Bag Per Hunter	Avg <sup>a</sup> Bag Per Day
1970	71	150,700	610,000	606,000	4.05	4.02	0.99
1971	68	141,700	555,000	455,000	3.92	3.21	0.96
1972	67	142,800	674,000	595,000	4.72	4.17	1.03
1973	65	139,700	692,000	566,000	4.95	4.05	0.96
1974	71	150,200	801,000	584,000	5.33	3.89	0.85
1975	71	141,100	707,000	564,000	5.01	3.97	0.92
1976	72	145,200	706,000	523,000	4.86	3.60	0.90
1977	72	148,400	709,000	690,000	4.78	4.65	1.09
1978	78	168,000	1,008,000	916,000	6.00	5.46	1.11
<sup>d</sup> 1979	78	177,900	1,009,000	1,253,000	5.67	7.05	1.41
1980	77	176,200	907,000	972,000	5.15	5.52	1.19
1981	78	183,200	1,070,000	1,260,000	5.84	6.88	1.36
1982	79	195,600	1,152,000	1,565,000	5.89	8.00	1.51
1983	76	183,600	1,006,000	1,138,000	5.48	6.20	1.28
1984	72	135,700	668,000	616,000	4.92	4.54	1.07
1985	74	136,600	688,000	645,000	5.03	4.72	1.02
1986	74	143,100	836,000	723,000	5.84	5.06	1.01
1987	76	149,600	812,000	921,000	5.43	6.16	1.21
1988	75	144,400	760,000	644,000	5.26	4.46	1.00
1989	70	124,900	653,000	546,000	5.23	4.37	0.96
1990	74	133,000	738,000	742,000	5.55	5.58	1.14
1991	75	138,400	710,000	669,000	5.13	4.83	1.08
1992	73	126,100	622,000	574,000	4.93	4.55	0.99
1993	77	134,400	785,000	820,000	5.84	6.10	1.18
1994	76	145,300	874,000	768,000	6.02	5.28	1.07
1995	74	133,500	694,000	603,000	5.20	4.52	0.96
1996	70	111,700	621,000	512,000	5.56	4.59	0.94
1997	75	124,800	742,000	766,000	5.94	6.13	1.15
1998	73	125,800	721,000	681,000	5.73	5.41	1.01
1999	74	133,700	780,000	824,000	5.83	6.16	1.18
2000	72	133,400	738,000	692,000	5.53	5.19	1.00
2001	70	116,600	572,000	426,000	4.91	3.66	0.82
2002	67	106,800	578,000	497,000	5.41	4.65	0.93
2003	70	117,000	625,000	646,000	5.34	5.52	1.13
2004	71	123,800	650,000	685,000	5.25	5.53	1.11
2005	71	124,700	673,000	764,000	5.40	6.12	1.20
<sup>c</sup> 2006	75	120,900	659,000	774,000	5.44	6.39	1.26
2007	78	117,100	660,000	887,000	5.64	7.58	1.41
2008	80	108,100	565,000	680,000	5.08	6.05	1.23
2009	75	112,400	548,000	746,000	4.87	6.62	1.39
2010	82	123,764	472,494	892,672	5.22	7.21	1.46
2011	74	93,135	294,556	475,170	4.59	5.10	1.19
2012	64	67,273	287,540	233,981	4.27	3.48	0.91
2013	60	54,400	236,661	190,285	4.35	3.50	0.95
2014	63	62,774	266,855	269,476	4.25	4.29	1.14
2015	69	72,202	303,434	338,717	4.20	4.69	1.22
2016	72	79,523	353,441	422,621	4.44	5.31	1.30
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
2019	61	85,444	383,334	402,501	4.49	4.71	1.21

\*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, 1957-2019.

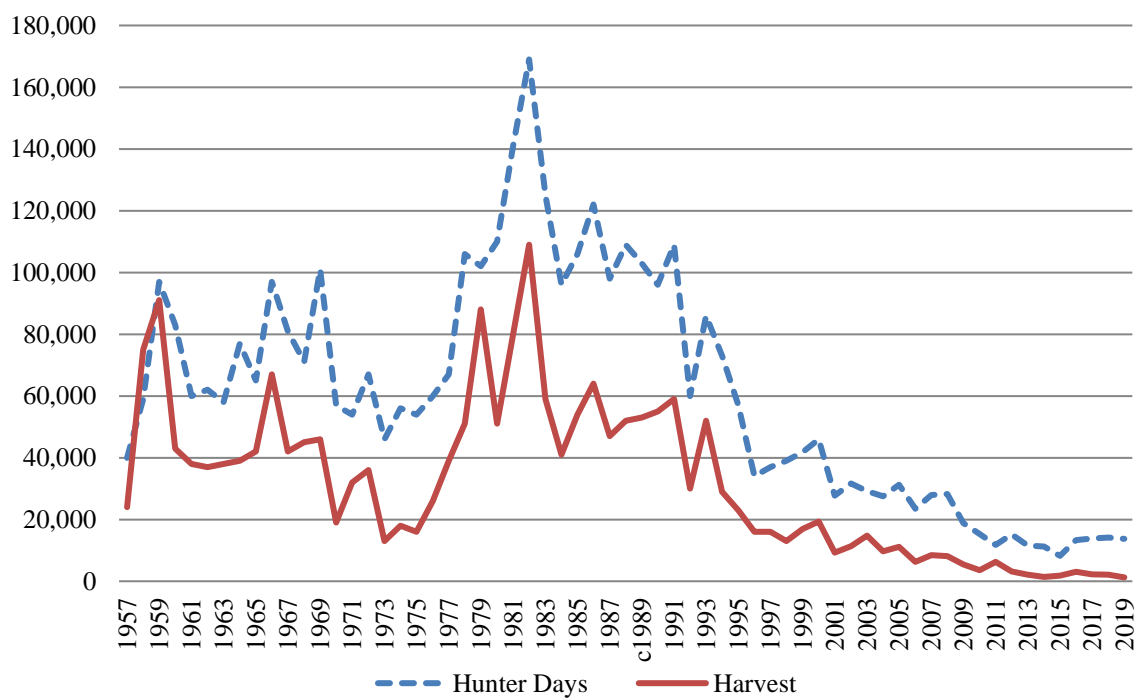


Table 5: Estimated Annual **GREATER PRAIRIE CHICKEN** hunting Activity

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
1970	17	35,300	57,000	19,000	1.62	0.53	0.33
1971	16	32,700	54,000	32,000	1.65	0.98	0.60
1972	16	34,000	67,000	36,000	1.96	1.06	0.54
1973	9	18,700	46,000	13,000	2.45	0.71	0.29
1974	10	20,200	56,000	18,000	2.75	0.91	0.33
1975	9	17,100	54,000	16,000	3.16	0.92	0.29
1976	11	21,800	60,000	26,000	2.75	1.19	0.44
1977	11	22,800	67,000	39,000	2.92	1.71	0.59
1978	16	34,100	106,000	51,000	3.12	1.49	0.50
<sup>c</sup> 1979	16	36,100	102,000	88,000	2.83	2.45	<sup>b</sup> 0.87
1980	16	37,000	110,000	51,000	2.98	1.37	0.49
1981	19	45,400	141,000	80,000	3.11	1.76	0.57
1982	21	53,100	169,000	109,000	3.18	2.05	0.70
1983	17	41,100	125,000	59,000	3.04	1.44	0.50
1984	16	30,000	96,000	41,000	3.20	1.38	0.45
1985	16	30,100	106,000	54,000	3.52	1.78	0.52
1986	17	33,900	122,000	64,000	3.61	1.90	0.54
1987	15	30,000	98,000	47,000	3.26	1.58	0.52
1988	17	32,700	109,000	52,000	3.35	1.59	0.46
<sup>d</sup> 2006	14	25,600	103,000	53,000	4.11	2.15	0.53
1990	15	26,000	96,000	55,000	3.67	2.09	0.55
1991	14	24,800	109,000	59,000	4.49	2.50	0.56
1992	11	18,700	60,000	30,000	3.28	1.65	0.52
1993	12	21,400	86,000	52,000	3.92	2.40	0.57
1994	10	19,100	73,000	29,000	3.87	1.52	0.47
1995	9	15,400	57,000	23,000	3.70	1.50	0.43
1996	7	11,400	34,000	16,000	3.01	1.36	0.44
1997	7	11,100	37,000	16,000	3.32	1.41	0.51
1998	6	11,000	39,000	13,000	3.49	1.21	0.46
1999	6	10,100	41,800	16,900	4.14	1.67	0.48
2000	6	11,400	46,000	19,300	4.42	1.36	0.43
2001	5	8,100	27,700	9,300	3.44	1.15	0.37
2002	5	8,600	31,700	11,400	3.68	1.31	0.42
2003	5	7,740	29,200	14,800	3.78	1.91	0.54
2004	5	9,530	27,500	9,700	2.86	1.02	0.45
2005	4	6,230	31,300	11,100	5.02	1.79	0.40
<sup>e</sup> 2006	4	5,640	23,500	6,300	4.17	1.11	0.34
2007	5	7,630	27,890	8,500	3.66	1.22	0.31
2008	5	7,350	28,250	8,100	3.46	0.88	0.32
2009	3	4,870	18,810	5,400	3.94	1.24	0.39
2010	3	5,102	15,278	3,588	4.10	0.70	0.30
2011	4	5,454	11,800	6,251	3.14	0.93	0.30
<sup>f</sup> 2006	3	4,155	15,179	3,195	3.47	1.01	0.29
2013	4	3,417	11,594	2,126	3.39	0.62	0.28
2014	3	3,160	11,266	1,443	3.57	0.46	0.20
2015	2	2,557	8,218	1,826	3.21	0.71	0.23
2016	3	3,264	13,296	3,022	4.07	0.93	0.27
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
2019	3	3,851	13,774	1,249	3.58	0.32	0.13

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

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

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

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



## Kansas Cottontail Harvest, 1958 - 2019.

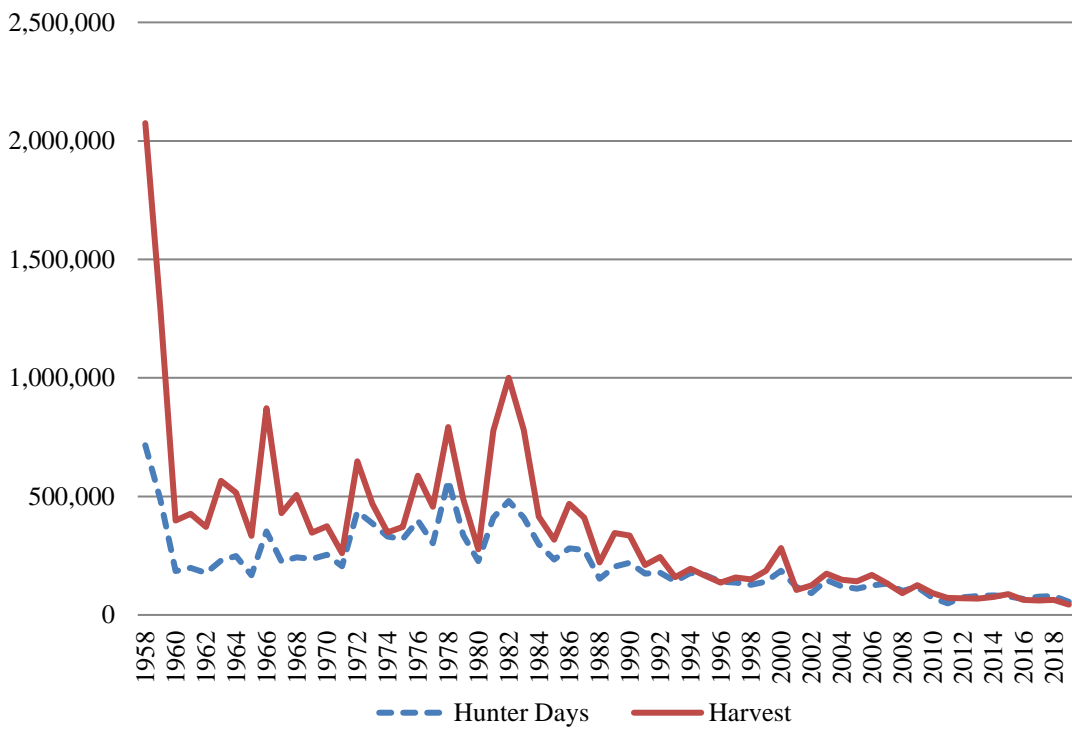


Table 6: Estimated Annual **COTTONTAIL** hunting Activity

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
1970	29	60,300	254,000	374,000	4.21	6.21	1.48
1971	24	49,100	206,000	261,000	4.20	5.31	1.69
1972	41	86,700	436,000	648,000	5.03	7.47	1.93
1973	32	69,300	386,000	469,000	5.57	6.77	1.68
1974	32	67,100	331,000	348,000	4.94	5.36	1.45
1975	32	63,900	320,000	371,000	5.01	5.81	1.65
1976	38	76,500	399,000	587,000	5.21	7.67	1.89
1977	33	67,900	303,000	456,000	4.46	6.71	1.94
1978	41	87,400	568,000	792,000	6.50	9.07	2.21
<sup>c</sup> 1979	35	79,700	336,000	489,000	4.22	6.13	1.96
1980	22	49,900	227,000	277,000	4.55	5.56	1.50
1981	36	84,100	410,000	778,000	4.88	9.26	2.26
1982	37	92,500	481,000	1,001,000	5.20	10.83	2.67
1983	32	77,500	410,000	781,000	5.29	10.09	2.32
1984	29	55,700	299,000	415,000	5.37	7.46	1.70
1985	24	45,000	234,000	317,000	5.20	7.04	1.71
1986	32	62,800	281,000	469,000	4.47	7.46	2.10
1987	28	55,600	274,000	410,000	4.92	7.38	2.01
1988	17	32,000	153,000	221,000	4.79	6.90	1.77
1989	24	41,900	204,000	346,000	4.86	8.25	1.87
1990	27	47,500	220,000	335,000	4.63	7.05	1.96
1991	18	33,100	174,000	211,000	5.26	6.36	1.73
1992	24	40,900	178,000	245,000	4.35	5.99	1.66
1993	17	29,500	142,000	160,000	4.81	5.42	1.53
1994	19	35,900	177,000	195,000	4.92	5.44	1.52
1995	19	34,000	168,000	165,000	4.95	4.85	1.25
1996	18	28,700	141,000	136,000	4.90	4.72	1.32
1997	16	27,200	136,000	158,000	5.01	5.82	1.58
1998	14	24,300	127,000	150,000	5.22	6.17	1.67
1999	15	27,800	141,000	187,000	5.07	6.75	1.61
2000	19	36,100	187,000	282,000	5.18	7.81	1.95
2001	13	21,200	118,000	106,000	5.56	4.98	1.21
2002	13	20,900	92,000	124,000	4.43	5.95	1.49
2003	15	25,200	147,000	174,000	5.83	6.90	1.55
2004	13	23,300	120,000	149,000	5.14	6.40	1.68
2005	12	21,700	111,000	142,000	5.13	6.56	1.57
<sup>d</sup> 2006	13	21,400	125,000	169,000	5.85	7.87	1.56
2007	14	22,200	132,000	132,000	5.96	5.95	1.23
2008	13	17,300	102,000	92,000	5.72	5.11	1.10
2009	13	21,000	117,000	126,000	5.57	6.01	1.52
2010	12	18,432	72,014	91,287	5.34	4.95	1.29
2011	12	14,977	48,847	71,068	4.73	4.75	1.24
2012	14	14,608	74,786	70,240	5.12	4.81	1.10
2013	15	13,872	79,309	69,183	5.72	4.99	1.06
2014	14	13,410	82,850	75,259	6.18	5.61	1.31
2015	15	15,545	78,594	87,287	5.06	5.62	1.32
2016	11	12,411	67,709	62,975	5.46	5.07	1.12
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
2019	8	10,703	55,440	43,707	5.18	4.08	0.82

\*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 - 2019.

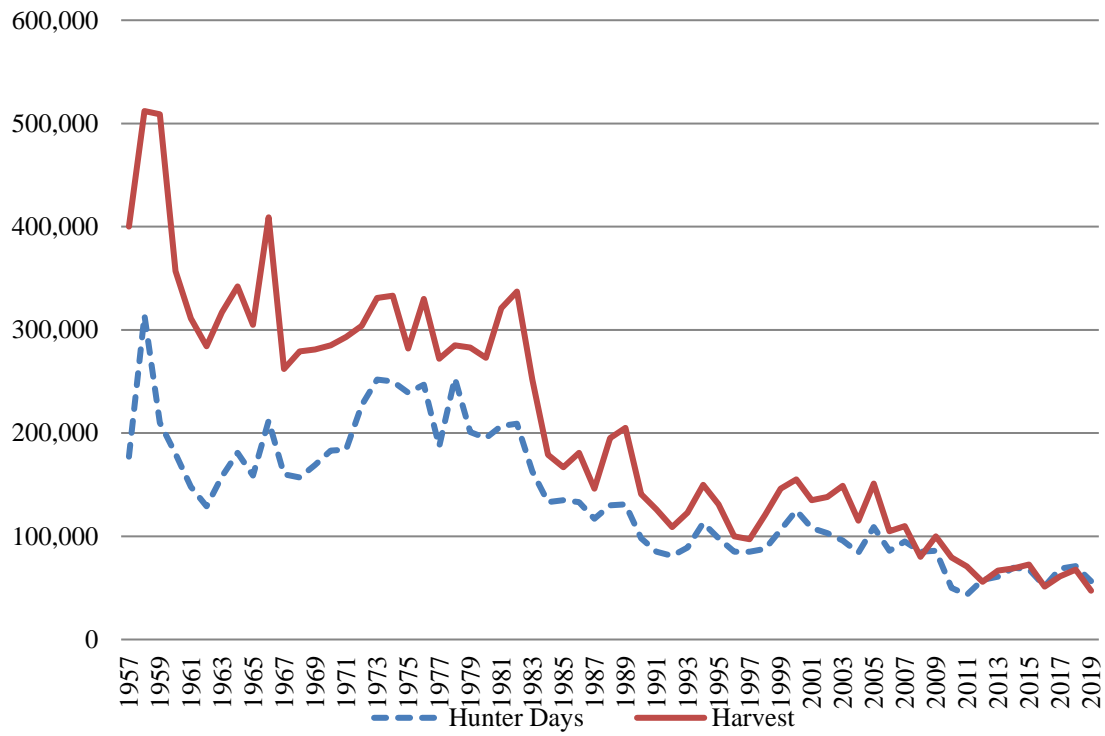


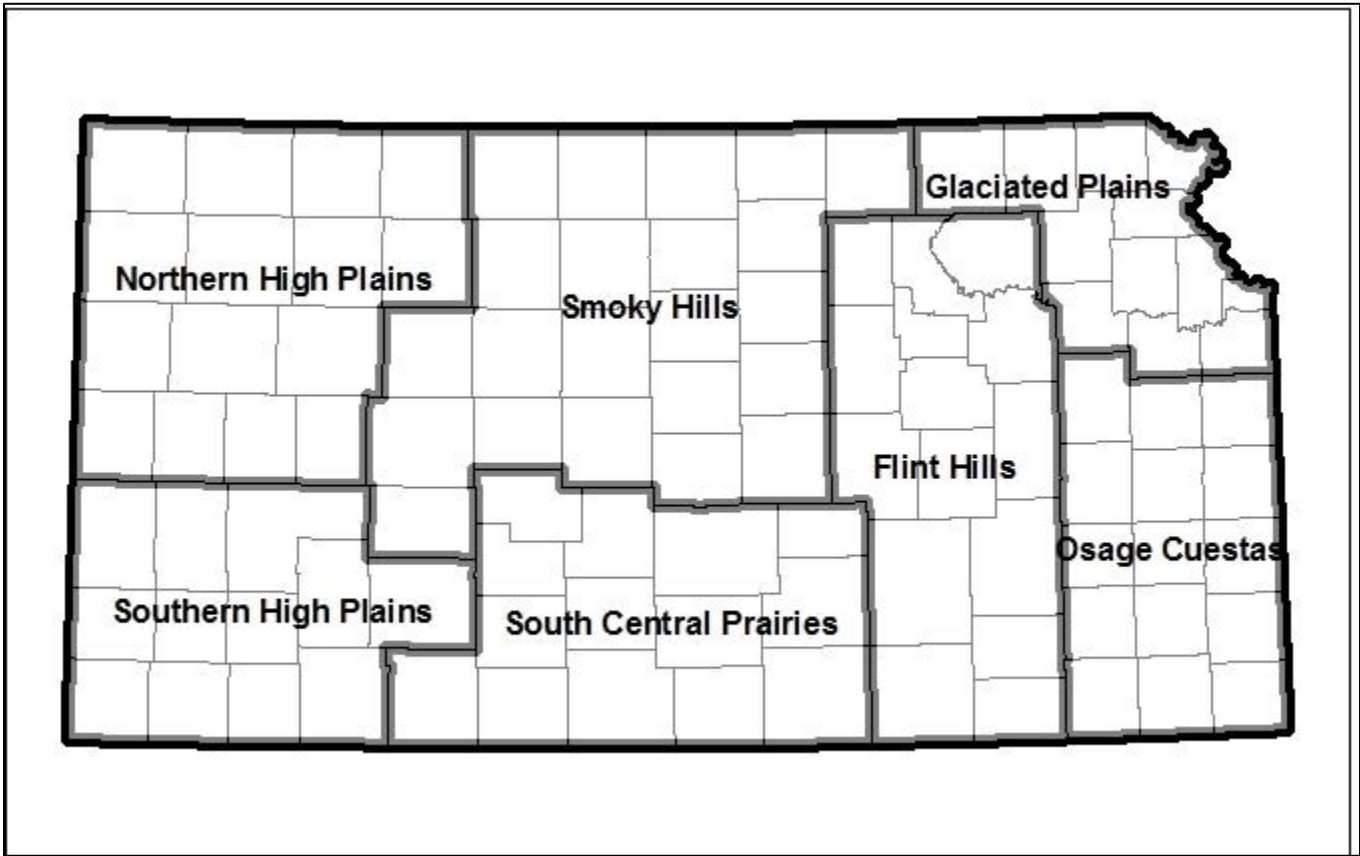
Table 7: Estimated Annual **SQUIRREL** hunting Activity

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
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
2019	9	12,494	56,515	47,290	4.52	3.78	1.06

\*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 2019-2020

Table 8: All Hunter Activity for Dove, 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	717	22.8		32,109	125,837	528,069	49,390	3.92	16.45	4.62
Northern High Plains	62	2.0	8.6	2,776	10,972	53,246	19,359	3.95	19.18	5.33
Southern High Plains	59	1.9	8.2	2,642	11,240	37,527	9,561	4.25	14.20	4.36
Smoky Hills	208	6.6	29.0	9,315	40,841	205,012	26,001	4.38	22.01	5.76
South-Central Prairies	120	3.8	16.7	5,374	20,689	102,954	19,968	3.85	19.16	5.39
Flint Hills	102	3.2	14.2	4,568	15,808	55,754	25,115	3.46	12.21	3.71
Glaciated Plains	85	2.7	11.9	3,806	13,748	42,498	11,549	3.61	11.16	3.24
Osage Cuestas	78	2.5	10.9	3,493	11,554	29,870	8,042	3.31	8.55	2.85
Region Unknown	3	0.1	0.4	134	985	1,209	3,849	7.33	9.00	1.57
Resident										
State	633	34.5		33,867	136,806	556,372	56,461	4.04	16.43	4.50
Northern High Plains	46	2.5	7.3	2,461	10,754	52,379	22,406	4.37	21.28	5.58
Southern High Plains	53	2.9	8.4	2,836	12,413	40,715	10,889	4.38	14.36	4.41
Smoky Hills	179	9.8	28.3	9,577	43,551	212,993	28,671	4.55	22.24	5.69
South-Central Prairies	106	5.8	16.7	5,671	22,953	106,523	23,170	4.05	18.78	4.95
Flint Hills	93	5.1	14.7	4,976	17,602	60,137	29,173	3.54	12.09	3.65
Glaciated Plains	82	4.5	13.0	4,387	15,997	49,597	13,768	3.65	11.30	3.27
Osage Cuestas	72	3.9	11.4	3,852	12,894	33,760	9,487	3.35	8.76	2.86
Region Unknown	2	0.1	0.3	107	642	268	3,399	6.00	2.50	1.25
Non-Resident										
State	84	6.4		2,871	8,646	47,604	11,194	3.01	16.58	5.51
Northern High Plains	16	1.2	19.0	547	1,504	7,176	4,050	2.75	13.13	4.61
Southern High Plains	6	0.5	7.1	205	649	2,631	3,161	3.17	12.83	3.90
Smoky Hills	29	2.2	34.5	991	3,349	20,402	8,097	3.38	20.59	6.15
South-Central Prairies	14	1.1	16.7	478	1,128	10,525	4,129	2.36	22.00	8.70
Flint Hills	9	0.7	10.7	308	820	4,135	5,646	2.67	13.44	4.33
Glaciated Plains	3	0.2	3.6	103	273	752	1,282	2.67	7.33	2.56
Osage Cuestas	6	0.5	7.1	205	581	1,230	1,319	2.83	6.00	2.70
Region Unknown	1	0.1	1.2	34	342	752	NE	10.00	22.00	2.20

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

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

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

Table 9: All Hunter Activity for Quail, 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1,445	45.9		64,710	316,743	436,580	39,113	4.89	6.75	1.46
Northern High Plains	169	5.4	11.7	7,568	35,691	38,692	9,187	4.72	5.11	1.05
Southern High Plains	196	6.2	13.6	8,777	42,498	74,696	19,865	4.84	8.51	2.48
Smoky Hills	568	18.0	39.3	25,436	129,599	170,440	24,163	5.10	6.70	1.25
South-Central Prairies	237	7.5	16.4	10,613	52,619	86,385	18,139	4.96	8.14	1.57
Flint Hills	145	4.6	10.0	6,493	30,452	32,467	7,995	4.69	5.00	1.30
Glaciated Plains	53	1.7	3.7	2,373	9,628	12,629	3,935	4.06	5.32	1.59
Osage Cuestas	70	2.2	4.8	3,135	14,823	19,301	7,391	4.73	6.16	1.19
Region Unknown	7	0.2	0.5	313	1,433	1,970	3,321	4.57	6.29	1.44
Resident										
State	835	45.5		44,675	240,119	308,334	39,134	5.37	6.90	1.45
Northern High Plains	83	4.5	9.9	4,441	21,775	26,805	8,386	4.90	6.04	1.25
Southern High Plains	94	5.1	11.3	5,029	30,496	45,263	18,647	6.06	9.00	3.25
Smoky Hills	308	16.8	36.9	16,479	90,045	112,462	24,772	5.46	6.82	1.10
South-Central Prairies	133	7.3	15.9	7,116	42,053	63,293	18,625	5.91	8.89	1.42
Flint Hills	111	6.1	13.3	5,939	30,389	30,978	9,150	5.12	5.22	1.32
Glaciated Plains	46	2.5	5.5	2,461	9,684	12,038	4,051	3.93	4.89	1.50
Osage Cuestas	57	3.1	6.8	3,050	15,195	17,281	8,167	4.98	5.67	1.04
Region Unknown	3	0.2	0.4	161	482	214	921	3.00	1.33	0.67
Non-Resident										
State	610	46.4		20,846	88,338	136,215	16,365	4.24	6.53	1.47
Northern High Plains	86	6.5	14.1	2,939	13,328	12,405	4,566	4.53	4.22	0.87
Southern High Plains	102	7.8	16.7	3,486	12,952	28,091	9,589	3.72	8.06	1.77
Smoky Hills	260	19.8	42.6	8,885	41,384	58,231	9,566	4.66	6.55	1.43
South-Central Prairies	104	7.9	17.0	3,554	13,293	25,493	7,203	3.74	7.17	1.76
Flint Hills	34	2.6	5.6	1,162	3,827	4,989	1,866	3.29	4.29	1.23
Glaciated Plains	7	0.5	1.1	239	1,162	1,948	1,883	4.86	8.14	2.14
Osage Cuestas	13	1.0	2.1	444	1,606	3,691	2,412	3.62	8.31	1.84
Region Unknown	4	0.3	0.7	137	786	1,367	3,197	5.75	10.00	2.02

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

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

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

Table 10: All Hunter Activity for Pheasant, 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	1,908	60.6		85,444	383,334	402,501	26,147	4.49	4.71	1.21
Northern High Plains	408	13.0	21.4	18,271	82,399	100,939	14,145	4.51	5.52	1.25
Southern High Plains	311	9.9	16.3	13,927	65,830	83,115	13,808	4.73	5.97	1.48
Smoky Hills	730	23.2	38.3	32,691	154,991	132,555	13,483	4.74	4.05	0.98
South-Central Prairies	307	9.7	16.1	13,748	56,291	66,770	8,554	4.09	4.86	1.47
Flint Hills	93	3.0	4.9	4,165	14,957	10,972	4,273	3.59	2.63	1.14
Glaciated Plains	42	1.3	2.2	1,881	6,493	3,493	1,485	3.45	1.86	0.88
Osage Cuestas	9	0.3	0.5	403	627	1,030	582	1.56	2.56	2.07
Region Unknown	8	0.3	0.4	358	1,746	3,627	3,204	4.88	10.13	1.88
Resident										
State	1,030	56.2		55,107	278,106	268,261	26,542	5.05	4.87	1.12
Northern High Plains	204	11.1	19.8	10,914	56,017	70,677	14,740	5.13	6.48	1.27
Southern High Plains	163	8.9	15.8	8,721	50,560	63,026	14,932	5.80	7.23	1.61
Smoky Hills	401	21.9	38.9	21,454	109,840	84,480	13,533	5.12	3.94	0.82
South-Central Prairies	151	8.2	14.7	8,079	40,073	37,559	7,213	4.96	4.65	1.28
Flint Hills	65	3.5	6.3	3,478	13,483	7,811	2,678	3.88	2.25	0.94
Glaciated Plains	37	2.0	3.6	1,980	7,169	3,210	1,305	3.62	1.62	0.75
Osage Cuestas	6	0.3	0.6	321	589	1,017	654	1.83	3.17	2.43
Region Unknown	3	0.2	0.3	161	375	482	399	2.33	3.00	1.44
Non-Resident										
State	878	66.7		30,004	114,891	135,805	10,543	3.83	4.53	1.32
Northern High Plains	204	15.5	23.2	6,971	27,099	31,884	5,213	3.89	4.57	1.22
Southern High Plains	148	11.2	16.9	5,058	17,941	23,170	4,329	3.55	4.58	1.33
Smoky Hills	329	25.0	37.5	11,243	48,116	47,193	5,618	4.28	4.20	1.18
South-Central Prairies	156	11.9	17.8	5,331	17,360	26,963	4,670	3.26	5.06	1.65
Flint Hills	28	2.1	3.2	957	2,802	3,383	2,885	2.93	3.54	1.62
Glaciated Plains	5	0.4	0.6	171	376	615	1,088	2.20	3.60	1.80
Osage Cuestas	3	0.2	0.3	103	103	137	294	1.00	1.33	1.33
Region Unknown	5	0.4	0.6	171	1,094	2,460	2,500	6.40	14.40	2.15

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

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

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



Table 11: All Hunter Activity for Greater Prairie-Chicken, 2019-2020 Regular Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	86	2.7		3,851	13,774	1,249	627	3.58	0.32	0.13
Northern High Plains	19	0.6	22.1	851	3,687	189	216	4.33	0.22	0.11
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	49	1.6	57.0	2,194	8,307	588	531	3.79	0.27	0.11
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	15	0.5	17.4	672	1,874	460	359	2.79	0.68	0.23
Glaciated Plains	3	0.1	3.5	134	179	45	193	1.33	0.33	0.33
Osage Cuestas	4	0.1	4.7	179	328	30	77	1.83	0.17	0.04
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	35	1.9		1,873	5,655	1,124	627	3.02	0.60	0.24
Northern High Plains	5	0.3	14.3	268	468	134	207	1.75	0.50	0.25
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	15	0.8	42.9	803	3,464	507	565	4.32	0.63	0.25
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	13	0.7	37.1	696	1,923	532	410	2.76	0.76	0.25
Glaciated Plains	3	0.2	8.6	161	214	54	230	1.33	0.33	0.33
Osage Cuestas	2	0.1	5.7	107	143	0	NE	1.33	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	51	3.9		1,743	7,029	171	157	4.03	0.10	0.05
Northern High Plains	14	1.1	27.5	478	2,594	50	106	5.42	0.11	0.05
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	34	2.6	66.7	1,162	4,082	94	107	3.51	0.08	0.04
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	2	0.2	3.9	68	205	0	NE	3.00	0.00	0.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.2	3.9	68	159	23	98	2.33	0.33	0.08
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 12: All Hunter Activity for Greater Prairie Chicken, 2019-2020 Early Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	42	1.3		1,881	5,911	717	484	3.14	0.38	0.14
Northern High Plains	10	0.3	23.8	448	1,612	90	203	3.60	0.20	0.10
Southern High Plains	2	0.1	4.8	90	179	45	569	2.00	0.50	0.17
Smoky Hills	13	0.4	31.0	582	2,060	134	211	3.54	0.23	0.09
South-Central Prairies	1	0.0	2.4	45	90	0	NE	2.00	0.00	0.00
Flint Hills	8	0.3	19.0	358	940	313	437	2.63	0.88	0.21
Glaciated Plains	3	0.1	7.1	134	179	45	193	1.33	0.33	0.33
Osage Cuestas	2	0.1	4.8	90	134	0	NE	1.50	0.00	0.00
Region Unknown	3	0.1	7.1	134	717	90	193	5.33	0.67	0.20
Resident										
State	27	1.5		1,445	3,692	856	555	2.56	0.59	0.21
Northern High Plains	3	0.2	11.1	161	321	107	460	2.00	0.67	0.33
Southern High Plains	2	0.1	7.4	107	214	54	680	2.00	0.50	0.17
Smoky Hills	7	0.4	25.9	375	856	161	273	2.29	0.43	0.16
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	8	0.4	29.6	428	1,124	375	522	2.63	0.88	0.21
Glaciated Plains	3	0.2	11.1	161	214	54	230	1.33	0.33	0.33
Osage Cuestas	1	0.1	3.7	54	107	0	NE	2.00	0.00	0.00
Region Unknown	3	0.2	11.1	161	856	107	230	5.33	0.67	0.20
Non-Resident										
State	15	1.1		513	2,153	0	NE	4.20	0.00	0.00
Northern High Plains	7	0.5	46.7	239	1,025	0	NE	4.29	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	6	0.5	40.0	205	1,025	0	NE	5.00	0.00	0.00
South-Central Prairies	1	0.1	6.7	34	68	0	NE	2.00	0.00	0.00
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.1	6.7	34	34	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

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

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

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

Table 13: All Hunter Activity for Cottontail, 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	239	7.6		10,703	55,440	43,707	12,254	5.18	4.08	0.82
Northern High Plains	17	0.5	7.1	761	6,628	2,060	1,347	8.71	2.71	0.52
Southern High Plains	17	0.5	7.1	761	6,404	8,195	9,258	8.41	10.76	1.15
Smoky Hills	54	1.7	22.6	2,418	10,837	7,882	3,611	4.48	3.26	0.82
South-Central Prairies	21	0.7	8.8	940	4,299	3,806	3,861	4.57	4.05	0.99
Flint Hills	39	1.2	16.3	1,746	7,523	5,463	1,936	4.31	3.13	0.98
Glaciated Plains	33	1.0	13.8	1,478	8,329	4,926	2,439	5.64	3.33	0.54
Osage Cuestas	57	1.8	23.8	2,553	11,330	11,330	6,286	4.44	4.44	0.82
Region Unknown	1	0.0	0.4	45	90	45	NE	2.00	1.00	0.50
Resident										
State	194	10.6		10,379	57,569	45,905	14,370	5.55	4.42	0.79
Northern High Plains	11	0.6	5.7	589	6,206	2,087	1,555	10.55	3.55	0.70
Southern High Plains	14	0.8	7.2	749	7,276	9,737	11,094	9.71	13.00	1.33
Smoky Hills	36	2.0	18.6	1,926	9,309	7,651	4,193	4.83	3.97	0.85
South-Central Prairies	17	0.9	8.8	910	4,708	3,638	4,485	5.18	4.00	0.70
Flint Hills	33	1.8	17.0	1,766	8,025	4,655	1,851	4.55	2.64	0.84
Glaciated Plains	31	1.7	16.0	1,659	9,737	5,885	2,874	5.87	3.55	0.57
Osage Cuestas	51	2.8	26.3	2,729	12,199	12,199	7,424	4.47	4.47	0.75
Region Unknown	1	0.1	0.5	54	107	54	NE	2.00	1.00	0.50
Non-Resident										
State	45	3.4		1,538	5,536	4,032	1,774	3.60	2.62	0.98
Northern High Plains	6	0.5	13.3	205	1,094	239	345	5.33	1.17	0.19
Southern High Plains	3	0.2	6.7	103	239	34	147	2.33	0.33	0.33
Smoky Hills	18	1.4	40.0	615	2,324	1,128	674	3.78	1.83	0.78
South-Central Prairies	4	0.3	8.9	137	273	581	1,562	2.00	4.25	2.21
Flint Hills	6	0.5	13.3	205	615	1,196	1,022	3.00	5.83	1.75
Glaciated Plains	2	0.2	4.4	68	137	0	NE	2.00	0.00	0.00
Osage Cuestas	6	0.5	13.3	205	854	854	1,158	4.17	4.17	1.42
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

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

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

Table 14: All Hunter Activity for Jackrabbit, 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	36	1.1		1,612	12,584	42,095	52,058	7.81	26.11	1.38
Northern High Plains	6	0.2	16.7	269	1,523	1,164	1,019	5.67	4.33	0.76
Southern High Plains	14	0.4	38.9	627	7,120	37,527	54,073	11.36	59.86	2.85
Smoky Hills	10	0.3	27.8	448	2,194	1,164	1,999	4.90	2.60	0.32
South-Central Prairies	3	0.1	8.3	134	1,478	2,239	9,634	11.00	16.67	0.67
Flint Hills	1	0.0	2.8	45	90	0	NE	2.00	0.00	0.00
Glaciated Plains	2	0.1	5.6	90	179	0	NE	2.00	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										
State	26	1.4		1,391	13,108	49,918	62,549	9.42	35.88	1.82
Northern High Plains	4	0.2	15.4	214	1,445	1,177	1,259	6.75	5.50	0.94
Southern High Plains	13	0.7	50.0	696	8,293	44,782	64,926	11.92	64.38	3.05
Smoky Hills	4	0.2	15.4	214	1,445	1,284	3,243	6.75	6.00	0.50
South-Central Prairies	2	0.1	7.7	107	1,605	2,675	33,991	15.00	25.00	1.00
Flint Hills	1	0.1	3.8	54	107	0	NE	2.00	0.00	0.00
Glaciated Plains	2	0.1	7.7	107	214	0	NE	2.00	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
Non-Resident										
State	10	0.8		342	1,230	239	306	3.60	0.70	0.23
Northern High Plains	2	0.2	20.0	68	239	137	1,737	3.50	2.00	0.40
Southern High Plains	1	0.1	10.0	34	137	34	NE	4.00	1.00	0.25
Smoky Hills	6	0.5	60.0	205	752	68	111	3.67	0.33	0.20
South-Central Prairies	1	0.1	10.0	34	103	0	NE	3.00	0.00	0.00
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 15: All Hunter Activity for Squirrel, 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	279	8.9		12,494	56,515	47,290	6,959	4.52	3.78	1.06
Northern High Plains	4	0.1	1.4	179	313	179	570	1.75	1.00	0.50
Southern High Plains	3	0.1	1.1	134	179	0	NE	1.33	0.00	0.00
Smoky Hills	43	1.4	15.4	1,926	6,852	4,926	1,537	3.56	2.56	1.15
South-Central Prairies	20	0.6	7.2	896	3,359	2,194	1,117	3.75	2.45	0.95
Flint Hills	57	1.8	20.4	2,553	11,106	9,762	3,024	4.35	3.82	1.07
Glaciated Plains	62	2.0	22.2	2,776	16,211	14,599	4,354	5.84	5.26	1.19
Osage Cuestas	88	2.8	31.5	3,941	18,092	15,495	4,019	4.59	3.93	1.01
Region Unknown	2	0.1	0.7	90	403	134	569	4.50	1.50	0.42
Resident										
State	247	13.5		13,215	62,437	52,218	8,157	4.72	3.95	1.06
Northern High Plains	2	0.1	0.8	107	107	0	NE	1.00	0.00	0.00
Southern High Plains	3	0.2	1.2	161	214	0	NE	1.33	0.00	0.00
Smoky Hills	34	1.9	13.8	1,819	6,955	5,136	1,771	3.82	2.82	1.20
South-Central Prairies	18	1.0	7.3	963	3,745	2,408	1,347	3.89	2.50	0.96
Flint Hills	50	2.7	20.2	2,675	12,466	10,540	3,527	4.66	3.94	1.06
Glaciated Plains	58	3.2	23.5	3,103	18,779	16,372	5,162	6.05	5.28	1.16
Osage Cuestas	81	4.4	32.8	4,334	19,849	17,709	4,753	4.58	4.09	1.04
Region Unknown	1	0.1	0.4	54	321	54	NE	6.00	1.00	0.17
Non-Resident										
State	32	2.4		1,094	3,246	2,734	955	2.97	2.50	1.01
Northern High Plains	2	0.2	6.3	68	171	137	1,737	2.50	2.00	1.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	9	0.7	28.1	308	786	478	315	2.56	1.56	0.98
South-Central Prairies	2	0.2	6.3	68	171	137		2.50	2.00	0.83
Flint Hills	7	0.5	21.9	239	513	718	676	2.14	3.00	1.13
Glaciated Plains	4	0.3	12.5	137	376	683	833	2.75	5.00	1.71
Osage Cuestas	7	0.5	21.9	239	1,128	513	432	4.71	2.14	0.65
Region Unknown	1	0.1	3.1	34	103	68	NE	3.00	2.00	0.67

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

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

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

Table 16. Number and percent of non-resident respondents by state or country of residence 2019-2020.

State/Country	Number	Percent	State/Country	Number	Percent
Colorado	303	11.08	Virginia	34	1.24
Texas	302	11.05	Indiana	33	1.21
Missouri	246	9.00	Utah	32	1.17
Oklahoma	199	7.28	Ohio	30	1.10
Arkansas	151	5.52	Arizona	16	0.59
Louisiana	122	4.46	New Jersey	15	0.55
Michigan	99	3.62	Idaho	14	0.51
Georgia	90	3.29	South Dakota	13	0.48
Wisconsin	87	3.18	West Virginia	13	0.48
Minnesota	73	2.67	Alaska	12	0.44
Mississippi	72	2.63	Washington	11	0.40
Florida	70	2.56	Wyoming	11	0.40
Alabama	66	2.41	Maryland	8	0.29
Pennsylvania	66	2.41	Montana	8	0.29
Nebraska	61	2.23	North Dakota	8	0.29
North Carolina	61	2.23	New Hampshire	7	0.26
South Carolina	60	2.19	Nevada	6	0.22
Illinois	57	2.08	Oregon	6	0.22
Iowa	45	1.65	Massachusetts	5	0.18
New York	44	1.61	Maine	4	0.15
Kentucky	41	1.50	Vermont	4	0.15
Tennessee	41	1.50	Connecticut	3	0.11
New Mexico	37	1.35	Delaware	1	0.04
California	35	1.28			

Table 17. Regional breakdown of hunting activity as indicated by sample sizes for the 2019-2020 season. Values in ( ) indicate percent of the total active small game hunters from respondents.

Region	Dove	Bobwhite	Pheasant	<sup>a</sup> Greater Prairie Chicken (Regular)	<sup>a</sup> Lesser Prairie Chicken	Cottontail	Jackrabbit	Squirrel
All Hunters (Resident and Non-Resident)								
Northern High Plains	62 ( 2)	167 ( 5)	408 (13)	19 ( 1)	2 ( 0)	17 ( 1)	6 ( 0)	4 ( 0)
Southern High Plains	59 ( 2)	192 ( 6)	311 (10)	0 ( 0)	2 ( 0)	17 ( 1)	14 ( 0)	3 ( 0)
Smoky Hills	208 ( 7)	566 (18)	730 (23)	49 ( 2)	3 ( 0)	54 ( 2)	10 ( 0)	43 ( 1)
South-Central Prairies	120 ( 4)	236 ( 7)	307 (10)	0 ( 0)	3 ( 0)	21 ( 1)	3 ( 0)	20 ( 1)
Flint Hills	102 ( 3)	145 ( 5)	93 ( 3)	15 ( 0)	0 ( 0)	39 ( 1)	1 ( 0)	57 ( 2)
Glaciated Plains	85 ( 3)	53 ( 2)	42 ( 1)	3 ( 0)	0 ( 0)	33 ( 1)	2 ( 0)	62 ( 2)
Osage Cuestas	78 ( 2)	70 ( 2)	9 ( 0)	4 ( 0)	0 ( 0)	57 ( 2)	0 ( 0)	88 ( 3)
Region Unknown	3 ( 0)	7 ( 0)	8 ( 0)	0 ( 0)	14 ( 0)	1 ( 0)	0 ( 0)	2 ( 0)
Resident								
Northern High Plains	46 ( 3)	83 ( 5)	204 (11)	5 ( 0)	0 ( 0)	11 ( 1)	4 ( 0)	2 ( 0)
Southern High Plains	53 ( 3)	92 ( 5)	163 ( 9)	0 ( 0)	2 ( 0)	14 ( 1)	13 ( 1)	3 ( 0)
Smoky Hills	179 (10)	307 (17)	401 (22)	15 ( 1)	0 ( 0)	36 ( 2)	4 ( 0)	34 ( 2)
South-Central Prairies	106 ( 6)	132 ( 7)	151 ( 8)	0 ( 0)	1 ( 0)	17 ( 1)	2 ( 0)	18 ( 1)
Flint Hills	93 ( 5)	111 ( 6)	65 ( 4)	13 ( 1)	0 ( 0)	33 ( 2)	1 ( 0)	50 ( 3)
Glaciated Plains	82 ( 4)	46 ( 3)	37 ( 2)	3 ( 0)	0 ( 0)	31 ( 2)	2 ( 0)	58 ( 3)
Osage Cuestas	72 ( 4)	57 ( 3)	6 ( 0)	2 ( 0)	0 ( 0)	51 ( 3)	0 ( 0)	81 ( 4)
Region Unknown	2 ( 0)	3 ( 0)	3 ( 0)	0 ( 0)	8 ( 0)	1 ( 0)	0 ( 0)	1 ( 0)
Non-Resident								
Northern High Plains	16 ( 1)	84 ( 6)	204 (16)	14 ( 1)	2 ( 0)	6 ( 0)	2 ( 0)	2 ( 0)
Southern High Plains	6 ( 0)	100 ( 8)	148 (11)	0 ( 0)	0 ( 0)	3 ( 0)	1 ( 0)	0 ( 0)
Smoky Hills	29 ( 2)	259 (20)	329 (25)	34 ( 3)	3 ( 0)	18 ( 1)	6 ( 0)	9 ( 1)
South-Central Prairies	14 ( 1)	104 ( 8)	156 (12)	0 ( 0)	2 ( 0)	4 ( 0)	1 ( 0)	2 ( 0)
Flint Hills	9 ( 1)	34 ( 3)	28 ( 2)	2 ( 0)	0 ( 0)	6 ( 0)	0 ( 0)	7 ( 1)
Glaciated Plains	3 ( 0)	7 ( 1)	5 ( 0)	0 ( 0)	0 ( 0)	2 ( 0)	0 ( 0)	4 ( 0)
Osage Cuestas	6 ( 0)	13 ( 1)	3 ( 0)	2 ( 0)	0 ( 0)	6 ( 0)	0 ( 0)	7 ( 1)
Region Unknown	1 ( 0)	4 ( 0)	5 ( 0)	0 ( 0)	6 ( 0)	0 ( 0)	0 ( 0)	1 ( 0)

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

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

## Prairie Dog Hunter Activity Tables

Table 18. All hunter activity for prairie dog, 2019-2020 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	65	2.1		2,911	13,614	157,812	75,708	4.68	54.22	16.59
Northern High Plains	31	1.0	47.7	1,388	4,702	84,593	55,030	3.39	60.94	22.81
Southern High Plains	14	0.4	21.5	627	5,060	39,498	48,092	8.07	63.00	6.62
Smoky Hills	12	0.4	18.5	537	2,463	8,329	7,950	4.58	15.50	3.21
South-Central Prairies	8	0.3	12.3	358	1,388	25,391	35,195	3.88	70.88	30.02
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	54	2.9		2,889	14,820	146,169	79,090	5.13	50.59	14.49
Northern High Plains	26	1.4	48.1	1,391	4,922	84,480	59,413	3.54	60.73	24.05
Southern High Plains	13	0.7	24.1	696	5,939	47,029	57,626	8.54	67.62	7.01
Smoky Hills	11	0.6	20.4	589	2,836	9,951	9,440	4.82	16.91	3.50
South-Central Prairies	4	0.2	7.4	214	1,124	4,708	2,136	5.25	22.00	6.91
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	11	0.8		376	923	27,065	32,715	2.45	72.00	26.91
Northern High Plains	5	0.4	45.5	171	444	10,594	28,231	2.60	62.00	16.40
Southern High Plains	1	0.1	9.1	34	68	103	NE	2.00	3.00	1.50
Smoky Hills	1	0.1	9.1	34	68	0	NE	2.00	0.00	0.00
South-Central Prairies	4	0.3	36.4	137	342	16,369	34,945	2.50	119.75	53.13
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

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



## Coyote Hunter Activity Tables

Table 19. All hunter activity for Coyote, 2019-2020 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	746	23.7		33,407	236,225	141,735	33,206	7.07	4.24	0.53
Northern High Plains	63	2.0	8.4	2,821	15,226	6,449	2,687	5.40	2.29	0.56
Southern High Plains	50	1.6	6.7	2,239	18,137	22,167	22,509	8.10	9.90	0.91
Smoky Hills	171	5.4	22.9	7,658	61,754	39,319	13,980	8.06	5.13	0.49
South-Central Prairies	74	2.3	9.9	3,314	17,152	13,882	7,084	5.18	4.19	0.60
Flint Hills	166	5.3	22.3	7,434	46,932	21,540	7,463	6.31	2.90	0.45
Glaciated Plains	92	2.9	12.3	4,120	36,005	14,599	5,379	8.74	3.54	0.46
Osage Cuestas	124	3.9	16.6	5,553	39,139	23,197	16,906	7.05	4.18	0.56
Region Unknown	6	0.2	0.8	269	1,881	582	1,091	7.00	2.17	0.52
Resident										
State	611	33.3		32,690	246,646	146,169	37,592	7.55	4.47	0.54
Northern High Plains	48	2.6	7.9	2,568	15,783	6,848	3,082	6.15	2.67	0.52
Southern High Plains	41	2.2	6.7	2,194	19,421	24,772	26,968	8.85	11.29	0.82
Smoky Hills	139	7.6	22.7	7,437	65,166	36,007	13,048	8.76	4.84	0.47
South-Central Prairies	56	3.1	9.2	2,996	17,923	15,623	8,290	5.98	5.21	0.67
Flint Hills	138	7.5	22.6	7,383	46,601	20,170	6,391	6.31	2.73	0.46
Glaciated Plains	83	4.5	13.6	4,441	40,501	16,104	6,123	9.12	3.63	0.47
Osage Cuestas	101	5.5	16.5	5,404	39,057	26,002	20,170	7.23	4.81	0.63
Region Unknown	5	0.3	0.8	268	2,194	642	1,421	8.20	2.40	0.42
Non-Resident										
State	135	10.3		4,613	22,725	14,797	8,170	4.93	3.21	0.51
Northern High Plains	15	1.1	11.1	513	1,538	547	562	3.00	1.07	0.68
Southern High Plains	9	0.7	6.7	308	1,435	1,094	1,134	4.67	3.56	1.31
Smoky Hills	32	2.4	23.7	1,094	5,502	7,006	6,973	5.03	6.41	0.59
South-Central Prairies	18	1.4	13.3	615	1,640	615	749	2.67	1.00	0.37
Flint Hills	28	2.1	20.7	957	6,049	3,554	4,185	6.32	3.71	0.42
Glaciated Plains	9	0.7	6.7	308	1,606	854	1,545	5.22	2.78	0.35
Osage Cuestas	23	1.7	17.0	786	4,921	1,094	772	6.26	1.39	0.25
Region Unknown	1	0.1	0.7	34	34	34	NE	1.00	1.00	1.00

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

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

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

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

## Waterfowl Hunting Estimates

Table 20. All hunter activity for teal, 2019 special early season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	113	3.6		5,060	15,002	41,199	9,728	2.96	8.14	2.45
Northern High Plains	3	0.1	2.7	134	448	1,254	2,368	3.33	9.33	2.80
Southern High Plains	3	0.1	2.7	134	224	627	1,020	1.67	4.67	3.00
Smoky Hills	50	1.6	44.2	2,239	7,747	24,272	7,918	3.46	10.84	2.90
South-Central Prairies	16	0.5	14.2	717	1,567	3,090	1,773	2.19	4.31	2.09
Flint Hills	12	0.4	10.6	537	1,970	6,852	4,433	3.67	12.75	3.02
Glaciated Plains	10	0.3	8.8	448	1,209	1,791	2,087	2.70	4.00	1.05
Osage Cuestas	19	0.6	16.8	851	1,836	3,314	1,497	2.16	3.89	1.80
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	100	5.5		5,350	16,372	44,621	11,424	3.06	8.34	2.41
Northern High Plains	3	0.2	3.0	161	535	1,498	2,829	3.33	9.33	2.80
Southern High Plains	3	0.2	3.0	161	268	749	1,218	1.67	4.67	3.00
Smoky Hills	42	2.3	42.0	2,247	8,239	25,414	9,281	3.67	11.31	2.81
South-Central Prairies	15	0.8	15.0	803	1,766	3,585	2,117	2.20	4.47	2.17
Flint Hills	12	0.7	12.0	642	2,354	8,186	5,296	3.67	12.75	3.02
Glaciated Plains	10	0.5	10.0	535	1,445	2,140	2,493	2.70	4.00	1.05
Osage Cuestas	15	0.8	15.0	803	1,766	3,050	1,755	2.20	3.80	1.73
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	13	1.0		444	991	2,939	1,579	2.23	6.62	2.78
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	8	0.6	61.5	273	649	2,290	1,559	2.38	8.38	3.38
South-Central Prairies	1	0.1	7.7	34	68	68	NE	2.00	2.00	1.00
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	4	0.3	30.8	137	273	581	572	2.00	4.25	2.04
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

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

Table 21. All hunter activity for ducks, 2019-2020 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	700	22.2		31,347	206,445	439,804	63,342	6.59	14.03	2.04
Northern High Plains	11	0.3	1.6	493	1,881	6,001	4,395	3.82	12.18	2.50
Southern High Plains	11	0.3	1.6	493	1,523	7,747	11,522	3.09	15.73	3.67
Smoky Hills	159	5.0	22.7	7,120	47,603	105,820	26,129	6.69	14.86	2.16
South-Central Prairies	108	3.4	15.4	4,836	25,794	51,813	12,461	5.33	10.71	2.10
Flint Hills	145	4.6	20.7	6,493	40,752	86,788	29,703	6.28	13.37	1.92
Glaciated Plains	80	2.5	11.4	3,583	34,213	61,262	26,145	9.55	17.10	1.53
Osage Cuestas	181	5.7	25.9	8,106	54,141	118,807	39,483	6.68	14.66	2.09
Region Unknown	5	0.2	0.7	224	537	1,567	2,455	2.40	7.00	2.24
Resident										
State	413	22.5		22,096	185,225	357,557	67,232	8.38	16.18	1.72
Northern High Plains	7	0.4	1.7	375	1,231	2,889	2,819	3.29	7.71	1.86
Southern High Plains	5	0.3	1.2	268	910	1,338	1,522	3.40	5.00	2.04
Smoky Hills	80	4.4	19.4	4,280	40,020	83,143	28,736	9.35	19.43	1.91
South-Central Prairies	60	3.3	14.5	3,210	21,989	38,040	12,451	6.85	11.85	1.69
Flint Hills	80	4.4	19.4	4,280	32,208	60,779	23,353	7.53	14.20	1.54
Glaciated Plains	68	3.7	16.5	3,638	37,505	64,952	30,581	10.31	17.85	1.47
Osage Cuestas	111	6.1	26.9	5,939	51,202	106,416	46,333	8.62	17.92	1.88
Region Unknown	2	0.1	0.5	107	161	0	NE	1.50	0.00	0.00
Non-Resident										
State	287	21.8		9,808	39,231	107,236	21,932	4.00	10.93	2.51
Northern High Plains	4	0.3	1.4	137	649	2,734	3,935	4.75	20.00	3.63
Southern High Plains	6	0.5	2.1	205	581	5,058	10,085	2.83	24.67	5.02
Smoky Hills	79	6.0	27.5	2,700	10,765	27,646	7,332	3.99	10.24	2.41
South-Central Prairies	48	3.6	16.7	1,640	5,639	15,241	5,402	3.44	9.29	2.62
Flint Hills	65	4.9	22.6	2,221	10,525	27,407	17,435	4.74	12.34	2.38
Glaciated Plains	12	0.9	4.2	410	2,153	5,263	4,906	5.25	12.83	1.88
Osage Cuestas	70	5.3	24.4	2,392	8,612	22,691	5,432	3.60	9.49	2.44
Region Unknown	3	0.2	1.0	103	308	1,196	2,196	3.00	11.67	3.73

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

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

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

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

Table 22. All hunter activity for all geese species, 2019-2020 season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	554	17.6		24,809	152,528	293,233	53,051	6.15	11.82	2.08
Northern High Plains	7	0.2	1.3	313	2,597	14,241	20,299	8.29	45.43	4.69
Southern High Plains	12	0.4	2.2	537	2,060	4,030	2,421	3.83	7.50	1.99
Smoky Hills	136	4.3	24.5	6,090	35,467	76,129	24,657	5.82	12.50	2.34
South-Central Prairies	102	3.2	18.4	4,568	26,287	62,292	19,384	5.75	13.64	2.91
Flint Hills	121	3.8	21.8	5,419	33,452	61,934	34,198	6.17	11.43	1.70
Glaciated Plains	69	2.2	12.5	3,090	28,437	44,110	17,121	9.20	14.28	1.85
Osage Cuestas	105	3.3	19.0	4,702	24,093	30,317	10,218	5.12	6.45	1.36
Region Unknown	2	0.1	0.4	90	134	179	2,276	1.50	2.00	2.00
Resident										
State	339	18.5		18,137	137,822	252,103	58,056	7.60	13.90	1.77
Northern High Plains	3	0.2	0.9	161	2,140	16,479	31,155	13.33	102.67	9.07
Southern High Plains	8	0.4	2.4	428	1,926	3,585	2,881	4.50	8.38	1.92
Smoky Hills	63	3.4	18.6	3,371	27,875	57,729	25,744	8.27	17.13	1.91
South-Central Prairies	61	3.3	18.0	3,264	23,541	47,564	20,830	7.21	14.57	1.95
Flint Hills	69	3.8	20.4	3,692	26,002	49,490	37,475	7.04	13.41	1.69
Glaciated Plains	62	3.4	18.3	3,317	32,048	49,115	20,221	9.66	14.81	1.85
Osage Cuestas	72	3.9	21.2	3,852	24,183	28,142	11,739	6.28	7.31	1.20
Region Unknown	1	0.1	0.3	54	107	0	NE	2.00	0.00	0.00
Non-Resident										
State	215	16.3		7,347	28,364	62,742	15,959	3.86	8.54	2.57
Northern High Plains	4	0.3	1.9	137	615	342	281	4.50	2.50	1.41
Southern High Plains	4	0.3	1.9	137	342	786	1,128	2.50	5.75	2.13
Smoky Hills	73	5.5	34.0	2,495	9,261	21,222	9,050	3.71	8.51	2.71
South-Central Prairies	41	3.1	19.1	1,401	5,023	17,155	6,904	3.59	12.24	4.34
Flint Hills	52	4.0	24.2	1,777	8,919	15,651	11,058	5.02	8.81	1.71
Glaciated Plains	7	0.5	3.3	239	1,230	2,290	2,639	5.14	9.57	1.84
Osage Cuestas	33	2.5	15.3	1,128	2,939	5,160	2,238	2.61	4.58	1.73
Region Unknown	1	0.1	0.5	34	34	137	NE	1.00	4.00	4.00

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

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

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

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

## Other Migratory Bird Hunting Estimates

Table 23: All Hunter Activity for Woodcock for 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	4	0.1		179	761	179	403	4.25	1.00	0.31
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	2	0.1	50.0	90	582	179	1,138	6.50	2.00	0.63
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.1	50.0	90	179	0	NE	2.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 24: All Hunter Activity for Snipe, for 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	4	0.1		179	672	537	1,357	3.75	3.00	0.61
Northern High Plains	1	0.0	25.0	45	224	0	NE	5.00	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	3	0.1	75.0	134	448	537	1,766	3.33	4.00	0.81
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

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

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

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

Table 25: All Hunter Activity for Rail for 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	5	0.2		224	493	1,254	1,663	2.20	5.60	2.48
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	2	0.1	40.0	90	313	537	1,138	3.50	6.00	1.95
South-Central Prairies	1	0.0	20.0	45	90	672	NE	2.00	15.00	7.50
Flint Hills	1	0.0	20.0	45	45	45	NE	1.00	1.00	1.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.0	20.0	45	45	0	NE	1.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 26: All Hunter Activity for Crane, for 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	20	0.6		896	2,418	2,956	2,807	2.70	3.30	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	7	0.2	35.0	313	582	269	456	1.86	0.86	0.38
South-Central Prairies	13	0.4	65.0	582	1,836	2,687	2,824	3.15	4.62	1.59
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 27: All Hunter Activity for Coots, for 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	10	0.3		448	1,120	2,508	1,527	2.50	5.60	3.58
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	0.2	50.0	224	806	1,075	991	3.60	4.80	2.27
South-Central Prairies	2	0.1	20.0	90	134	269	2,276	1.50	3.00	1.75
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	1	0.0	10.0	45	90	448	NE	2.00	10.00	5.00
Osage Cuestas	2	0.1	20.0	90	90	717	7,966	1.00	8.00	8.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 28: All Hunter Activity for Crow, for 2019-2020 Season.

Region	Sample Size	% Active SG Hunter <sup>a</sup>	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) <sup>b</sup>	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	47	1.5		2,105	7,344	38,423	53,996	3.49	18.26	2.30
Northern High Plains	1	0.0	2.1	45	90	448	NE	2.00	10.00	5.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	5	0.2	10.6	224	448	179	305	2.00	0.80	0.33
South-Central Prairies	6	0.2	12.8	269	537	896	1,035	2.00	3.33	2.08
Flint Hills	15	0.5	31.9	672	3,224	33,273	57,022	4.80	49.53	4.27
Glaciated Plains	10	0.3	21.3	448	1,075	1,164	1,142	2.40	2.60	1.10
Osage Cuestas	9	0.3	19.1	403	1,746	2,239	2,067	4.33	5.56	1.43
Region Unknown	1	0.0	2.1	45	224	224	NE	5.00	5.00	1.00

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

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

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