

SMALL GAME HUNTER ACTIVITY SURVEY – 2022

STATEWIDE WILDLIFE RESEARCH AND SURVEYS

**Performance Report
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SMALL GAME HUNTER ACTIVITY SURVEY - 2022

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

Procedure: A random sample of 19,663 Kansas residents and 10,386 non-residents with valid hunting, combination, and lifetime licenses for the 2022-2023 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 2023 of their selection for the survey and asked to complete an on-line questionnaire of their hunting activity for the 2022-2023 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.

To generate hunter and harvest estimates, answers from respondents were used to estimate percentage of active small game hunters for all license holders during the 2022-2023 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 28,779 deliverable notifications, 7,204 usable responses were obtained for an overall response rate of 25%. These included 4,165 responses from resident hunters and 3,039 responses from non-resident hunters. Of these, 3,324 (46%) 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 2022-2023 seasons.

A summary of historic small game hunting season regulations follows.

Table 1. Historic small game regulations, Kansas, 1957-2022.

Years	Season Dates	Daily Bag	Possession	Open Area
<u>DOVE</u>				
2016-2022	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 - 2022	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 - 2022	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

1959	Nov. 7-26	4	8	all counties west (63 co's). 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 - 2022	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 - 2022	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 - 2022	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 - 2022.

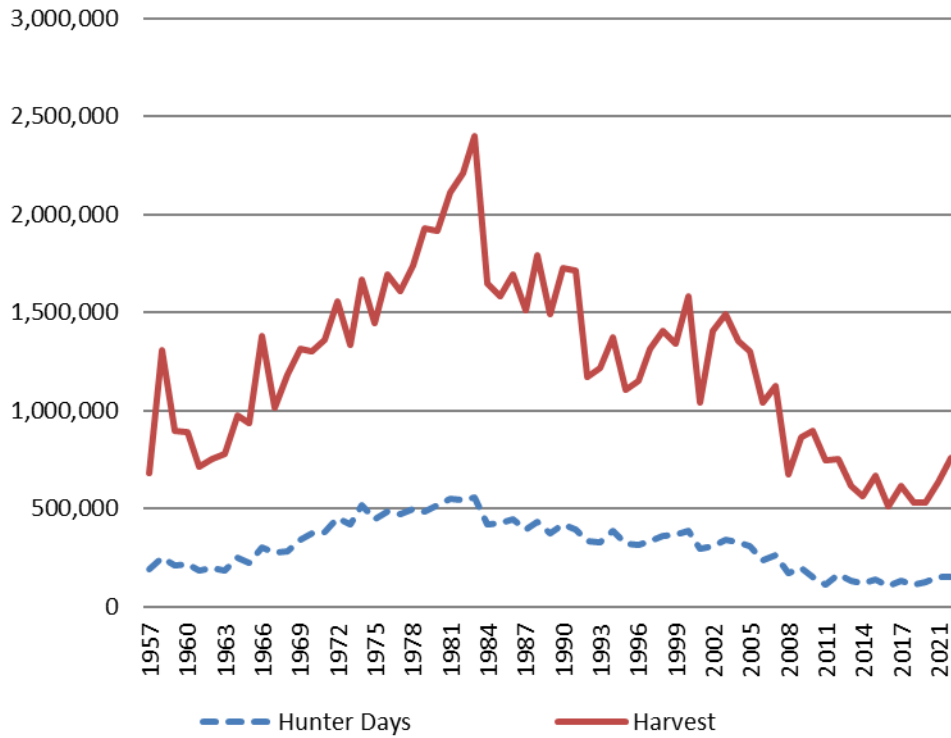


Table 2: Estimated Annual **DOVE** hunting Activity

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
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
2022	28	38,123	151,408	760,671	3.90	19.90	5.40

*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 Quail Harvest, 1957 - 2022.

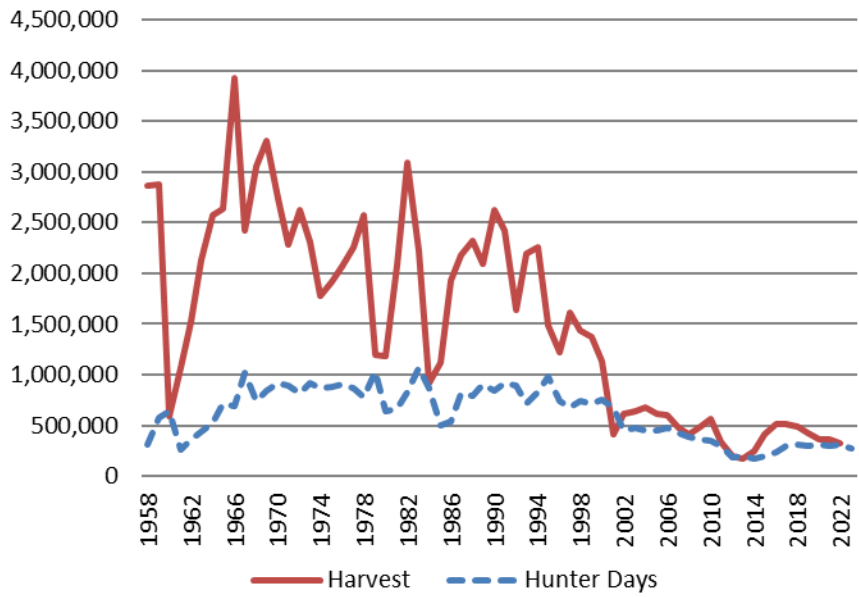


Table 3: Estimated Annual **QUAIL** hunting Activity

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
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
2022	41	56,684	275,079	320,627	4.80	5.60	1.10

*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 Pheasant Harvest, 1957 - 2022.

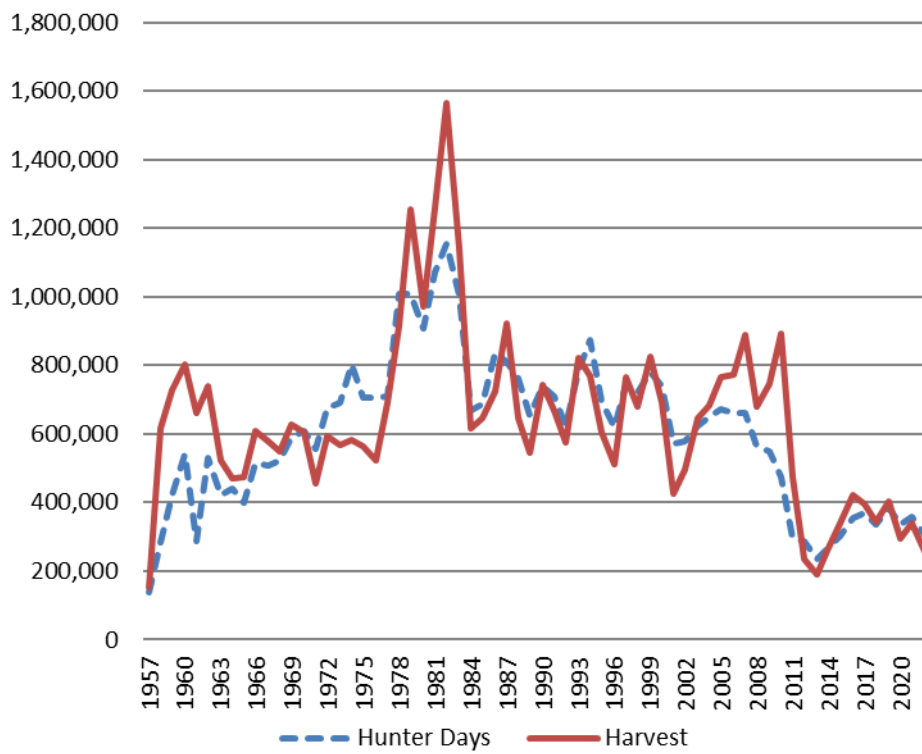


Table 4: Estimated Annual PHEASANT hunting Activity

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
1973	65	139,700	692,000	566,000	4.95	4.05	0.96
1974	71	150,200	801,000	584,000	5.33	3.89	0.85
1975	71	141,100	707,000	564,000	5.01	3.97	0.92
1976	72	145,200	706,000	523,000	4.86	3.60	0.90
1977	72	148,400	709,000	690,000	4.78	4.65	1.09
1978	78	168,000	1,008,000	916,000	6.00	5.46	1.11
^d 1979	78	177,900	1,009,000	1,253,000	5.67	7.05	1.41
1980	77	176,200	907,000	972,000	5.15	5.52	1.19
1981	78	183,200	1,070,000	1,260,000	5.84	6.88	1.36
1982	79	195,600	1,152,000	1,565,000	5.89	8.00	1.51
1983	76	183,600	1,006,000	1,138,000	5.48	6.20	1.28
1984	72	135,700	668,000	616,000	4.92	4.54	1.07
1985	74	136,600	688,000	645,000	5.03	4.72	1.02
1986	74	143,100	836,000	723,000	5.84	5.06	1.01
1987	76	149,600	812,000	921,000	5.43	6.16	1.21
1988	75	144,400	760,000	644,000	5.26	4.46	1.00
1989	70	124,900	653,000	546,000	5.23	4.37	0.96
1990	74	133,000	738,000	742,000	5.55	5.58	1.14
1991	75	138,400	710,000	669,000	5.13	4.83	1.08
1992	73	126,100	622,000	574,000	4.93	4.55	0.99
1993	77	134,400	785,000	820,000	5.84	6.10	1.18
1994	76	145,300	874,000	768,000	6.02	5.28	1.07
1995	74	133,500	694,000	603,000	5.20	4.52	0.96
1996	70	111,700	621,000	512,000	5.56	4.59	0.94
1997	75	124,800	742,000	766,000	5.94	6.13	1.15
1998	73	125,800	721,000	681,000	5.73	5.41	1.01
1999	74	133,700	780,000	824,000	5.83	6.16	1.18
2000	72	133,400	738,000	692,000	5.53	5.19	1.00
2001	70	116,600	572,000	426,000	4.91	3.66	0.82
2002	67	106,800	578,000	497,000	5.41	4.65	0.93
2003	70	117,000	625,000	646,000	5.34	5.52	1.13
2004	71	123,800	650,000	685,000	5.25	5.53	1.11
2005	71	124,700	673,000	764,000	5.40	6.12	1.20
^e 2006	75	120,900	659,000	774,000	5.44	6.39	1.26
2007	78	117,100	660,000	887,000	5.64	7.58	1.41
2008	80	108,100	565,000	680,000	5.08	6.05	1.23
2009	75	112,400	548,000	746,000	4.87	6.62	1.39
2010	82	123,764	472,494	892,672	5.22	7.21	1.46
2011	74	93,135	294,556	475,170	4.59	5.10	1.19
2012	64	67,273	287,540	233,981	4.27	3.48	0.91
2013	60	54,400	236,661	190,285	4.35	3.50	0.95
2014	63	62,774	266,855	269,476	4.20	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
2022	53	73,952	305,074	258,729	4.10	3.50	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, 1957-2022.

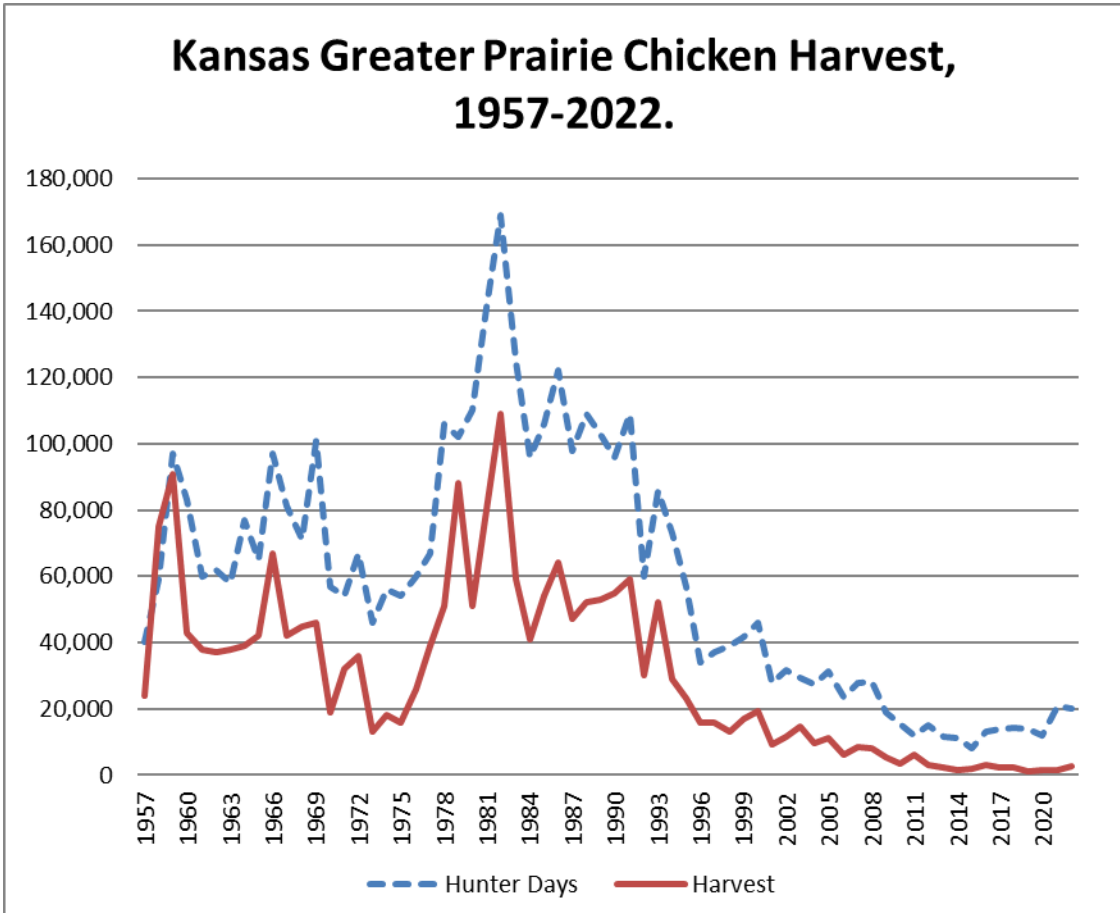


Table 5: Estimated Annual **GREATER PRAIRIE CHICKEN** hunting Activity

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
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
2022	3	4,713	20,063	2,753	4.20	0.50	0.10

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

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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 Cottontail Harvest, 1958 - 2022.

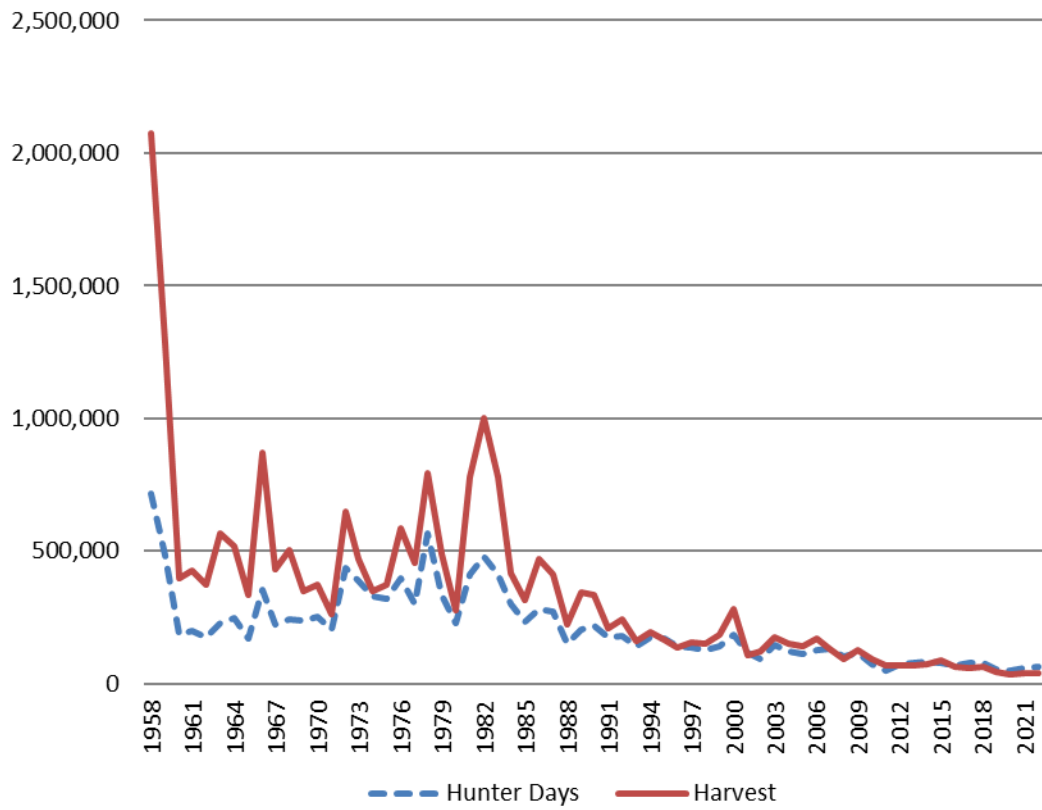


Table 6: Estimated Annual **COTTONTAIL** hunting Activity

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
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
2022	9	12,013	64,526	38,665	5.30	3.20	0.80

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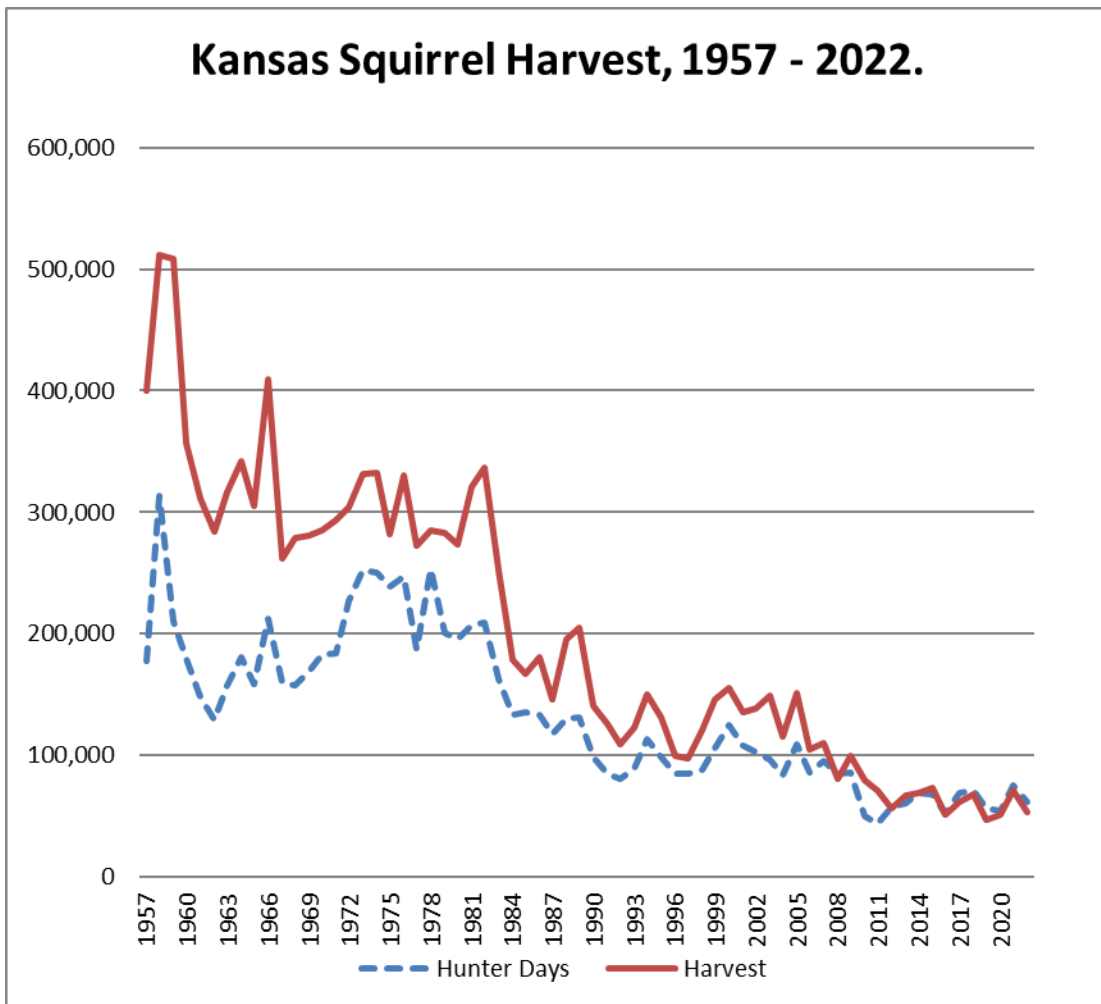


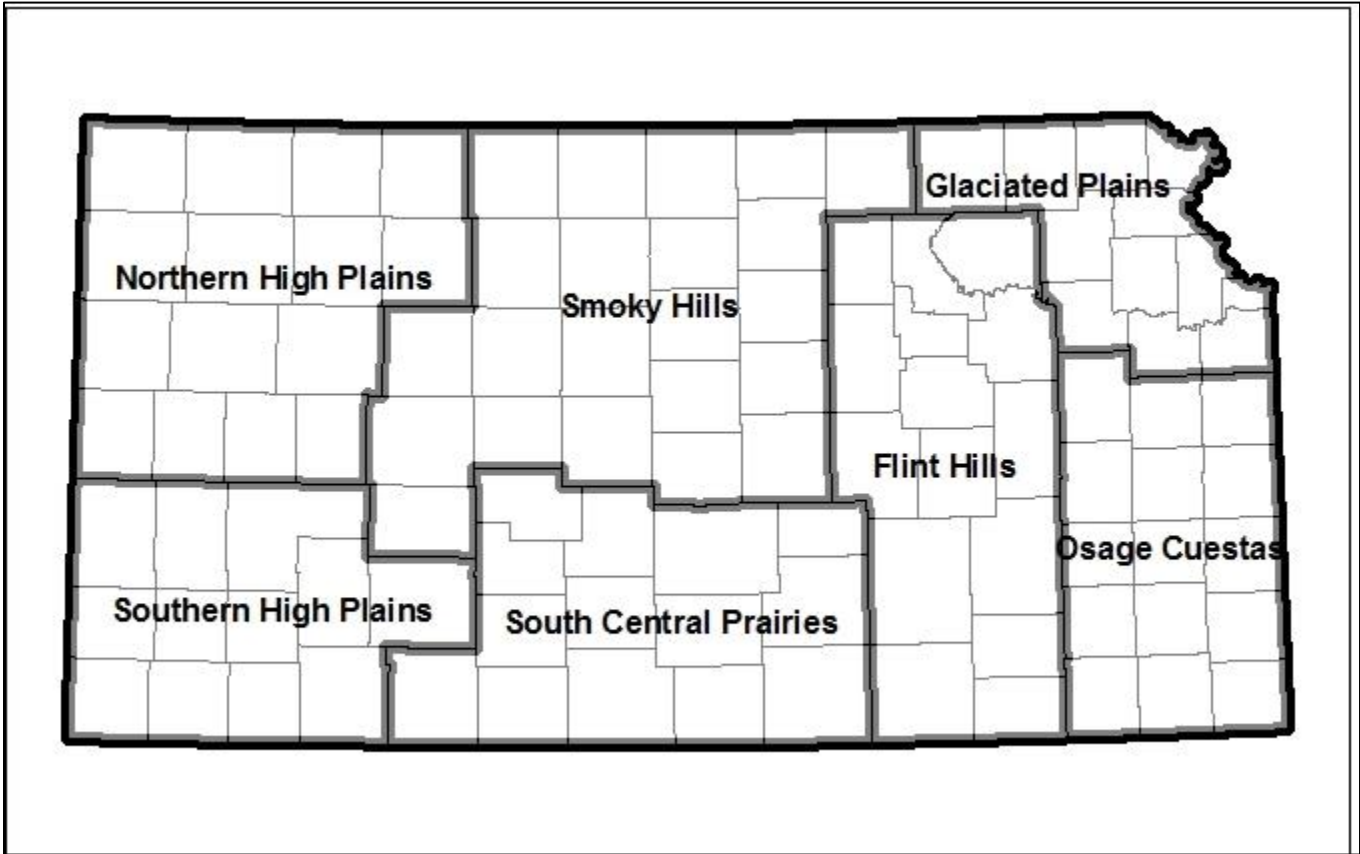
Table 7: Estimated Annual **SQUIRREL** hunting Activity

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
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
2022	9	12,221	61,982	52,805	5.00	4.30	1.10

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Kansas small game regions for all species

Small Game Hunter Activity Tables 2022-2023

Table 8: All Hunter Activity for Dove, 2022-2023 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	914	27.5		38,123	151,408	760,671	11,578	3.97	19.95	5.45
Northern High Plains	70	2.1	7.7	2,920	9,510	70,324	3,638	3.26	24.09	7.47
Southern High Plains	61	1.8	6.7	2,544	13,055	95,266	3,248	5.13	37.44	7.07
Smoky Hills	252	7.6	27.6	10,511	41,919	269,323	6,486	3.99	25.62	6.72
South-Central Prairies	172	5.2	18.8	7,174	29,072	134,683	4,581	4.05	18.77	5.32
Flint Hills	150	4.5	16.4	6,257	25,235	72,034	4,046	4.03	11.51	3.94
Glaciated Plains	78	2.3	8.5	3,253	10,970	38,791	2,923	3.37	11.92	3.86
Osage Cuestas	125	3.8	13.7	5,214	20,438	75,579	3,679	3.92	14.50	4.04
Region Unknown	6	0.2	0.7	250	1,210	4,672	809	4.83	18.67	2.81
Resident										
State	806	40.8		38,050	157,394	757,797	12,035	4.14	19.92	5.16
Northern High Plains	57	2.9	7.1	2,691	8,875	64,723	3,823	3.30	24.05	7.47
Southern High Plains	54	2.7	6.7	2,549	13,974	99,469	3,348	5.48	39.02	6.75
Smoky Hills	220	11.1	27.3	10,386	42,488	263,520	6,751	4.09	25.37	6.36
South-Central Prairies	147	7.4	18.2	6,940	29,694	127,653	4,599	4.28	18.39	4.76
Flint Hills	138	7.0	17.1	6,515	27,523	77,139	4,378	4.22	11.84	3.94
Glaciated Plains	76	3.8	9.4	3,588	11,944	42,535	3,291	3.33	11.86	3.86
Osage Cuestas	109	5.5	13.5	5,146	21,622	77,470	3,767	4.20	15.06	3.84
Region Unknown	5	0.3	0.6	236	1,275	5,287	904	5.40	22.40	3.37
Non-Resident										
State	108	8.0		3,697	10,132	74,794	3,469	2.74	20.23	7.56
Northern High Plains	13	1.0	12.0	445	1,369	10,783	1,296	3.08	24.23	7.49
Southern High Plains	7	0.5	6.5	240	582	6,059	1,323	2.43	25.29	9.57
Smoky Hills	32	2.4	29.6	1,095	3,594	29,952	1,934	3.28	27.34	9.20
South-Central Prairies	25	1.9	23.1	856	2,328	17,971	1,349	2.72	21.00	8.60
Flint Hills	12	0.9	11.1	411	753	3,183	1,140	1.83	7.75	4.03
Glaciated Plains	2	0.1	1.9	68	342	993	2,340	5.00	14.50	3.98
Osage Cuestas	16	1.2	14.8	548	1,095	5,853	1,368	2.00	10.69	5.41
Region Unknown	1	0.1	0.9	34	68	0	NE	2.00	0.00	0.00

*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

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

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

Table 9: All Hunter Activity for Quail, 2022-2023 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	1,359	40.9		56,684	275,079	324,840	4,339	4.85	5.73	1.17
Northern High Plains	128	3.8	9.4	5,339	22,440	20,021	1,421	4.20	3.75	0.85
Southern High Plains	108	3.2	7.9	4,505	20,313	19,395	1,120	4.51	4.31	0.96
Smoky Hills	571	17.2	42.0	23,817	116,247	144,401	2,644	4.88	6.06	1.23
South-Central Prairies	214	6.4	15.7	8,926	40,250	47,925	1,991	4.51	5.37	1.24
Flint Hills	180	5.4	13.2	7,508	45,256	59,437	1,674	6.03	7.92	1.28
Glaciated Plains	86	2.6	6.3	3,587	15,725	13,514	983	4.38	3.77	1.05
Osage Cuestas	69	2.1	5.1	2,878	14,182	19,395	972	4.93	6.74	1.16
Region Unknown	3	0.1	0.2	125	667	751	279	5.33	6.00	0.97
Resident										
State	819	41.4		38,664	203,612	217,019	3,310	5.27	5.61	1.06
Northern High Plains	56	2.8	6.8	2,644	11,802	11,377	789	4.46	4.30	0.78
Southern High Plains	63	3.2	7.7	2,974	13,218	12,369	1,054	4.44	4.16	1.17
Smoky Hills	310	15.7	37.9	14,635	76,195	81,577	2,036	5.21	5.57	1.14
South-Central Prairies	135	6.8	16.5	6,373	32,999	35,123	1,351	5.18	5.51	0.99
Flint Hills	122	6.2	14.9	5,759	39,042	43,102	1,319	6.78	7.48	1.06
Glaciated Plains	73	3.7	8.9	3,446	15,673	12,794	936	4.55	3.71	0.97
Osage Cuestas	57	2.9	7.0	2,691	13,927	19,828	909	5.18	7.37	1.08
Region Unknown	3	0.2	0.4	142	755	850	315	5.33	6.00	0.97
Non-Resident										
State	538	40.0		18,416	77,841	109,025	2,618	4.23	5.92	1.33
Northern High Plains	72	5.3	13.4	2,465	9,858	8,181	1,032	4.00	3.32	0.91
Southern High Plains	45	3.3	8.4	1,540	7,086	6,949	503	4.60	4.51	0.66
Smoky Hills	259	19.2	48.1	8,866	39,879	59,151	1,590	4.50	6.67	1.35
South-Central Prairies	79	5.9	14.7	2,704	9,105	13,863	1,288	3.37	5.13	1.67
Flint Hills	58	4.3	10.8	1,985	8,832	17,526	968	4.45	8.83	1.74
Glaciated Plains	13	1.0	2.4	445	1,540	1,814	478	3.46	4.08	1.54
Osage Cuestas	12	0.9	2.2	411	1,540	1,540	507	3.75	3.75	1.53
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

Table 10: All Hunter Activity for Pheasant, 2022-2023 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	1,773	53.3		73,952	305,074	258,729	4,663	4.13	3.50	1.06
Northern High Plains	289	8.7	16.3	12,054	49,260	36,246	1,400	4.09	3.01	0.79
Southern High Plains	175	5.3	9.9	7,299	29,906	25,485	1,298	4.10	3.49	1.04
Smoky Hills	741	22.3	41.8	30,907	136,577	106,903	2,765	4.42	3.46	0.94
South-Central Prairies	338	10.2	19.1	14,098	51,762	68,613	2,385	3.67	4.87	1.61
Flint Hills	121	3.6	6.8	5,047	23,942	10,428	1,355	4.74	2.07	0.80
Glaciated Plains	66	2.0	3.7	2,753	8,425	4,088	1,214	3.06	1.48	0.99
Osage Cuestas	20	0.6	1.1	834	2,002	4,588	627	2.40	5.50	2.22
Region Unknown	23	0.7	1.3	959	3,212	2,377	531	3.35	2.48	0.89
Resident										
State	954	48.3		45,037	208,882	135,773	3,271	4.64	3.01	0.81
Northern High Plains	142	7.2	14.9	6,704	28,514	19,544	822	4.25	2.92	0.64
Southern High Plains	94	4.8	9.9	4,438	19,308	17,184	990	4.35	3.87	1.03
Smoky Hills	403	20.4	42.2	19,025	94,842	60,239	1,884	4.99	3.17	0.78
South-Central Prairies	149	7.5	15.6	7,034	32,433	22,047	1,198	4.61	3.13	0.76
Flint Hills	90	4.6	9.4	4,249	22,660	8,498	1,391	5.33	2.00	0.75
Glaciated Plains	51	2.6	5.3	2,408	7,506	3,966	1,345	3.12	1.65	1.09
Osage Cuestas	13	0.7	1.4	614	1,511	3,399	498	2.46	5.54	2.44
Region Unknown	12	0.6	1.3	567	2,124	897	213	3.75	1.58	0.46
Non-Resident										
State	818	60.8		28,001	98,824	113,851	2,909	3.53	4.07	1.35
Northern High Plains	147	10.9	18.0	5,032	19,751	15,575	974	3.93	3.10	0.94
Southern High Plains	81	6.0	9.9	2,773	10,543	8,455	802	3.80	3.05	1.04
Smoky Hills	337	25.0	41.2	11,536	43,233	44,021	1,788	3.75	3.82	1.14
South-Central Prairies	189	14.0	23.1	6,470	18,964	40,324	1,495	2.93	6.23	2.28
Flint Hills	31	2.3	3.8	1,061	3,218	2,396	499	3.03	2.26	0.92
Glaciated Plains	15	1.1	1.8	513	1,472	479	258	2.87	0.93	0.66
Osage Cuestas	7	0.5	0.9	240	548	1,301	457	2.29	5.43	1.81
Region Unknown	11	0.8	1.3	377	1,095	1,301	420	2.91	3.45	1.35

*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, 2022-2023.

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	113	3.4		4,713	20,063	2,753	730	4.26	0.58	0.18
Northern High Plains	14	0.4	12.4	584	2,795	501	107	4.79	0.86	0.15
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	70	2.1	61.9	2,920	12,722	1,585	159	4.36	0.54	0.08
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	25	0.8	22.1	1,043	2,669	334	278	2.56	0.32	0.20
Glaciated Plains	2	0.1	1.8	83	83	334	4,240	1.00	4.00	4.00
Osage Cuestas	2	0.1	1.8	83	1,794	0	NE	21.50	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	46	2.3		2,172	8,498	2,313	829	3.91	1.07	0.36
Northern High Plains	4	0.2	8.7	189	1,369	472	142	7.25	2.50	0.35
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	25	1.3	54.3	1,180	5,335	1,227	139	4.52	1.04	0.13
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	15	0.8	32.6	708	1,700	236	330	2.40	0.33	0.26
Glaciated Plains	2	0.1	4.3	94	94	378	4,799	1.00	4.00	4.00
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	67	5.0		2,293	10,303	582	109	4.49	0.25	0.06
Northern High Plains	10	0.7	14.9	342	1,301	68	52	3.80	0.20	0.07
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	45	3.3	67.2	1,540	6,572	411	86	4.27	0.27	0.06
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	10	0.7	14.9	342	958	103	61	2.80	0.30	0.12
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.1	3.0	68	1,472	0	NE	21.50	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 12: All Hunter Activity for Cottontail, 2022-2023 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	288	8.7		12,013	64,526	38,665	1,411	5.37	3.22	0.81
Northern High Plains	15	0.5	5.2	626	1,960	2,127	511	3.13	3.40	1.21
Southern High Plains	14	0.4	4.9	584	4,838	5,130	609	8.29	8.79	1.24
Smoky Hills	62	1.9	21.5	2,586	12,138	8,592	627	4.69	3.32	0.88
South-Central Prairies	34	1.0	11.8	1,418	9,218	4,838	258	6.50	3.41	0.46
Flint Hills	49	1.5	17.0	2,044	10,177	7,174	533	4.98	3.51	0.98
Glaciated Plains	43	1.3	14.9	1,794	7,591	3,337	431	4.23	1.86	0.47
Osage Cuestas	71	2.1	24.7	2,961	18,603	7,466	731	6.28	2.52	0.84
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	236	11.9		11,141	62,032	37,248	1,484	5.57	3.34	0.81
Northern High Plains	10	0.5	4.2	472	1,086	1,841	567	2.30	3.90	1.48
Southern High Plains	10	0.5	4.2	472	5,004	5,571	698	10.60	11.80	1.56
Smoky Hills	39	2.0	16.5	1,841	8,875	7,176	657	4.82	3.90	1.08
South-Central Prairies	29	1.5	12.3	1,369	9,442	5,193	288	6.90	3.79	0.49
Flint Hills	42	2.1	17.8	1,983	10,764	6,468	489	5.43	3.26	0.82
Glaciated Plains	41	2.1	17.4	1,936	8,403	3,777	485	4.34	1.95	0.49
Osage Cuestas	65	3.3	27.5	3,069	18,459	7,223	759	6.02	2.35	0.77
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	51	3.8		1,746	7,805	4,621	444	4.47	2.65	0.81
Northern High Plains	5	0.4	9.8	171	822	411	175	4.80	2.40	0.65
Southern High Plains	4	0.3	7.8	137	342	171	91	2.50	1.25	0.46
Smoky Hills	22	1.6	43.1	753	3,355	1,746	162	4.45	2.32	0.52
South-Central Prairies	5	0.4	9.8	171	719	205	52	4.20	1.20	0.31
Flint Hills	7	0.5	13.7	240	548	1,198	223	2.29	5.00	1.95
Glaciated Plains	2	0.1	3.9	68	137	0	NE	2.00	0.00	0.00
Osage Cuestas	6	0.4	11.8	205	1,883	890	286	9.17	4.33	1.56
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, 2022-2023 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	24	0.7		1,001	4,588	3,879	413	4.58	3.88	0.74
Northern High Plains	4	0.1	16.7	167	375	834	254	2.25	5.00	1.75
Southern High Plains	10	0.3	41.7	417	2,878	2,961	320	6.90	7.10	0.89
Smoky Hills	6	0.2	25.0	250	1,126	42	107	4.50	0.17	0.17
South-Central Prairies	2	0.1	8.3	83	125	42	530	1.50	0.50	0.50
Flint Hills	1	0.0	4.2	42	42	0	NE	1.00	0.00	0.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.0	4.2	42	42	0	NE	1.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	16	0.8		755	4,154	4,154	420	5.50	5.50	0.95
Northern High Plains	4	0.2	25.0	189	425	944	288	2.25	5.00	1.75
Southern High Plains	6	0.3	37.5	283	2,738	3,116	362	9.67	11.00	1.02
Smoky Hills	2	0.1	12.5	94	755	47	600	8.00	0.50	0.50
South-Central Prairies	2	0.1	12.5	94	142	47	600	1.50	0.50	0.50
Flint Hills	1	0.1	6.3	47	47	0	NE	1.00	0.00	0.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.1	6.3	47	47	0	NE	1.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	8	0.6		274	753	171	165	2.75	0.63	0.34
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	4	0.3	50.0	137	377	171	206	2.75	1.25	0.69
Smoky Hills	4	0.3	50.0	137	377	0	NE	2.75	0.00	0.00
South-Central Prairies	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

^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, 2022-2023 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	293	8.8		12,221	61,982	52,805	1,940	5.07	4.32	1.10
Northern High Plains	2	0.1	0.7	83	125	0	NE	1.50	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	39	1.2	13.3	1,627	5,172	4,380	747	3.18	2.69	1.35
South-Central Prairies	38	1.1	13.0	1,585	11,303	7,299	498	7.13	4.61	0.84
Flint Hills	48	1.4	16.4	2,002	9,385	8,759	645	4.69	4.38	0.97
Glaciated Plains	78	2.3	26.6	3,253	14,182	9,677	1,269	4.36	2.97	1.07
Osage Cuestas	88	2.6	30.0	3,671	21,814	22,690	1,015	5.94	6.18	1.23
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	269	13.6		12,699	65,620	55,282	2,061	5.17	4.35	1.07
Northern High Plains	1	0.1	0.4	47	94	0	NE	2.00	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	35	1.8	13.0	1,652	5,429	4,721	832	3.29	2.86	1.43
South-Central Prairies	35	1.8	13.0	1,652	12,510	7,837	465	7.57	4.74	0.79
Flint Hills	45	2.3	16.7	2,124	10,433	9,442	583	4.91	4.44	0.83
Glaciated Plains	74	3.7	27.5	3,493	15,626	10,622	1,427	4.47	3.04	1.07
Osage Cuestas	79	4.0	29.4	3,730	21,527	22,660	1,030	5.77	6.08	1.17
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	24	1.8		822	3,286	3,252	574	4.00	3.96	1.49
Northern High Plains	1	0.1	4.2	34	34	0	NE	1.00	0.00	0.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	4	0.3	16.7	137	308	171	146	2.25	1.25	0.71
South-Central Prairies	3	0.2	12.5	103	205	308	566	2.00	3.00	1.44
Flint Hills	3	0.2	12.5	103	137	342	510	1.33	3.33	3.00
Glaciated Plains	4	0.3	16.7	137	308	240	233	2.25	1.75	0.92
Osage Cuestas	9	0.7	37.5	308	2,293	2,191	434	7.44	7.11	1.76
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 2022-2023.

State/Country	Number	Percent	State/Country	Number	Percent
Texas	335	11.04	California	43	1.42
Colorado	325	10.71	Utah	43	1.42
Missouri	288	9.49	Arizona	40	1.32
Oklahoma	194	6.39	Ohio	37	1.22
Arkansas	169	5.57	New Mexico	28	0.92
Louisiana	125	4.12	New Jersey	25	0.82
Michigan	110	3.63	Wyoming	17	0.56
Florida	102	3.36	West Virginia	16	0.53
Minnesota	80	2.64	Idaho	15	0.49
Georgia	79	2.60	Alaska	14	0.46
Mississippi	79	2.60	Montana	13	0.43
North Carolina	74	2.44	South Dakota	12	0.40
South Carolina	71	2.34	Washington	12	0.40
Wisconsin	71	2.34	Maryland	10	0.33
Nebraska	70	2.31	North Dakota	9	0.30
Tennessee	65	2.14	Connecticut	6	0.20
Pennsylvania	64	2.11	Massachusetts	6	0.20
Alabama	62	2.04	Oregon	6	0.20
Virginia	61	2.01	Vermont	6	0.20
Illinois	53	1.75	Nevada	5	0.16
Kentucky	47	1.55	New Hampshire	4	0.13
Indiana	45	1.48	Delaware	3	0.10
New York	45	1.48	Maine	3	0.10
Iowa	44	1.45	Hawaii	2	0.07

Table 16. Regional breakdown of hunting activity as indicated by sample sizes for the 2022-2023 season. Values in () indicate percent of the total active small game hunters from respondents.

Region	Dove	Bobwhite	Pheasant	^a Greater Prairie Chicken (Regular)	^a Lesser Prairie Chicken	Cottontail	Jackrabbit	Squirrel
All Hunters (Resident and Non-Resident)								
State	914 (27)	1,356 (41)	1,773 (53)	113 (3)	4 (0)	288 (9)	24 (1)	293 (9)
Northern High Plains	70 (2)	127 (4)	289 (9)	14 (0)	0 (0)	15 (0)	4 (0)	2 (0)
Southern High Plains	61 (2)	107 (3)	175 (5)	0 (0)	2 (0)	14 (0)	10 (0)	0 (0)
Smoky Hills	252 (8)	571 (17)	741 (22)	70 (2)	1 (0)	62 (2)	6 (0)	39 (1)
South-Central Prairies	172 (5)	214 (6)	338 (10)	0 (0)	1 (0)	34 (1)	2 (0)	38 (1)
Flint Hills	150 (5)	180 (5)	121 (4)	25 (1)	0 (0)	49 (1)	1 (0)	48 (1)
Glaciated Plains	78 (2)	85 (3)	66 (2)	2 (0)	0 (0)	43 (1)	0 (0)	78 (2)
Osage Cuestas	125 (4)	69 (2)	20 (1)	2 (0)	0 (0)	71 (2)	1 (0)	88 (3)
Region Unknown	6 (0)	3 (0)	23 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Resident								
State	806 (41)	818 (41)	954 (48)	46 (2)	2 (0)	236 (12)	16 (1)	269 (14)
Northern High Plains	57 (3)	56 (3)	142 (7)	4 (0)	0 (0)	10 (1)	4 (0)	1 (0)
Southern High Plains	54 (3)	63 (3)	94 (5)	0 (0)	1 (0)	10 (1)	6 (0)	0 (0)
Smoky Hills	220 (11)	310 (16)	403 (20)	25 (1)	0 (0)	39 (2)	2 (0)	35 (2)
South-Central Prairies	147 (7)	135 (7)	149 (8)	0 (0)	1 (0)	29 (1)	2 (0)	35 (2)
Flint Hills	138 (7)	122 (6)	90 (5)	15 (1)	0 (0)	42 (2)	1 (0)	45 (2)
Glaciated Plains	76 (4)	72 (4)	51 (3)	2 (0)	0 (0)	41 (2)	0 (0)	74 (4)
Osage Cuestas	109 (6)	57 (3)	13 (1)	0 (0)	0 (0)	65 (3)	1 (0)	79 (4)
Region Unknown	5 (0)	3 (0)	12 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Non-Resident								
State	108 (8)	536 (40)	818 (61)	67 (5)	2 (0)	51 (4)	8 (1)	24 (2)
Northern High Plains	13 (1)	71 (5)	147 (11)	10 (1)	0 (0)	5 (0)	0 (0)	1 (0)
Southern High Plains	7 (1)	44 (3)	81 (6)	0 (0)	1 (0)	4 (0)	4 (0)	0 (0)
Smoky Hills	32 (2)	259 (19)	337 (25)	45 (3)	1 (0)	22 (2)	4 (0)	4 (0)
South-Central Prairies	25 (2)	79 (6)	189 (14)	0 (0)	0 (0)	5 (0)	0 (0)	3 (0)
Flint Hills	12 (1)	58 (4)	31 (2)	10 (1)	0 (0)	7 (1)	0 (0)	3 (0)
Glaciated Plains	2 (0)	13 (1)	15 (1)	0 (0)	0 (0)	2 (0)	0 (0)	4 (0)
Osage Cuestas	16 (1)	12 (1)	7 (1)	2 (0)	0 (0)	6 (0)	0 (0)	9 (1)
Region Unknown	1 (0)	0 (0)	11 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

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

Prairie Dog Hunter Activity Tables

Table 17. All hunter activity for prairie dog, 2022-2023 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	2.2		3,087	14,390	184,401	22,507	4.66	59.74	15.80
Northern High Plains	31	0.9	41.9	1,293	4,421	69,614	9,197	3.42	53.84	15.03
Southern High Plains	19	0.6	25.7	792	6,257	43,295	3,167	7.89	54.63	8.54
Smoky Hills	13	0.4	17.6	542	2,586	55,808	21,802	4.77	102.92	31.73
South-Central Prairies	11	0.3	14.9	459	1,126	15,683	4,537	2.45	34.18	11.70
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	63	3.2		2,974	15,012	168,725	24,374	5.05	56.73	14.65
Northern High Plains	28	1.4	44.4	1,322	4,579	57,548	8,017	3.46	43.54	12.89
Southern High Plains	19	1.0	30.2	897	7,081	49,003	3,584	7.89	54.63	8.54
Smoky Hills	10	0.5	15.9	472	2,549	55,659	25,669	5.40	117.90	35.88
South-Central Prairies	6	0.3	9.5	283	803	6,515	1,589	2.83	23.00	6.83
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		377	924	28,993	6,246	2.45	77.00	22.39
Northern High Plains	3	0.2	27.3	103	308	15,404	10,440	3.00	150.00	35.00
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	3	0.2	27.3	103	274	5,443	3,517	2.67	53.00	17.89
South-Central Prairies	5	0.4	45.5	171	342	8,147	4,396	2.00	47.60	17.53
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, 2022-2023 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	787	23.7		32,826	234,579	157,915	3,121	7.15	4.81	0.67
Northern High Plains	79	2.4	10.0	3,295	27,946	36,038	789	8.48	10.94	0.96
Southern High Plains	43	1.3	5.5	1,794	21,231	16,100	502	11.84	8.98	0.87
Smoky Hills	171	5.1	21.7	7,132	41,877	25,694	1,036	5.87	3.60	0.60
South-Central Prairies	99	3.0	12.6	4,129	25,402	12,805	616	6.15	3.10	0.63
Flint Hills	133	4.0	16.9	5,547	37,164	23,441	721	6.70	4.23	0.55
Glaciated Plains	117	3.5	14.9	4,880	40,918	17,602	769	8.38	3.61	0.57
Osage Cuestas	135	4.1	17.2	5,631	36,663	25,026	2,534	6.51	4.44	0.80
Region Unknown	10	0.3	1.3	417	3,379	1,210	120	8.10	2.90	0.46
Resident										
State	635	32.1		29,978	237,980	162,776	3,406	7.94	5.43	0.71
Northern High Plains	60	3.0	9.4	2,833	28,561	38,145	819	10.08	13.47	1.06
Southern High Plains	34	1.7	5.4	1,605	22,707	17,609	527	14.15	10.97	1.03
Smoky Hills	135	6.8	21.3	6,373	43,055	27,476	1,102	6.76	4.31	0.65
South-Central Prairies	80	4.0	12.6	3,777	24,879	12,935	636	6.59	3.43	0.66
Flint Hills	109	5.5	17.2	5,146	38,617	24,407	671	7.50	4.74	0.55
Glaciated Plains	104	5.3	16.4	4,910	40,741	14,588	766	8.30	2.97	0.53
Osage Cuestas	106	5.4	16.7	5,004	35,926	26,343	2,855	7.18	5.26	0.89
Region Unknown	7	0.4	1.1	330	3,493	1,275	121	10.57	3.86	0.44
Non-Resident										
State	152	11.3		5,203	19,957	11,570	675	3.84	2.22	0.52
Northern High Plains	19	1.4	12.5	650	2,225	1,917	267	3.42	2.95	0.66
Southern High Plains	9	0.7	5.9	308	958	445	108	3.11	1.44	0.30
Smoky Hills	36	2.7	23.7	1,232	3,149	1,164	293	2.56	0.94	0.41
South-Central Prairies	19	1.4	12.5	650	2,807	1,130	224	4.32	1.74	0.49
Flint Hills	24	1.8	15.8	822	2,499	1,540	360	3.04	1.88	0.58
Glaciated Plains	13	1.0	8.6	445	4,039	3,868	334	9.08	8.69	0.84
Osage Cuestas	29	2.2	19.1	993	4,039	1,438	238	4.07	1.45	0.45
Region Unknown	3	0.2	2.0	103	240	68	128	2.33	0.67	0.50

*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, 2022 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	124	3.7		5,172	14,974	39,208	1,807	2.90	7.58	2.50
Northern High Plains	3	0.1	2.4	125	292	501	718	2.33	4.00	1.33
Southern High Plains	4	0.1	3.2	167	667	1,710	542	4.00	10.25	1.73
Smoky Hills	35	1.1	28.2	1,460	4,171	10,136	1,004	2.86	6.94	2.61
South-Central Prairies	23	0.7	18.5	959	3,212	9,718	852	3.35	10.13	2.65
Flint Hills	20	0.6	16.1	834	1,877	5,798	738	2.25	6.95	2.89
Glaciated Plains	19	0.6	15.3	792	2,377	4,797	681	3.00	6.05	1.80
Osage Cuestas	20	0.6	16.1	834	2,377	6,549	783	2.85	7.85	2.77
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	113	5.7		5,335	15,768	41,261	1,956	2.96	7.73	2.55
Northern High Plains	3	0.2	2.7	142	330	567	812	2.33	4.00	1.33
Southern High Plains	3	0.2	2.7	142	708	1,936	727	5.00	13.67	2.30
Smoky Hills	31	1.6	27.4	1,463	4,438	11,094	1,090	3.03	7.58	2.77
South-Central Prairies	20	1.0	17.7	944	3,257	9,442	901	3.45	10.00	2.45
Flint Hills	20	1.0	17.7	944	2,124	6,562	835	2.25	6.95	2.89
Glaciated Plains	18	0.9	15.9	850	2,644	5,429	752	3.11	6.39	1.90
Osage Cuestas	18	0.9	15.9	850	2,266	6,232	873	2.67	7.33	2.79
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	11	0.8		377	856	2,259	500	2.27	6.00	2.05
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	1	0.1	9.1	34	34	0	NE	1.00	0.00	0.00
Smoky Hills	4	0.3	36.4	137	205	274	300	1.50	2.00	1.38
South-Central Prairies	3	0.2	27.3	103	274	1,130	511	2.67	11.00	3.93
Flint Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Glaciated Plains	1	0.1	9.1	34	34	0	NE	1.00	0.00	0.00
Osage Cuestas	2	0.1	18.2	68	308	856	1,196	4.50	12.50	2.63
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, 2022-2023 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	815	24.5		33,994	199,500	410,763	4,419	5.87	12.08	2.07
Northern High Plains	16	0.5	2.0	667	1,877	3,921	555	2.81	5.88	2.10
Southern High Plains	7	0.2	0.9	292	1,585	2,169	578	5.43	7.43	1.50
Smoky Hills	176	5.3	21.6	7,341	33,994	69,865	1,863	4.63	9.52	2.19
South-Central Prairies	136	4.1	16.7	5,673	32,576	62,315	1,762	5.74	10.99	2.15
Flint Hills	150	4.5	18.4	6,257	34,244	75,412	1,937	5.47	12.05	2.06
Glaciated Plains	89	2.7	10.9	3,712	28,989	49,468	1,024	7.81	13.33	1.24
Osage Cuestas	241	7.2	29.6	10,052	66,236	147,613	2,743	6.59	14.68	2.25
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Resident										
State	468	23.7		22,094	160,274	300,201	3,421	7.25	13.59	1.72
Northern High Plains	9	0.5	1.9	425	1,322	2,785	556	3.11	6.56	2.06
Southern High Plains	6	0.3	1.3	283	1,700	1,888	265	6.00	6.67	0.76
Smoky Hills	81	4.1	17.3	3,824	21,999	40,741	1,424	5.75	10.65	2.02
South-Central Prairies	80	4.0	17.1	3,777	29,270	49,333	1,223	7.75	13.06	1.60
Flint Hills	89	4.5	19.0	4,202	28,184	58,161	1,237	6.71	13.84	1.78
Glaciated Plains	74	3.7	15.8	3,493	29,600	51,552	1,070	8.47	14.76	1.32
Osage Cuestas	129	6.5	27.6	6,090	48,200	95,740	2,311	7.91	15.72	1.82
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Non-Resident										
State	346	25.7		11,844	47,478	119,294	2,539	4.01	10.07	2.53
Northern High Plains	7	0.5	2.0	240	582	1,198	330	2.43	5.00	2.14
Southern High Plains	1	0.1	0.3	34	68	411	NE	2.00	12.00	6.00
Smoky Hills	95	7.1	27.5	3,252	11,947	27,795	1,139	3.67	8.55	2.34
South-Central Prairies	56	4.2	16.2	1,917	5,511	15,370	1,042	2.88	8.02	2.94
Flint Hills	61	4.5	17.6	2,088	7,668	19,717	1,309	3.67	9.44	2.46
Glaciated Plains	15	1.1	4.3	513	2,328	3,218	348	4.53	6.27	0.88
Osage Cuestas	111	8.2	32.1	3,800	19,375	51,586	1,443	5.10	13.58	2.74
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, 2022-2023 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	665	20.0		27,737	149,782	342,775	7,745	5.40	12.36	2.18
Northern High Plains	17	0.5	2.6	709	2,211	6,507	1,880	3.12	9.18	3.28
Southern High Plains	11	0.3	1.7	459	1,919	10,553	3,660	4.18	23.00	7.48
Smoky Hills	143	4.3	21.5	5,965	27,946	64,943	2,304	4.69	10.89	2.07
South-Central Prairies	132	4.0	19.8	5,506	32,743	69,531	2,627	5.95	12.63	2.34
Flint Hills	123	3.7	18.5	5,130	26,569	56,309	2,267	5.18	10.98	1.87
Glaciated Plains	86	2.6	12.9	3,587	23,066	69,239	5,025	6.43	19.30	2.30
Osage Cuestas	147	4.4	22.1	6,131	33,785	63,650	1,909	5.51	10.38	1.79
Region Unknown	6	0.2	0.9	250	1,543	2,044	674	6.17	8.17	2.16
Resident										
State	426	21.6		20,111	127,653	289,627	7,752	6.35	14.40	2.02
Northern High Plains	9	0.5	2.1	425	1,558	4,060	744	3.67	9.56	2.65
Southern High Plains	10	0.5	2.3	472	1,936	11,283	4,190	4.10	23.90	7.95
Smoky Hills	78	3.9	18.3	3,682	21,244	52,591	2,157	5.77	14.28	2.21
South-Central Prairies	84	4.3	19.7	3,966	30,261	56,131	1,604	7.63	14.15	1.73
Flint Hills	77	3.9	18.1	3,635	22,849	50,041	2,100	6.29	13.77	1.67
Glaciated Plains	75	3.8	17.6	3,541	23,746	70,719	5,651	6.71	19.97	2.32
Osage Cuestas	88	4.5	20.7	4,154	24,454	43,432	1,505	5.89	10.45	1.45
Region Unknown	5	0.3	1.2	236	1,605	1,369	430	6.80	5.80	1.26
Non-Resident										
State	238	17.7		8,147	30,294	71,097	2,973	3.72	8.73	2.46
Northern High Plains	8	0.6	3.4	274	685	2,396	1,678	2.50	8.75	4.00
Southern High Plains	1	0.1	0.4	34	171	479	NE	5.00	14.00	2.80
Smoky Hills	65	4.8	27.3	2,225	7,531	15,164	1,094	3.38	6.82	1.90
South-Central Prairies	48	3.6	20.2	1,643	4,929	16,362	1,751	3.00	9.96	3.40
Flint Hills	46	3.4	19.3	1,575	5,237	9,927	1,096	3.33	6.30	2.20
Glaciated Plains	11	0.8	4.6	377	1,712	5,545	660	4.55	14.73	2.15
Osage Cuestas	58	4.3	24.4	1,985	9,927	20,538	1,101	5.00	10.34	2.28
Region Unknown	1	0.1	0.4	34	103	685	NE	3.00	20.00	6.67

*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

^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 2022-2022 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		167	334	167	265	2.00	1.00	0.50
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
South-Central Prairies	1	0.0	25.0	42	42	0	NE	1.00	0.00	0.00
Flint Hills	1	0.0	25.0	42	83	167	NE	2.00	4.00	2.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	2	0.1	50.0	83	209	0	NE	2.50	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 23: All Hunter Activity for Snipe, for 2022-2023 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		167	667	417	780	4.00	2.50	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	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
South-Central Prairies	2	0.1	50.0	83	459	167	212	5.50	2.00	0.20
Flint Hills	1	0.0	25.0	42	42	250	NE	1.00	6.00	6.00
Glaciated Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Osage Cuestas	1	0.0	25.0	42	167	0	NE	4.00	0.00	0.00
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 24: All Hunter Activity for Rail for 2022-2023 Season.

Region	Sample Size	% Active SG Hunter ^a	% Active in Region	Est. Total Hunters	Est. Total Days	Est. Total Harvest	CI (+/-) ^b	Season Days per Hunter	Season Bag per Hunter	Average Bag per Day
All Hunters (Resident and Non-Resident)										
State	2	0.1		83	292	751	1,590	3.50	9.00	1.50
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	1	0.0	50.0	42	42	0	NE	1.00	0.00	0.00
South-Central Prairies	1	0.0	50.0	42	250	751	NE	6.00	18.00	3.00
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

^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 2022-2023 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	20	0.6		834	1,502	834	346	1.80	1.00	0.45
Northern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	13	0.4	65.0	542	1,043	417	246	1.92	0.77	0.31
South-Central Prairies	7	0.2	35.0	292	459	417	300	1.57	1.43	0.71
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 2022-2023 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	5	0.2		209	501	542	417	2.40	2.60	1.33
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	83	125	167	265	1.50	2.00	1.25
South-Central Prairies	1	0.0	20.0	42	83	334	NE	2.00	8.00	4.00
Flint Hills	1	0.0	20.0	42	250	42	NE	6.00	1.00	0.17
Glaciated Plains	1	0.0	20.0	42	42	0	NE	1.00	0.00	0.00
Osage Cuestas	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Region Unknown	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE

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

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

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

Table 27: All Hunter Activity for Crow, for 2022-2023 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	57	1.7		2,377	7,466	19,729	2,798	3.14	8.30	3.01
Northern High Plains	1	0.0	1.8	42	83	125	NE	2.00	3.00	1.50
Southern High Plains	0	0.0	NE	NE	NE	NE	NE	NE	NE	NE
Smoky Hills	4	0.1	7.0	167	542	1,502	1,045	3.25	9.00	4.21
South-Central Prairies	5	0.2	8.8	209	792	1,418	1,356	3.80	6.80	3.82
Flint Hills	13	0.4	22.8	542	2,252	3,379	665	4.15	6.23	1.58
Glaciated Plains	16	0.5	28.1	667	1,251	4,630	1,608	1.88	6.94	3.38
Osage Cuestas	18	0.5	31.6	751	2,544	8,676	2,118	3.39	11.56	3.31
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