

Dr. Jeffrey J. Lusk Upland Game Program Manager 25 July 2016

The spring turkey hunter survey is conducted each year at the end of the spring season. In 2016, the spring season closed on 31 May. The objective of the survey is to obtain information on the spring turkey harvest and success, to determine age and sex of the harvest, and to assess characteristics of the hunt and hunters (e.g., satisfaction). This year's survey was available to hunters from 20 June to 6 July 2016, inclusive. A summary of estimated harvest and success is available in a separate report, 2016 Spring Wild Turkey Harvest.

Caveats. The spring Wild Turkey Hunter Survey samples spring turkey hunters who provided valid email addresses at the time they purchased their permit(s). As such, the sample frame may be biased and not strictly generalizable to the population of all spring turkey hunters. For the spring 2016 season, however, 65.2% of all permits sold were associated with an email address. After accounting for individuals who purchased multiple permits, 64.4% of unique, individual permit buyers provided an email address. A reminder email was sent to all non-respondents one week after the initial invitation was sent, but no further attempts were made to contact hunters who failed to respond to the survey. Therefore, results might be biased toward successful hunters, if successful hunters respond more readily to harvest surveys. However, it is likely that such biases are small given the proportion of permit buyers sampled and the response rate (see 2016 Spring Wild Turkey Harvest report).

Interpretations. During the spring 2016 turkey season, non-resident hunters came largely from Colorado and Minnesota, and resident hunters from Lancaster and Douglas Counties. Most non-resident turkey hunters had hunted turkeys in other states, primarily Kansas, in addition to hunting in Nebraska. Residents and non-residents combined averaged 5.7 days afield during the spring season. More non-residents (46%) reported pursuing Merriam's turkeys than residents (20%). Similarly, more non-residents (40%) thought they had harvested a Merriam's turkey than did residents (24%). More hunters rated the number of turkeys they observed as "Moderate" than "Low" or "High," but more rated the number of hunters encountered as "Low" than either "Moderate" or "High." Based on their spring 2016 experiences, 97% of hunters would hunt turkey in Nebraska again. Most hunters agreed or strongly agreed with the statement, "Overall I was satisfied with the quality of my hunting experience." Availability of permits and turkey population abundance were the most important factors influencing hunters' decisions to hunt in Nebraska.

Take-home Message: Spring turkey hunting continues to be popular with hunters and remains a satisfying experience.

Methods. This year's survey was composed and administered in-house using Snap Survey development software (Snap v11) and Snap Webhosting service. An initial invitation to participate in the survey for the spring 2016 season was sent to 17,107 (64.4% of unique permit buyers) permit buyers, but 832 were bounced back as undeliverable, giving an effective sample size of 16,275 permitted hunters. Initial invitations were emailed on 20 June 2016, and a reminder email was sent to all non-responding hunters on 27 June 2016. The survey was closed on 6 July 2016. The survey was also available on the NGPC website for hunters who did not have valid emails associated with their permits. The website survey was open over the same period as the invitation-only version. At the end of the survey period, responses had been received from 4,509 spring turkey hunters, representing 6,421 individual permits for the spring 2016 season. The raw response rate was, therefore, 27.7% and the permit response rate was 39.5%. Each survey respondent represented 5.3 spring 2016 permit buyers.

Results. Below are figures and tables that summarize hunter responses to survey questions. In most cases, the results are presented for residents, non-residents, and all hunters combined.

Job: E2

2016

Table 1. Statistics on how long survey respondents spent (in minutes) taking the survey.

Counto		Descriptive St	atistics			
Counts Respondents	Total	Minimum	Maximum	Median	Mean	Standard Deviation
Duration of interview (min)	4509	0.5	633.0	7.1	8.8	13.2

Table 0	Top top states	in which opring 2016	and regident turks	v huntara raaidad
Table 2.	Top ten states	in which spring 2016	S non-resident turke	y numers resided.

State of residence	
Colorado	574
Minnesota	241
Missouri	126
Iowa	122
Arkansas	104
Wisconsin	94
Illinois	77
Indiana	76
Mississippi	66
Florida	52

Table 3. Among Nebraska residents, top 10 counties of residence.

County	
Lancaster	318
Douglas	306
Sarpy	178
Buffalo	89
Hall	63
Seward	58
Saunders	52
Adams	51
Lincoln	46
Platte	45
L	

	Resident				Non-resident			Total				
Number of Permits	0	1	2	3	0	1	2	3	0	1	2	3
\$5.00 Statewide	1897	266	74	24	2009	138	59	42	3906	404	133	66
Youth Permit	84%	12%	3%	1%	89%	6%	3%	2%	87%	9%	3%	1%
Statewide Regular or	294	1506	305	156	342	1086	577	243	636	2592	882	399
Landowner Permit	13%	67%	13%	7%	15%	48%	26%	11%	14%	57%	20%	9%

Table 4. Number of permits purchased by resident, non-resident, and all hunters for the 2016 springturkey season.

Table 5. Resident, non-resident, and total number of hunters reporting hunting wild turkey in statesother than Nebraska during the spring 2016 season.

Did you hunt turkeys during the spring 2016 season in any state other than Nebraska?	Resident	Non-resident	Total
Yes	115	1536	1651
	5%	68%	37%
No	2144	709	2853
	95%	32%	63%

Table 6. State most frequently hunted by resident, non-resident, and all hunters who indicated that they hunted in states other than Nebraska during the spring 2016 turkey season.

Residen	Resident		nt	Total	
Kansas	31	Kansas	204	Kansas	235
lowa	13	Colorado	137	Colorado	137
South Dakota	5	Minnesota	122	Minnesota	122
Texas	4	Missouri	113	Missouri	116
Missouri	3	Iowa	96	Iowa	109
Oklahoma	3	Wisconsin	92	Wisconsin	92
Florida	1	Mississippi	53	South Dakota	58
Idaho	1	South Dakota	53	Mississippi	53
Michigan	1	Indiana	52	Indiana	52
West Virginia	1	Illinois	51	Illinois	51

Did you hunt turkeys in Nebraska during the spring 2016 season?	Resident	Non-resident	Total
Yes	2,157	2,202	4,359
	95%	98%	97%
No	104	46	150
	5%	2%	3%

Table 8. Total and average number of days afield during the 2016 spring turkey season reported by resident, non-resident, and total hunter respondents who hunted.

How many days did you hunt turkeys during the 2016 spring season?	Resident	Non-resident	Total	
Total	12,358	12,308	24,666	
Days per hunter	5.7	5.6	5.7	

Table 9. Top 10 counties resident, non-resident, and all hunters reported hunting in most frequentlyduring the 2016 spring turkey hunting season.

Resident		Non-Re	esident	Total	
Lancaster	115	Dawes	144	Knox	207
Knox	102	Lincoln	140	Lincoln	203
Custer	65	Custer	108	Dawes	176
Lincoln	63	Knox	105	Custer	173
Buffalo	61	Unknown	90	Holt	129
Otoe	61	Frontier	82	Lancaster	129
Cass	58	Cherry	80	Frontier	123
Saunders	58	Holt	77	Cherry	113
Washington	55	Red Willow	63	Unknown	94
Holt	52	Sheridan	60	Red Willow	89

Subspecies	Resident	Non-resident	Total
Respondents	2,141	2,187	4,328
Eastern	272	197	469
	13%	9%	11%
Merriam's	429	1,008	1,437
	20%	46%	33%
Rio Grande	59	299	358
	3%	14%	8%
No particular subspecies	1,525	987	2,512
	71%	45%	58%

Table 10. Turkey sub-species resident, non-resident and total hunters reported pursuing during the2016 spring turkey season.

Table 11. Top 10 counties of harvest for the <u>first</u> turkey harvested for resident, non-resident, andtotal hunters during the 2016 spring turkey season.

Resident		Non-re	esident	Total	
Knox	65	Lincoln	113	Lincoln	156
Custer	55	Custer	97	Custer	152
Lancaster	51	Dawes	79	Knox	142
Lincoln	43	Knox	77	Holt	94
Buffalo	35	Cherry	67	Cherry	92
Otoe	35	Holt	61	Dawes	87
Holt	33	Frontier	60	Frontier	87
Cass	32	Harlan	44	Red Willow	64
Gage	32	Boyd	42	Lancaster	60
Sarpy	31	Red Willow	42	Harlan	56

Table 12. Top 10 counties of harvest for the <u>second</u> turkey harvested for resident, non-resident, and total hunters during the 2016 spring turkey season.

Resident		Non-res	sident	Total		
Custer	15	Lincoln	57	Lincoln	71	
Knox	15	Custer	40	Custer	55	
Lincoln	14	Dawes	35	Knox	48	
Lancaster	9	Knox	33	Dawes	37	
Buffalo	8	Holt	30	Holt	35	
Harlan	8	Frontier	29	Cherry	34	
Otoe	8	Cherry	28	Frontier	34	
Saunders	7	Unknown	21	Boyd	23	
Cass	6	Boyd	19	Harlan	22	
Cherry	6	Red Willow	18	Unknown	21	

Table 13.	Top 10 counties of harvest for the third turkey harvested for resident, non-resident, and
total hunt	ers during the 2016 spring turkey season.

Resident		Non-re	esident	Total		
Custer	9	Lincoln	16	Custer	21	
Knox	4	Knox	13	Lincoln	18	
Buffalo	3	Custer	12	Knox	17	
Dawson	3	Harlan	9	Harlan	10	
Howard	3	Dawes	8	Dawes	9	
Otoe	3	Frontier	8	Dawson	9	
Sheridan	3	Red Willow	8	Frontier	8	
Cass	2	Dawson	6	Holt	8	
Douglas	2	Holt	6	Red Willow	8	
Holt	2	Hayes	5	Hayes	6	

Table 14. Hunting activity and timing of harvest by week of season for resident, non-resident, andtotal hunters during the 2016 spring turkey season.

	Res	ident	Non-r	esident	Total		
Week of season	Hunted	Harvested	Hunted	Harvested	Hunted	Harvested	
OF March & April	348	117	251	141	599	258	
25 March-8 April	7%	2%	9%	5%	8%	3%	
	456	135	191	84	647	219	
9 April-31 May	9%	3%	7%	3%	8%	3%	
16.00 April	965	274	534	350	1499	624	
16-22 April	18%	5%	20%	13%	19%	8%	
23-29 April	894	262	470	275	1364	537	
	17%	5%	17%	10%	17%	7%	
Annil C Mari	771	168	408	249	1179	417	
April-6 May	15%	3%	15%	9%	15%	5%	
7.40 Ман	635	149	279	188	914	337	
7-13 May	12%	3%	10%	7%	12%	4%	
44.00 Ман	522	117	238	153	760	270	
14-20 May	10%	2%	9%	6%	10%	3%	
04.04 Ман	420	116	190	104	610	220	
21-31 May	8%	2%	7%	4%	8%	3%	

2016

	Resident	Non-resident	Total
Respondents	1237	1615	2852
Eastern Wild Turkey	391	181	572
	32%	11%	20%
Rio Grande Wild Turkey	165	306	471
	13%	19%	17%
Merriam's Wild Turkey	293	639	932
	24%	40%	33%
A mixture of one or more of these	256	459	715
(hybrid)	21%	28%	25%
Do not remember	132	30	162
	10%	2%	5%

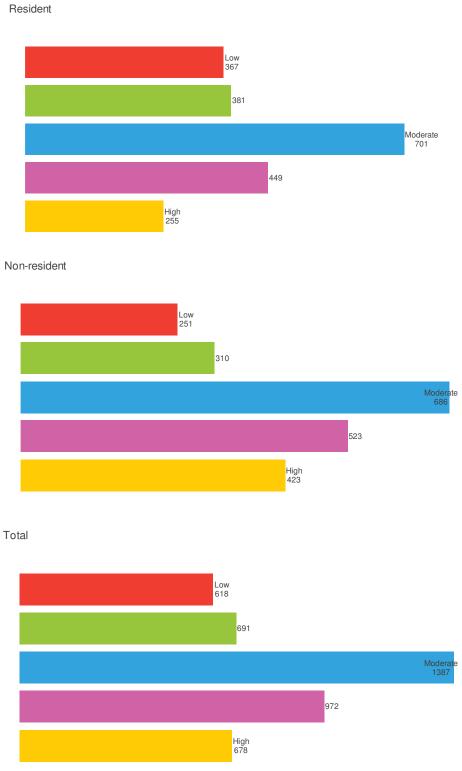
Table 15. Subspecies of wild turkey resident, non-resident, and total hunters purported as the lastturkey they harvested during the 2016 spring turkey season.

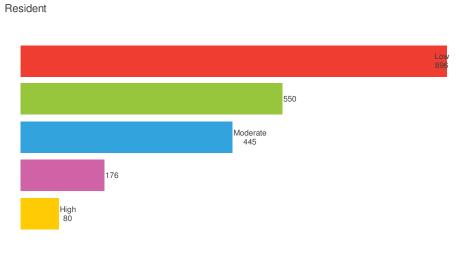
Table 16. Number of turkeys harvested by age and sex by resident, non-resident, and total huntersduring the 2016 spring turkey season. Percentages may not sum to 100% due to rounding errors.

	Resident				Non-resident			Total				
Number harvested	0	1	2	3	0	1	2	3	0	1	2	3
Respondents	2223	1060	209	64	2555	1130	438	162	4778	2190	647	226
	132	817	169	61	98	891	404	158	230	1708	573	219
Adult males (toms)	11%	69%	14%	5%	6%	57%	26%	10%	8%	63%	21%	8%
Juvenile males	599	222	37	2	745	223	28	3	1344	445	65	5
(jakes)	70%	26%	4%	0%	75%	22%	3%	0%	72%	24%	3%	0%
	745	19	1	-	858	16	1	-	1603	35	2	-
Bearded hens	97%	2%	0%	-	98%	2%	0%	-	98%	2%	0%	-
Unknown age/sex	747	2	2	1	854	-	5	1	1601	2	7	2
	99%	0%	0%	0%	99%	-	1%	0%	99%	0%	0%	0%

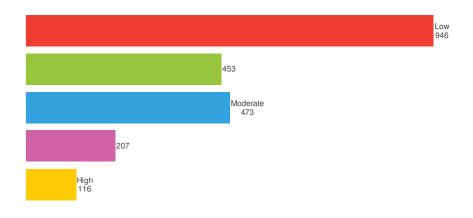
Table 17. Allocation of harvest by residents, non-residents, and total hunters between private landwhere permission was required to hunt and public lands during the 2016 spring season.Percentages may not sum to 100% due to rounding errors.

	Resident				Non-resident			Total				
Turkeys harvested	0	1	2	3	0	1	2	3	0	1	2	3
Respondents	906	941	216	88	1004	1028	458	173	906	941	216	88
Private land where	100	848	192	83	163	846	400	157	100	848	192	83
permission was required?	11%	90%	89%	94%	16%	82%	87%	91%	11%	90%	89%	94%
Land open to	806	93	24	5	841	182	58	16	806	93	24	5
public hunting?	89%	10%	11%	6%	84%	18%	13%	9%	89%	10%	11%	6%

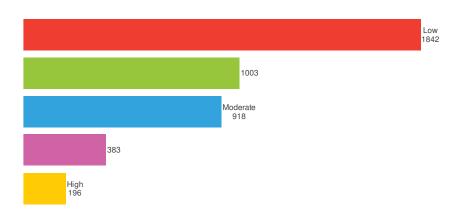




Non-resident







"I saw too many hunters."

		2016

Table 18. Resident, non-resident, and total number of hunters who would hunt turkeys in Nebraska
again in the future given their experiences during the 2016 spring season.

	Resident	Non-resident	Total
Respondents	2154	2200	4354
Yes	2125	2107	4232
	99%	96%	97%
No	29	93	122
	1%	4%	3%

Figure 3. Hunter agreement with the statement, "I saw too many hunters," regarding their experiences during the spring 2016 turkey season.

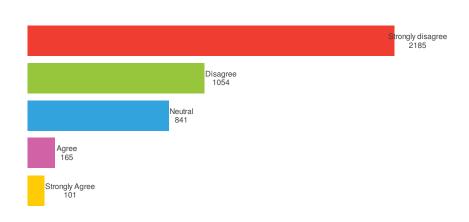
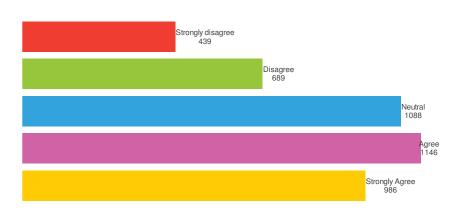
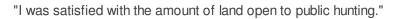


Figure 4. Hunter agreement with the statement, "I was satisfied with the number of turkeys I saw," regarding their experiences during the spring 2016 turkey season.



"I was satisfied with the number of turkeys I saw."



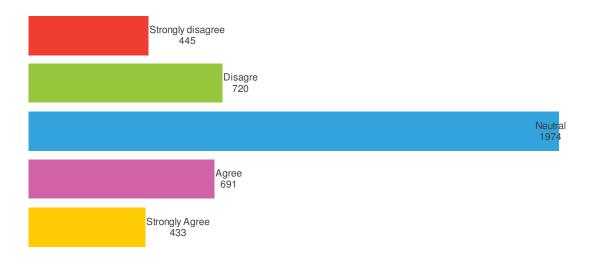
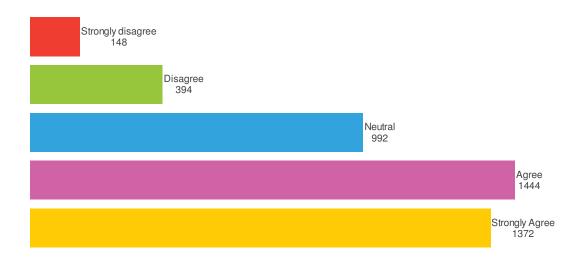


Figure 6. Hunter agreement with the statement, "Overall, I was satisfied with the quality of my hunting experience," regarding their experiences during the 2016 spring turkey season.

"Overall, I was satisfied with the quality of my hunting experience."

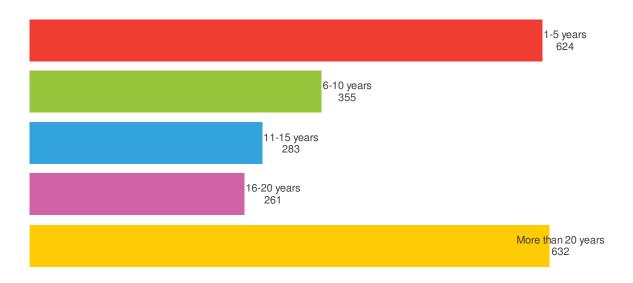


	Hunters Accompanying	Number Accompanied
Respondents	1709	
Youth hunters less than 16 years old	832	812
	49%	
New adult hunters at least 16 years old	570	552
	33%	
Women	515	482
	30%	
Apprentice license holders	151	127
	9%	

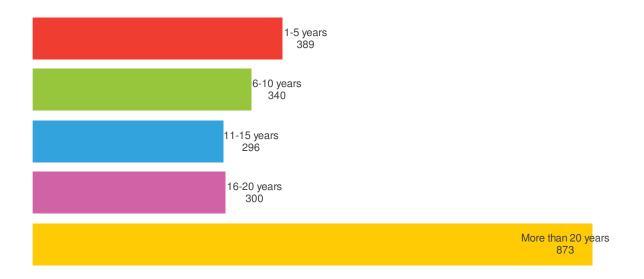
Table 19. Number of hunters accompanying youth, novice, women, and apprentice hunters afield, and the number they reported accompanying during the spring 2016 turkey season.

Figure 7. Resident, non-resident, and total number of years of experience hunting turkeys reported by hunters who hunted during the 2016 spring turkey season.

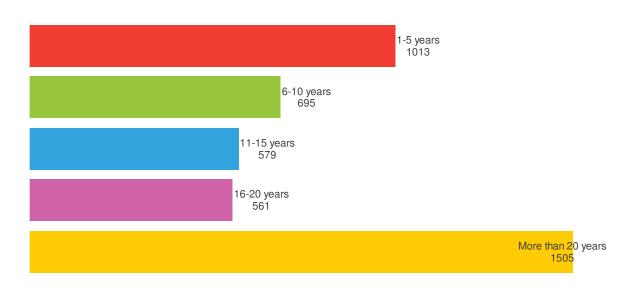
Resident



Non-resdident



Total



	Resident	Non-resident	Total
Respondents	2133	2200	4333
Availability of public land to hunt	368	566	934
	17%	26%	22%
Family and/or friends who live in state	987	897	1884
	46%	41%	43%
Ability to hunt a different or particular	213	936	1149
subspecies of turkey	10%	43%	27%
Availability of permits	1148	1273	2421
i de la constante de	54%	58%	56%
Permit costs	722	537	1259
i de la constante de	34%	24%	29%
Number of permits allowed per hunter	534	823	1357
i de la constante de	25%	37%	31%
Hunter success rate	617	813	1430
	29%	37%	33%
Turkey population abundance	1078	1285	2363
	51%	58%	55%
Other	353	214	567

Table 20. Factors influencing resident, non-resident, and total hunters' decisions to hunt turkeys inNebraska during the 2016 spring season.

Figure 8. Word cloud of hunters' "Other" responses regarding the factors influencing their decision to hunt wild turkeys in Nebraska during the spring 2016 season.

17%

10%

13%

If other, please provide further details.

hunting turkey time hunt state friends land live turkeys Nebraska

	Resident	Non-resident	Total
Respondents	2132	2197	4329
Hotel/motel	96	698	794
	5%	32%	18%
Commercial campground (e.g., KOA)	3	29	32
	0%	1%	1%
Public camping site (e.g., state parks)	75	230	305
	4%	10%	7%
Private residence of family or friends	1419	914	2333
	67%	42%	54%
Other	539	326	865
	25%	15%	20%

Table 21. Type of lodging resident, non-resident, and total hunters used when hunting turkeys inNebraska during the 2016 spring season.

Figure 9. Word cloud of hunters' "Other" responses regarding the type of lodging resident and nonresident hunters used while hunting wild turkeys in Nebraska during the spring 2016 season.



Other locations where resident hunters stayed while hunting

Other locations where non-resident hunters stayed while hunting

house land cabin hunting home Camped residence Outfitter Camp privatelogge