

SMALL GAME HUNTER ACTIVITY SURVEY – 2021

STATEWIDE WILDLIFE RESEARCH AND SURVEYS

**Performance Report
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KANSAS DEPARTMENT OF WILDLIFE, PARKS, and TOURISM

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SMALL GAME HUNTER ACTIVITY SURVEY - 2021

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

Procedure: A random sample of 18,895 Kansas residents and 10,465 non-residents with valid hunting, combination, and lifetime licenses for the 2021-2022 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 2022 of their selection for the survey and asked to complete an on-line questionnaire of their hunting activity for the 2021-2022 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 sent a reminder 2 weeks after the initial request. 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 2021-2022 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 27,752 deliverable notifications, 7,232 usable responses were obtained for an overall response rate of 26%. These included 4,242 responses from resident hunters and 2,990 responses from non-resident hunters. Of these, 3,505 (48%) 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 2021-2022 seasons.

A summary of historic small game hunting season regulations follows.

Table 1. Historic small game regulations, Kansas, 1957-2021.

Years	Season Dates	Daily Bag	Possession	Open Area
<u>DOVE</u>				
2016-2021	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 - 2021	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 - 2021	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).
<u>PRAIRIE CHICKEN</u>				
2021	Sept. 15 -Jan 31	2	8	Greater Prairie Chicken unit
2015-2020	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>				
2021	Year Round	10	40	statewide
1993 - 2020	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 - 2021	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 - 2021.

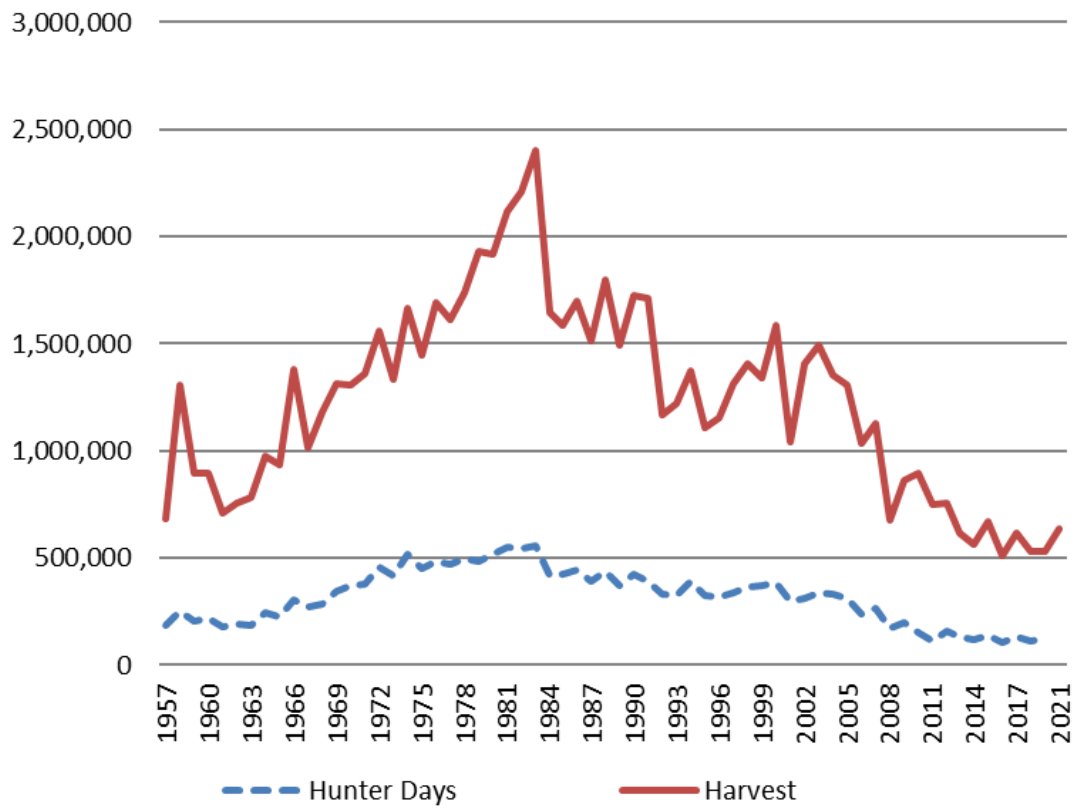


Table 2: Estimated Annual DOVE hunting Activity

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
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	4.10	19.20	5.30
2015	32	33,340	141,490	669,303	4.20	20.00	4.90
2016	24	26,799	108,252	512,441	4.00	19.10	5.00
2017	27	31,997	133,697	615,757	4.10	19.20	5.10
2018	26	31,101	113,732	529,846	3.60	17.00	5.10
2019	23	32,109	126,106	528,069	3.90	16.40	4.60
2020	26	38,176	149,355	662,417	3.90	17.30	4.60
2021	25	38,431	148,484	636,836	3.80	16.50	4.60

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

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

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

Kansas Quail Harvest, 1957 - 2021.

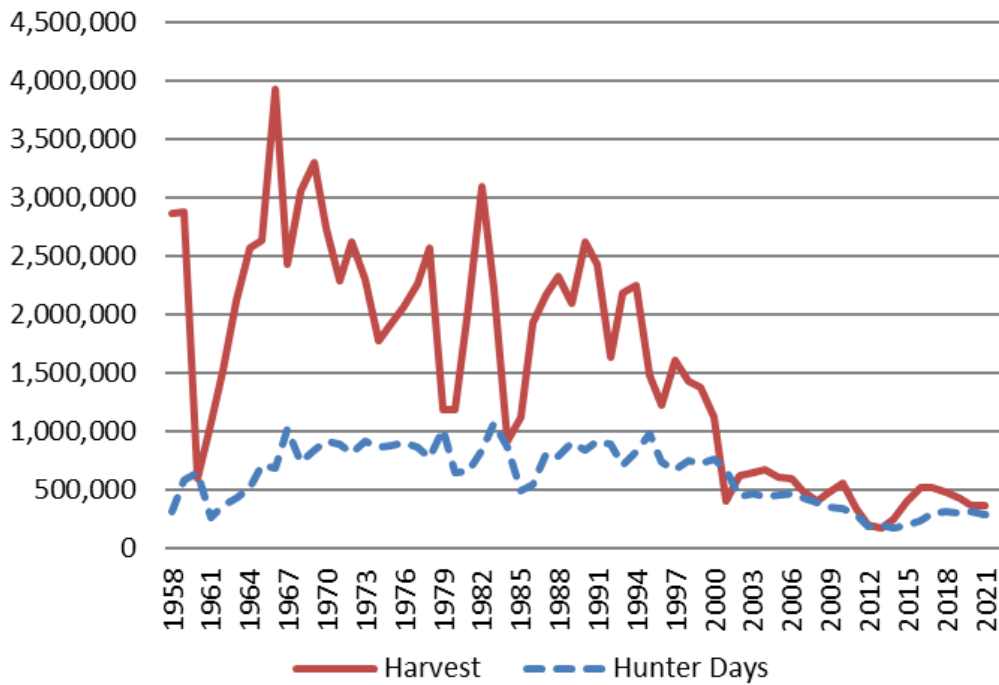


Table 3: Estimated Annual **QUAIL** hunting Activity

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
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	4.50	5.80	1.30
2015	52	54,561	238,493	407,800	4.30	7.40	1.60
2016	56	62,653	300,441	519,795	4.80	8.30	1.60
2017	56	65,246	316,116	518,163	4.80	7.90	1.60
2018	55	66,038	301,131	488,489	4.50	7.40	1.50
2019	46	64,710	316,474	426,996	4.80	6.60	1.40
2020	42	61,381	296,323	364,285	4.80	5.90	1.20
2021	44	66,544	309,805	368,590	4.60	5.50	1.20

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

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

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

Kansas Pheasant Harvest, 1957 - 2021.

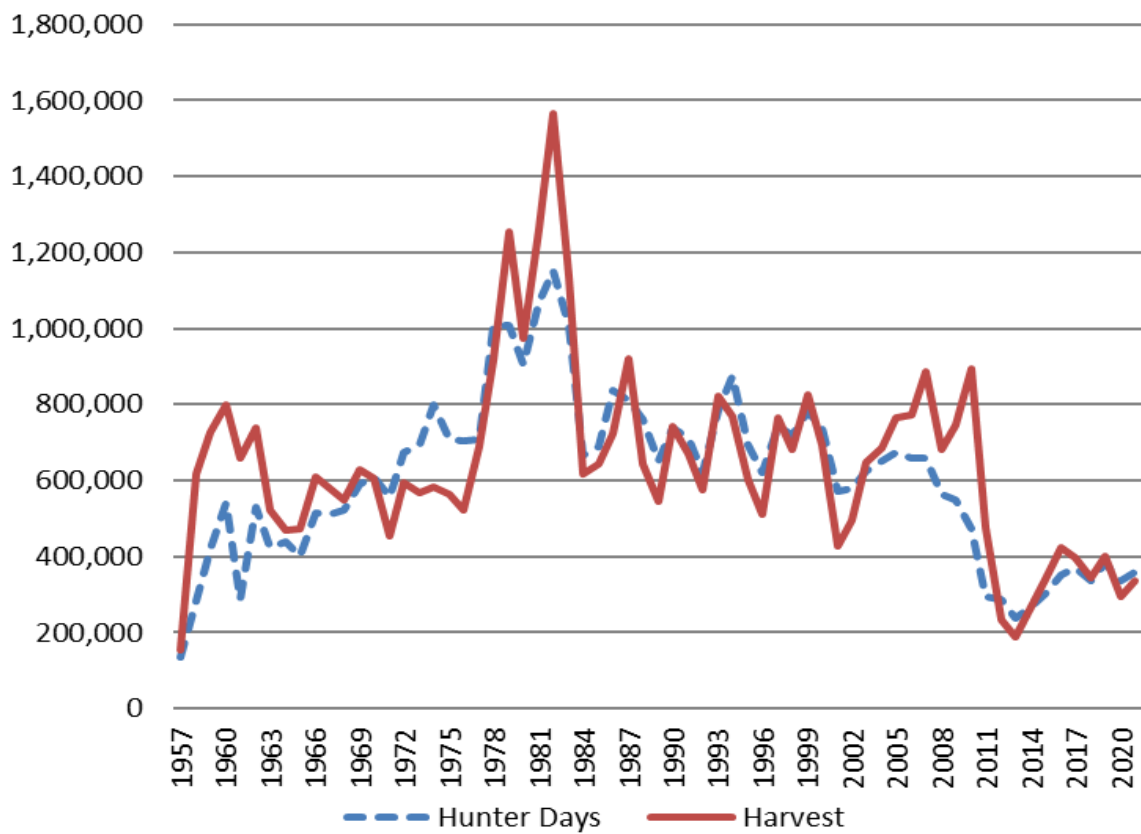


Table 4: Estimated Annual PHEASANT hunting Activity

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
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
^c 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	4.20	4.20	1.10
2015	69	72,202	303,536	338,870	4.20	4.60	1.20
2016	72	79,523	353,441	422,621	4.40	5.30	1.30
2017	69	80,018	370,696	396,334	4.60	4.90	1.10
2018	67	80,421	337,069	343,947	4.10	4.20	1.10
2019	61	85,444	382,886	402,098	4.40	4.70	1.20
2020	53	78,160	335,192	295,053	4.20	3.70	1.00
2021	57	86,450	358,842	338,161	4.10	3.90	1.00

*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, 1957-2021.

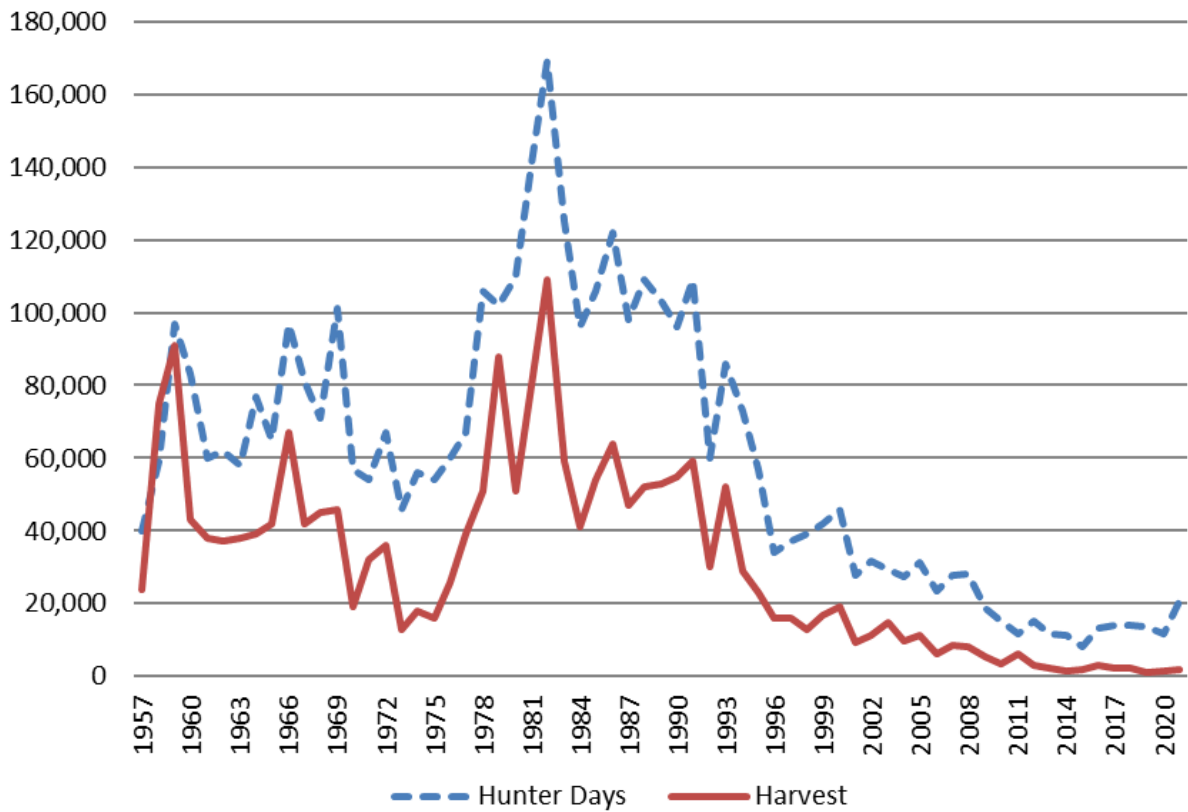


Table 5: Estimated Annual **GREATER PRAIRIE CHICKEN** hunting Activity

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
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	3.50	0.40	0.20
2015	2	2,557	8,218	1,826	3.20	0.70	0.20
2016	3	3,264	13,296	3,022	4.00	0.90	0.20
2017	3	3,956	13,868	2,267	3.50	0.50	0.20
2018	3	3,710	14,107	2,100	3.80	0.50	0.10
2019	3	3,851	13,774	1,249	3.50	0.30	0.10
2020	3	4,733	11,795	1,510	2.40	0.30	0.10
2021	4	5,850	20,864	1,666	3.50	0.20	0.10

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

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

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

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

Kansas Cottontail Harvest, 1958 - 2021.

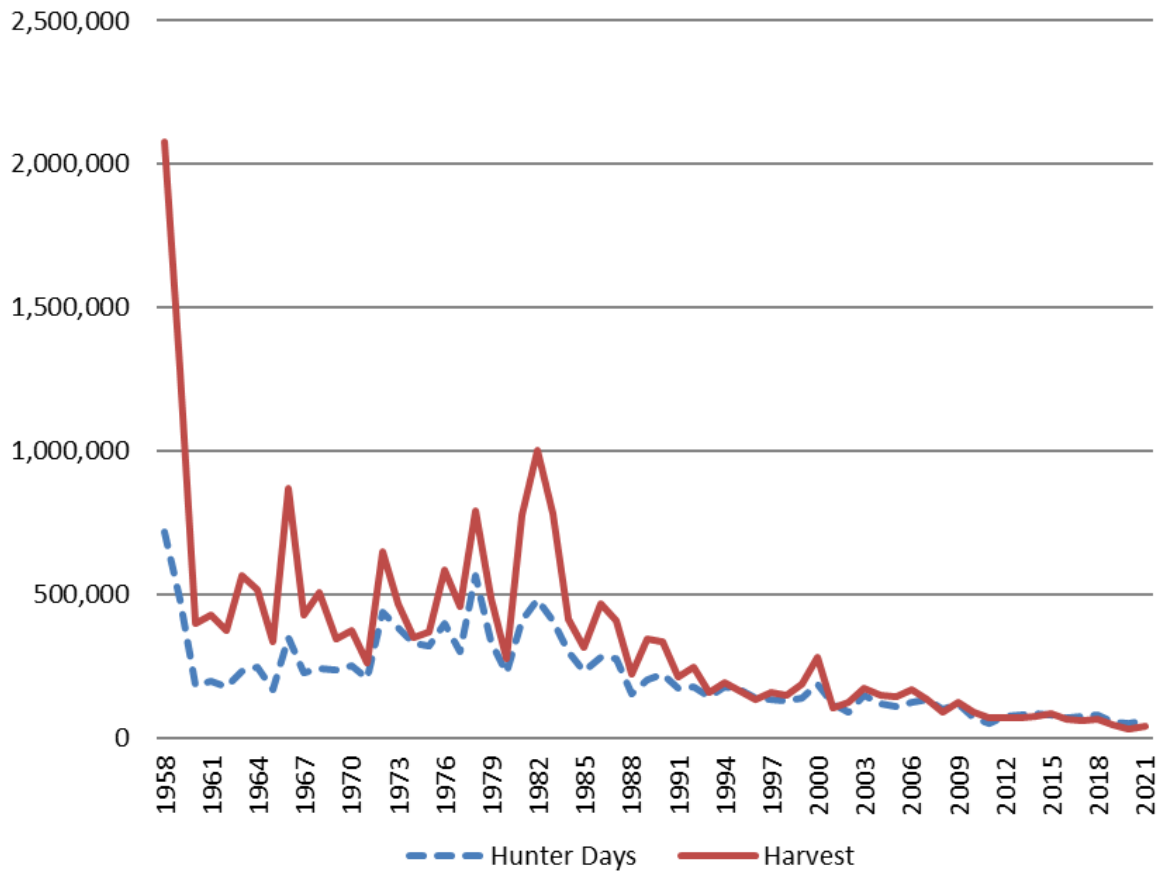


Table 6: Estimated Annual **COTTONTAIL** hunting Activity

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
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	6.10	5.60	1.30
2015	15	15,545	78,594	87,287	5.00	5.60	1.30
2016	11	12,411	67,709	62,975	5.40	5.00	1.10
2017	11	12,318	77,064	60,639	6.20	4.90	1.10
2018	12	13,841	79,337	63,203	5.70	4.50	0.90
2019	8	10,703	55,440	43,707	5.10	4.00	0.80
2020	8	12,199	50,375	32,980	4.10	2.70	0.80
2021	9	13,691	61,425	40,625	4.40	2.90	0.80

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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 - 2021.

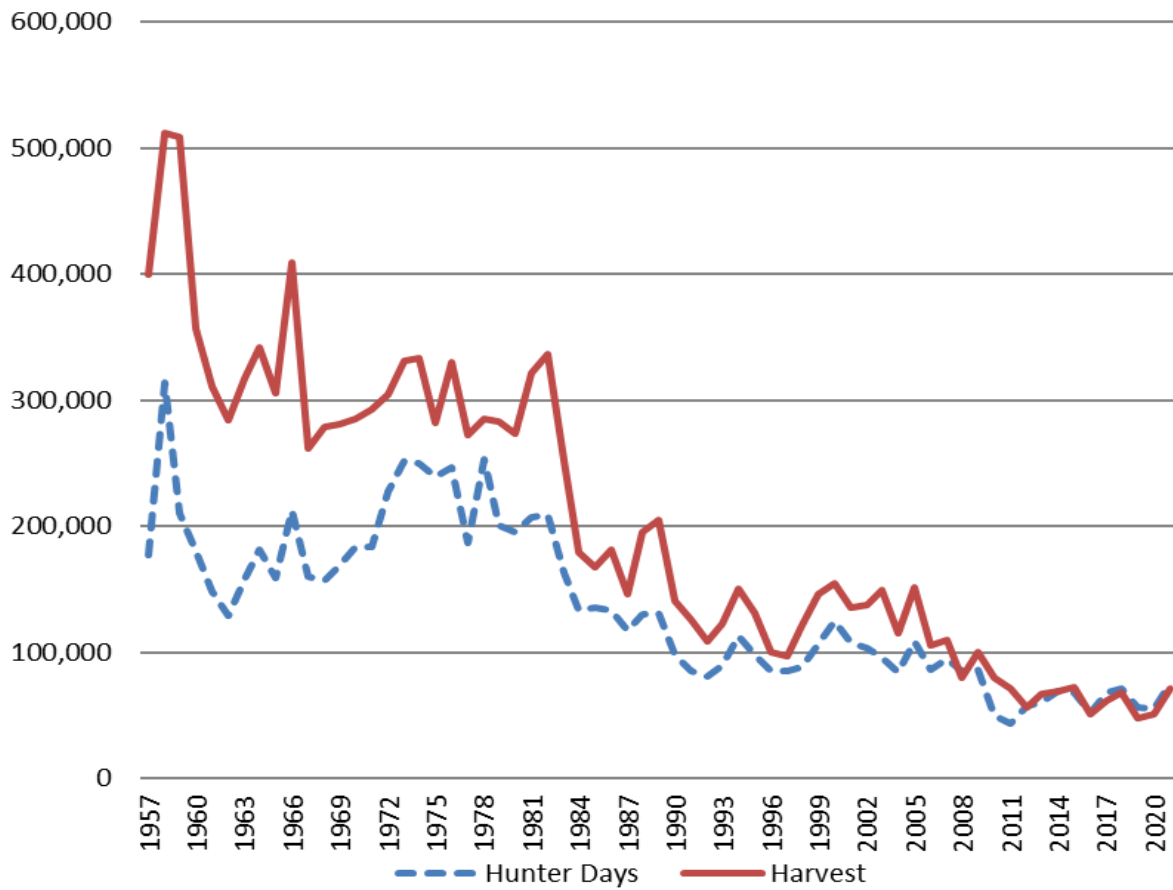


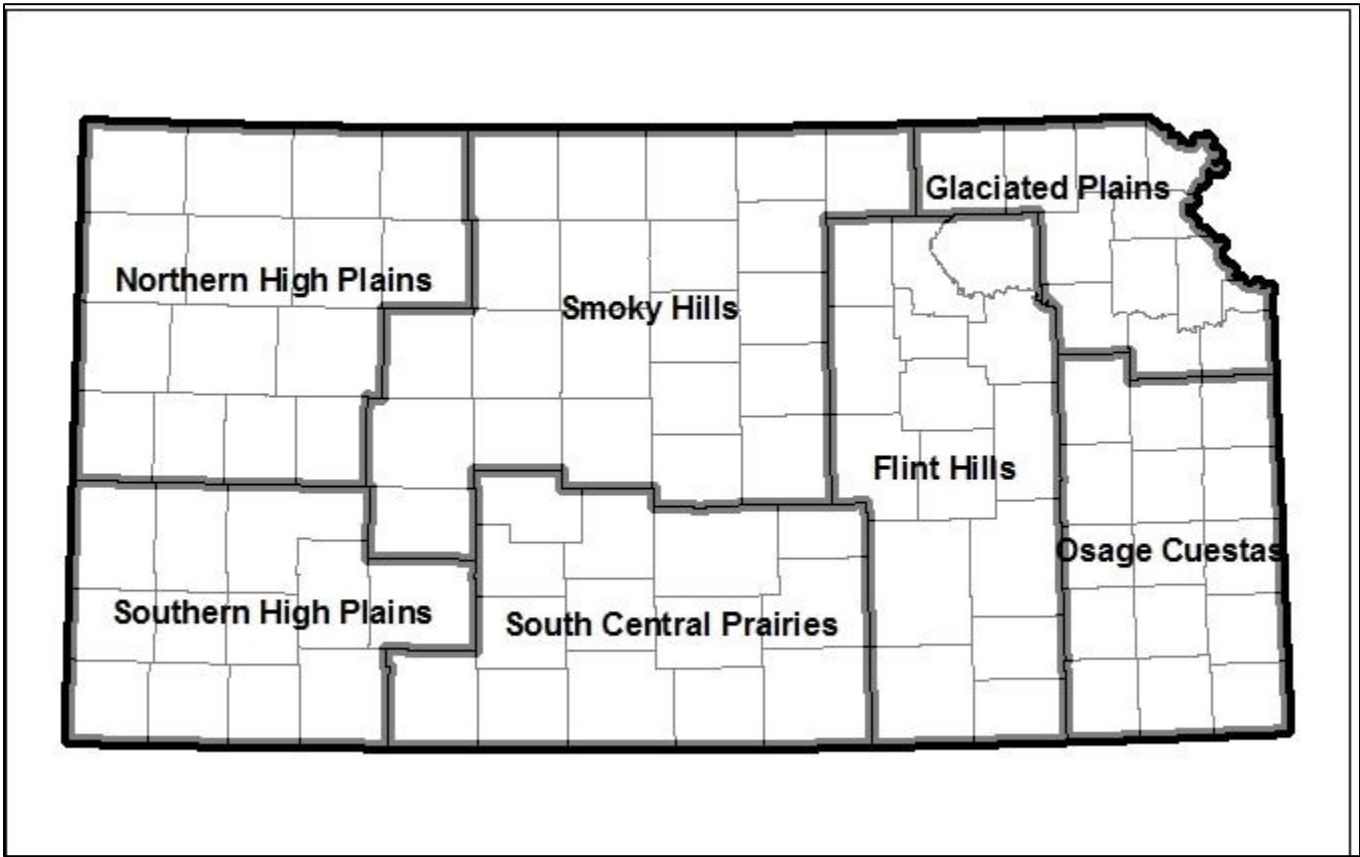
Table 7: Estimated Annual **SQUIRREL** hunting Activity

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
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	6.40	6.40	1.30
2015	11	11,301	68,060	72,611	6.00	6.40	1.30
2016	9	9,469	51,713	51,253	5.40	5.40	1.20
2017	9	10,165	68,501	61,340	6.70	6.00	1.30
2018	9	10,756	71,082	67,664	6.60	6.20	1.20
2019	9	12,494	56,515	47,290	4.50	3.70	1.00
2020	8	12,199	54,647	50,875	4.40	4.10	1.00
2021	9	14,300	75,522	71,540	5.20	5.00	0.90

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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 2021-2022

Table 8: All Hunter Activity for Dove, 2021-2022 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	946	25.3		38,431	148,484	636,836	10,795	3.86	16.57	4.65
Northern High Plains	55	1.5	5.8	2,234	9,872	60,287	4,047	4.42	26.98	6.47
Southern High Plains	74	2.0	7.8	3,006	10,359	59,394	3,363	3.45	19.76	5.66
Smoky Hills	272	7.3	28.8	11,050	41,559	208,284	5,850	3.76	18.85	5.38
South-Central Prairies	182	4.9	19.2	7,394	27,909	111,922	3,783	3.77	15.14	4.15
Flint Hills	127	3.4	13.4	5,159	23,034	78,609	3,751	4.46	15.24	4.32
Glaciated Plains	99	2.7	10.5	4,022	13,650	41,031	3,037	3.39	10.20	3.43
Osage Cuestas	137	3.7	14.5	5,566	22,100	77,309	3,924	3.97	13.89	3.79
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	837	37.3		37,309	149,101	627,560	11,155	4.00	16.82	4.54
Northern High Plains	44	2.0	5.3	1,961	9,450	58,883	4,355	4.82	30.02	6.80
Southern High Plains	60	2.7	7.2	2,674	9,361	56,609	3,479	3.50	21.17	6.06
Smoky Hills	233	10.4	27.8	10,386	39,983	198,756	5,930	3.85	19.14	5.29
South-Central Prairies	166	7.4	19.8	7,399	28,840	111,034	3,888	3.90	15.01	3.95
Flint Hills	110	4.9	13.1	4,903	23,357	77,559	3,670	4.76	15.82	4.17
Glaciated Plains	98	4.4	11.7	4,368	14,843	44,307	3,328	3.40	10.14	3.41
Osage Cuestas	126	5.6	15.1	5,616	23,268	80,412	4,016	4.14	14.32	3.63
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	109	7.3		3,817	10,857	55,930	3,106	2.84	14.65	5.53
Northern High Plains	11	0.7	10.1	385	1,086	5,709	848	2.82	14.82	5.16
Southern High Plains	14	0.9	12.8	490	1,576	6,724	977	3.21	13.71	3.93
Smoky Hills	39	2.6	35.8	1,366	4,413	23,395	2,000	3.23	17.13	5.92
South-Central Prairies	16	1.1	14.7	560	1,401	9,246	1,078	2.50	16.50	6.29
Flint Hills	17	1.1	15.6	595	1,506	6,829	1,585	2.53	11.47	5.35
Glaciated Plains	1	0.1	0.9	35	105	560	NE	3.00	16.00	5.33
Osage Cuestas	11	0.7	10.1	385	770	3,467	1,340	2.00	9.00	5.71
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 9: All Hunter Activity for Quail, 2021-2022 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	1,638	43.9		66,544	309,805	377,324	5,002	4.66	5.67	1.24
Northern High Plains	193	5.2	11.8	7,841	32,744	30,184	1,166	4.18	3.85	0.91
Southern High Plains	183	4.9	11.2	7,434	27,747	31,687	1,698	3.73	4.26	1.26
Smoky Hills	656	17.6	40.0	26,650	128,740	159,087	2,814	4.83	5.97	1.27
South-Central Prairies	236	6.3	14.4	9,587	50,781	63,456	1,930	5.30	6.62	1.34
Flint Hills	193	5.2	11.8	7,841	36,887	49,359	1,655	4.70	6.30	1.34
Glaciated Plains	69	1.8	4.2	2,803	11,253	16,778	855	4.01	5.99	1.25
Osage Cuestas	108	2.9	6.6	4,387	21,653	26,772	2,426	4.94	6.10	1.27
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	989	44.1		44,084	221,578	266,420	3,699	5.03	6.04	1.19
Northern High Plains	80	3.6	8.1	3,566	16,983	17,696	807	4.76	4.96	1.05
Southern High Plains	97	4.3	9.8	4,324	16,849	17,473	1,290	3.90	4.04	1.06
Smoky Hills	362	16.2	36.6	16,136	85,627	106,309	2,196	5.31	6.59	1.24
South-Central Prairies	157	7.0	15.9	6,998	40,161	50,458	1,624	5.74	7.21	1.27
Flint Hills	147	6.6	14.9	6,552	30,355	39,716	1,560	4.63	6.06	1.28
Glaciated Plains	58	2.6	5.9	2,585	10,564	14,531	784	4.09	5.62	1.11
Osage Cuestas	88	3.9	8.9	3,923	21,039	20,237	1,028	5.36	5.16	1.01
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	649	43.5		22,729	92,984	115,958	3,187	4.09	5.10	1.32
Northern High Plains	113	7.6	17.4	3,957	14,884	12,118	784	3.76	3.06	0.81
Southern High Plains	86	5.8	13.3	3,012	10,682	13,589	1,058	3.55	4.51	1.48
Smoky Hills	294	19.7	45.3	10,296	43,708	53,619	1,714	4.24	5.21	1.30
South-Central Prairies	79	5.3	12.2	2,767	12,223	15,059	1,083	4.42	5.44	1.48
Flint Hills	46	3.1	7.1	1,611	7,950	11,347	750	4.93	7.04	1.53
Glaciated Plains	11	0.7	1.7	385	1,401	3,047	423	3.64	7.91	1.99
Osage Cuestas	20	1.3	3.1	700	2,136	7,180	2,035	3.05	10.25	2.43
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 10: All Hunter Activity for Pheasant, 2021-2022 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	2,128	57.0		86,450	358,842	338,161	4,900	4.15	3.91	1.09
Northern High Plains	426	11.4	20.0	17,306	81,412	69,794	1,506	4.70	4.03	0.91
Southern High Plains	272	7.3	12.8	11,050	42,161	48,709	1,541	3.82	4.41	1.19
Smoky Hills	854	22.9	40.1	34,694	149,101	122,647	3,008	4.30	3.54	0.92
South-Central Prairies	344	9.2	16.2	13,975	56,837	73,531	2,325	4.07	5.26	1.61
Flint Hills	154	4.1	7.2	6,256	21,713	16,169	1,753	3.47	2.58	1.10
Glaciated Plains	55	1.5	2.6	2,234	6,094	3,819	865	2.73	1.71	1.02
Osage Cuestas	23	0.6	1.1	934	1,503	3,494	578	1.61	3.74	2.27
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	1,166	52.0		51,974	237,561	204,997	3,673	4.57	3.94	0.98
Northern High Plains	199	8.9	17.1	8,870	49,834	47,249	1,156	5.62	5.33	1.01
Southern High Plains	143	6.4	12.3	6,374	25,987	27,235	1,091	4.08	4.27	1.06
Smoky Hills	458	20.4	39.3	20,415	96,982	73,859	2,191	4.75	3.62	0.81
South-Central Prairies	189	8.4	16.2	8,425	40,473	36,640	1,415	4.80	4.35	1.06
Flint Hills	114	5.1	9.8	5,081	17,874	13,773	1,683	3.52	2.71	1.08
Glaciated Plains	45	2.0	3.9	2,006	5,260	3,388	931	2.62	1.69	1.11
Osage Cuestas	18	0.8	1.5	802	1,159	2,853	626	1.44	3.56	2.36
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	962	64.5		33,691	122,607	130,457	3,063	3.64	3.87	1.24
Northern High Plains	227	15.2	23.6	7,950	31,030	23,045	926	3.90	2.90	0.83
Southern High Plains	129	8.7	13.4	4,518	15,918	20,593	1,015	3.52	4.56	1.34
Smoky Hills	396	26.6	41.2	13,869	52,299	47,700	1,932	3.77	3.44	1.05
South-Central Prairies	155	10.4	16.1	5,428	17,167	34,602	1,493	3.16	6.37	2.28
Flint Hills	40	2.7	4.2	1,401	4,670	3,117	765	3.33	2.23	1.16
Glaciated Plains	10	0.7	1.0	350	1,121	630	158	3.20	1.80	0.61
Osage Cuestas	5	0.3	0.5	175	385	770	201	2.20	4.40	1.93
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 11: All Hunter Activity for Greater Prairie-Chicken, 2021-2022.

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	144	3.9		5,850	20,864	1,666	314	3.57	0.28	0.11
Northern High Plains	20	0.5	13.9	812	4,144	162	23	5.10	0.20	0.01
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	80	2.1	55.6	3,250	11,862	1,016	248	3.65	0.31	0.12
South-Central Prairies	1	0.0	0.7	41	203	0	NE	5.00	0.00	0.00
Flint Hills	38	1.0	26.4	1,544	3,880	447	194	2.51	0.29	0.13
Glaciated Plains	1	0.0	0.7	41	325	0	NE	8.00	0.00	0.00
Osage Cuestas	4	0.1	2.8	162	406	41	65	2.50	0.25	0.13
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	63	2.8		2,808	9,783	1,070	301	3.48	0.38	0.16
Northern High Plains	5	0.2	7.9	223	936	0	NE	4.20	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	23	1.0	36.5	1,025	4,591	624	222	4.48	0.61	0.24
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	31	1.4	49.2	1,382	3,454	401	212	2.50	0.29	0.14
Glaciated Plains	1	0.0	1.6	45	357	0	NE	8.00	0.00	0.00
Osage Cuestas	3	0.1	4.8	134	401	45	96	3.00	0.33	0.17
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	81	5.4		2,837	10,296	595	135	3.63	0.21	0.06
Northern High Plains	15	1.0	18.5	525	2,837	140	20	5.40	0.27	0.02
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	57	3.8	70.4	1,996	6,619	385	130	3.32	0.19	0.08
South-Central Prairies	1	0.1	1.2	35	175	0	NE	5.00	0.00	0.00
Flint Hills	7	0.5	8.6	245	630	70	43	2.57	0.29	0.07
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.1	1.2	35	35	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

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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 12: All Hunter Activity for Cottontail, 2021-2022 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	337	9.0		13,691	61,425	40,625	1,495	4.49	2.97	0.82
Northern High Plains	17	0.5	5.0	691	2,762	1,666	366	4.00	2.41	1.03
Southern High Plains	16	0.4	4.7	650	4,022	1,909	272	6.19	2.94	0.66
Smoky Hills	63	1.7	18.7	2,559	12,106	7,272	504	4.73	2.84	0.70
South-Central Prairies	53	1.4	15.7	2,153	8,897	5,281	536	4.13	2.45	0.83
Flint Hills	68	1.8	20.2	2,762	12,512	8,287	725	4.53	3.00	0.82
Glaciated Plains	48	1.3	14.2	1,950	8,125	4,347	443	4.17	2.23	0.62
Osage Cuestas	72	1.9	21.4	2,925	13,000	11,862	922	4.44	4.06	1.03
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	286	12.8		12,748	58,303	36,818	1,372	4.57	2.89	0.80
Northern High Plains	10	0.4	3.5	446	1,649	1,159	368	3.70	2.60	1.13
Southern High Plains	13	0.6	4.5	579	3,878	1,961	289	6.69	3.38	0.77
Smoky Hills	45	2.0	15.7	2,006	10,029	7,043	453	5.00	3.51	0.81
South-Central Prairies	48	2.1	16.8	2,140	9,093	5,527	501	4.25	2.58	0.81
Flint Hills	63	2.8	22.0	2,808	12,971	8,870	789	4.62	3.16	0.85
Glaciated Plains	47	2.1	16.4	2,095	8,737	4,769	483	4.17	2.28	0.63
Osage Cuestas	60	2.7	21.0	2,674	11,946	7,488	698	4.47	2.80	0.80
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	51	3.4		1,786	7,145	6,094	725	4.00	3.41	0.95
Northern High Plains	7	0.5	13.7	245	1,086	525	200	4.43	2.14	0.88
Southern High Plains	3	0.2	5.9	105	420	105	90	4.00	1.00	0.20
Smoky Hills	18	1.2	35.3	630	2,557	735	256	4.06	1.17	0.43
South-Central Prairies	5	0.3	9.8	175	525	210	369	3.00	1.20	1.05
Flint Hills	5	0.3	9.8	175	595	175	110	3.40	1.00	0.46
Glaciated Plains	1	0.1	2.0	35	140	0	NE	4.00	0.00	0.00
Osage Cuestas	12	0.8	23.5	420	1,821	4,343	561	4.33	10.33	2.18
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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Table 13: All Hunter Activity for Jackrabbit, 2021-2022 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	40	1.1		1,625	6,947	3,575	386	4.28	2.20	0.46
Northern High Plains	5	0.1	12.5	203	1,137	1,259	275	5.60	6.20	0.97
Southern High Plains	10	0.3	25.0	406	1,544	1,381	278	3.80	3.40	0.92
Smoky Hills	7	0.2	17.5	284	1,381	447	105	4.86	1.57	0.33
South-Central Prairies	8	0.2	20.0	325	1,462	0	NE	4.50	0.00	0.00
Flint Hills	5	0.1	12.5	203	731	0	NE	3.60	0.00	0.00
Glaciated Plains	3	0.1	7.5	122	244	81	175	2.00	0.67	0.33
Osage Cuestas	2	0.1	5.0	81	447	406	516	5.50	5.00	0.50
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	30	1.3		1,337	5,705	3,477	410	4.27	2.60	0.49
Northern High Plains	3	0.1	10.0	134	624	1,204	419	4.67	9.00	1.43
Southern High Plains	6	0.3	20.0	267	1,293	1,426	309	4.83	5.33	1.21
Smoky Hills	4	0.2	13.3	178	847	312	97	4.75	1.75	0.29
South-Central Prairies	7	0.3	23.3	312	1,382	0	NE	4.43	0.00	0.00
Flint Hills	5	0.2	16.7	223	802	0	NE	3.60	0.00	0.00
Glaciated Plains	3	0.1	10.0	134	267	89	192	2.00	0.67	0.33
Osage Cuestas	2	0.1	6.7	89	490	446	566	5.50	5.00	0.50
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	10	0.7		350	1,506	350	113	4.30	1.00	0.37
Northern High Plains	2	0.1	20.0	70	490	140	22	7.00	2.00	0.28
Southern High Plains	4	0.3	40.0	140	315	70	129	2.25	0.50	0.50
Smoky Hills	3	0.2	30.0	105	525	140	142	5.00	1.33	0.38
South-Central Prairies	1	0.1	10.0	35	175	0	NE	5.00	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

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

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

Table 14: All Hunter Activity for Squirrel, 2021-2022 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	352	9.4		14,300	75,522	71,540	1,673	5.28	5.00	0.97
Northern High Plains	2	0.1	0.6	81	162	122	258	2.00	1.50	0.75
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	30	0.8	8.5	1,219	5,606	3,697	863	4.60	3.03	1.25
South-Central Prairies	41	1.1	11.6	1,666	6,784	5,037	543	4.07	3.02	0.90
Flint Hills	70	1.9	19.9	2,844	20,069	13,609	548	7.06	4.79	0.80
Glaciated Plains	89	2.4	25.3	3,616	18,606	21,409	901	5.15	5.92	0.97
Osage Cuestas	120	3.2	34.1	4,875	24,294	27,666	872	4.98	5.68	1.02
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	334	14.9		14,888	78,629	74,795	1,801	5.28	5.02	0.97
Northern High Plains	2	0.1	0.6	89	178	134	283	2.00	1.50	0.75
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	28	1.2	8.4	1,248	5,973	3,789	941	4.79	3.04	1.27
South-Central Prairies	39	1.7	11.7	1,738	7,132	5,260	597	4.10	3.03	0.90
Flint Hills	67	3.0	20.1	2,986	20,281	14,219	594	6.79	4.76	0.81
Glaciated Plains	87	3.9	26.0	3,878	20,014	23,268	986	5.16	6.00	0.97
Osage Cuestas	111	5.0	33.2	4,948	25,051	28,126	906	5.06	5.68	1.02
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	18	1.2		630	3,327	2,907	310	5.28	4.61	0.92
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	11.1	70	140	210	890	2.00	3.00	1.00
South-Central Prairies	2	0.1	11.1	70	245	210	89	3.50	3.00	0.90
Flint Hills	3	0.2	16.7	105	1,366	560	181	13.00	5.33	0.56
Glaciated Plains	2	0.1	11.1	70	315	175	540	4.50	2.50	0.89
Osage Cuestas	9	0.6	50.0	315	1,261	1,751	301	4.00	5.56	1.04
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

^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. Number and percent of non-resident respondents by state or country of residence 2021-2022.

State/Country	Number	Percent	State/Country	Number	Percent
Texas	325	10.88	New York	36	1.20
Colorado	316	10.58	Indiana	34	1.14
Missouri	274	9.17	California	28	0.94
Oklahoma	230	7.70	Arizona	27	0.90
Arkansas	174	5.82	New Mexico	22	0.74
Louisiana	136	4.55	Idaho	17	0.57
Georgia	99	3.31	Wyoming	16	0.54
North Carolina	98	3.28	Montana	13	0.44
Mississippi	86	2.88	New Jersey	13	0.44
Wisconsin	83	2.78	West Virginia	13	0.44
Michigan	79	2.64	Alaska	12	0.40
Alabama	78	2.61	Maryland	12	0.40
Minnesota	76	2.54	Oregon	12	0.40
Florida	75	2.51	South Dakota	11	0.37
Illinois	69	2.31	North Dakota	8	0.27
South Carolina	67	2.24	Washington	7	0.23
Tennessee	67	2.24	Nevada	6	0.20
Nebraska	65	2.18	Vermont	5	0.17
Pennsylvania	65	2.18	Massachusetts	4	0.13
Kentucky	52	1.74	New Hampshire	4	0.13
Iowa	48	1.61	Connecticut	1	0.03
Ohio	44	1.47	Delaware	1	0.03
Utah	41	1.37	Hawaii	1	0.03
Virginia	37	1.24	Maine	1	0.03

Table 16. Regional breakdown of hunting activity as indicated by sample sizes for the 2020-2021 season. Values in () indicate percent of the total active small game hunters from respondents.

Region	Dove	Bobwhite	Pheasant	^a Greater Prairie Chicken	^a Lesser Prairie Chicken	Cottontail	Jackrabbit	Squirrel
All Hunters (Resident and Non-Resident)								
State	946 (25)	1,625 (44)	2,128 (57)	144 (4)	3 (0)	337 (9)	40 (1)	352 (9)
Northern High Plains	55 (1)	189 (5)	426 (11)	20 (1)	0 (0)	17 (0)	5 (0)	2 (0)
Southern High Plains	74 (2)	182 (5)	272 (7)	0 (0)	1 (0)	16 (0)	10 (0)	0 (0)
Smoky Hills	272 (7)	651 (17)	854 (23)	80 (2)	0 (0)	63 (2)	7 (0)	30 (1)
South-Central Prairies	182 (5)	234 (6)	344 (9)	1 (0)	2 (0)	53 (1)	8 (0)	41 (1)
Flint Hills	127 (3)	192 (5)	154 (4)	38 (1)	0 (0)	68 (2)	5 (0)	70 (2)
Glaciated Plains	99 (3)	69 (2)	55 (1)	1 (0)	0 (0)	48 (1)	3 (0)	89 (2)
Osage Cuestas	137 (4)	108 (3)	23 (1)	4 (0)	0 (0)	72 (2)	2 (0)	120 (3)
Resident								
State	837 (37)	984 (44)	1,166 (52)	63 (3)	1 (0)	286 (13)	30 (1)	334 (15)
Northern High Plains	44 (2)	80 (4)	199 (9)	5 (0)	0 (0)	10 (0)	3 (0)	2 (0)
Southern High Plains	60 (3)	97 (4)	143 (6)	0 (0)	1 (0)	13 (1)	6 (0)	0 (0)
Smoky Hills	233 (10)	359 (16)	458 (20)	23 (1)	0 (0)	45 (2)	4 (0)	28 (1)
South-Central Prairies	166 (7)	156 (7)	189 (8)	0 (0)	0 (0)	48 (2)	7 (0)	39 (2)
Flint Hills	110 (5)	146 (7)	114 (5)	31 (1)	0 (0)	63 (3)	5 (0)	67 (3)
Glaciated Plains	98 (4)	58 (3)	45 (2)	1 (0)	0 (0)	47 (2)	3 (0)	87 (4)
Osage Cuestas	126 (6)	88 (4)	18 (1)	3 (0)	0 (0)	60 (3)	2 (0)	111 (5)
Non-Resident								
State	109 (7)	641 (43)	962 (65)	81 (5)	2 (0)	51 (3)	10 (1)	18 (1)
Northern High Plains	11 (1)	109 (7)	227 (15)	15 (1)	0 (0)	7 (0)	2 (0)	0 (0)
Southern High Plains	14 (1)	85 (6)	129 (9)	0 (0)	0 (0)	3 (0)	4 (0)	0 (0)
Smoky Hills	39 (3)	292 (20)	396 (27)	57 (4)	0 (0)	18 (1)	3 (0)	2 (0)
South-Central Prairies	16 (1)	78 (5)	155 (10)	1 (0)	2 (0)	5 (0)	1 (0)	2 (0)
Flint Hills	17 (1)	46 (3)	40 (3)	7 (0)	0 (0)	5 (0)	0 (0)	3 (0)
Glaciated Plains	1 (0)	11 (1)	10 (1)	0 (0)	0 (0)	1 (0)	0 (0)	2 (0)
Osage Cuestas	11 (1)	20 (1)	5 (0)	1 (0)	0 (0)	12 (1)	0 (0)	9 (1)

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

^a Prairie Chickens were calculated by historic counties dominated by either species (see introduction for list of counties).

Prairie Dog Hunter Activity Tables

Table 17. All hunter activity for prairie dog, 2021-2022 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	74	2.0		3,006	15,641	96,037	10,099	5.20	31.95	7.72
Northern High Plains	31	0.8	41.9	1,259	7,516	52,569	9,432	5.97	41.74	9.80
Southern High Plains	19	0.5	25.7	772	4,103	19,094	1,594	5.32	24.74	4.13
Smoky Hills	15	0.4	20.3	609	2,641	11,456	2,790	4.33	18.80	6.40
South-Central Prairies	9	0.2	12.2	366	1,381	12,919	3,283	3.78	35.33	10.28
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	62	2.8		2,764	15,913	88,792	10,668	5.76	32.13	7.71
Northern High Plains	25	1.1	40.3	1,114	7,578	44,663	10,090	6.80	40.08	9.69
Southern High Plains	16	0.7	25.8	713	4,235	18,543	1,216	5.94	26.00	3.71
Smoky Hills	13	0.6	21.0	579	2,719	11,678	3,037	4.69	20.15	6.62
South-Central Prairies	8	0.4	12.9	357	1,382	13,907	3,589	3.88	39.00	11.31
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	12	0.8		420	981	13,028	2,853	2.33	31.00	7.73
Northern High Plains	6	0.4	50.0	210	525	10,226	3,049	2.50	48.67	10.26
Southern High Plains	3	0.2	25.0	105	210	1,891	2,324	2.00	18.00	6.39
Smoky Hills	2	0.1	16.7	70	140	700	4,450	2.00	10.00	5.00
South-Central Prairies	1	0.1	8.3	35	105	210	NE	3.00	6.00	2.00
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

^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 18. All hunter activity for Coyote, 2021-2022 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	865	23.2		35,141	235,909	133,696	2,092	6.71	3.80	0.56
Northern High Plains	63	1.7	7.3	2,559	14,097	12,919	579	5.51	5.05	0.58
Southern High Plains	53	1.4	6.1	2,153	15,600	11,862	545	7.25	5.51	0.60
Smoky Hills	181	4.8	20.9	7,353	53,056	29,778	957	7.22	4.05	0.56
South-Central Prairies	119	3.2	13.8	4,834	30,103	16,819	566	6.23	3.48	0.50
Flint Hills	162	4.3	18.7	6,581	45,094	27,462	1,258	6.85	4.17	0.64
Glaciated Plains	112	3.0	12.9	4,550	27,584	9,384	467	6.06	2.06	0.41
Osage Cuestas	175	4.7	20.2	7,109	50,375	25,472	884	7.09	3.58	0.59
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	722	32.2		32,183	227,016	130,067	1,774	7.05	4.04	0.54
Northern High Plains	47	2.1	6.5	2,095	12,837	13,417	617	6.13	6.40	0.70
Southern High Plains	41	1.8	5.7	1,828	14,219	12,347	541	7.78	6.76	0.66
Smoky Hills	152	6.8	21.1	6,775	53,088	29,374	838	7.84	4.34	0.51
South-Central Prairies	98	4.4	13.6	4,368	26,967	15,467	490	6.17	3.54	0.46
Flint Hills	137	6.1	19.0	6,107	44,619	24,159	751	7.31	3.96	0.56
Glaciated Plains	102	4.6	14.1	4,547	28,305	9,762	468	6.23	2.15	0.40
Osage Cuestas	145	6.5	20.1	6,463	46,981	25,541	898	7.27	3.95	0.62
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	143	9.6		5,008	25,006	13,063	1,155	4.99	2.61	0.64
Northern High Plains	16	1.1	11.2	560	2,066	595	70	3.69	1.06	0.22
Southern High Plains	12	0.8	8.4	420	2,276	525	227	5.42	1.25	0.39
Smoky Hills	29	1.9	20.3	1,016	4,028	2,592	509	3.97	2.55	0.86
South-Central Prairies	21	1.4	14.7	735	4,763	2,346	319	6.48	3.19	0.65
Flint Hills	25	1.7	17.5	876	3,817	4,693	953	4.36	5.36	1.08
Glaciated Plains	10	0.7	7.0	350	1,541	420	199	4.40	1.20	0.42
Osage Cuestas	30	2.0	21.0	1,051	6,514	1,891	299	6.20	1.80	0.44
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

^a % Active 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 19. All hunter activity for teal, 2021 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	178	4.8		7,231	22,872	64,878	2,342	3.16	8.97	2.90
Northern High Plains	3	0.1	1.7	122	366	975	539	3.00	8.00	2.97
Southern High Plains	2	0.1	1.1	81	203	284	86	2.50	3.50	1.42
Smoky Hills	77	2.1	43.3	3,128	9,750	32,459	1,412	3.12	10.38	3.29
South-Central Prairies	30	0.8	16.9	1,219	4,428	11,537	1,300	3.63	9.47	2.49
Flint Hills	20	0.5	11.2	812	2,397	7,434	970	2.95	9.15	3.23
Glaciated Plains	18	0.5	10.1	731	2,031	3,656	693	2.78	5.00	2.20
Osage Cuestas	28	0.8	15.7	1,137	3,697	8,531	782	3.25	7.50	2.59
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	164	7.3		7,310	22,911	65,034	2,474	3.13	8.90	2.90
Northern High Plains	3	0.1	1.8	134	401	1,070	591	3.00	8.00	2.97
Southern High Plains	1	0.0	0.6	45	89	134	NE	2.00	3.00	1.50
Smoky Hills	73	3.3	44.5	3,254	10,118	32,495	1,489	3.11	9.99	3.17
South-Central Prairies	28	1.2	17.1	1,248	4,680	12,481	1,408	3.75	10.00	2.61
Flint Hills	18	0.8	11.0	802	2,273	7,800	1,034	2.83	9.72	3.46
Glaciated Plains	17	0.8	10.4	758	2,140	3,744	761	2.82	4.94	2.15
Osage Cuestas	24	1.1	14.6	1,070	3,209	7,310	794	3.00	6.83	2.57
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	14	0.9		490	1,716	4,833	626	3.50	9.86	2.91
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	1	0.1	7.1	35	105	140	NE	3.00	4.00	1.33
Smoky Hills	4	0.3	28.6	140	455	2,452	223	3.25	17.50	5.50
South-Central Prairies	2	0.1	14.3	70	140	140	593	2.00	2.00	0.67
Flint Hills	2	0.1	14.3	70	280	280	297	4.00	4.00	1.17
Glaciated Plains	1	0.1	7.1	35	70	210	NE	2.00	6.00	3.00
Osage Cuestas	4	0.3	28.6	140	665	1,611	479	4.75	11.50	2.68
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 20. All hunter activity for ducks, 2021-2022 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	997	26.7		40,503	261,624	555,992	4,596	6.46	13.73	2.17
Northern High Plains	11	0.3	1.1	447	2,641	3,737	589	5.91	8.36	1.91
Southern High Plains	15	0.4	1.5	609	3,494	4,387	591	5.73	7.20	1.90
Smoky Hills	228	6.1	22.9	9,262	48,790	118,950	2,614	5.27	12.84	2.50
South-Central Prairies	179	4.8	18.0	7,272	46,231	91,934	1,831	6.36	12.64	2.11
Flint Hills	186	5.0	18.7	7,556	51,959	114,562	1,898	6.88	15.16	2.22
Glaciated Plains	71	1.9	7.1	2,884	20,841	32,541	1,011	7.23	11.28	1.52
Osage Cuestas	307	8.2	30.8	12,472	87,668	189,881	2,387	7.03	15.22	2.11
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	613	27.4		27,324	212,574	409,637	3,364	7.78	14.99	1.85
Northern High Plains	8	0.4	1.3	357	2,496	2,808	361	7.00	7.88	1.54
Southern High Plains	10	0.4	1.6	446	1,917	2,986	594	4.30	6.70	2.18
Smoky Hills	110	4.9	17.9	4,903	32,405	68,511	1,594	6.61	13.97	2.10
South-Central Prairies	120	5.4	19.6	5,349	39,983	76,578	1,560	7.48	14.32	1.91
Flint Hills	123	5.5	20.1	5,483	45,020	87,767	1,509	8.21	16.01	1.81
Glaciated Plains	58	2.6	9.5	2,585	20,370	30,266	807	7.88	11.71	1.42
Osage Cuestas	184	8.2	30.0	8,202	70,383	140,721	1,785	8.58	17.16	1.81
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	384	25.8		13,448	58,522	157,459	2,826	4.35	11.71	2.69
Northern High Plains	3	0.2	0.8	105	315	1,016	905	3.00	9.67	2.92
Southern High Plains	5	0.3	1.3	175	1,506	1,436	335	8.60	8.20	1.35
Smoky Hills	118	7.9	30.7	4,133	16,600	48,716	1,848	4.02	11.79	2.88
South-Central Prairies	59	4.0	15.4	2,066	8,440	19,087	987	4.08	9.24	2.52
Flint Hills	63	4.2	16.4	2,206	9,421	29,804	1,015	4.27	13.51	3.02
Glaciated Plains	13	0.9	3.4	455	1,961	4,273	665	4.31	9.38	1.98
Osage Cuestas	123	8.2	32.0	4,308	20,278	53,129	1,459	4.71	12.33	2.55
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 all geese species, 2021-2022 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	733	19.6		29,778	173,143	367,249	4,687	5.81	12.33	1.87
Northern High Plains	15	0.4	2.0	609	2,478	2,803	534	4.07	4.60	1.13
Southern High Plains	16	0.4	2.2	650	3,331	11,822	1,007	5.13	18.19	2.51
Smoky Hills	163	4.4	22.2	6,622	31,159	72,800	2,562	4.71	10.99	1.92
South-Central Prairies	160	4.3	21.8	6,500	40,787	93,640	2,060	6.28	14.41	2.03
Flint Hills	150	4.0	20.5	6,094	36,319	76,415	2,071	5.96	12.54	1.90
Glaciated Plains	80	2.1	10.9	3,250	24,212	53,503	1,688	7.45	16.46	1.97
Osage Cuestas	149	4.0	20.3	6,053	34,856	56,265	1,785	5.76	9.30	1.55
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	476	21.2		21,217	147,184	304,308	3,621	6.94	14.34	1.60
Northern High Plains	9	0.4	1.9	401	1,694	1,293	393	4.22	3.22	0.86
Southern High Plains	9	0.4	1.9	401	1,516	4,769	607	3.78	11.89	1.49
Smoky Hills	85	3.8	17.9	3,789	23,045	56,208	2,009	6.08	14.84	1.73
South-Central Prairies	101	4.5	21.2	4,502	36,506	84,112	1,648	8.11	18.68	1.71
Flint Hills	103	4.6	21.6	4,591	32,138	69,892	1,691	7.00	15.22	1.68
Glaciated Plains	68	3.0	14.3	3,031	22,332	40,875	1,378	7.37	13.49	1.71
Osage Cuestas	101	4.5	21.2	4,502	29,954	47,159	1,228	6.65	10.48	1.28
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	257	17.2		9,001	33,621	77,504	2,801	3.74	8.61	2.37
Northern High Plains	6	0.4	2.3	210	806	1,401	446	3.83	6.67	1.54
Southern High Plains	7	0.5	2.7	245	1,681	6,444	798	6.86	26.29	3.82
Smoky Hills	78	5.2	30.4	2,732	8,756	18,597	1,568	3.21	6.81	2.13
South-Central Prairies	59	4.0	23.0	2,066	6,479	14,639	1,191	3.14	7.08	2.57
Flint Hills	47	3.2	18.3	1,646	6,059	10,962	1,198	3.68	6.66	2.40
Glaciated Plains	12	0.8	4.7	420	3,327	14,009	1,030	7.92	33.33	3.43
Osage Cuestas	48	3.2	18.7	1,681	6,514	11,452	1,185	3.88	6.81	2.12
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

^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 22: All Hunter Activity for Woodcock for 2021-2022 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	9	0.2		366	731	447	357	2.00	1.22	1.11
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	1	0.0	11.1	41	41	41	NE	1.00	1.00	1.00
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	22.2	81	122	122	1,549	1.50	1.50	1.50
Glaciated Plains	3	0.1	33.3	122	203	81	175	1.67	0.67	0.33
Osage Cuestas	3	0.1	33.3	122	366	203	462	3.00	1.67	1.67
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 23: All Hunter Activity for Snipe, for 2021-2022 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	9	0.2		366	853	1,016	399	2.33	2.78	1.31
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	2	0.1	22.2	81	203	284	1,204	2.50	3.50	1.17
South-Central Prairies	2	0.1	22.2	81	162	406	516	2.00	5.00	2.50
Flint Hills	1	0.0	11.1	41	41	0	NE	1.00	0.00	0.00
Glaciated Plains	1	0.0	11.1	41	41	0	NE	1.00	0.00	0.00
Osage Cuestas	3	0.1	33.3	122	406	325	546	3.33	2.67	1.50
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 24: All Hunter Activity for Rail for 2021-2022 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	4	0.1		162	366	1,056	647	2.25	6.50	1.94
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	25.0	41	81	0	NE	2.00	0.00	0.00
South-Central Prairies	1	0.0	25.0	41	81	203	NE	2.00	5.00	2.50
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	1	0.0	25.0	41	41	0	NE	1.00	0.00	0.00
Osage Cuestas	1	0.0	25.0	41	162	853	NE	4.00	21.00	5.25
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 25: All Hunter Activity for Crane, for 2021-2022 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	29	0.8		1,178	2,519	3,128	405	2.14	2.66	1.02
Northern High Plains	3	0.1	10.3	122	366	122	105	3.00	1.00	0.20
Southern High Plains	4	0.1	13.8	162	528	894	278	3.25	5.50	1.35
Smoky Hills	10	0.3	34.5	406	609	284	217	1.50	0.70	0.50
South-Central Prairies	12	0.3	41.4	487	1,016	1,828	224	2.08	3.75	1.54
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 26: All Hunter Activity for Coots, for 2021-2022 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	17	0.5		691	2,641	2,681	918	3.82	3.88	1.95
Northern High Plains	1	0.0	5.9	41	41	41	NE	1.00	1.00	1.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	6	0.2	35.3	244	569	975	364	2.33	4.00	1.73
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	2	0.1	11.8	81	487	162	1,032	6.00	2.00	1.00
Glaciated Plains	2	0.1	11.8	81	81	122	516	1.00	1.50	1.50
Osage Cuestas	6	0.2	35.3	244	1,462	1,381	1,064	6.00	5.67	2.79
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 Crow, for 2021-2022 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	66	1.8		2,681	10,197	14,300	1,073	3.80	5.33	1.60
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	6.1	162	1,097	1,706	614	6.75	10.50	2.47
South-Central Prairies	3	0.1	4.5	122	487	812	77	4.00	6.67	1.72
Flint Hills	23	0.6	34.8	934	3,534	5,322	659	3.78	5.70	1.60
Glaciated Plains	13	0.3	19.7	528	2,600	1,706	288	4.92	3.23	0.95
Osage Cuestas	23	0.6	34.8	934	2,478	4,753	757	2.65	5.09	1.82
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