- GAME PARKS -

Dr. Jeffrey J. Lusk Upland Game Program Manager 4 April 2017

The fall 2016 turkey hunter survey is conducted each year at the end of the fall season. The season closes on 31 January 2017. The objective of the survey is to obtain information on the fall turkey harvest and success, and to assess characteristics of the hunt and hunters (e.g., satisfaction). This year's survey was available to hunters between 20 March and 3 April 2017, inclusive. A summary of hunter harvest and success is provided in a separate report, *2016 Fall Wild Turkey Harvest*.

Caveats. The fall Wild Turkey Hunter Survey samples primarily fall turkey hunters who provided valid email addresses at the time they purchased their permit(s). Additionally, the survey is also available on the Game & Parks website to anyone who wishes to complete it. Although the website version is promoted through various media avenues, participation is low. As such, the results might be biased and not strictly generalizable to the population of all fall turkey hunters. For the fall 2016 season, however, 65.7% of unique permit buyers provided an email address.

Interpretations. Total permit sales were down 12% for the fall 2016 season (8,589 permits sold) compared to the fall 2015 season (9,744 permits sold). However, some hunters purchased 2 permits for the fall season, after accounting for these extra permits, there were 8,188 turkey hunters in 2016 who purchased at least one fall permit. For the fall 2015 season, there were 9,230 individual turkey hunters, resulting in an 11.3% decline in actual fall turkey hunters between 2015 and 2016. The percentage of hunters who purchased multiple permits declined slightly from 5.3% in 2015 to 4.9% in 2016. Survey response rates (21.4% raw response, 25.3% permit response) were comparable to previous years' surveys. Colorado topped the list of states from which non-resident hunters originated, and 19% of non-resident hunters had been Nebraskans at some point in the past. Nebraska turkey hunters continue to be loyal to the state, with only 2% of residents and 23% of non-residents turkey hunting in other states (mostly Kansas and Colorado). The average fall turkey hunter spent 6.4 days afield during the 2016 fall season. Most (76%) hunters were pursuing no particular sub-species. Further, most hunters said that plumage coloration (73%) and genetic purity (72%) of their harvested turkey was somewhat unimportant or not important at all, although there was some variation depending on the sub-species they reported pursuing. Regardless of residency, most hunters (98% of both resident and non-resident hunters) said that they would hunt turkeys in Nebraska again. Turkey abundance, availability of permits, and family or friends to stay with, were the top reasons non-residents gave for choosing to hunt turkeys in Nebraska. Hunters did not feel overcrowded (81%) and were satisfied with their hunting experience (63%). Private residence of family or friends and motels topped the list of where non-resident hunters stayed while hunting turkeys in Nebraska.

Take-home Message. Although the popularity of the fall season continues to decline along with harvest success (see 2016 Fall Turkey Harvest Report), turkey hunters continue to be satisfied with their hunting experiences during the fall season. Most fall turkey hunters are not pursuing particular sub-species, and neither the feather coloration nor the genetic purity of the harvested turkey was of much importance to them.

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 fall 2016 season was sent to 5,356 (65.4% of unique permit buyers) permit buyers, but 251 were bounced back as undeliverable, giving an effective sample size of 5,105 permitted hunters. Initial invitations were emailed on 20 March 2017, and a reminder email was sent to all non-responding hunters on 27 March 2017. The survey was closed on 3 April 2017. 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 1,114 spring turkey hunters, 1,091 from the invitation-only version and 23 from the website version. These responses represent 1,291 individual permits for the fall 2016 season. The raw response rate was, therefore, 21.4% and the permit response rate was 25.3%. Each survey respondent represented 6.653 fall 2016 permit buyers.

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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.

Table 1. Minimum, maximum, mean, and median time (in minutes) participants took to complete the survey.

Counts		Descriptive	Descriptive Statistics				
Respondents	Total	Minimum	Maximum	Mean	Median	Standard Error of the Mean	
Duration of interview	1114	0.48	193.62	6.5	4.9	0.31	

 Table 2. Top ten states of residence for non-resident hunters during the 2016 fall season.

Total	202			
Please select your state				
of residence.				
Colorado	74			
California	12			
Texas	9			
Utah	9			
Minnesota	8			
Wyoming	8			
Louisiana	5			
Nevada	5			
Pennsylvania	5			
South Dakota	5			
Wisconsin	5			

Table 3. Number and percent of non-resident hunters who reported being a Nebraska resident as some point in the past.

Counts	
Respondents	
Total	199
Were you ever a resident of the state of Nebraska?	
Yes	37
	19%
No	162
	81%

Respondents				
Total	912			
In which Nebraska county do you reside?				
Lancaster	130			
Douglas	121			
Sarpy	69			
Buffalo	42			
Lincoln	36			
Hall	35			
Dawson	26			
Adams	23			
Saunders	23			
Seward	22			

Table 5. Number and type (regular, youth) of permits purchased for the fall 2016 season overall, and byresidents and non-residents.

Counts Analysis %	Overall		Resident			Non-resident			
Respondents	0	1	2	0	1	2	0	1	2
Total	1102	961	165	881	823	120	221	138	45
	49%	43%	7%	48%	45%	7%	55%	34%	11%
Vouth Dormaite	912	166	36	737	149	26	175	17	10
Youth Permits	82%	15%	3%	81%	16%	3%	87%	8%	5%
Desular/Landauman	190	795	129	144	674	94	46	121	35
Regular/Landowner	17%	71%	12%	16%	74%	10%	23%	60%	17%

Table 6. Number and percent of residents and non-residents (and overall) who indicated they hunted turkeys in other states than Nebraska during the 2016 fall season.

Did you hunt turkeys during the fall 2016 season in any other state?	Overall	Resident	Non-resident
	1112	910	202
Yes	62	16	46
	6%	2%	23%
No	1050	894	156
	94%	98%	77%

Table 7. Top ten states where hunters who hunted in other states reported hunting. Due t	o low
response rates to this question ($n = 51$) responses are not displayed by residency.	

County	All Hunters
Kansas	10
Colorado	9
Pennsylvania	5
Texas	4
Minnesota	3
South Dakota	3
Illinois	2
New York	2
Virginia	2
Wisconsin	2

Table 8. Number and percent of resident and non-resident hunters who reported going afield to huntduring the fall 2016 turkey season.

Did you hunt wild turkeys in Nebraska during the fall 2016 season?	Overall	Resident	Non-resident
Total	1114	912	202
Yes 932		752	180
	84%	82%	89%
No	182	160	22
	16%	18%	11%

Table 9. Total and average number of days afield reported by resident and non-resident hunters who hunted during the 2016 fall turkey season.

How many days did you hunt turkeys in Nebraska in the fall of 2016?	Overall	Resident	Non-resident
Total Responses	1114	912	202
Total Days	5949	5215	734
Days per Hunter	6.4	6.95	4.08

Overall Resident			Non-resident		
Dawes	27	Dawes	20	Unknown	8
Red Willow	17	Buffalo	13	Dawes	7
Custer	16	Custer	11	Red Willow	7
Buffalo	15	Dawson	11	Custer	5
Lincoln	15	Lincoln	11	Cherry	4
Dawson	11	Red Willow	10	Furnas	4
Holt	10	Holt	8	Lincoln	4
Cherry	9	Cass	7	Chase	3
Unknown	9	Harlan	7	Dundy	3
Keya Paha	8	Douglas	6	Hitchcock	3

Table 10. Top ten counties and number of respondents where resident and non-resident hunters indicated that they harvested most of their turkeys during the 2016 fall turkey season.

Table 11. Number and percent of resident and non-resident hunters who reported pursuing a particular sub-species of wild turkey during the 2016 fall season. Hunters were allowed to select more than one sub-species, so responses will not equal Total Respondents. Percentages are based on total responses, not respondents.

Sub-species	Overall	Resident	Non-resident
Total Respondents	925	747	178
Eastern	61	51	10
	6%	7%	6%
Merriam's	168	121	47
	17%	16%	25%
Rio Grande	34	19	15
	4%	2%	8%
No particular sub-species	700	587	113
	73%	75%	61%

Importance of		Which sub-species	of wild turkey were	you pursuing?	
feather					No particular
coloration	Total	Eastern	Merriam's	Rio Grande	sub-species
Total	924	61	168	34	699
Very	31	2	17	5	11
Important	3%	3%	10%	15%	2%
	67	10	23	6	33
	7%	16%	14%	18%	5%
Neutral	161	13	49	10	101
	17%	21%	29%	29%	14%
	103	8	20	2	76
	11%	13%	12%	6%	11%
Not Important	562	28	59	11	478
at all	61%	46%	35%	32%	68%

Table 12. Hunter reported importance that a turkey they have harvested has the correct plumagecoloration for pursued sub-species by sub-species pursued.

Table 13. Resident hunter-reported importance that a turkey they have harvested has the correctplumage coloration for the sub-species pursued by sub-species pursued.

Importance of		Which sub-species	s of wild turkey wer	e you pursuing? (Re	esidents)	
feather					No particular	
coloration	Total	Eastern	Merriam's	Rio Grande	sub-species	
Total	746	51	121	19	586	
Very Important	22	1	11	3	9	
	3%	2%	9%	16%	2%	
	45	8	17	2	23	
	6%	16%	14%	11%	4%	
Neutral	133	12	39	7	85	
	18%	24%	32%	37%	15%	
	83	6	14	1	65	
	11%	12%	12%	5%	11%	
Not Important	463	24	40	6	404	
at all	62%	47%	33%	32%	69%	

Importance of		Which sub-species	of wild turkey were	you pursuing? (Nor	n-residents)	
feather					No particular	
coloration	Total	Eastern	Merriam's	Rio Grande	sub-species	
Total	178	10	47	15	113	
Very	9	1	6	2	2	
Important	5%	10%	2%			
	22		6	4	10	
	12%	20%	13%	27%	9%	
Neutral	28	1	10	3	16	
	16%	10%	21%	20%	14%	
	20	2	6	1	11	
	11%		13%	7%	10%	
Not Important	99	4	19	5	74	
at all	56%	40%	40%	33%	65%	

Table 14. Non-resident hunter-reported importance that a turkey they have harvested has the correctplumage coloration for the sub-species pursued by sub-species pursued.

Table 15. Hunter reported importance that a turkey they have harvested is a genetically pure specimenof the pursued sub-species by sub-species pursued.

Importance of		Which sub-species of wild turkey were you pursuing?								
genetic purity					No particular sub-					
	Total	Eastern	Merriam's	Rio Grande	species					
Total	924	60	168	34	700					
Very Important	41	3	4	15						
	4%	5%	13%	12%	2%					
	65	5 26 5		33						
	7%	8%	15%	15%	5%					
Neutral	156	17	42	10	100					
	17%	28%	25%	29%	14%					
	107	6	25	3	77					
	12%	۵ 10% 15% 9%		11%						
Not Important	555	29	53	12	475					
at all	60%	48%	32%	35%	68%					

Importance of		Which sub-species of wild turkey were you pursuing? (Resident)										
genetic purity					No particular sub-							
	Total	Eastern	Merriam's	Rio Grande	species							
Total	747	51	121	19	587							
Very Important	29	3	15	2	11							
	4%	6%	12%	11%	2%							
	46	5	17	2	25							
	6%	10%	14%	11%	4%							
Neutral	123	13	32	7	83							
	16%	25%	26%	37%	14%							
	93	6	22	1	67							
	12%	12% 18% 5%		5%	11%							
Not Important	456	24	35	7	401							
at all	61%	47%	29%	37%	68%							

Table 16. Resident hunter-reported importance that a turkey they have harvested is a genetically purespecimen of the pursued sub-species by sub-species pursued.

Table 17. Non-resident hunter-reported importance that a turkey they have harvested is a geneticallypure specimen of the pursued sub-species by sub-species being pursued by the hunter.

Importance of		Which sub-species of wild turkey were you pursuing? (non-resident)									
genetic purity					No particular sub-						
	Total	Eastern	Merriam's	Rio Grande	species						
Total	177	9	47	15	113						
Very Important	12	-	7	2	4						
	7%	-	15%	13%	4%						
	19	-	9	3	8						
	11%	-	19%	20%	7%						
Neutral	33	4	10	3	17						
	19%	44%	21%	20%	15%						
	14	-	3	2	10						
8%		-	6%	13%	9%						
Not Important	99	5	18	5	74						
at all	56%	56%	38%	33%	65%						

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Sex and Age		Overall					Resident					Non-resident			
Sex and Age	0	1	2	3	4	0	1	2	3	4	0	1	2	3	4
Total	575	390	130	11	11	477	288	97	10	6	98	102	33	1	5
Adult males	84	146	50	4	3	74	105	35	4	2	10	41	15	-	1
(toms)	29%	51%	17%	1%	1%	34%	48%	16%	2%	1%	15%	61%	22%	-	1%
Juvenile	113	90	24	2	3	91	73	21	2	3	22	17	3	-	-
males (jakes)	49%	39%	10%	1%	1%	48%	38%	11%	1%	2%	52%	40%	7%	-	-
	95	121	40	4	4	77	87	29	3	1	18	34	11	1	3
Adult hens	36%	46%	15%	2%	2%	39%	44%	15%	2%	1%	27%	51%	16%	1%	4%
Juvenile	136	31	11	-	-	112	21	9	-	-	24	10	2	-	-
hens	76%	17%	6%	-	-	79%	15%	6%	-	-	67%	28%	6%	-	-
Unknown	147	2	5	1	1	123	2	3	1	-	24	-	2	-	1
age and sex	94%	1%	3%	1%	1%	95%	2%	2%	1%	-	89%	-	7%	-	4%

Table 18. Age and sex distribution of the fall 2016 turkey harvest by residency.

Table 19. Hunter identified sub-species by sub-species pursued.

Which sub-species		Which sub-specie	Which sub-species of wild turkey were you pursuing during								
did you harvest					No particular						
	Total	Eastern	Merriam's	Rio Grande	sub-species						
Total	412	26	92	20	297						
Fastana Milal Tunliau	78	16	8	2	57						
Eastern Wild Turkey	19%	62%	9%	10%	19%						
Rio Grande Wild	58	-	6	11	44						
Turkey	14%	-	7%	55%	15%						
Merriam's Wild	105	5	57	4	48						
Turkey	25%	19%	62%	20%	16%						
A mixture of one or	81	5	13	3	66						
more of these (hybrid)	20%	19%	14%	15%	22%						
Nove of these	1	-	-	-	1						
None of these	0%	-	-	-	0%						
Demotronomitie	89	-	8	-	81						
Do not remember	22%	-	9%	-	27%						

	Ove	erall	Resi	ident	Non-resident		
Period of season	Days	Harvested	Days	Harvested	Days	Harvested	
15-30 September	190	60	163	41	27	19	
1-31 October	548	202	486	161	62	41	
1-13 November	269	96	222	63	47	33	
14-22 November	210	112	169	76	41	36	
23-30 November	96	36	87	30	9	6	
1-31 December	306	119	263	94	43	25	
1-31 January	222	78	193	71	29	7	

Table 20. Resident and non-resident harvest and days spent afield by week of season for the fall 2016season.

Table 20 . Number of resident and non-resident hunters who reported harvesting 0-4 turkeys on public
land or on private land where permission was required during the 2016 fall turkey season.

How many turkeys did you harvest on	Overall						Resident				Non-resident				
	0	1	2	3	4	0	1	2	3	4	0	1	2	3	4
Total	409	188	191	20	18	304	147	134	19	14	105	41	57	1	4
private land	48	162	172	16	15	33	127	123	15	11	15	35	49	1	4
where permission was required?	12%	39%	42%	4%	4%	11%	41%	40%	5%	4%	14%	34%	47%	1%	4%
land open to	361	26	19	4	3	271	20	11	4	3	90	6	8	-	-
public hunting?	87%	6%	5%	1%	1%	88%	6%	4%	1%	1%	87%	6%	8%	-	-

Table 21. Number and percent of resident and non-resident hunters who would or would not hunt inNebraska again given their experiences during the fall 2016 season.

Will you hunt turkey in Nebraska again given your experiences in the fall 2016 season?	Overall	Resident	Non-resident		
Total	928	749	179		
Yes	911	736	175		
	98%	98%	98%		
No	17	13	4		
	2%	2%	2%		

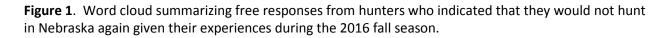




Figure 2. Percentage of overall, resident, and non-resident turkey hunting experience in years.

"How many years of experience do you have hunting turkeys?"

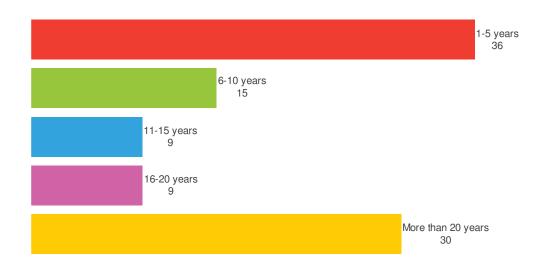
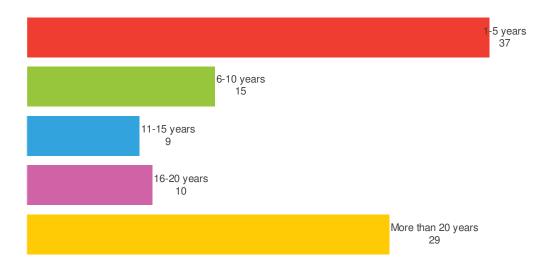


Figure 2. Continued, resident and non-resident hunters.

"How many years of experience do you have hunting turkeys?"



"How many years of experience do you have hunting turkeys?"

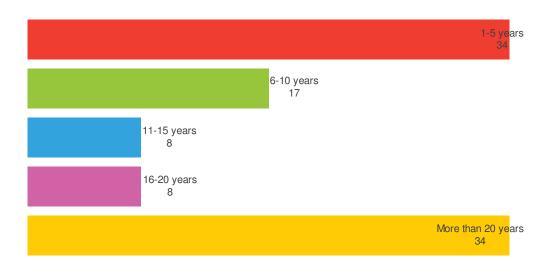


Table 22 . Resident and non-resident hunters' reasons for hunting wild turkey in Nebraska during the
2016 fall season. Options with >50% support are highlighted in bold.

Why did you choose to hunt in Nebraska?	Overall	Resident	Non-resident		
Total	931	751	180		
Availability of Public	340	284	56		
Land to hunt	37%	38%	31%		
Family and/or friends	428	317	111		
who live in state	46%	42%	62%		
Ability to hunt a	109	76	33		
different sub-species of turkey	12%	10%	18%		
	547	435	112		
Availability of permits	59%	58%	62%		
	396	335	61		
Permit costs	43%	45%	34%		
Number of permits	323	262	61		
allowed per hunter	35%	35%	34%		
	291	230	61		
Hunter success rate	31%	31%	34%		
Turkey population	617	495	122		
abundance	66%	66%	68%		
	94	82	12		
Other	10%	11%	7%		

Figure 3. Word cloud of significant terms from the free responses received for "Other," about why hunters chose to hunt turkey in Nebraska during the 2016 fall season.



	Overall			Resident			Non-resident								
	Strongly Disagree				Strongly Agree	Strongly Disagree				Strongly Agree	Strongly Disagree				Strongly Agree
Total	776	541	969	719	708	624	457	810	593	510	152	84	159	126	198
"I saw too	536	217	127	28	21	420	172	113	26	18	116	45	14	2	3
many hunters"	58%	23%	14%	3%	2%	56%	23%	15%	3%	2%	64%	25%	8%	1%	2%
"I was satisfied with	101	111	207	222	286	87	97	177	180	206	14	14	30	42	80
the number of turkeys seen"	11%	12%	22%	24%	31%	12%	13%	24%	24%	28%	8%	8%	17%	23%	44%
"I was satisfied with the amount of	97	129	420	181	99	80	116	333	145	73	17	13	87	36	26
land open to public hunting"	10%	14%	45%	20%	11%	11%	16%	45%	19%	10%	9%	7%	49%	20%	15%
"Overall I was satisfied with	42	84	215	288	302	37	72	187	242	213	5	12	28	46	89
the quaility of my hunting experience"	5%	9%	23%	31%	32%	5%	10%	25%	32%	28%	3%	7%	16%	26%	49%

Table 23. Resident and non-resident agreement with statements related to their hunting experiences in Nebraska during the 2016 fall season.

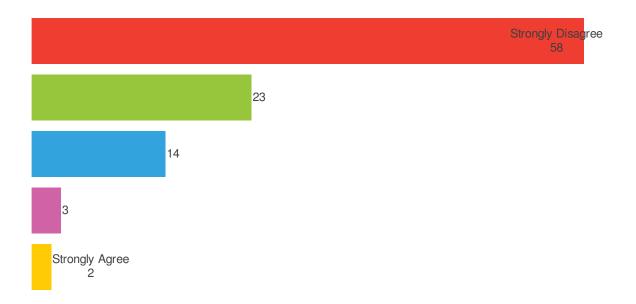


Figure 5. Percentage hunter agreement with the statement, "I was satisfied with the number of turkeys seen" while hunting turkeys during the 2016 fall season.

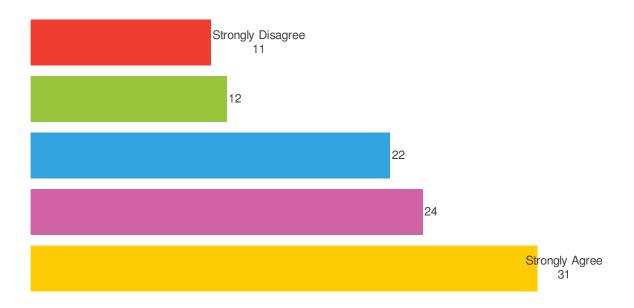


Figure 6. Percentage hunter agreement with the statement, "I was satisfied with the amount land open to public hunting" during the 2016 fall season.

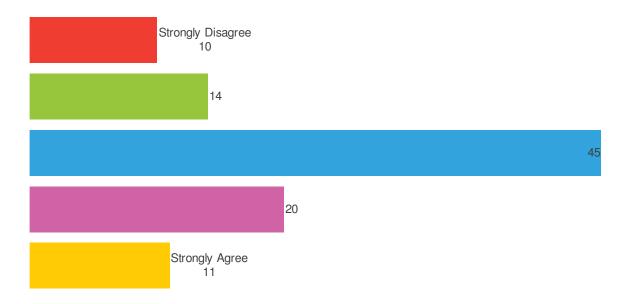
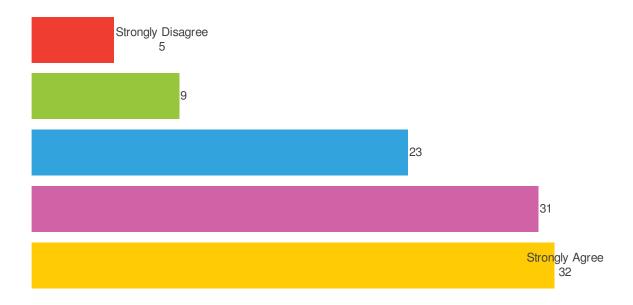


Figure 7. Hunter agreement with the statement, "Overall I was satisfied with the quality of my hunting experience" during the 2016 fall season.



Where did you stay while hunting turkeys in Nebraska?	Non-resident responses and percent				
Total	180				
	54				
Hotel/Motel	30%				
Commercial campground (e.g., KOA)	4				
or hunting lodge	2%				
Public camping sites/lodge (e.g., State	16				
Parks)	9%				
Drivete residence of femily or friends	92				
Private residence of family or friends	51%				
Deveenelheree	3				
Personal home	2%				
Other	11				
Other	6%				

Table 24. Non-resident hunter accommodation types when hunting in Nebraska during the 2016 fallturkey season.

Figure 8. Word cloud for "Other" responses to where hunters stayed while hunting turkey in Nebraska during the 2016 fall season.

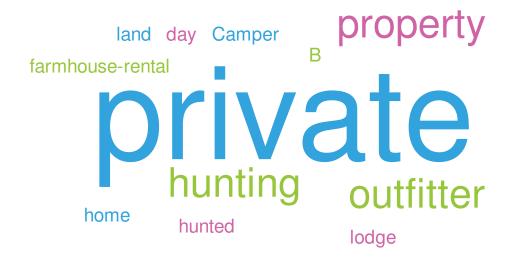


Figure 9. Percentage of responding hunters who indicated they accompanied various groups of hunters in the field during the 2016 fall turkey season.

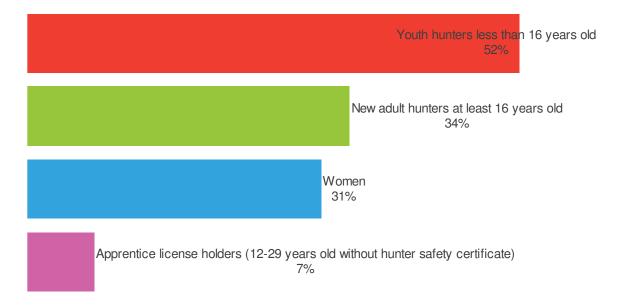


Table 25. Numbers of youth, novice, women, and apprentice hunters that hunters reported taking into the field during the 2016 fall turkey season.

Type of hunter	Total
Total	425
Youth hunters less than 16 years old	180
New adult hunters at least 16 years old	120
Women	104
Apprentice license holders	21