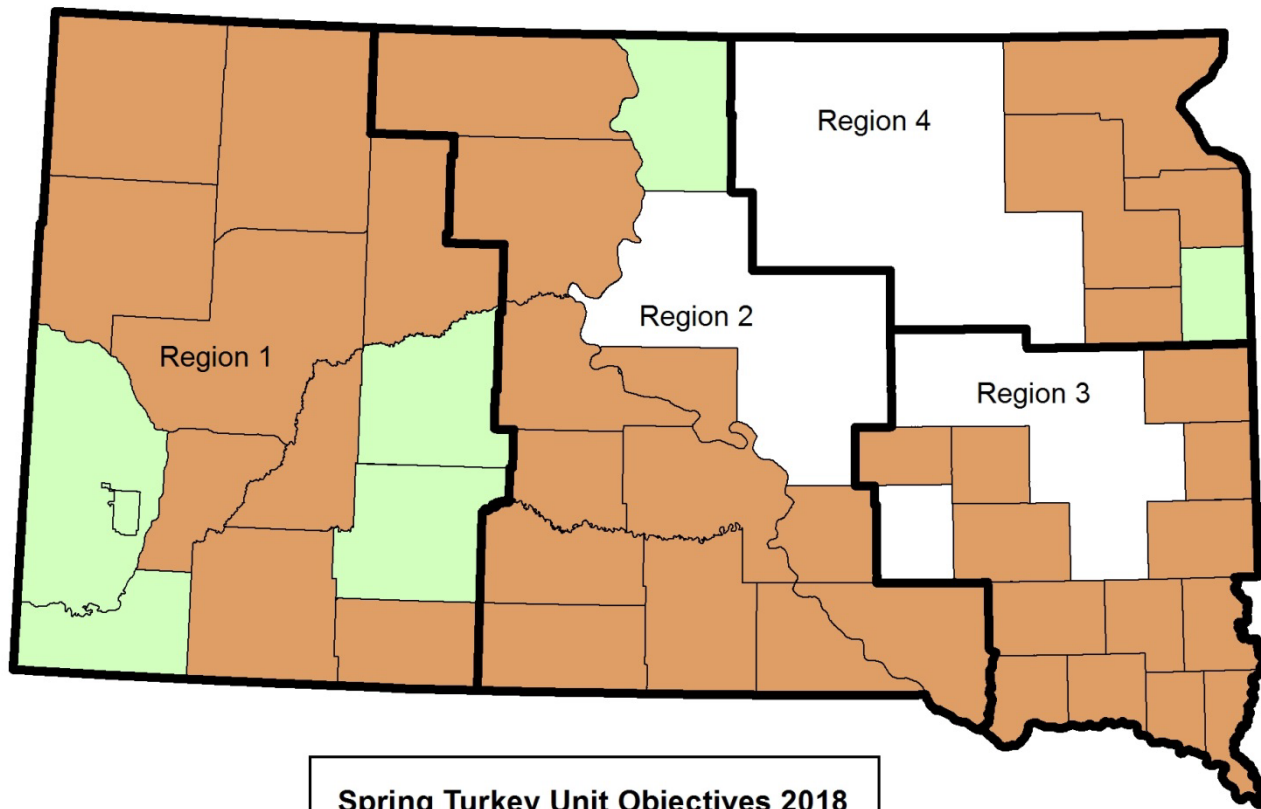




SOUTH DAKOTA • GAME, FISH and PARKS

- Wild Turkey Management Plan- November Meeting 2018



Spring Turkey Unit Objectives 2018

Objective

Orange Increase

Light Green Maintain

Objectives- Statewide

Wild Turkey Harvest Management Strategy Table – Black Hills Unit



Population Status or Surrogate Abundance	Low ≤1400 mean harvest from previous 2 spring hunting seasons	Moderate 1401-1899 mean harvest from previous 2 spring hunting seasons	High ≥1900 mean harvest from previous 2 spring hunting seasons
Population Objective	Increase	Maintain	Decrease
Justification	Turkey population objective based on surrogate abundance estimate given above. Turkey depredation on stored livestock forage is expected to be nonexistent or limited to isolated cases and should be adequately addressed through the wildlife damage management program. After all other tools have been exhausted, unique situations may be addressed using pool hunts, kill permits, or trap and transfer to areas with low turkey abundance when fall season is closed.	Turkey population objective based on surrogate abundance estimate given above. Manageable turkey depredation on stored livestock forage is expected, but should be adequately addressed through wildlife damage management program, fall hunting (<u>if open</u>), trap and transfer, or depredation pool hunts. After all other tools have been exhausted, unique situations may be addressed using kill permits when fall season is open or closed.	Turkey population objective based on surrogate abundance estimate given above. Turkey depredation on stored livestock forage is expected to be above desired levels, but can usually be addressed through wildlife damage management program, fall hunting, trap and transfer, or depredation pool hunts. After all other tools have been exhausted, unique situations may be addressed using kill permits when fall season is open. Indicators for this category would be moderate to overabundant populations causing moderate to major depredation among landowners in the unit.
A: Spring success 95% CI below or overlapping 30% previous 2 seasons	Spring: Single bearded turkey licenses and 1 license per person. Fall: Single any turkey licenses but limit to 400 or less. Fall unit boundaries may be reduced in size.	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single any turkey licenses but limit to 600 or less. Fall unit boundaries may be reduced in size.	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single or double any turkey licenses but limit to 2000 or less. Fall unit boundaries may be reduced in size.
B: Spring success 95% CI below or overlapping 30% 1 of previous 2 seasons	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single any turkey licenses but limit to 500 or less. Fall unit boundaries may be reduced in size.	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single any turkey licenses but limit to 750 or less. Fall unit boundaries may be reduced in size.	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single or double any turkey licenses but limit to 2500 or less. Fall unit boundaries may be reduced in size.
C: Spring success 95% CI above 30% previous 2 seasons	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single any turkey licenses but limit to 600 or less. Fall unit boundaries may be reduced in size.	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single any turkey licenses but limit to 1000 or less. Fall unit boundaries may be reduced in size.	Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents. Fall: Single or double any turkey licenses but limit to 3000 or less. Fall unit boundaries may be reduced in size.



Plan Implementation- Black Hills

- Mean harvest previous 2 years (2017-18) – 1,571 spring gobblers (moderate population status)
- Population Objective- Maintain
- Harvest Strategy “B” based on 95% CIs overlapping 30% for 1 of previous 2 years.
- Therefore management is restricted to:
- Spring: Single bearded turkey licenses and up to 1 license for non-residents and 2 licenses for residents.

Fall: Single any turkey licenses but limit to 750 or less.
Fall unit boundaries may be reduced in size.

Prairie Harvest Table

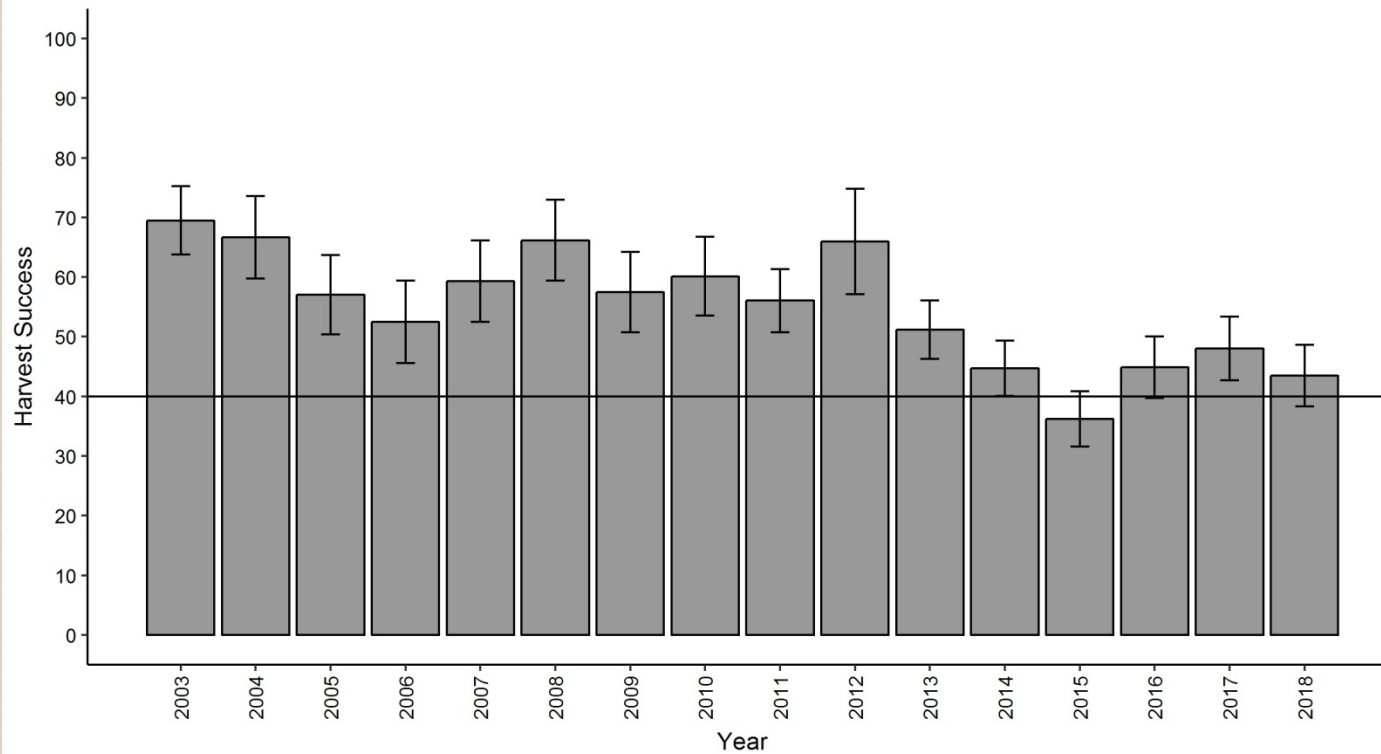


Population Objective	Increase	Maintain	Decrease
Justification	<p>Turkey population below objective based on available biological data, hunter survey comments, public comments, and field staff observations.</p> <p>Turkey depredation on stored livestock forage is expected to be nonexistent or limited to isolated cases and should be adequately addressed through the wildlife damage management program. After all other tools have been exhausted, unique situations may be addressed using pool hunts, kill permits, or trap and transfer to areas with low turkey abundance when fall season is closed.</p>	<p>Turkey population at objective based on available biological data, hunter survey comments, public comments, and field staff observations.</p> <p>Manageable turkey depredation on stored livestock forage is expected, but should be adequately addressed through wildlife damage management program, fall hunting (<i>if open</i>), trap and transfer, or depredation pool hunts. After all other tools have been exhausted, unique situations may be addressed using kill permits when fall season is open or closed.</p>	<p>Turkey population above objective based on available biological data, hunter survey comments, public comments, and field staff observations.</p> <p>Turkey depredation on stored livestock forage is expected to be above desired levels, but can usually be adequately addressed through wildlife damage management program, fall hunting, trap and transfer, or depredation pool hunts. After all other tools have been exhausted, unique situations may be addressed using kill permits when fall season is open. Indicators for this category would be moderate to overabundant populations causing moderate to major depredation among landowners in the unit.</p>
Hunting Season Structure Options	<p>Spring: single bearded turkey licenses or close spring season</p> <p>Fall: Limited number of single or double any turkey licenses which allows for population growth and/or reduce size of unit to limit harvest to specific area, or close fall season.</p>	<p>Spring: Single or double bearded turkey licenses with option of split spring seasons</p> <p>Fall: Single or double any turkey licenses issued at a level expected to keep population within population objective</p> <p>Close fall season in units where population is expected to decline with fall harvest. Fall unit boundaries may be reduced in size.</p>	<p>Spring: Single or double bearded turkey licenses with option of split spring seasons</p> <p>Fall: Single or double any turkey licenses issued at a level expected to decrease population</p>
Minimum Categorical Thresholds and Hard Triggers to Close Fall Season	<p>Spring hunter success 95% CI overlaps or is below 40% threshold in one of two consecutive seasons and is above in one of the two seasons at a minimum specified license allocation (See unit objectives table). Under this scenario, fall turkey season could be closed.</p> <hr/> <p>Threshold to close fall season</p> <p>Spring hunter success 95% CI below or overlaps 40% threshold for 2 consecutive seasons at a minimum specified license allocation (See unit objectives table).</p>	<p>Spring hunter success 95% CI is $\geq 40\%$ for 2 consecutive seasons at a minimum specified license allocation (See unit objectives table).</p> <p><i>Note: If this hard trigger is met, population objective could be shifted to increase based on other justifications.</i></p>	<p>Spring hunter success 95% CI is $\geq 40\%$ for 2 consecutive seasons at a minimum specified license allocation (See unit objectives table).</p> <p><i>Note: If this hard trigger is met, population objective could be shifted to maintain or increase based on other justifications.</i></p>

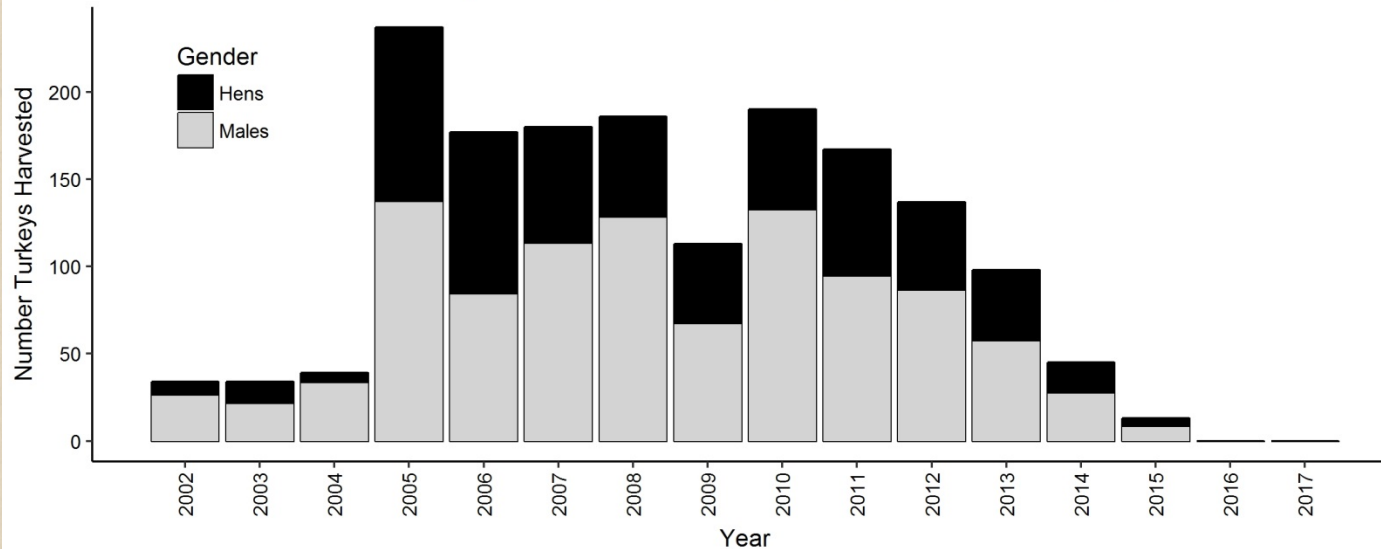
Prairie Harvest Table

Unit				2003 - 2015 Average			2016			2017			2018		
	Minimum	Current	Threshold	Hunter	Licenses	Tags	Hunter	Licenses	Tags	Hunter	Licenses	Tags	Hunter	Licenses	Tags
	License	Population	met to close												
	Target	Objective	fall season	%	sold	sold	(95% C.I.)	sold	sold	(95% C.I.)	sold	sold	C.I.)	sold	sold
Bennett		50 Increase	Yes	71	62	112	44 (38-51)	54	54	45 (39-52)	33	33	58 (49-67)	33	33
Bon Homme		250 Increase	Yes	52	252	252	37 (32-43)	300	300	43 (38-48)	251	251	40 (35-44)	251	251
Brookings		10 Increase	No	39	32	32	10 (10-10)	20	20	44 (40-50)	20	20	39 (35-45)	20	20
Brule		100 Increase	Yes	53	82	82	33 (27-40)	129*	129	45 (39-51)	150	150	41 (35-47)	150	150
Butte/Lawrence		400 Increase	Yes	57	415	830	45 (40-50)	375	375	48 (43-53)	379	379	44 (38-49)	379	379
Campbell/Walworth		10 Maintain	No	NA	0	0	40(40-40)	10	10	56 (50-60)	10	10	25 (20-40)	10	10
Charles Mix/Douglas		300 Increase	Yes	51	318	445	28 (23-32)	400	400	41 (36-46)	350	350	32 (27-36)	350	350
Clay		75 Increase	No	48	119	119	32 (28-36)	120	120	52 (47-58)	120	120	32 (28-36)	120	120
Corson		100 Increase	No	53	126	232	25 (18-31)	108*	108	58 (52-65)	108	108	34 (27-41)	108	108
Custer/ Penn-Mid		125 Increase	No	54	146	293	27 (22-32)	150*	300	52 (45-58)	162	162	42 (36-49)	162	162
Davison/Hanson		150 Increase	Yes	50	108	108	26 (21-31)	161	161	32 (27-37)	158	158	24 (20-28)	158	158
Day/Codington		50 Increase	No	40	60	60	29 (25-35)	61	61	55 (49-60)	80	80	36 (29-43)	80	80
Deuel		75 Maintain	No	56	60	60	45 (40-51)	90	90	56 (50-61)	90	90	47 (43-52)	90	90
Dewey/Ziebach		100 Increase	No	56	199	359	34 (28-40)	160	160	48 (42-53)	160	160	45 (40-50)	160	160
Fall River		150 Maintain	No	56	209	418	39 (35-44)	161	322	48 (44-53)	162	324	42 (38-47)	162	324
Grant		185 Increase	No	57	176	176	36 (32-41)	220	220	50 (46-54)	220	220	46 (41-50)	220	220
Gregory		700 Increase	No	57	898	1351	28 (23-32)	865	865	45 (40-50)	756	756	41 (36-46)	756	756
Haakon		200 Maintain	No	63	226	403	43 (38-47)	214*	428	51 (46-55)	216	432	40 (35-45)	216	432
Hamlin		10 Increase	No	46	20	20	NA	0	0	56 (50-60)	10	10	0 (0-0)	10	10
Harding		150 Increase	Yes	46	190	306	30 (25-35)	153*	153	44 (38-51)	108	108	42 (37-47)	108	108
Hughes		30 Increase	No	50	36	55	26 (23-31)	40	40	54 (47-60)	30	30	43 (40-47)	30	30
Hutchinson		60 Increase	Yes	41	64	64	21 (18-24)	80	80	40 (34-46)	60	60	26 (20-32)	60	60
Jackson		150 Maintain	No	64	173	308	34 (29-40)	214	214	70 (65-75)	162	162	47 (42-53)	162	162
Jerauld		10 Increase	Yes	24	10	10	13 (10-25)	10	10	22 (20-30)	10	10	67 (60-70)	10	10
Jones		75 Increase	Yes	60	62	69	37 (26-48)	71*	71	43 (33-53)	77	77	27 (19-36)	77	77
Lincoln		80 Increase	Yes	40	98	98	19 (15-22)	100	100	27 (24-31)	100	100	32 (27-36)	100	100
Lyman		100 Increase	Yes	57	129	206	28 (23-32)	162	162	36 (31-41)	108	108	35 (30-41)	108	108
Marshall/Roberts		330 Increase	No	50	404	508	40 (35-44)	400	400	47 (43-52)	400	400	43 (38-47)	400	400
Meade/Penngtn		300 Increase	No	66	352	704	38 (33-43)	306*	612	52 (47-57)	322	644	45 (40-50)	322	644
Mellette		350 Increase	No	63	527	1001	34 (29-39)	363*	363	46 (41-52)	376	376	29 (24-34)	376	376
Minnehaha		60 Increase	No	36	92	92	18 (15-22)	79	79	64 (57-71)	80	80	33 (29-38)	80	80
Moody		30 Increase	Yes	50	31	31	36 (30-43)	60	60	44 (38-50)	60	60	39 (32-46)	60	60
Oahe Downstream		0 Maintain	No	100	1	1	50 (50-50)	2*	2	100 (100-100)	2	2	100 (100-100)	2	2
Pennington-East		150 Increase	No	65	179	358	40 (35-45)	145*	290	51 (46-57)	166	166	48 (41-55)	166	166
Perkins		75 Increase	Yes	58	108	212	29 (23-35)	81*	162	44 (37-52)	94	188	39 (30-48)	94	188
Sanborn		20 Increase	No	41	43	47	15 (15-15)	20	20	50 (40-60)	20	20	12 (10-18)	20	20
Oglala Lakota		50 Increase	Yes	74	42	73	50 (40-60)	43*	43	70 (60-80)	44	44	32 (23-42)	44	44
Stanley		40 Increase	Yes	42	53	53	32 (24-39)	55	55	34 (27-42)	44	44	28 (25-33)	44	44
Todd		75 Increase	No	63	68	68	35 (25-46)	66*	66	49 (41-57)	78	78	29 (18-40)	78	78
Tripp		350 Increase	No	63	434	500	34 (30-39)	432	432	57 (52-62)	432	432	42 (37-47)	432	432
Turner		20 Increase	No	38	44	44	33 (25-46)	20	20	62 (45-75)	20	20	26 (25-30)	20	20
Union		120 Increase	Yes	47	123	123	27 (23-31)	120	120	37 (32-42)	120	120	40 (36-44)	120	120
Yankton		200 Increase	No	49	217	217	33 (29-37)	230	230	47 (42-52)	229	229	51 (46-56)	229	229

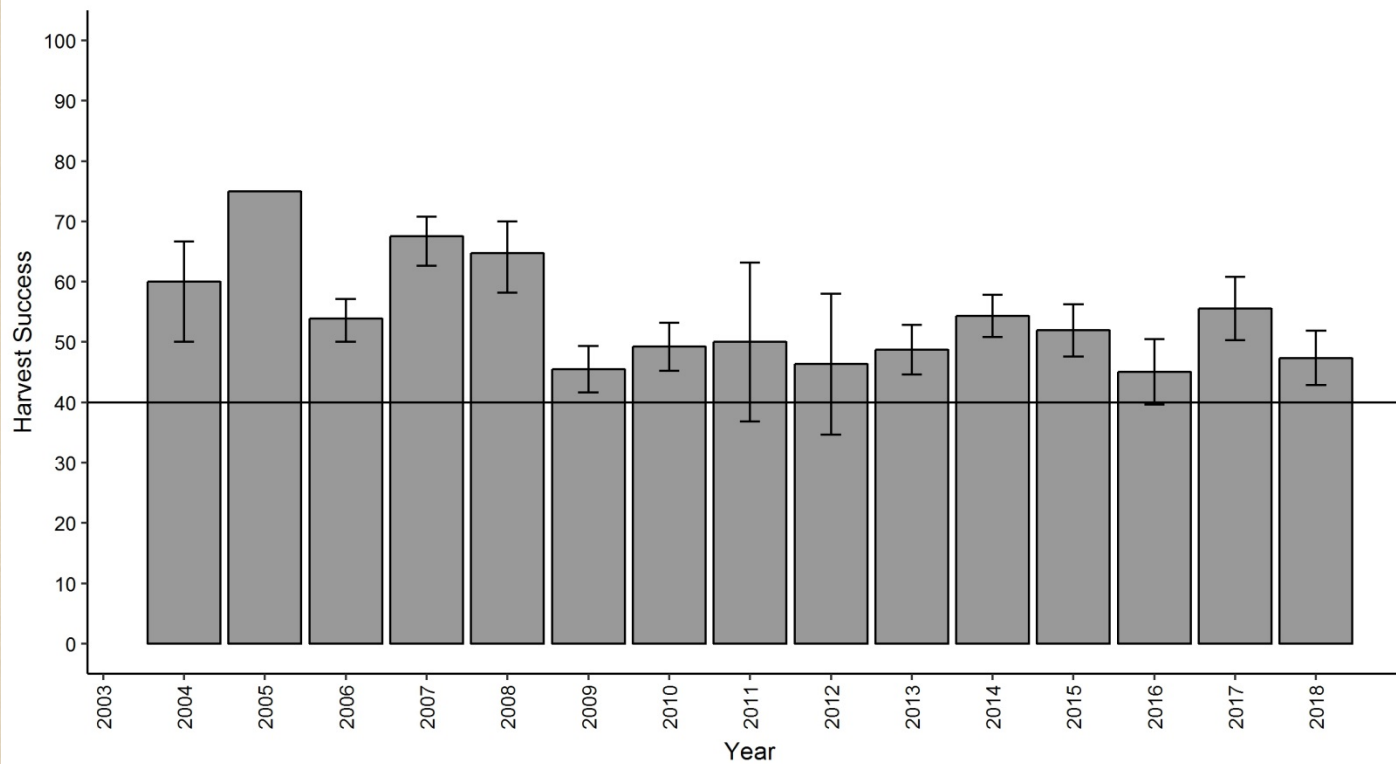
Spring Harvest Success for Butte and Lawrence Counties 2003-2018



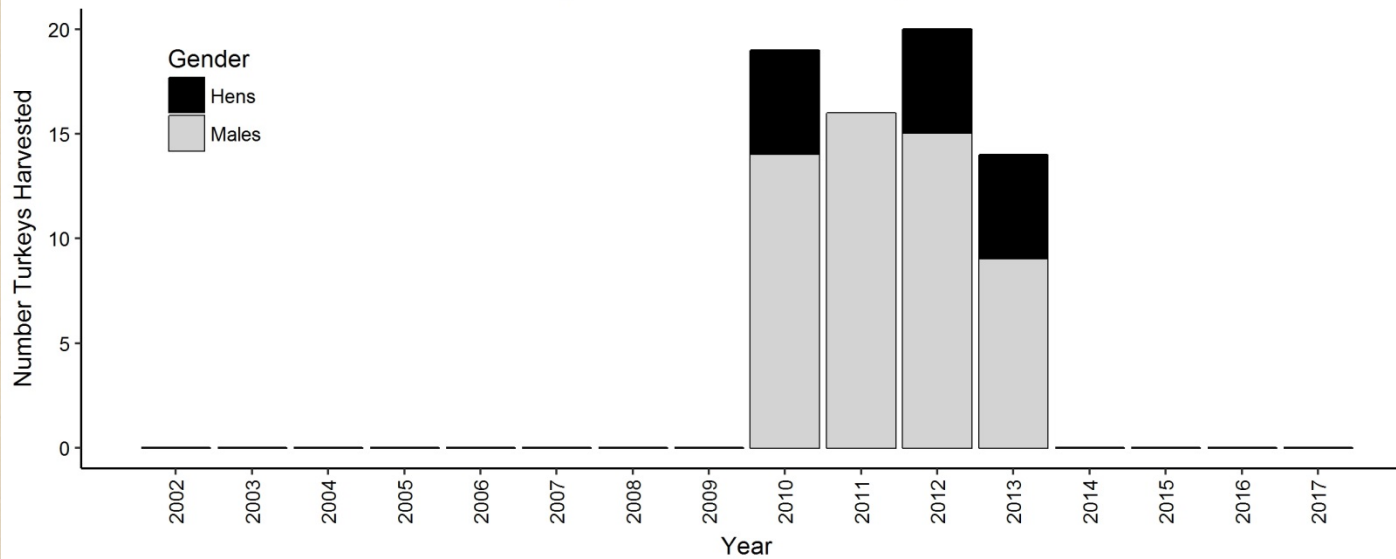
Fall Turkey Harvest for Butte and Lawrence Counties 2002-2017



Spring Harvest Success for Deuel County 2003-2018



Fall Turkey Harvest for Deuel County 2002-2017





PLAN ACCOMPLISHMENTS

- Implementation of harvest strategies
 - Recommended alignment of spring and fall units – commission adopted
 - Unit-level tag allocation for all fall units
- Stakeholder meeting- tracking successes and where we can improve
- Opinion Survey- extending season and rifles/shotguns
- Reviewed research and implementation of that information in unit strategies
- Controlled Hunting Access Program – one for spring turkey hunting
- GFP/NWTF partnership – forester position for Black Hills and surrounding riparian areas with an emphasis on turkey habitat

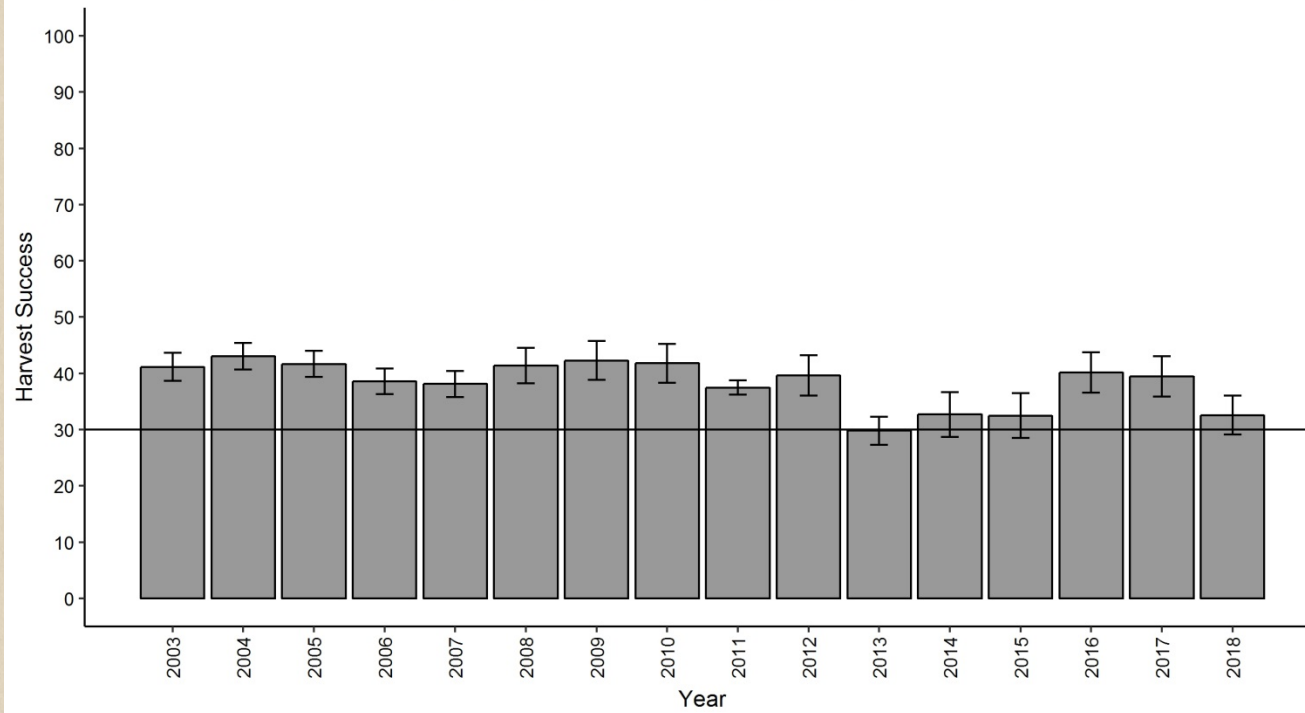
QUESTIONS?



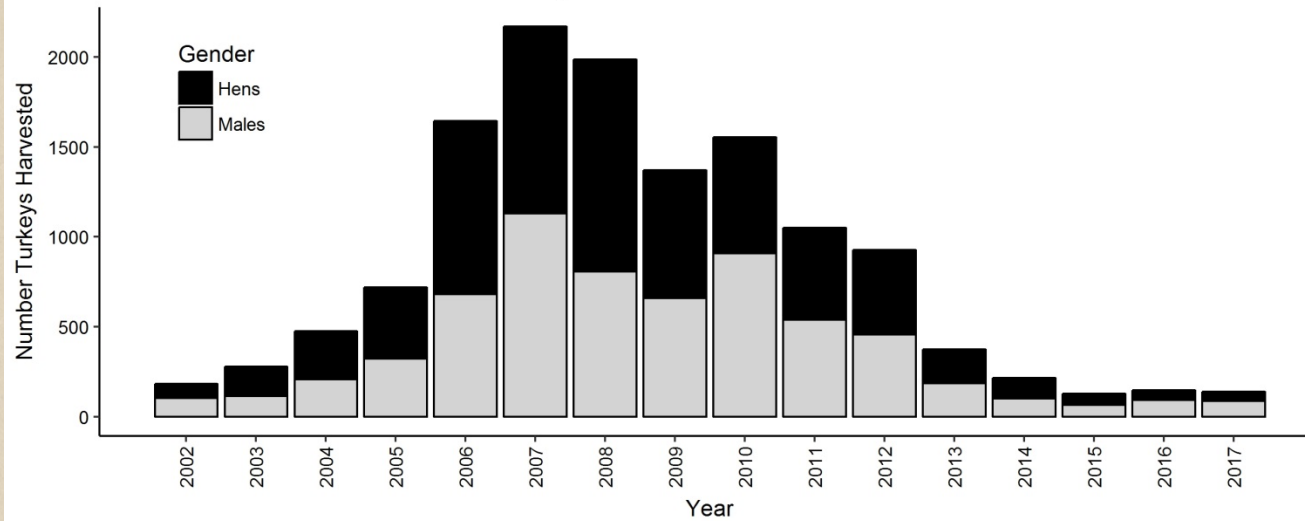
HARVEST GRAPHS



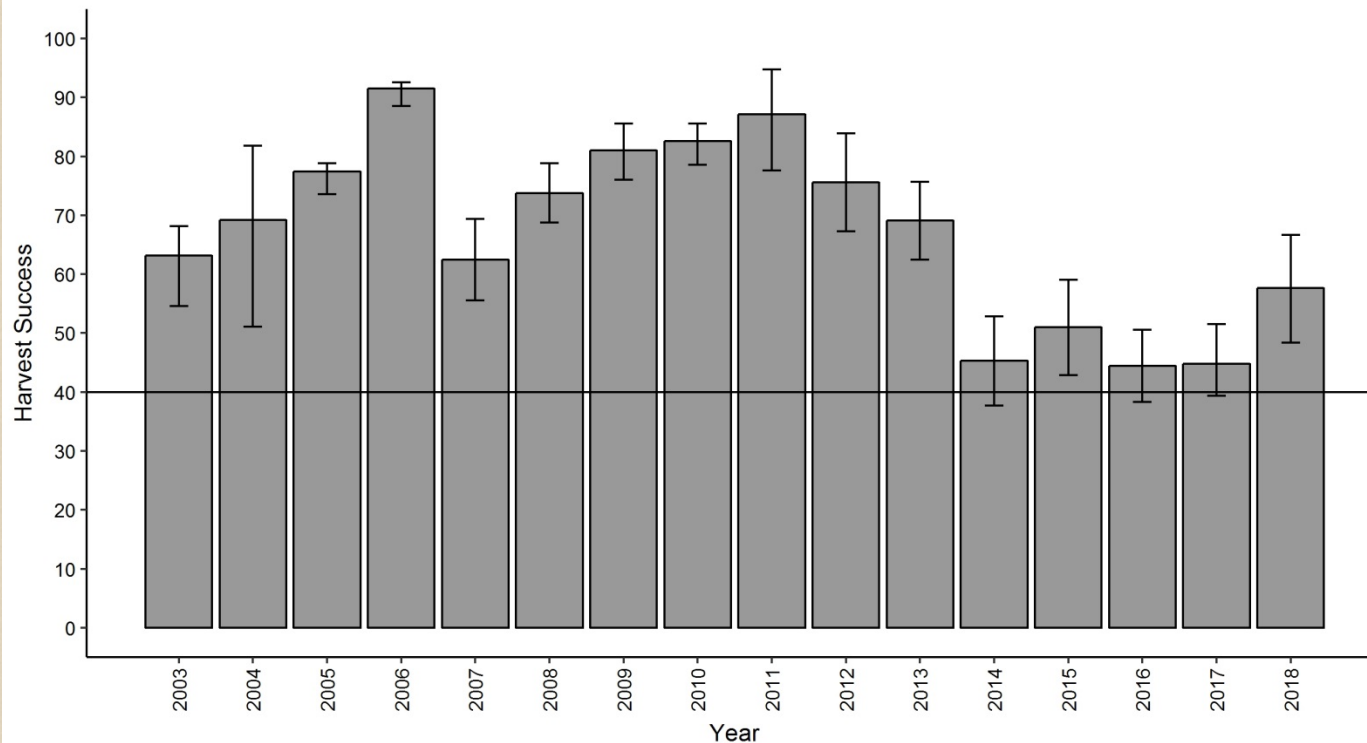
Spring Harvest Success for Black Hills 2003-2018



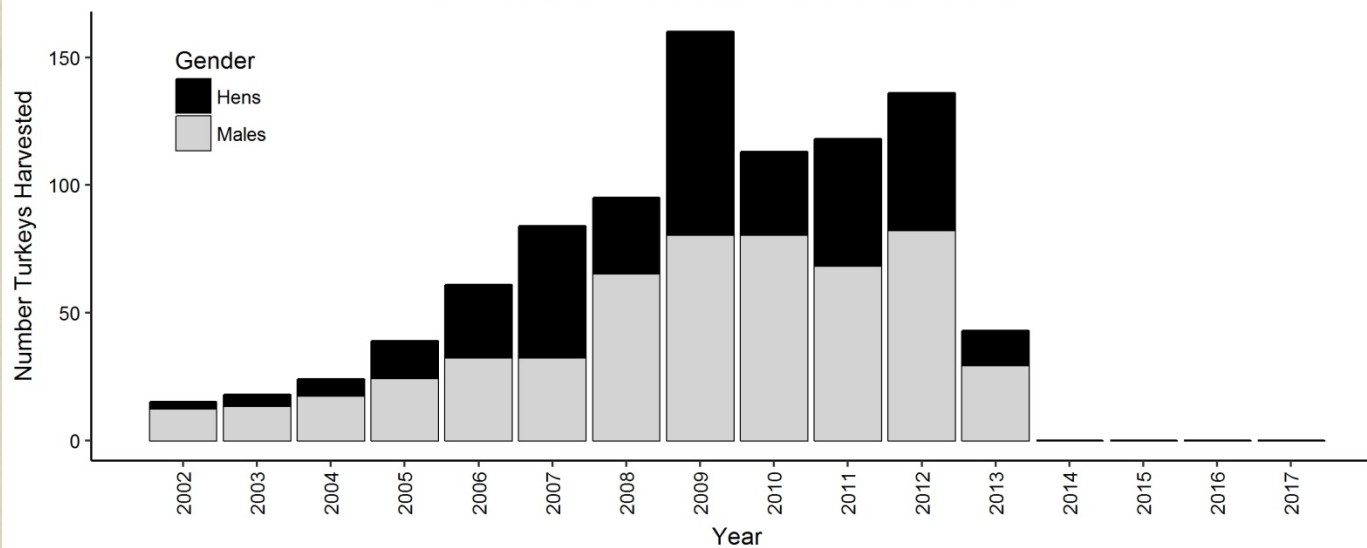
Fall Turkey Harvest for Black Hills 2002-2017



Spring Harvest Success for Bennett County 2003-2018

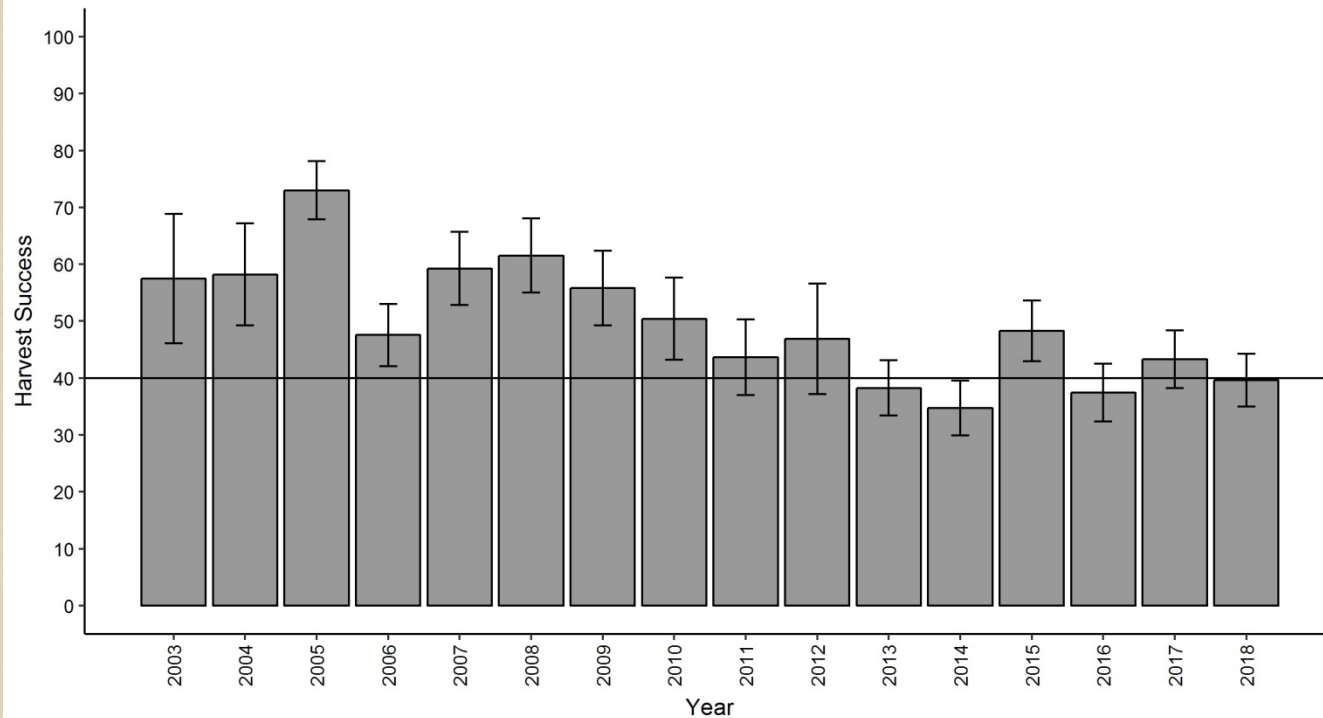


Fall Turkey Harvest for Bennett County 2002-2017

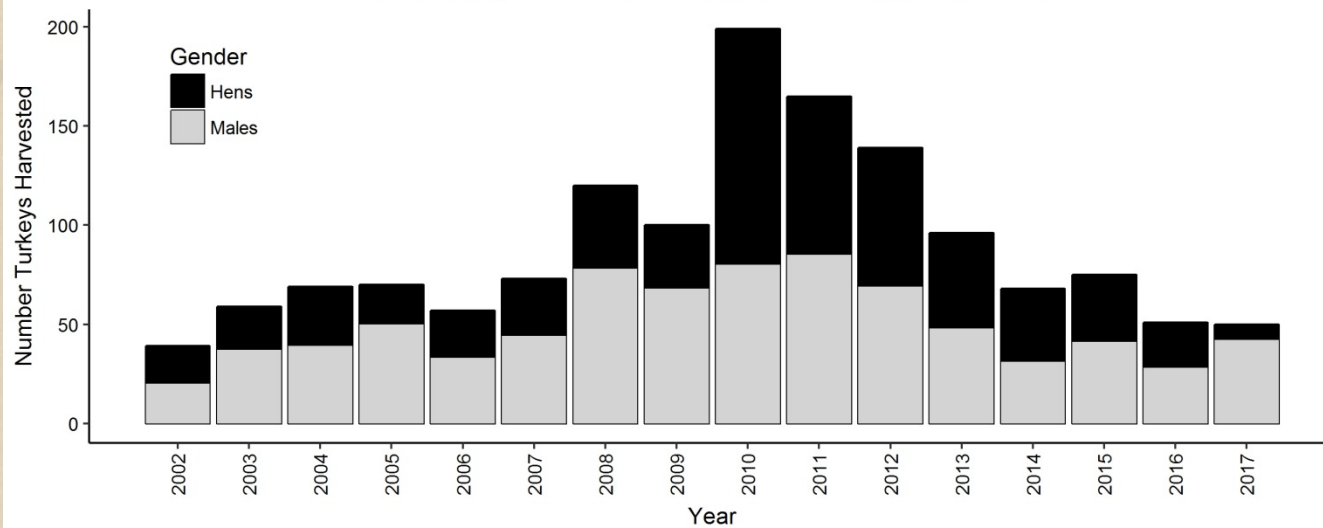




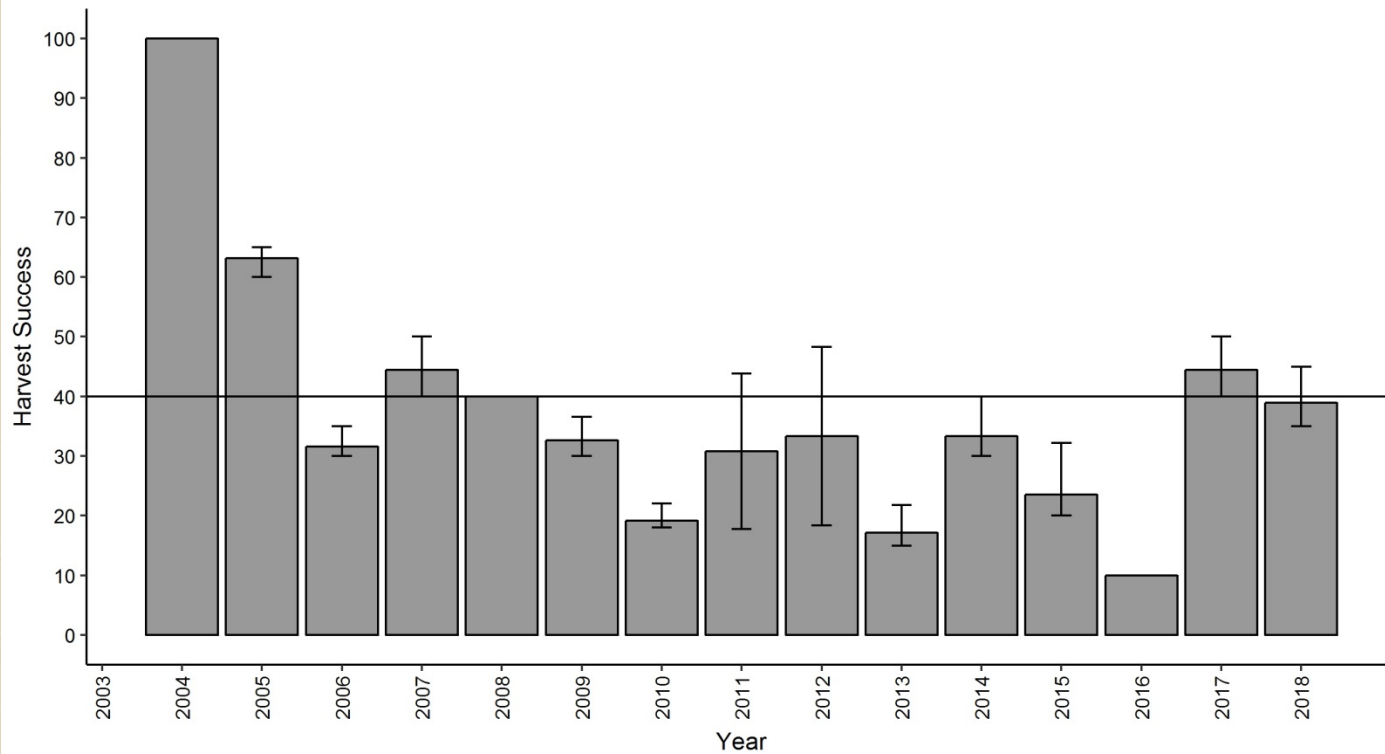
Spring Harvest Success for Bon Homme County 2003-2018



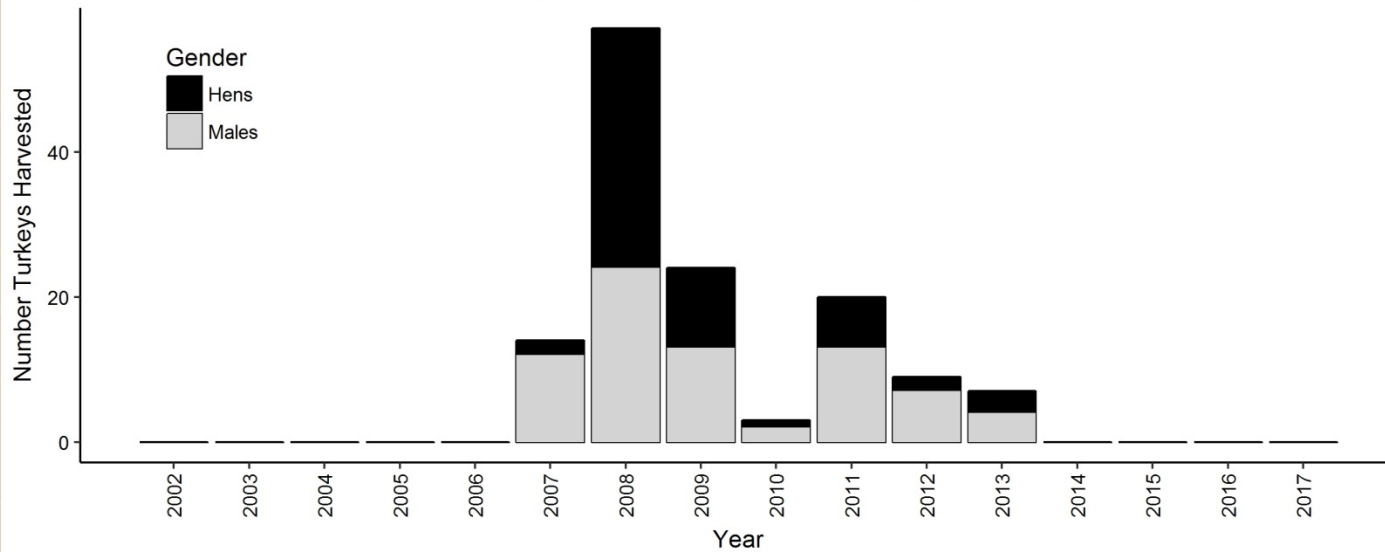
Fall Turkey Harvest for Bon Homme County 2002-2017



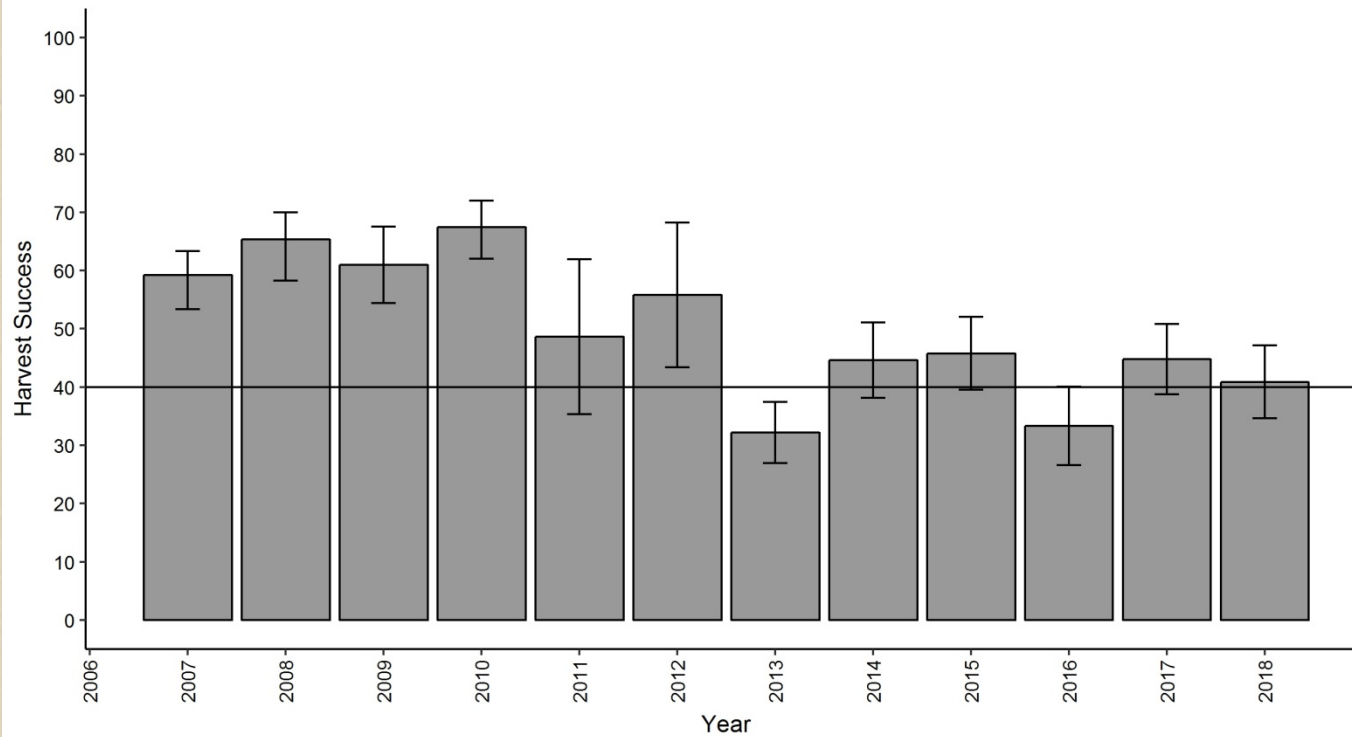
Spring Harvest Success for Brookings County 2003-2018



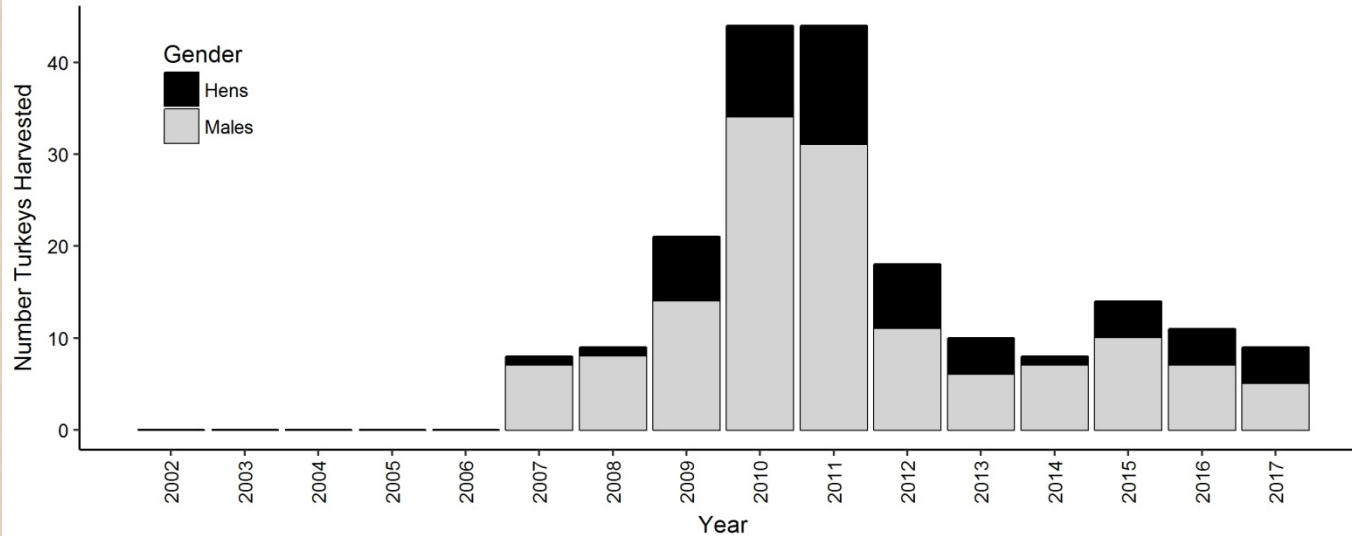
Fall Turkey Harvest for Brookings County 2002-2017



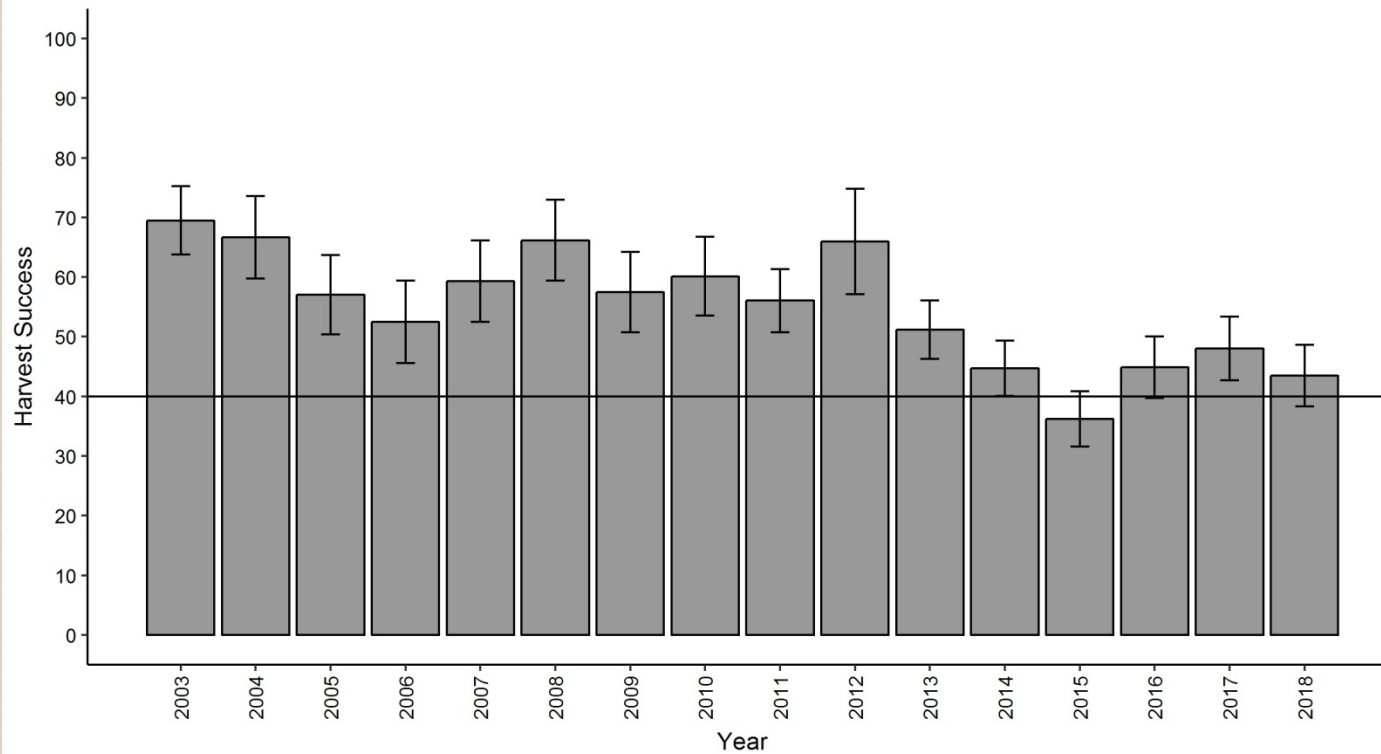
Spring Harvest Success for Brule County 2003-2018



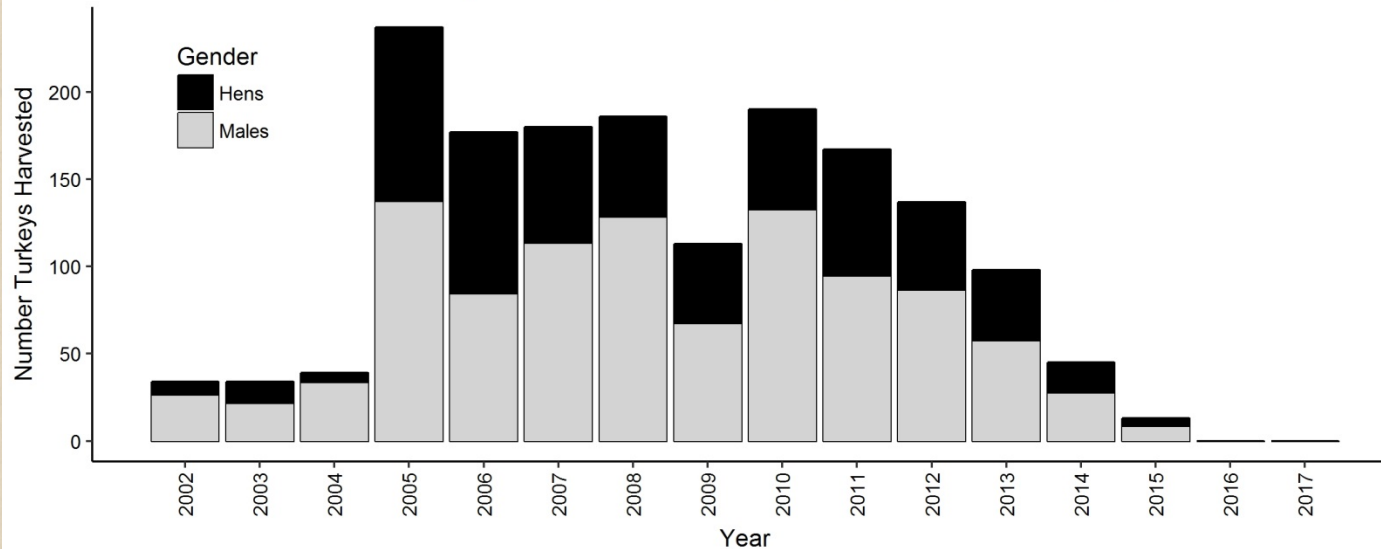
Fall Turkey Harvest for Brule County 2002-2017



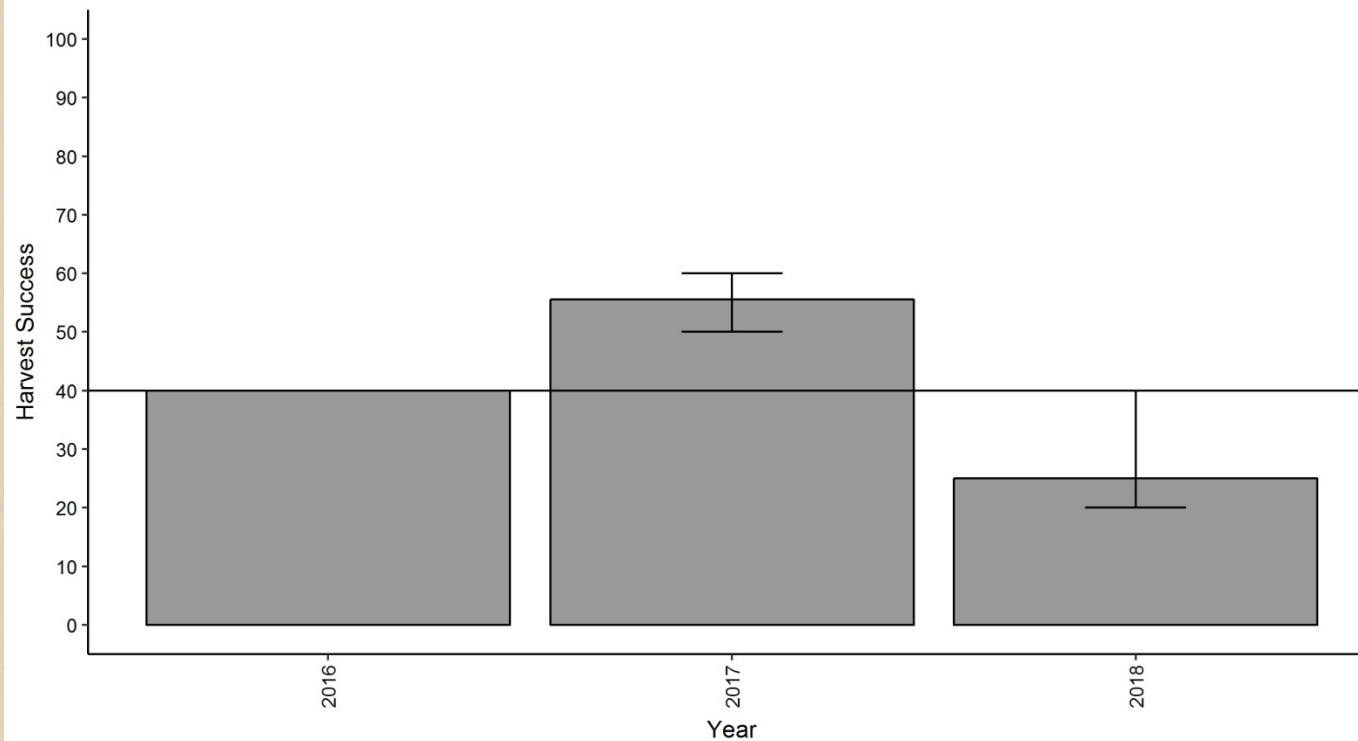
Spring Harvest Success for Butte and Lawrence Counties 2003-2018



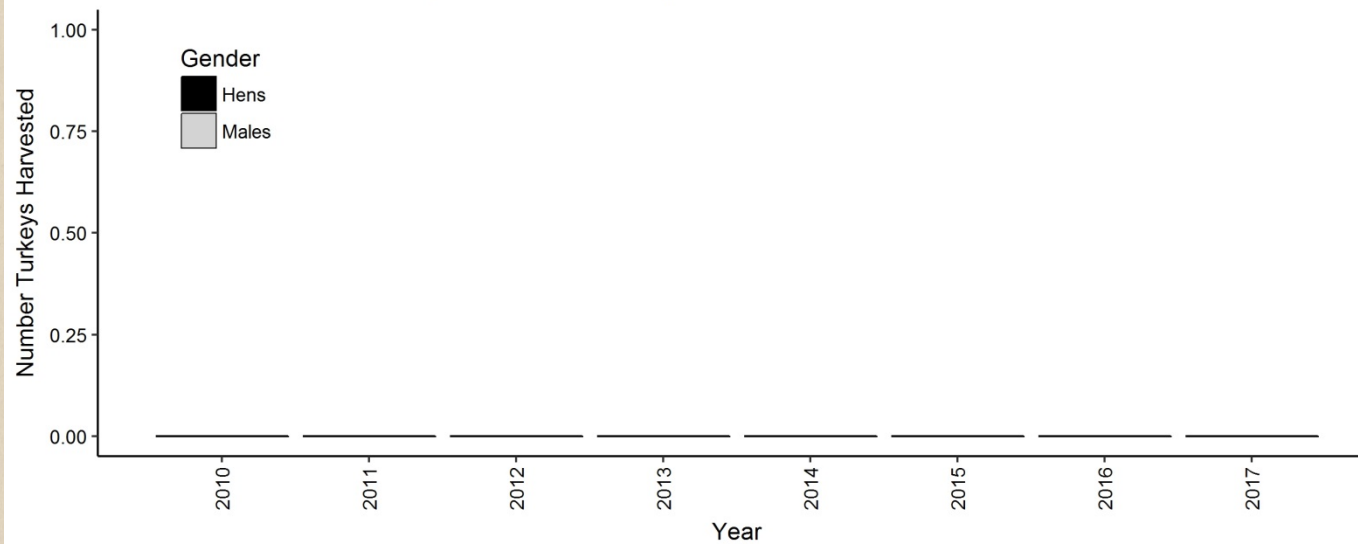
Fall Turkey Harvest for Butte and Lawrence Counties 2002-2017



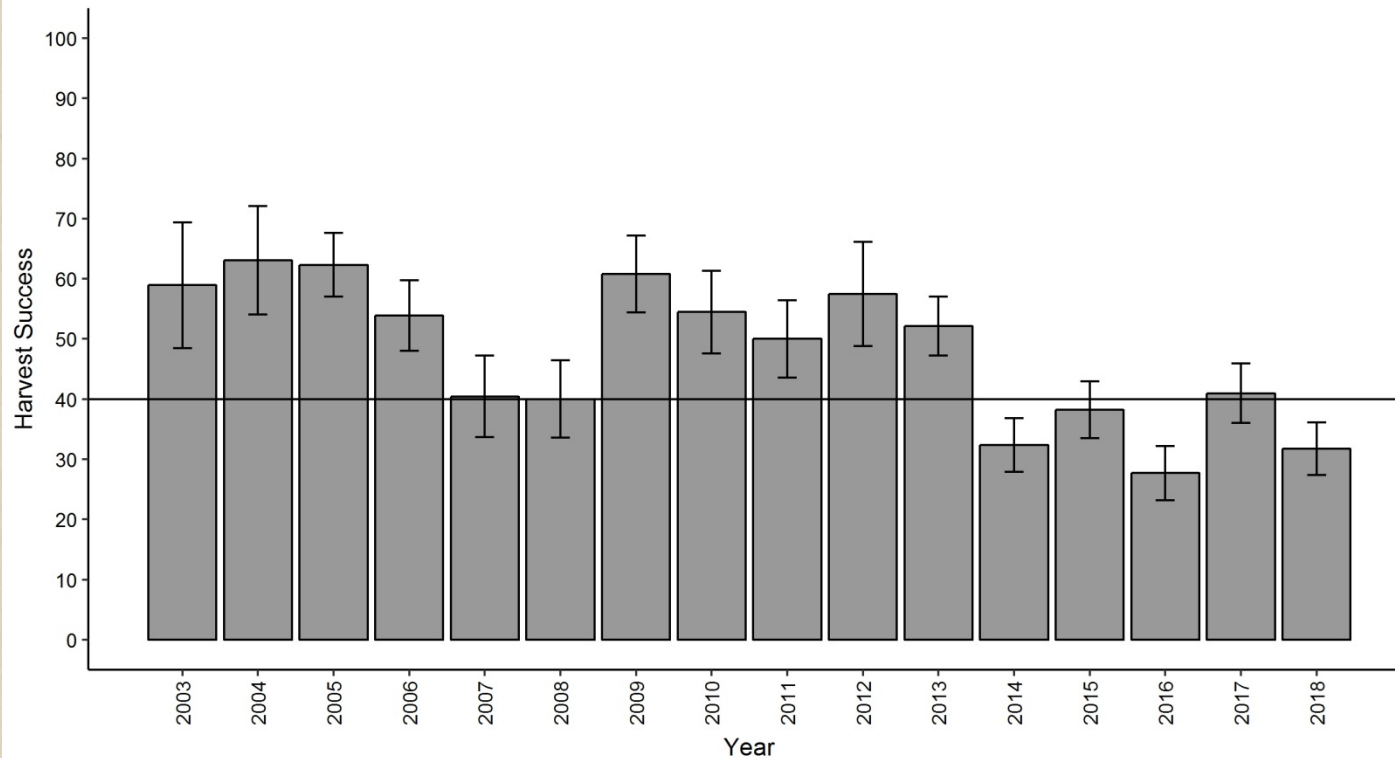
Spring Harvest Success for Campbell and Walworth Counties 2003-2018



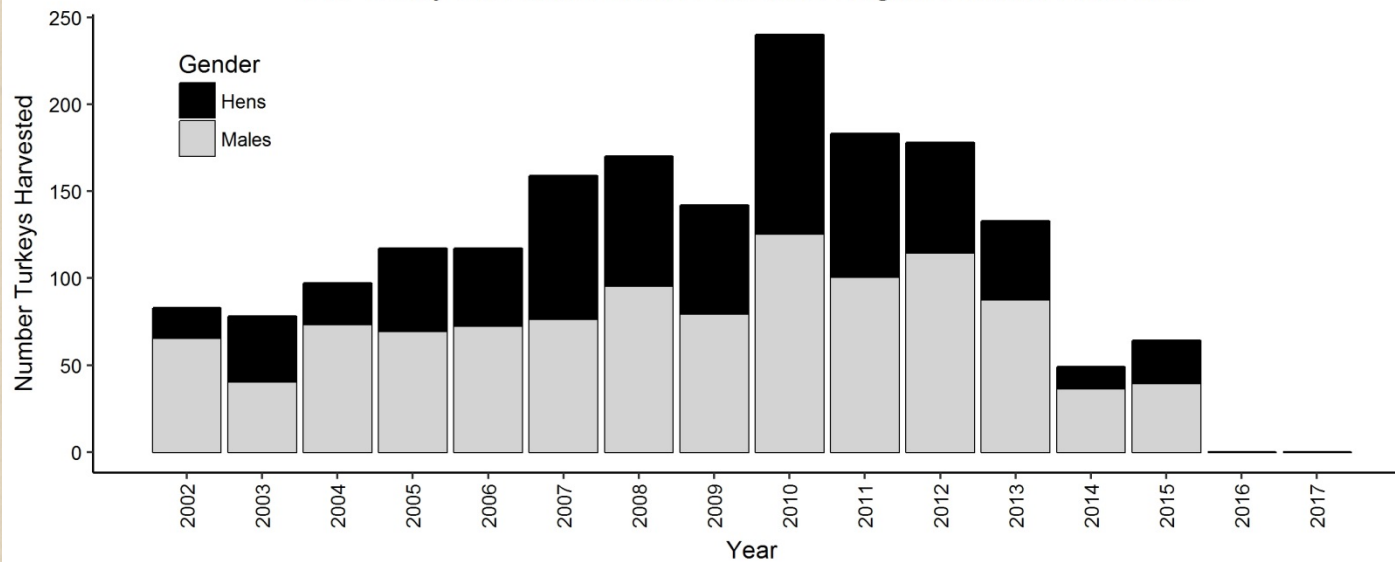
Fall Turkey Harvest for Campbell and Walworth Counties 2010-2017



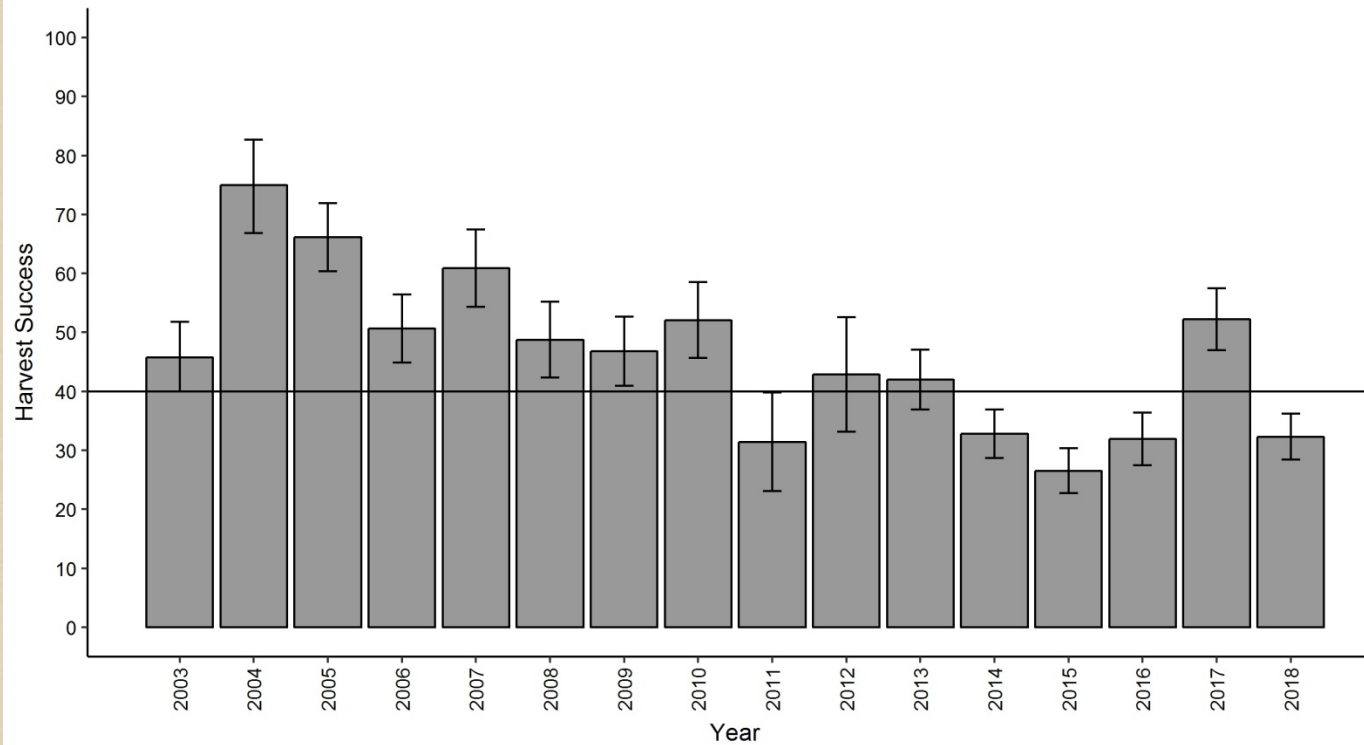
Spring Harvest Success for Charles Mix and Douglas Counties 2003-2018



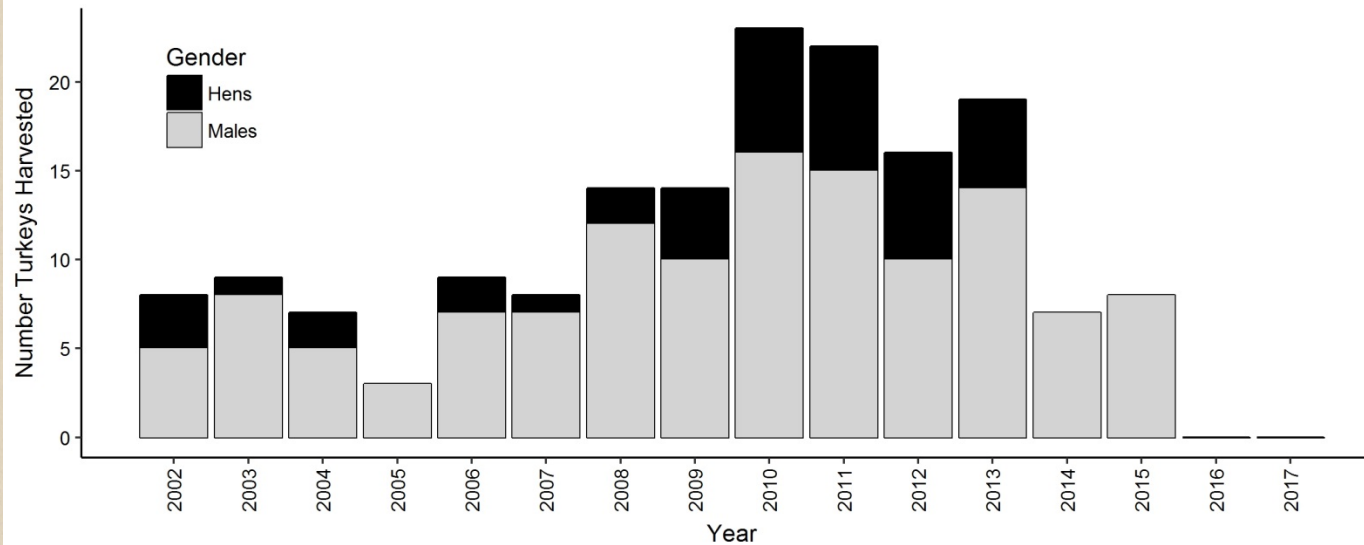
Fall Turkey Harvest for Charles Mix and Douglas Counties 2002-2017



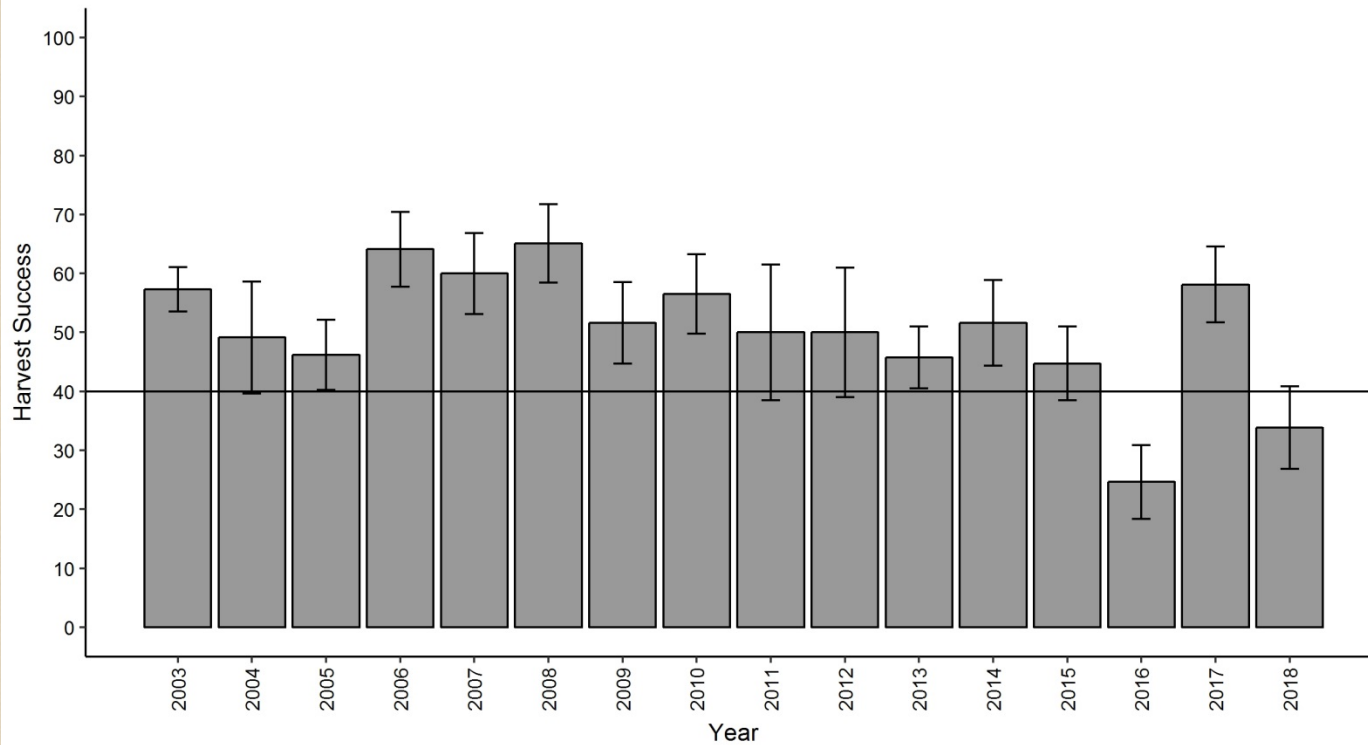
Spring Harvest Success for Clay County 2003-2018



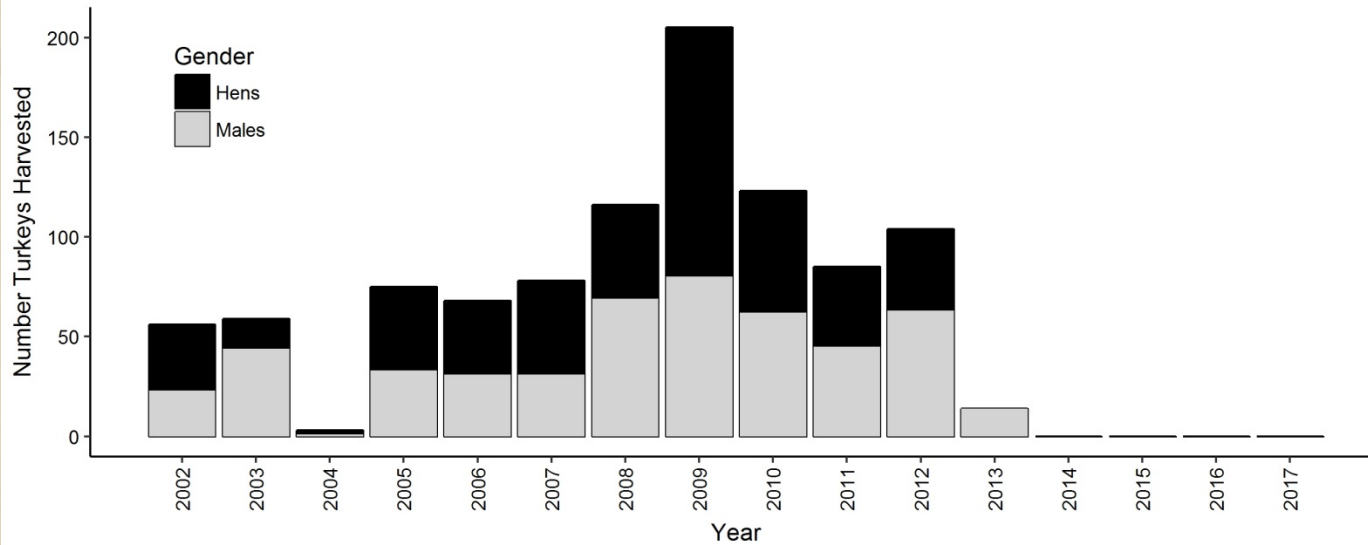
Fall Turkey Harvest for Clay County 2002-2017



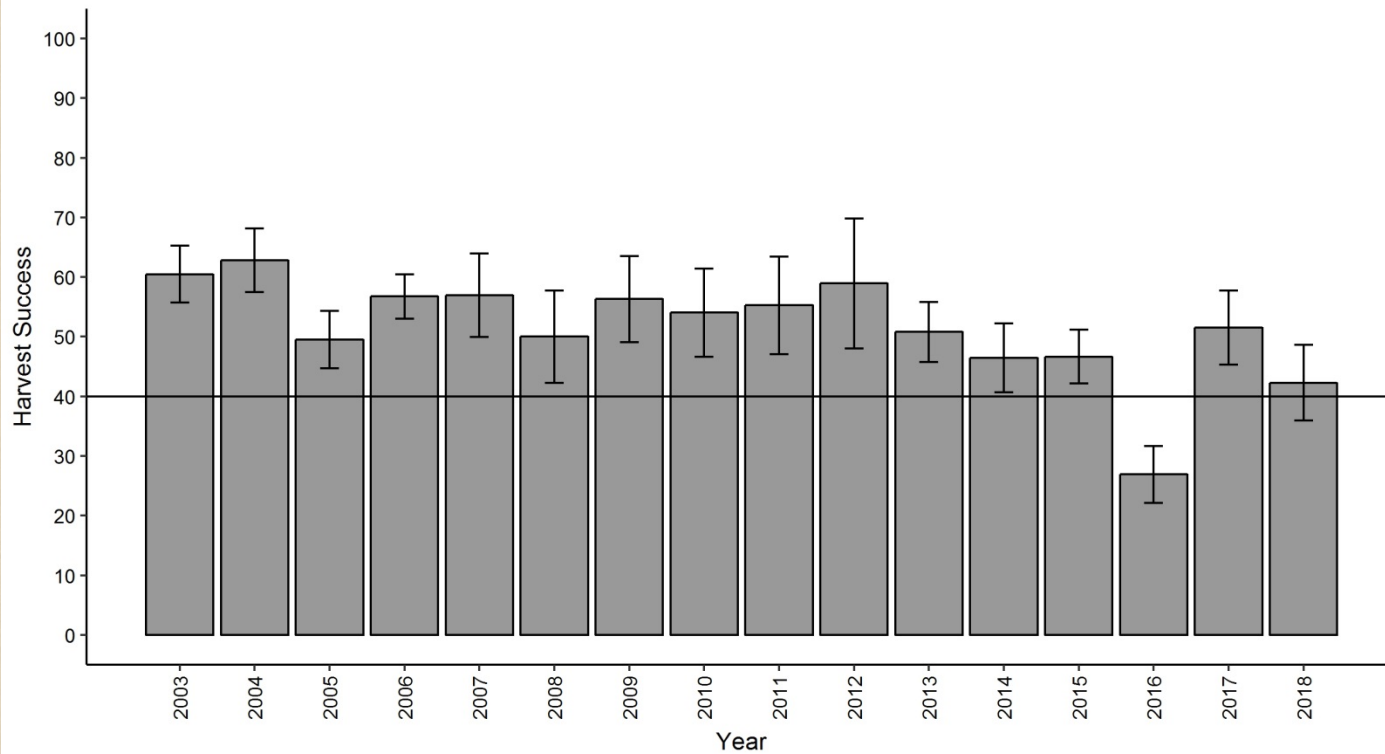
Spring Harvest Success for Corson County 2003-2018



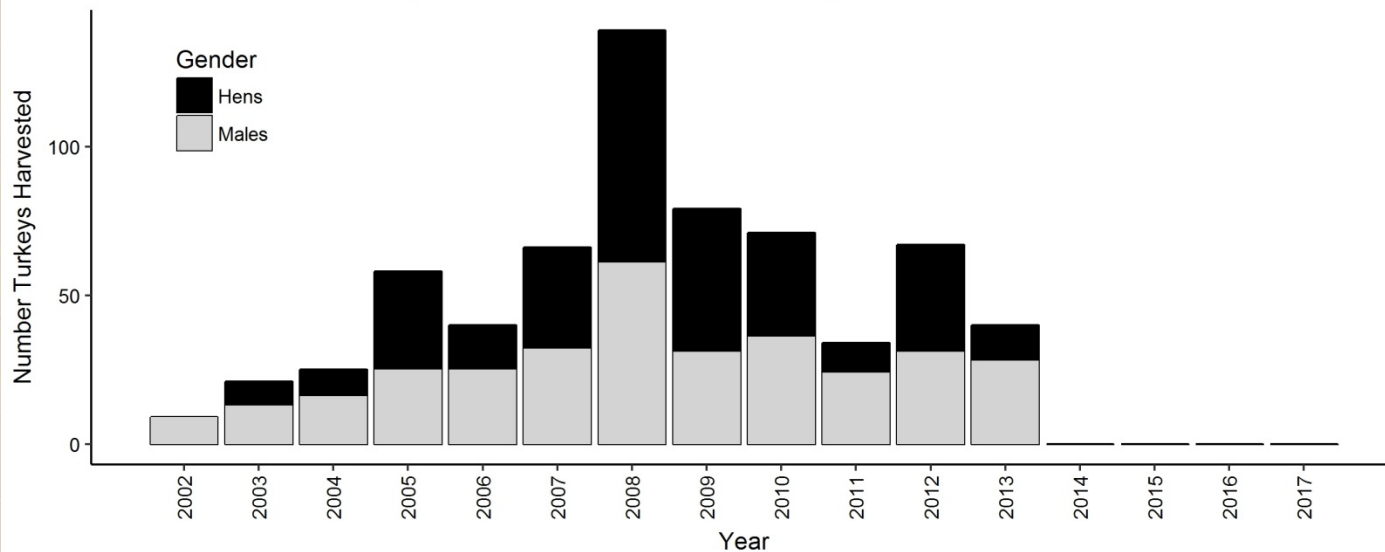
Fall Turkey Harvest for Corson County 2002-2017



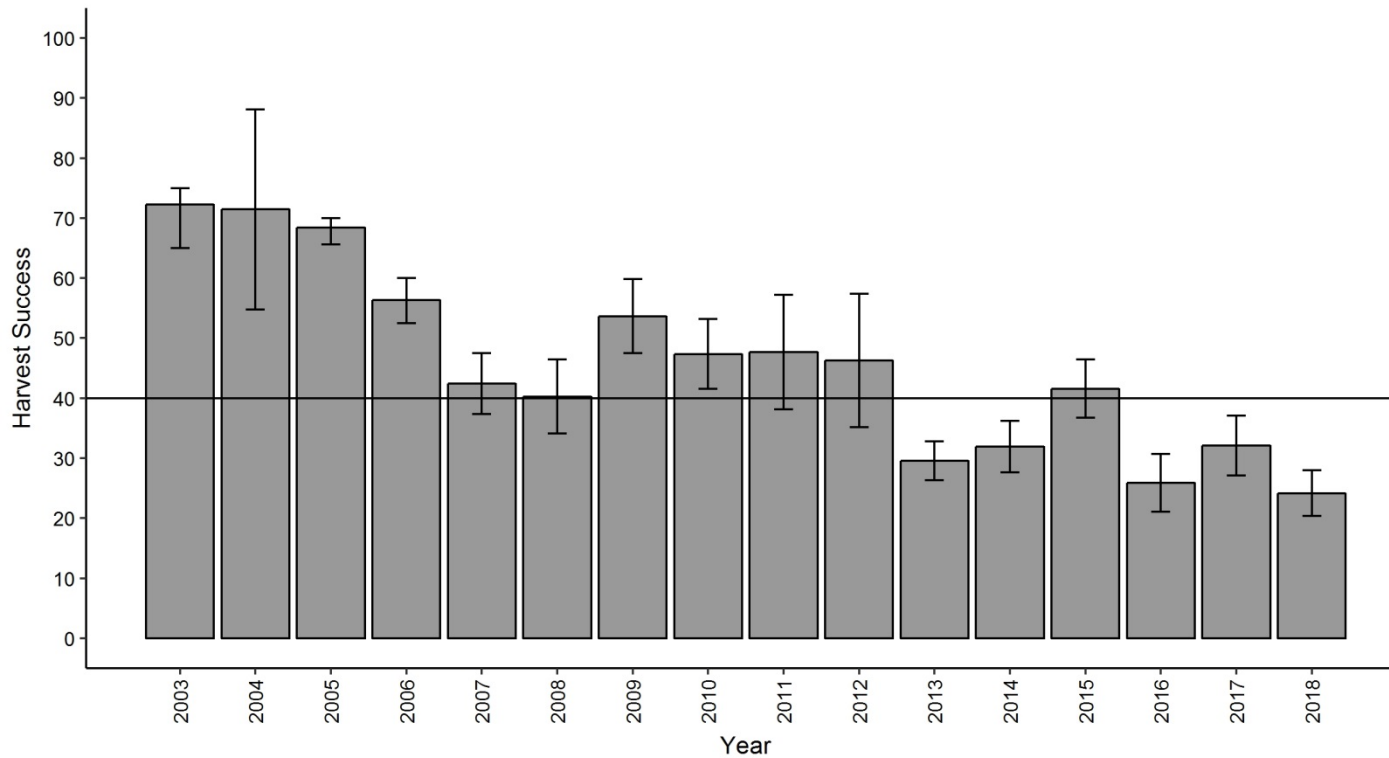
Spring Harvest Success for Custer and Pennington Middle Portion 2003-2018



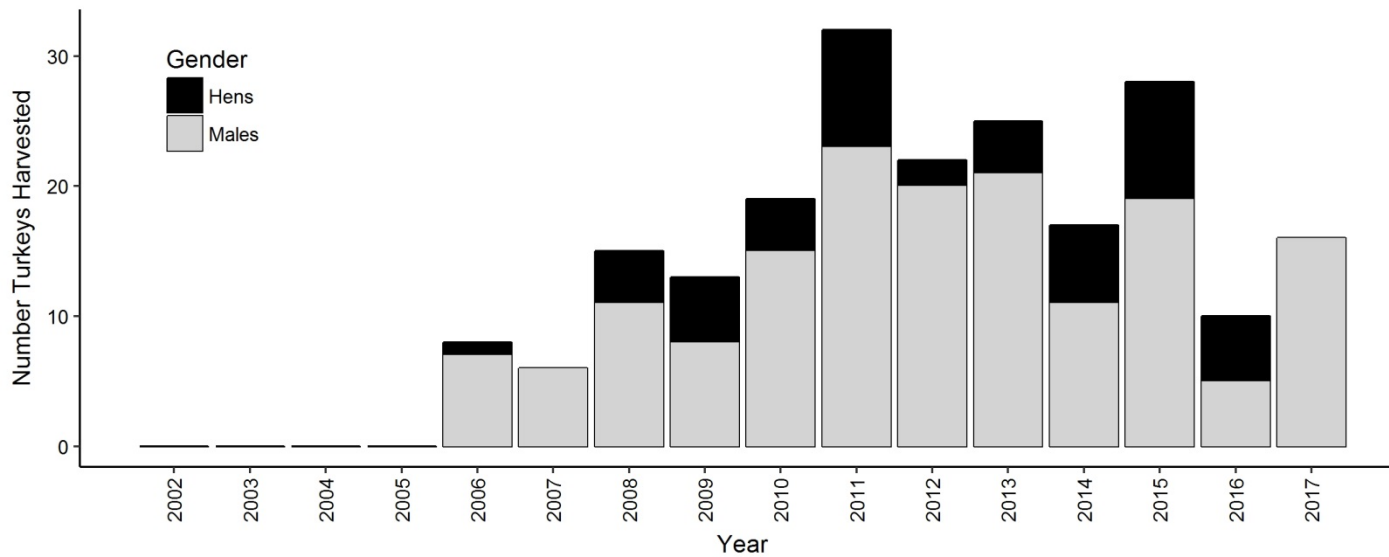
Fall Turkey Harvest for Custer and Pennington Middle Portion 2002-2017



Spring Harvest Success for Davison and Hanson Counties 2003-2018

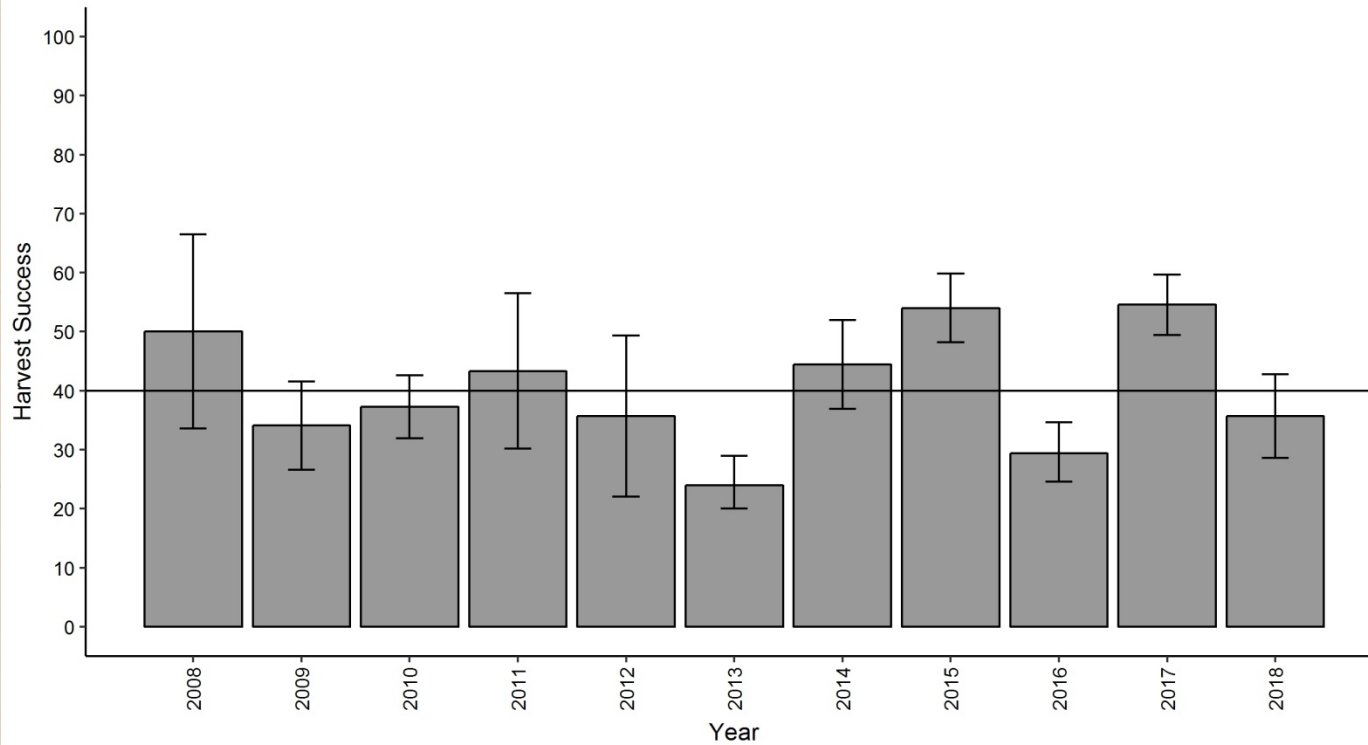


Fall Turkey Harvest for Davison and Hanson Counties 2002-2017

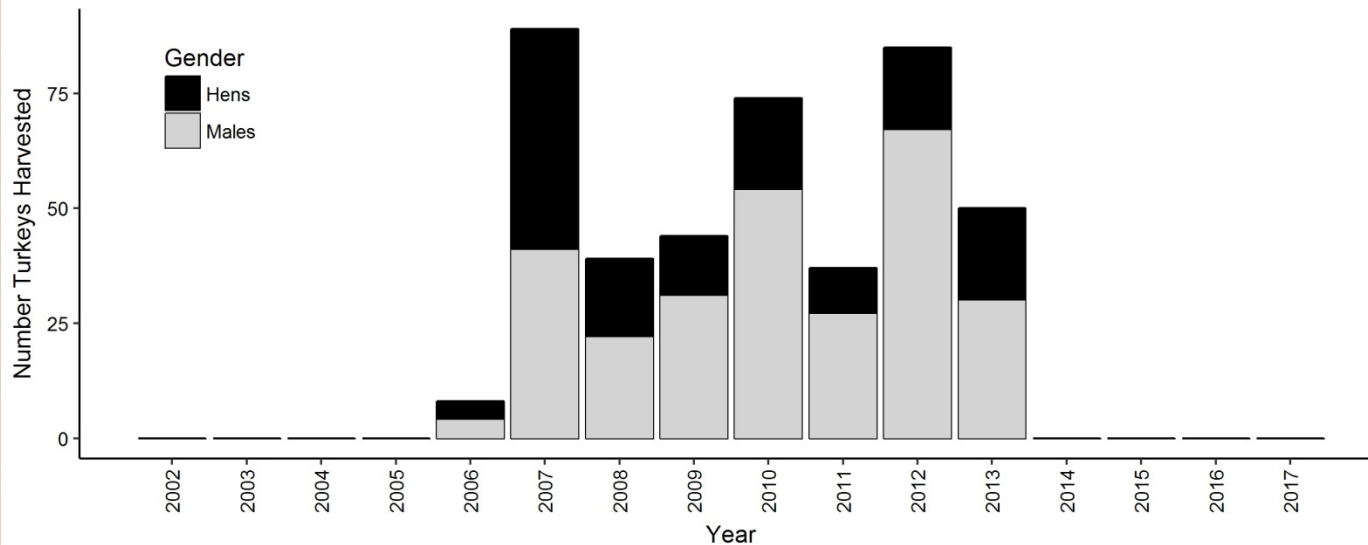




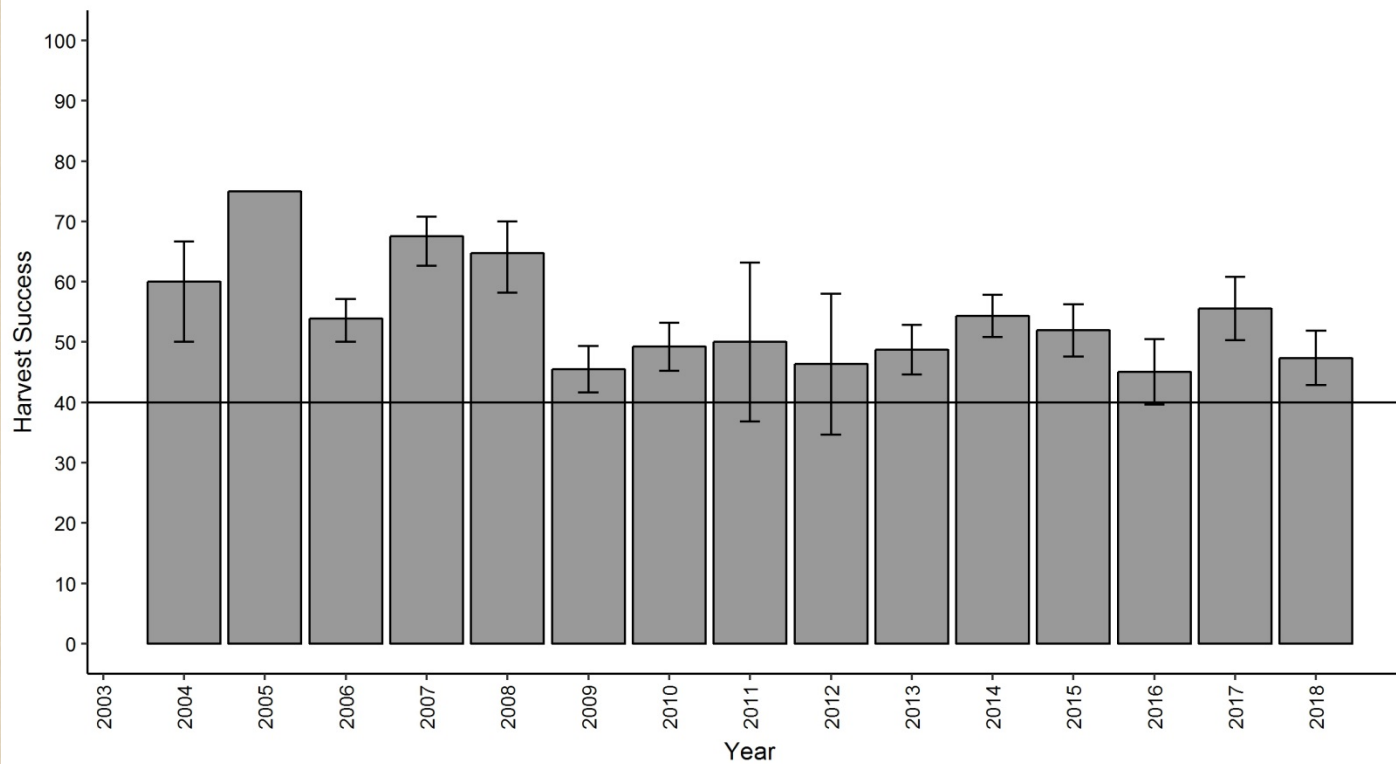
Spring Harvest Success for Day and Codington Counties 2003-2018



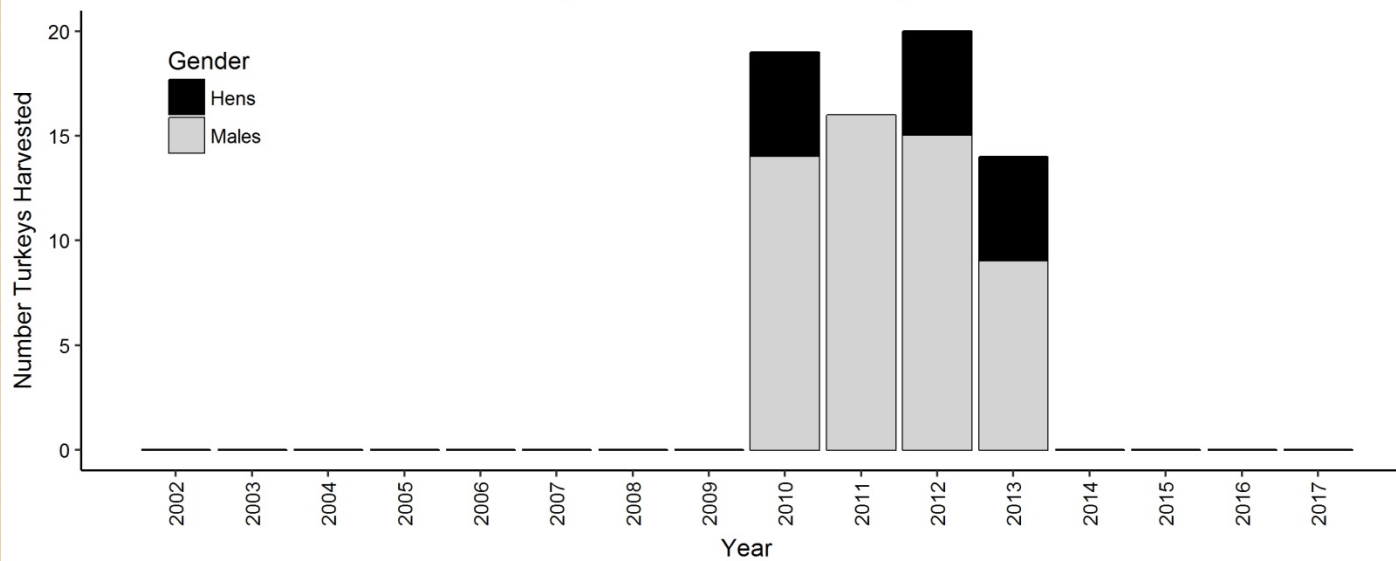
Fall Turkey Harvest for Day and Codington Counties 2002-2017



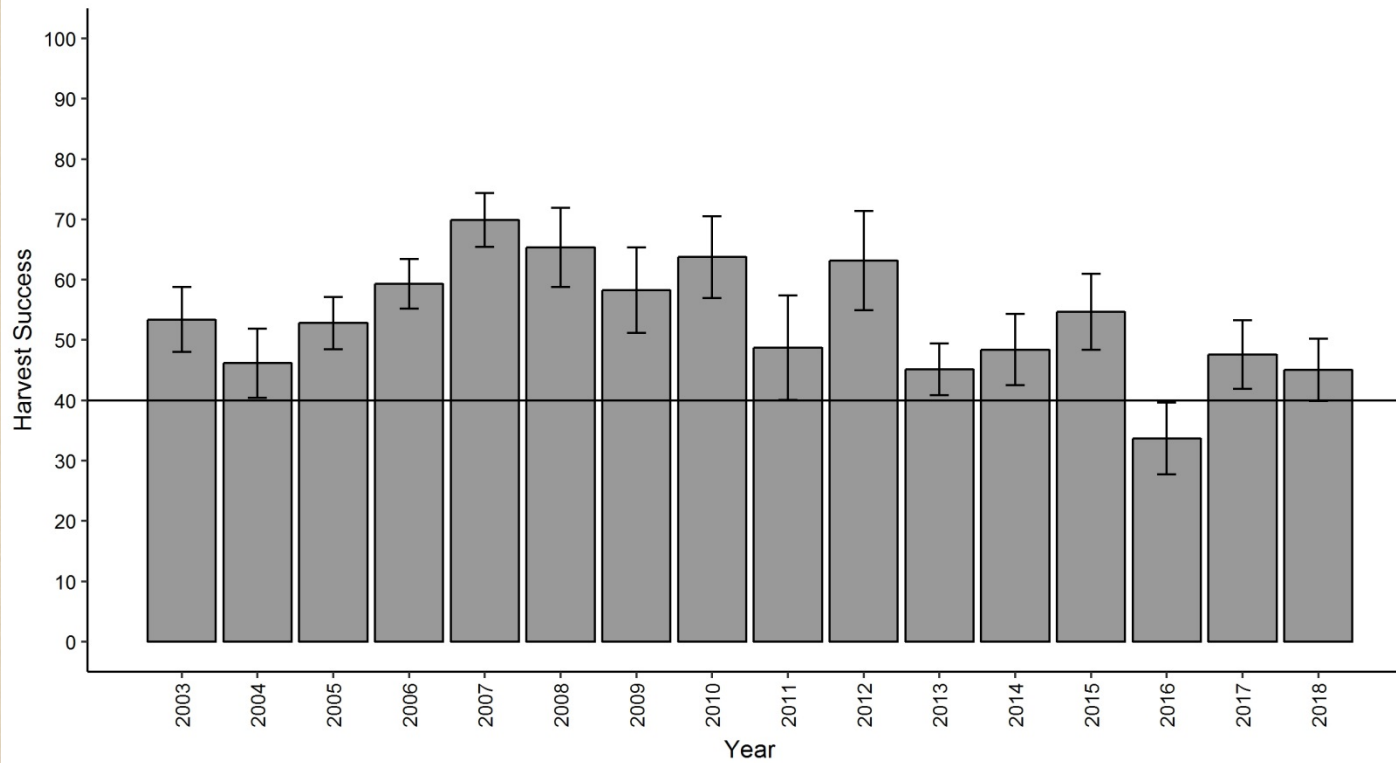
Spring Harvest Success for Deuel County 2003-2018



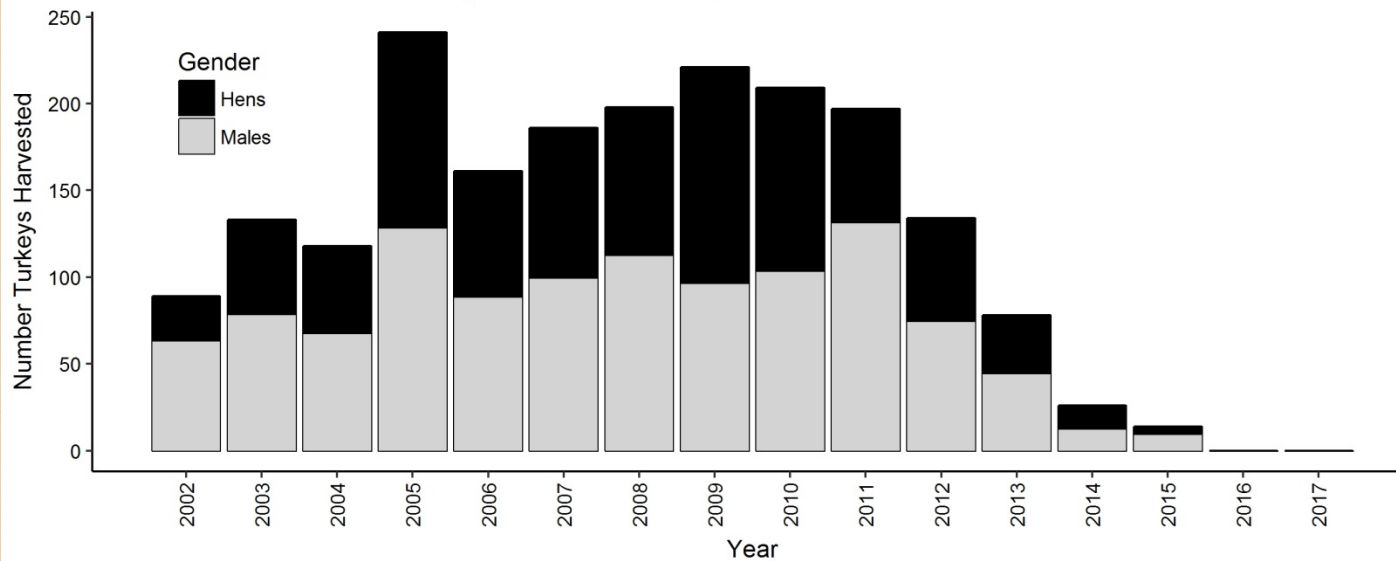
Fall Turkey Harvest for Deuel County 2002-2017



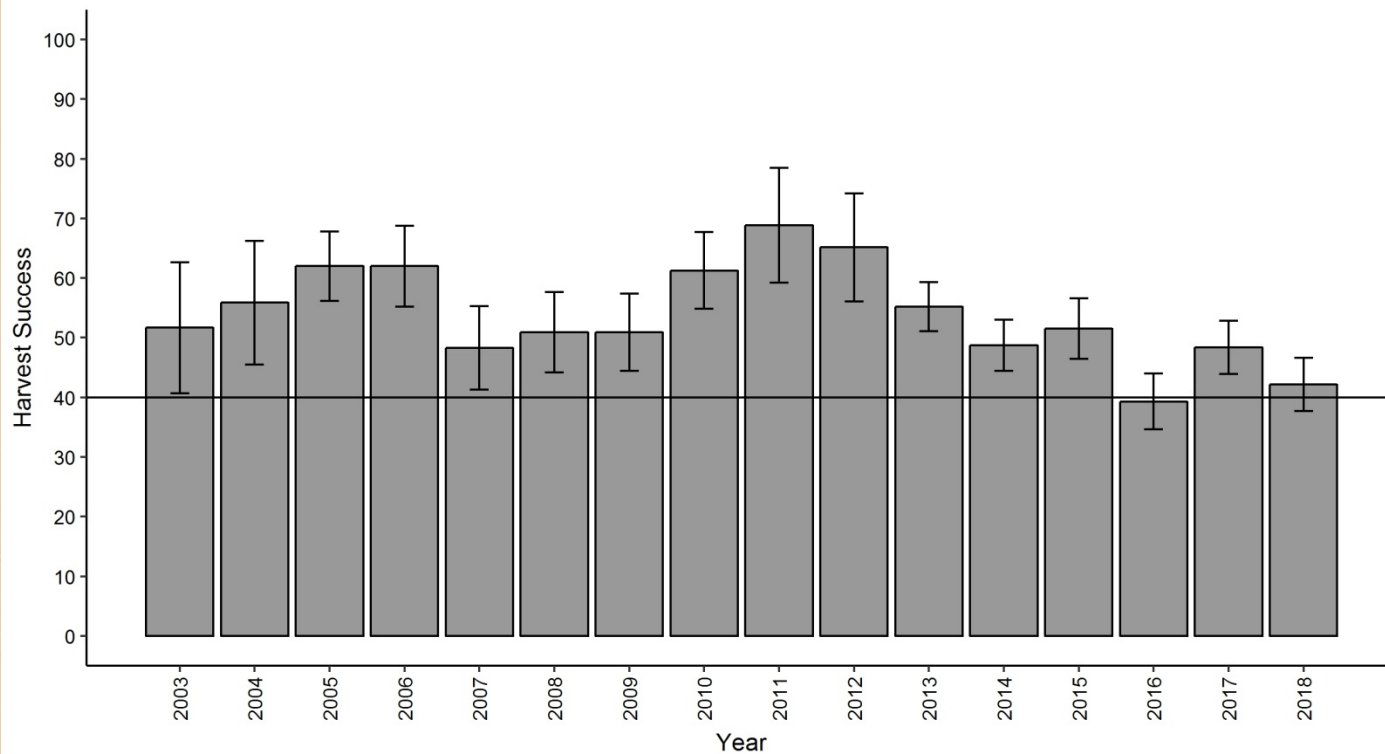
Spring Harvest Success for Dewey and Ziebach Counties 2003-2018



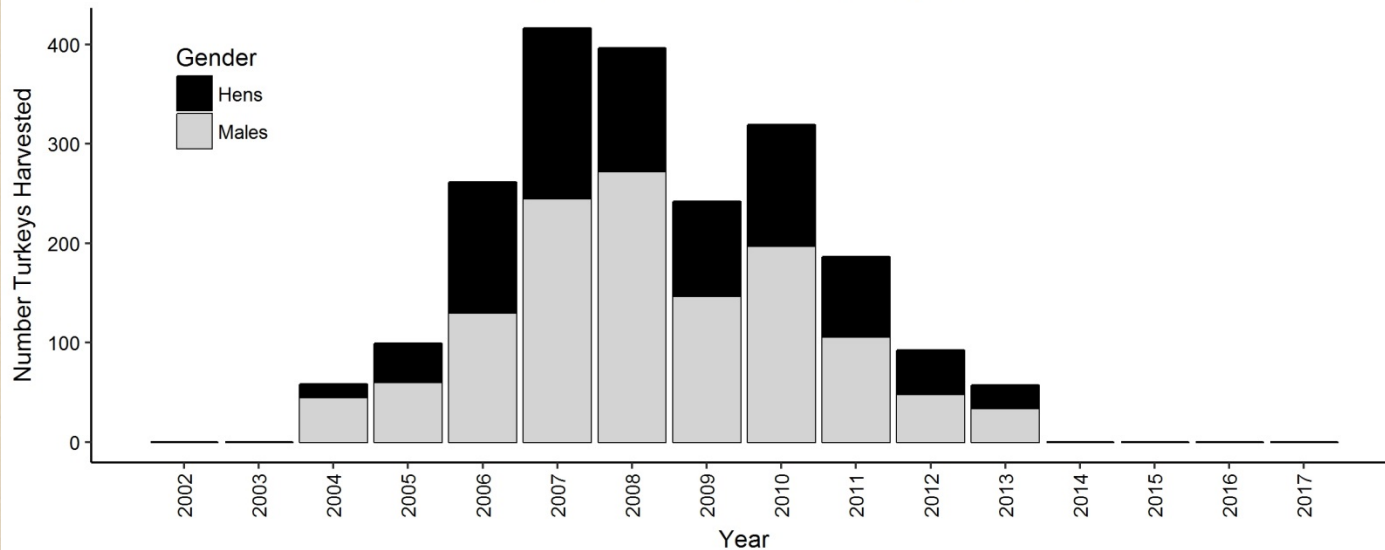
Fall Turkey Harvest for Dewey and Ziebach Counties 2002-2017



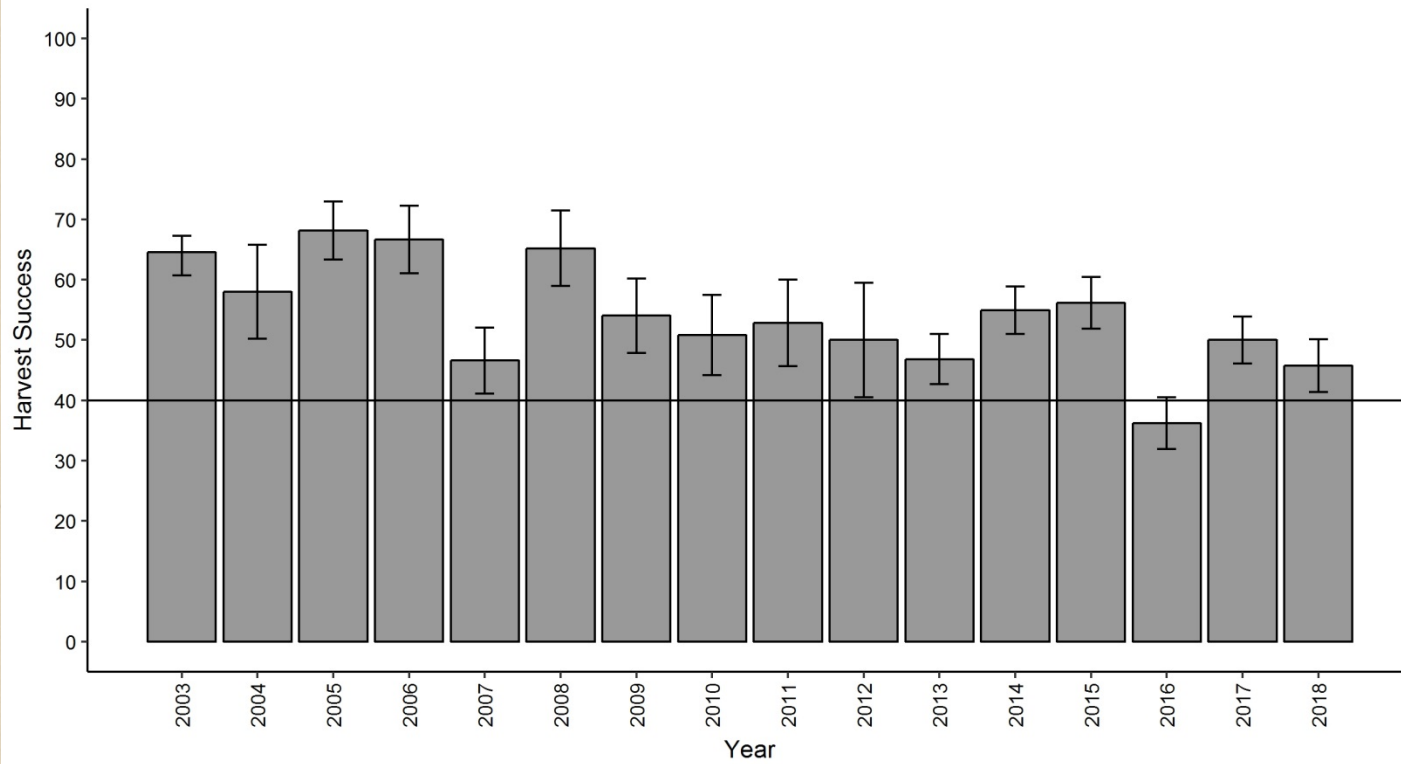
Spring Harvest Success for Fall River County 2003-2018



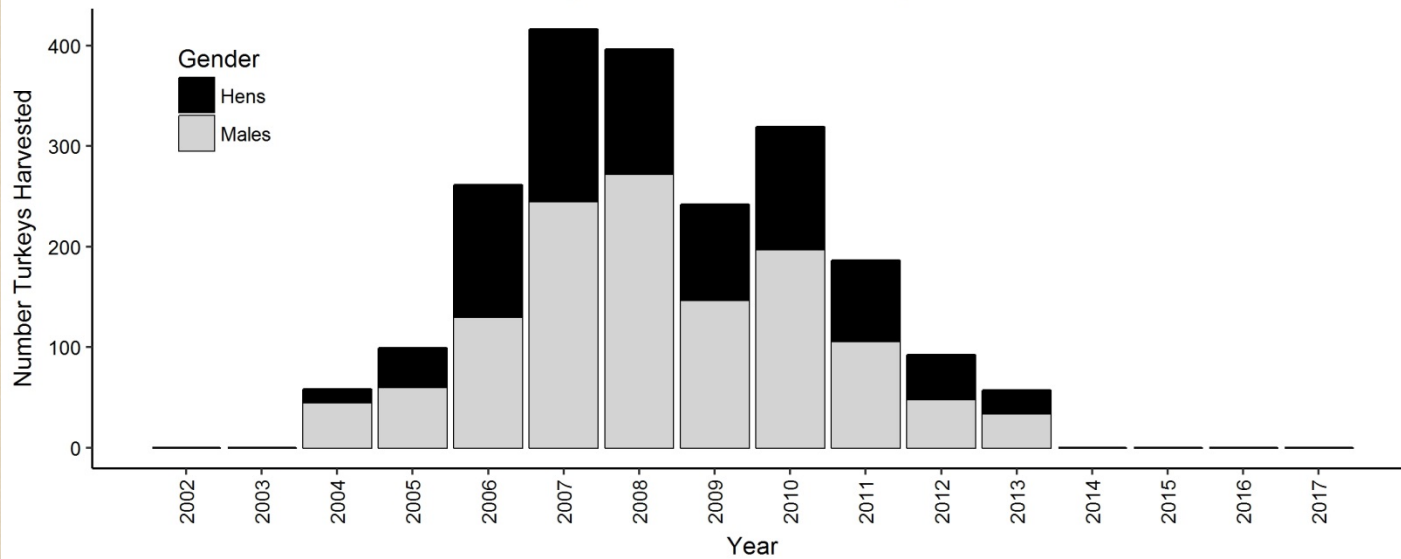
Fall Turkey Harvest for Fall River County 2002-2017



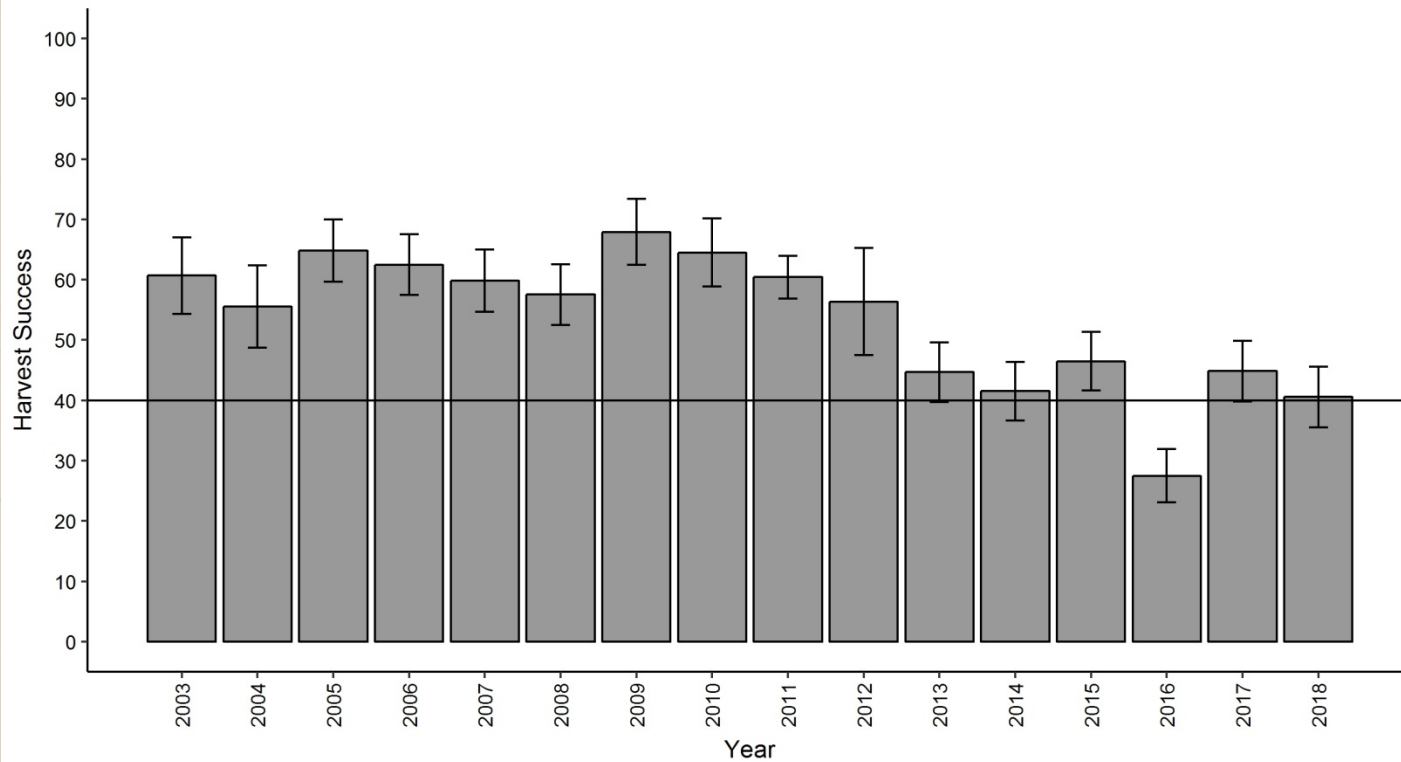
Spring Harvest Success for Grant County 2003-2018



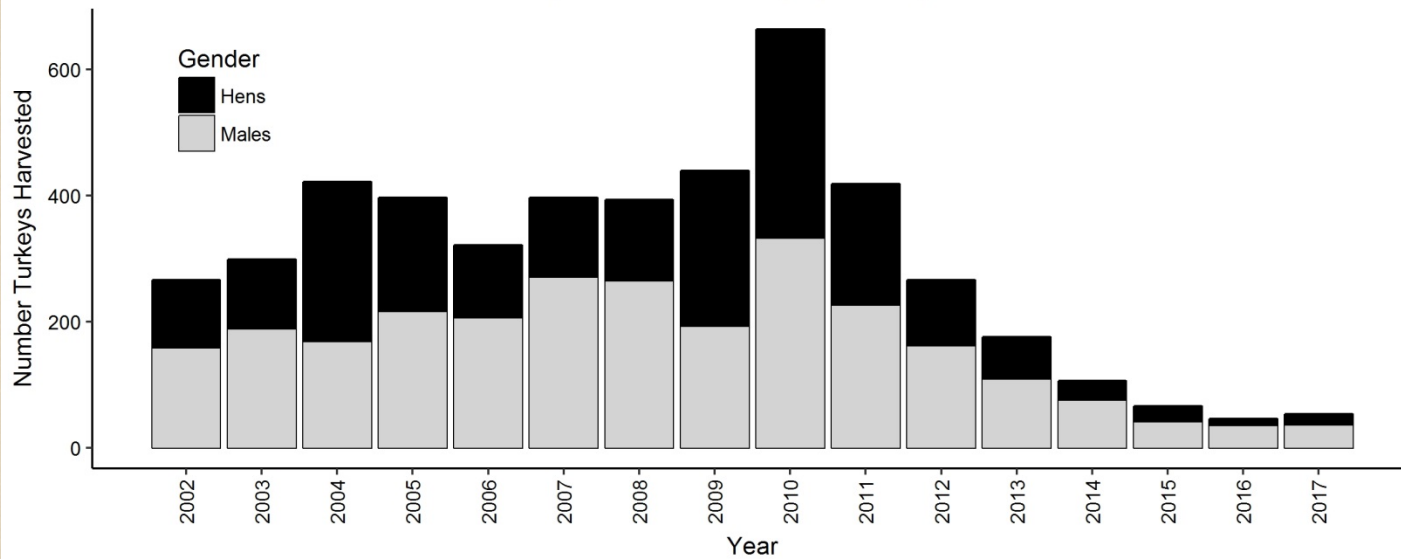
Fall Turkey Harvest for Grant County 2002-2017



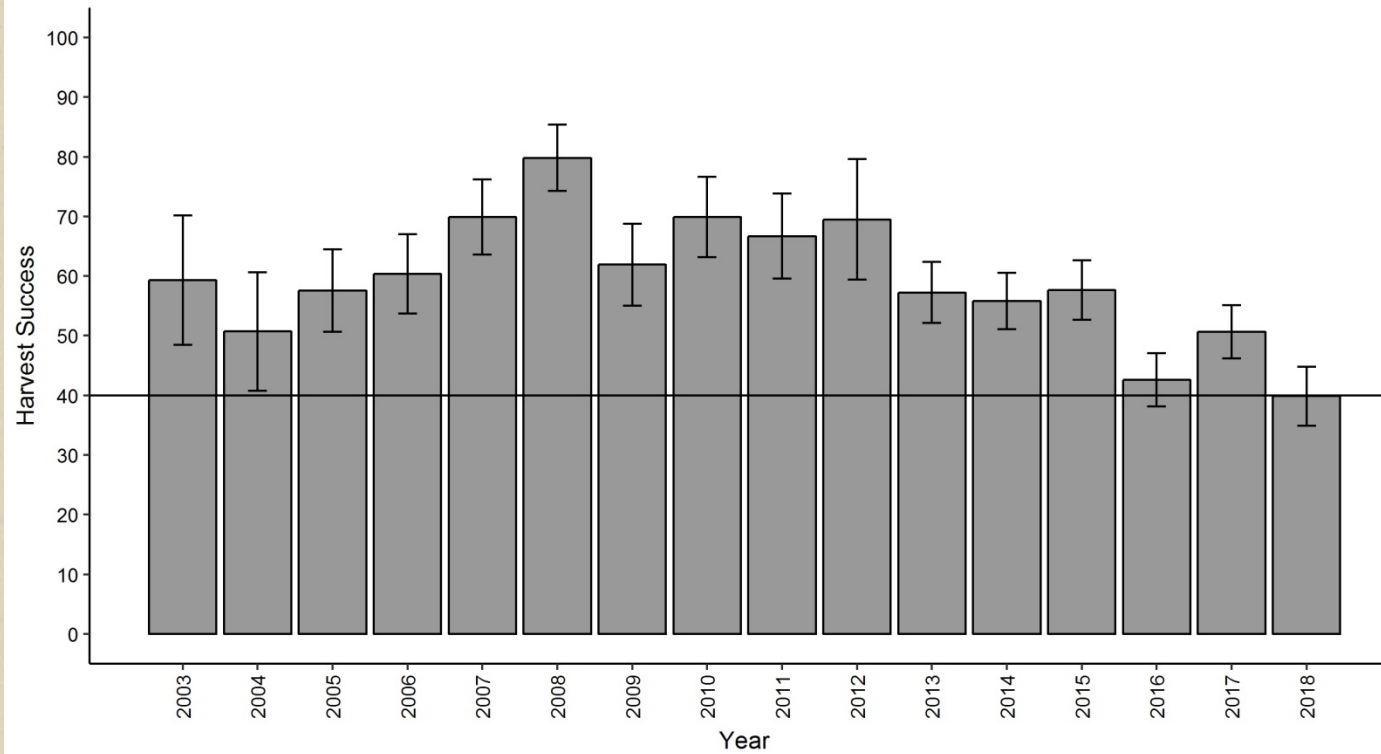
Spring Harvest Success for Gregory County 2003-2018



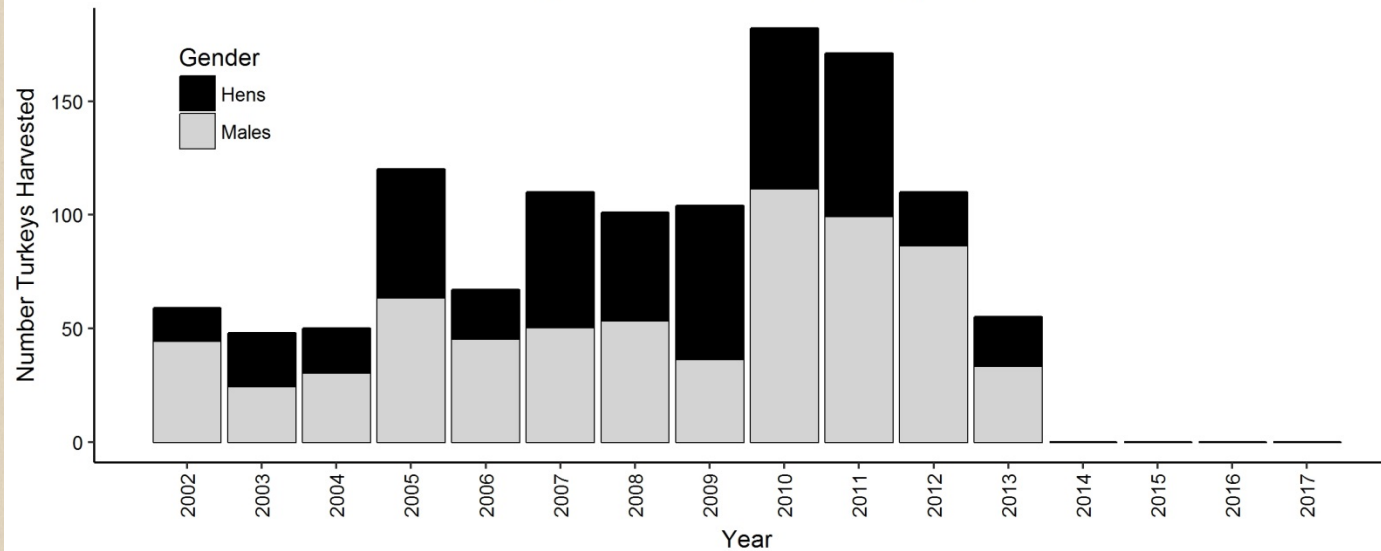
Fall Turkey Harvest for Gregory County 2002-2017



Spring Harvest Success for Haakon County 2003-2018

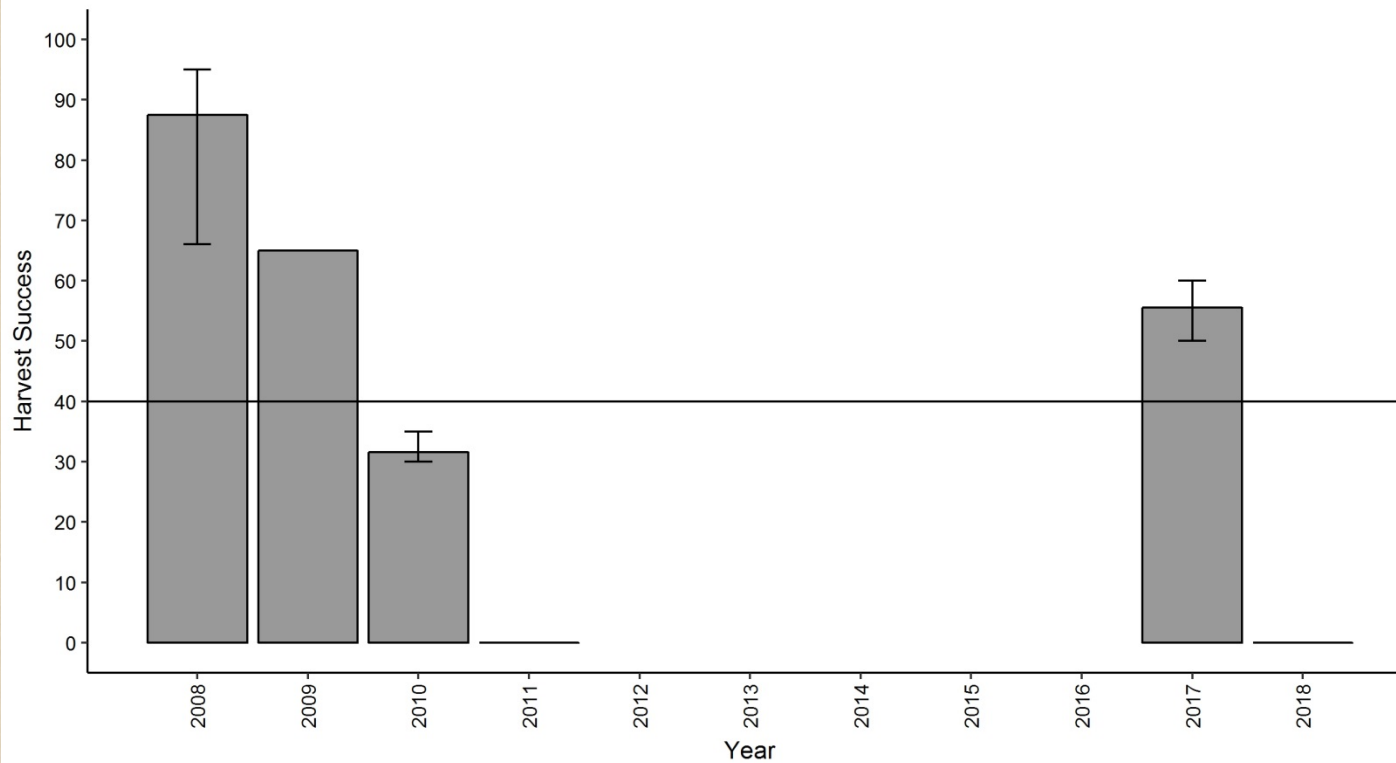


Fall Turkey Harvest for Haakon County 2002-2017

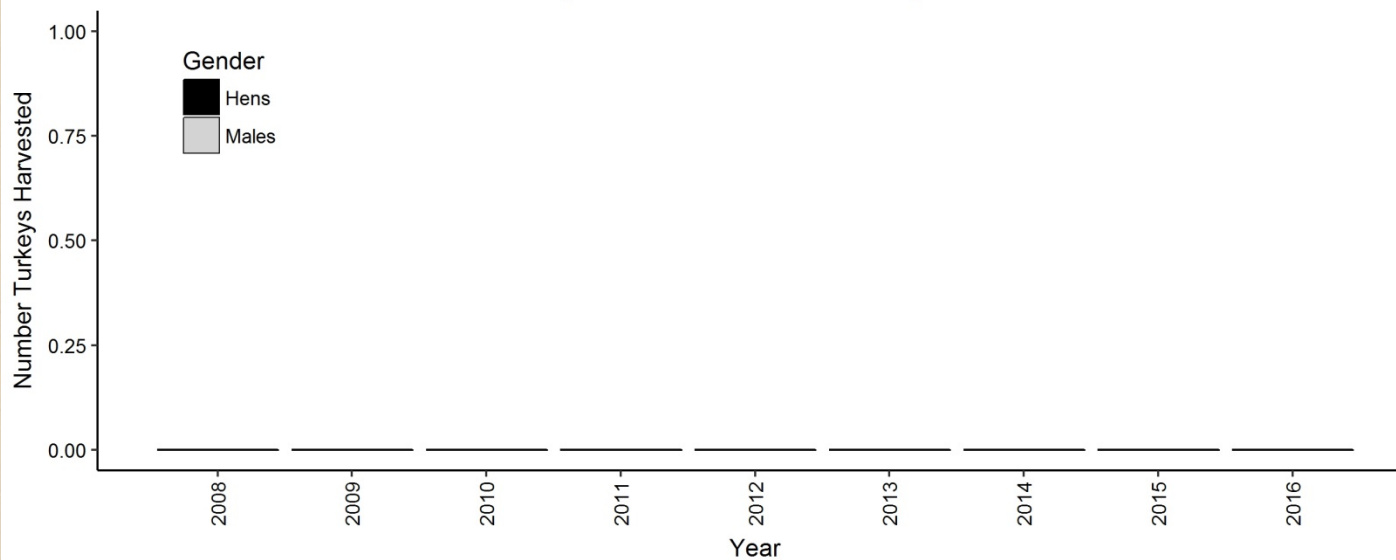




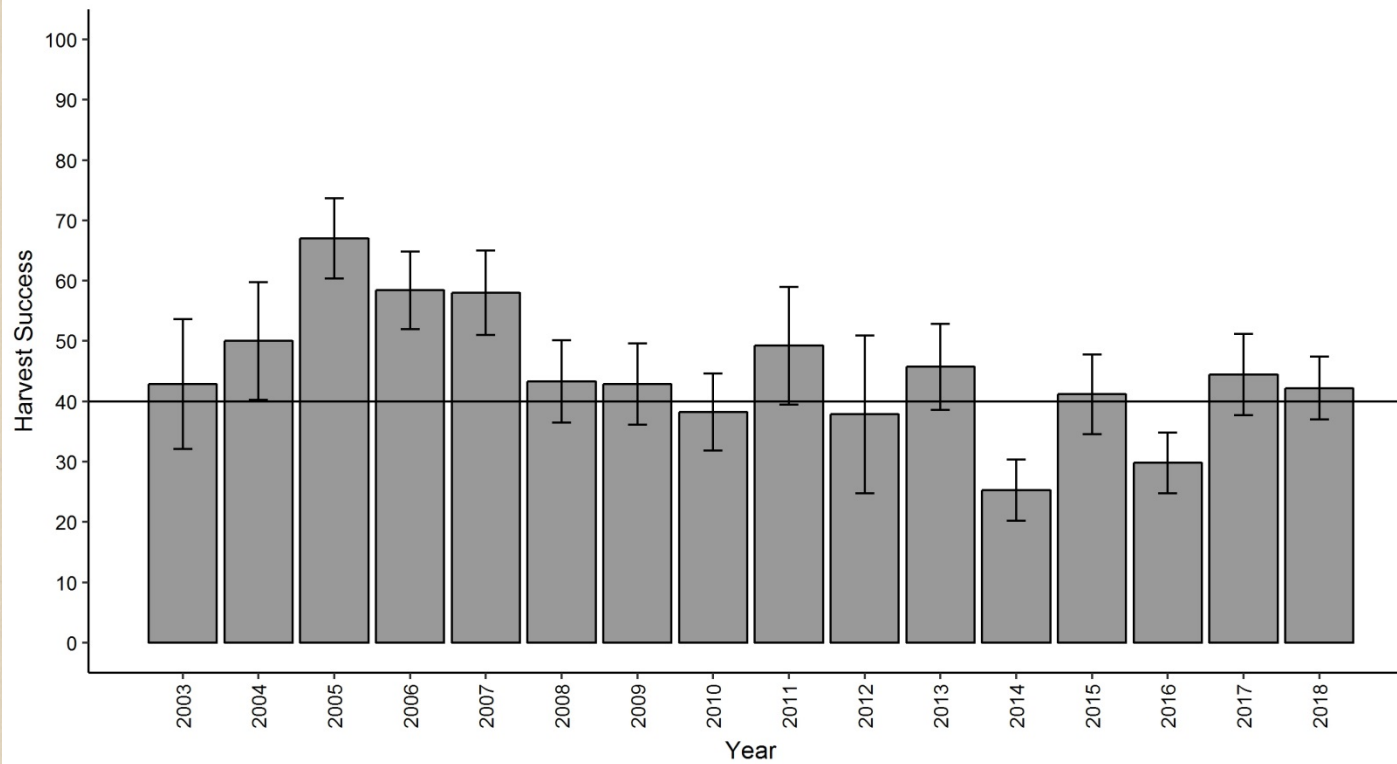
Spring Harvest Success for Hamlin County 2003-2018



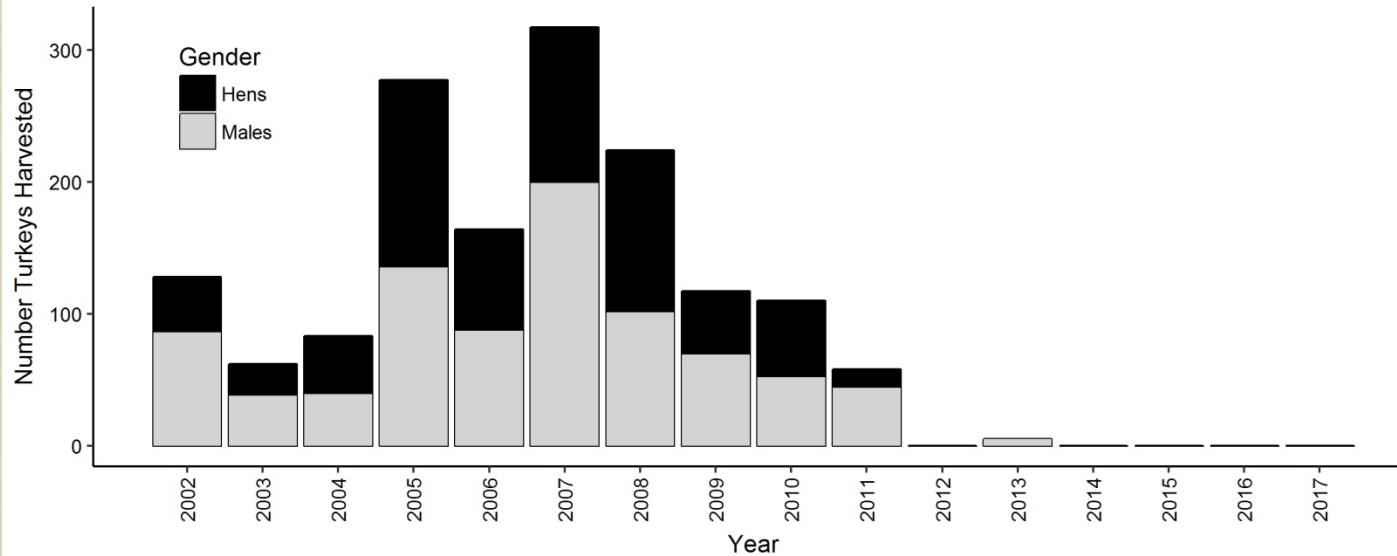
Fall Turkey Harvest for Hamlin County 2002-2017



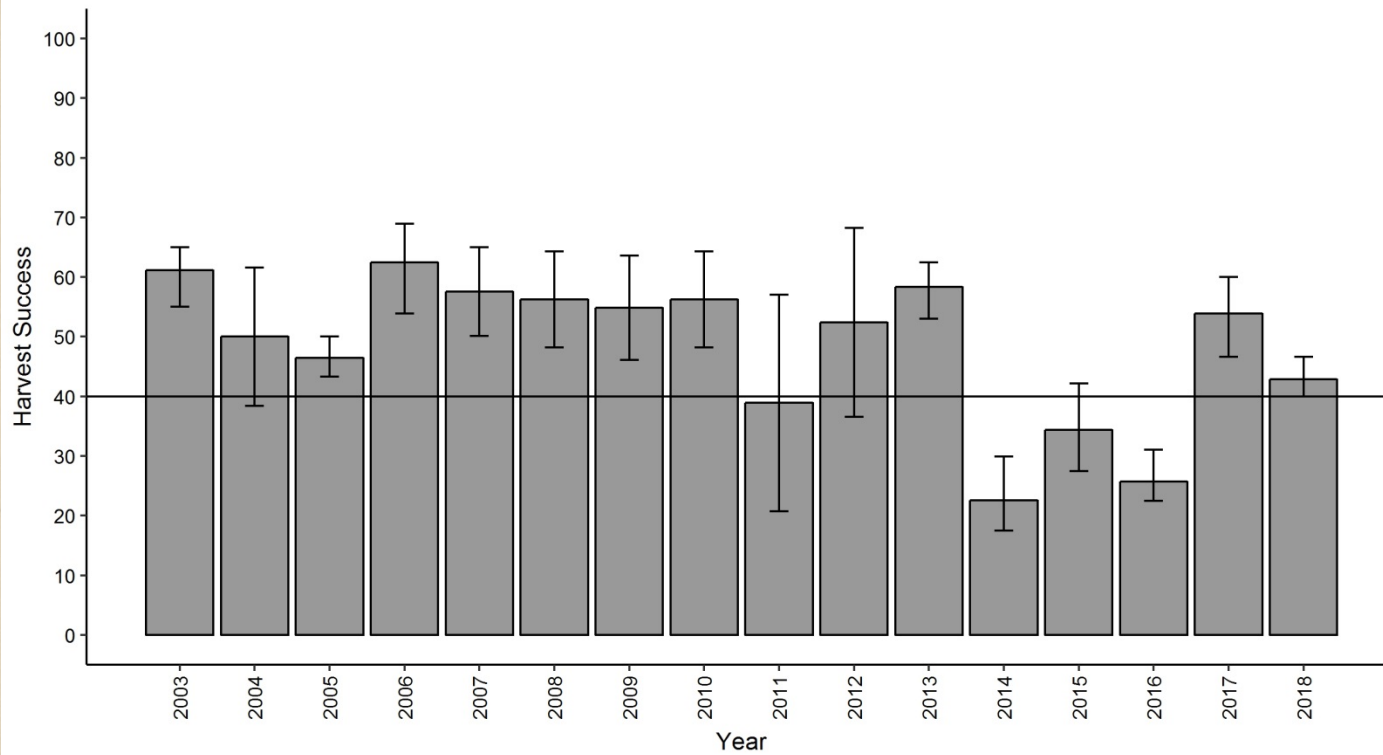
Spring Harvest Success for Harding County 2003-2018



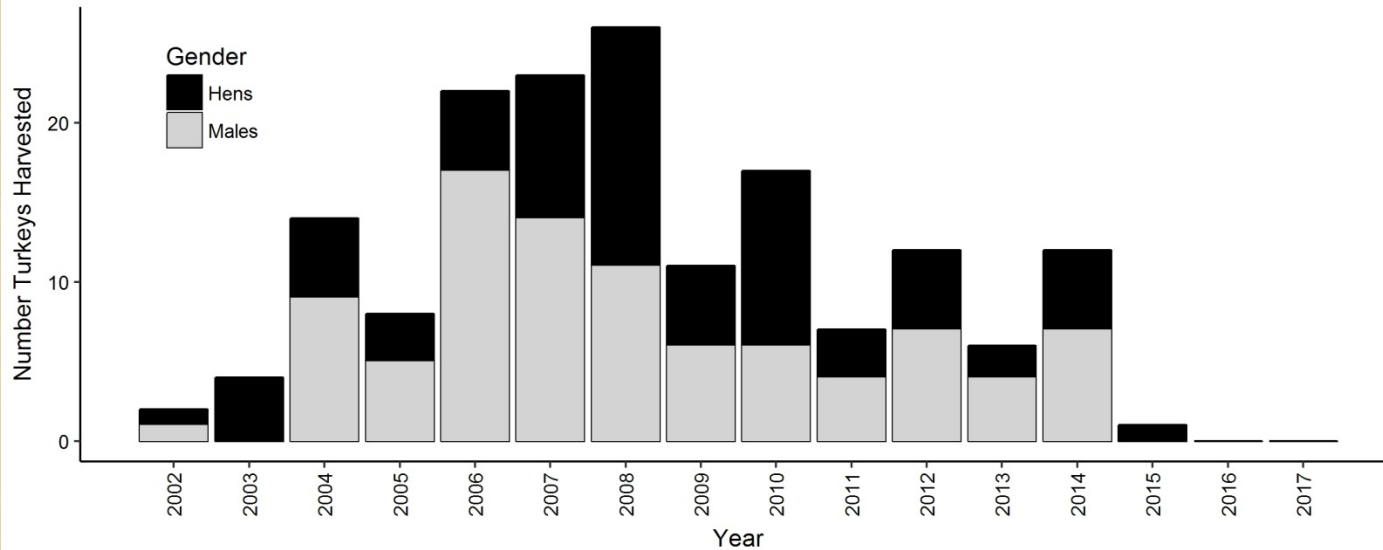
Fall Turkey Harvest for Harding County 2002-2017



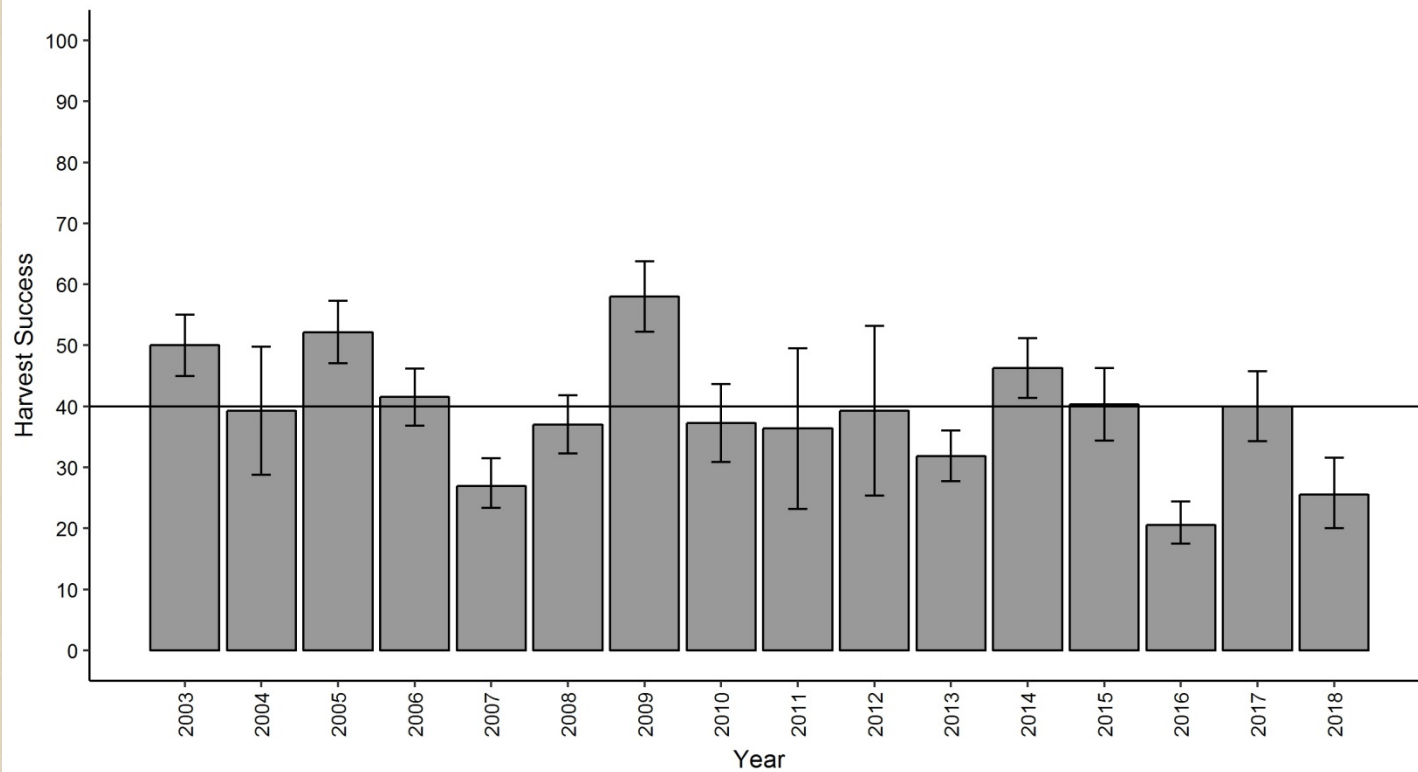
Spring Harvest Success for Hughes County 2003-2018



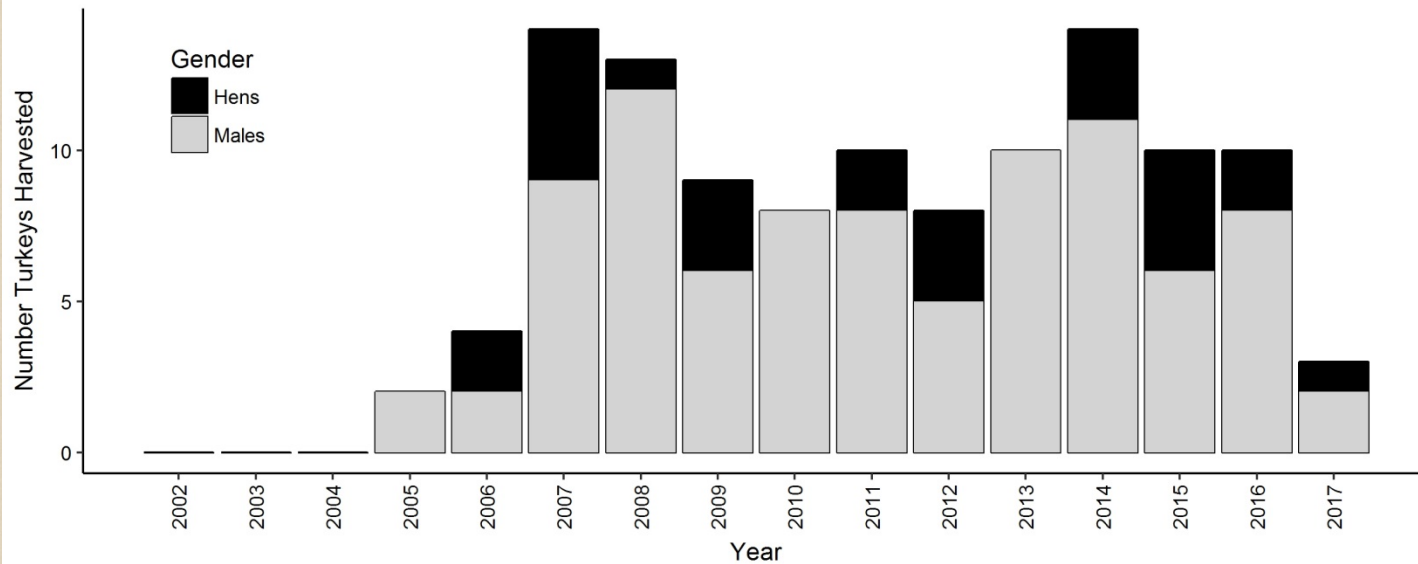
Fall Turkey Harvest for Hughes County 2002-2017



Spring Harvest Success for Hutchinson County 2003-2018

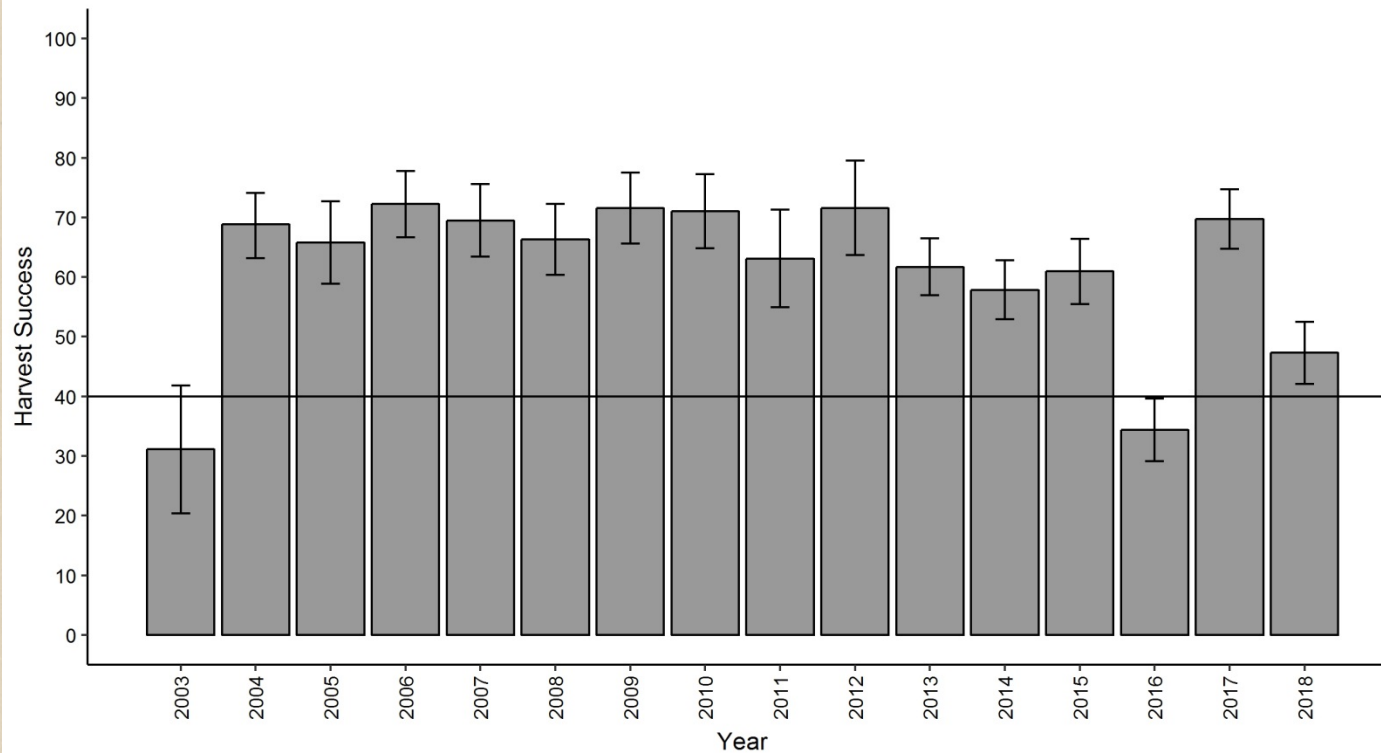


Fall Turkey Harvest for Hutchinson County 2002-2017

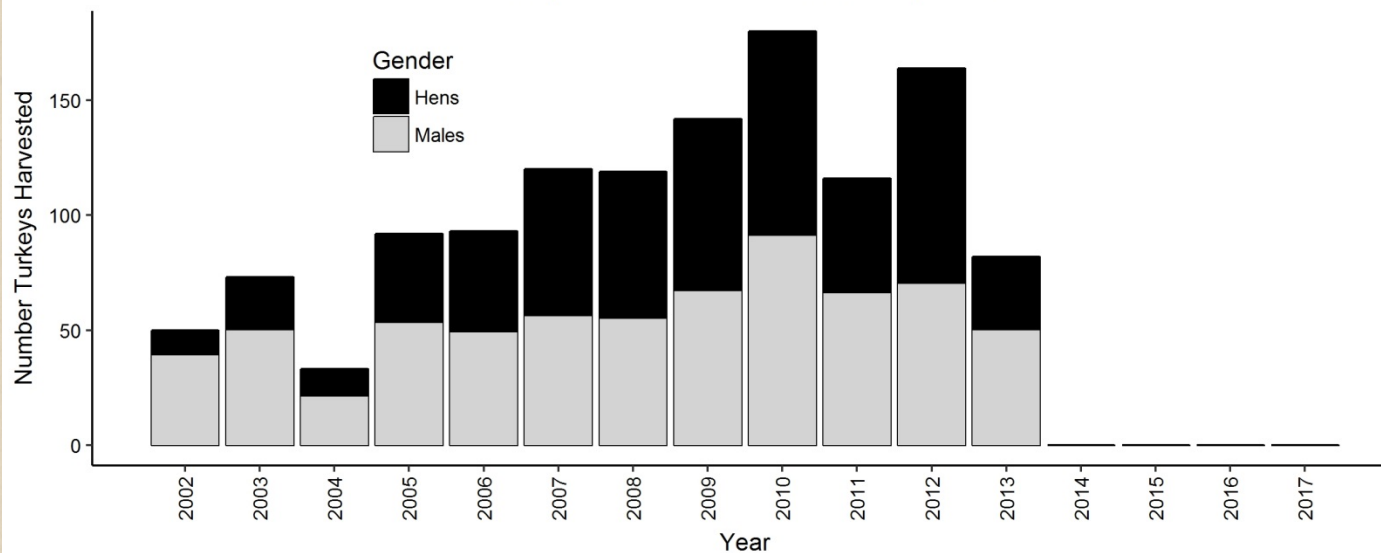




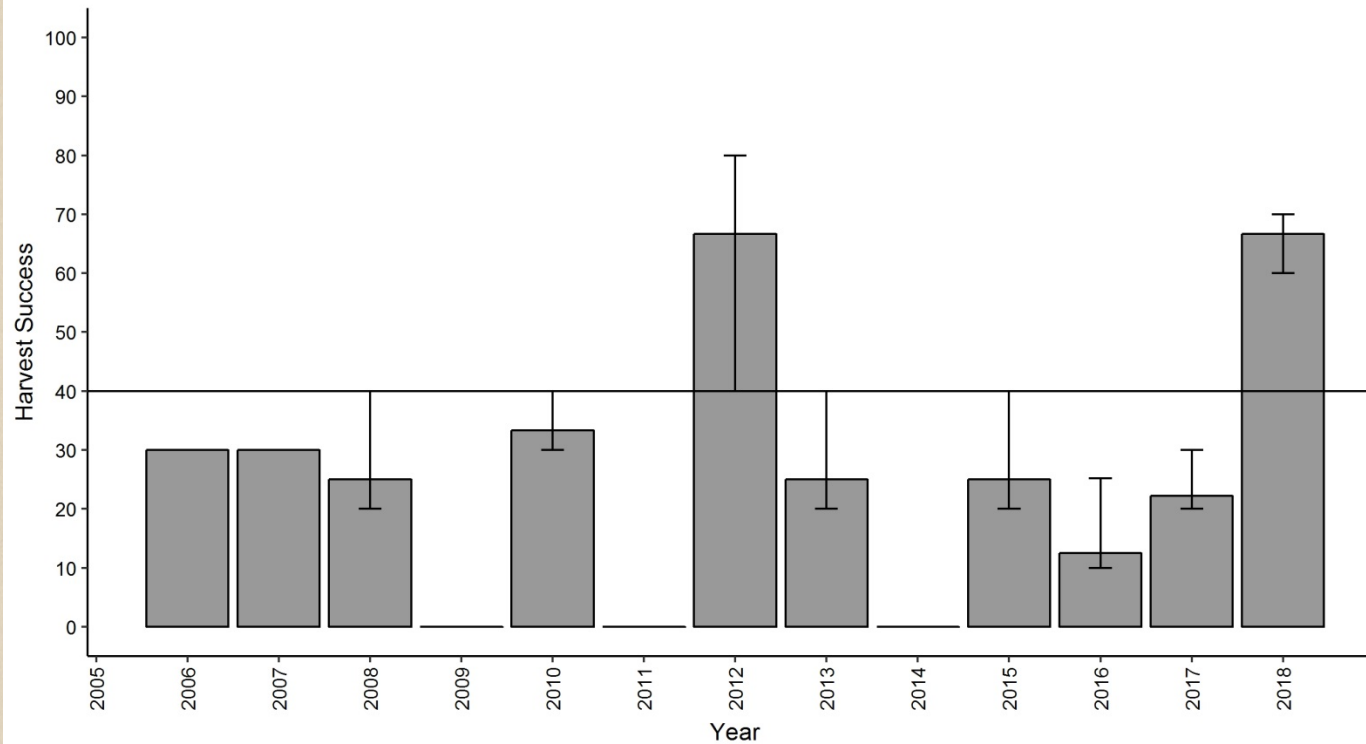
Spring Harvest Success for Jackson County 2003-2018



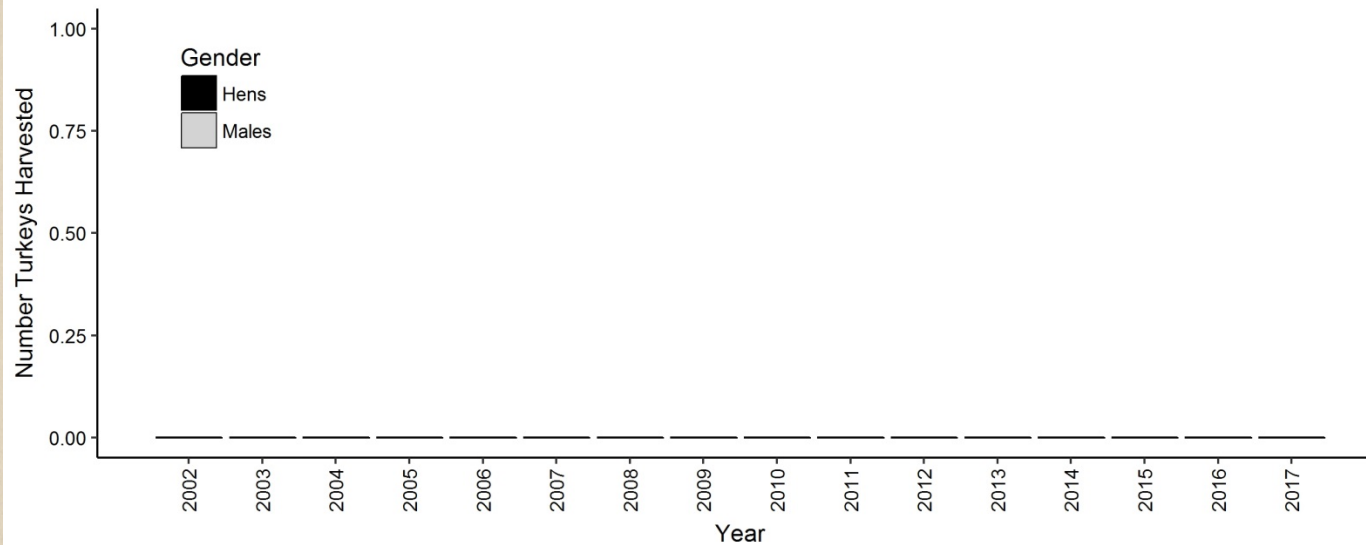
Fall Turkey Harvest for Jackson County 2002-2017



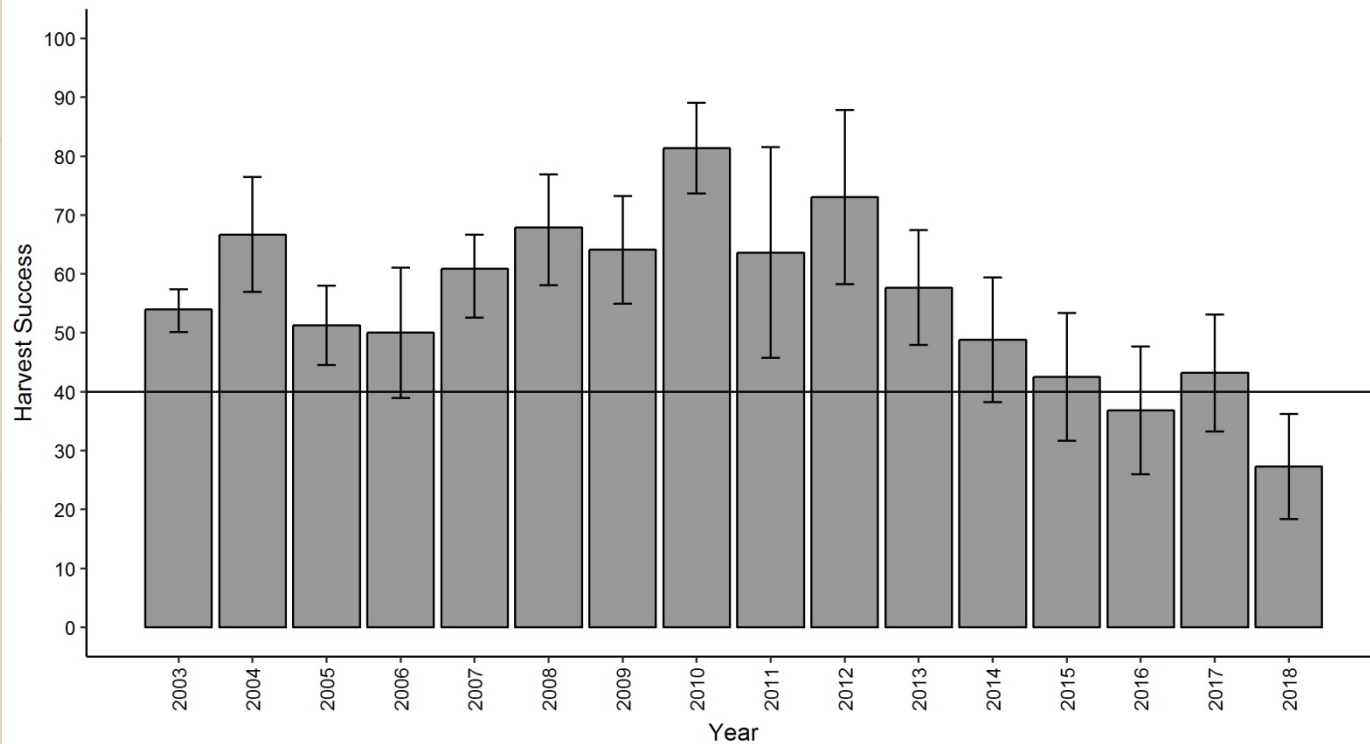
Spring Harvest Success for Jerauld County 2003-2018



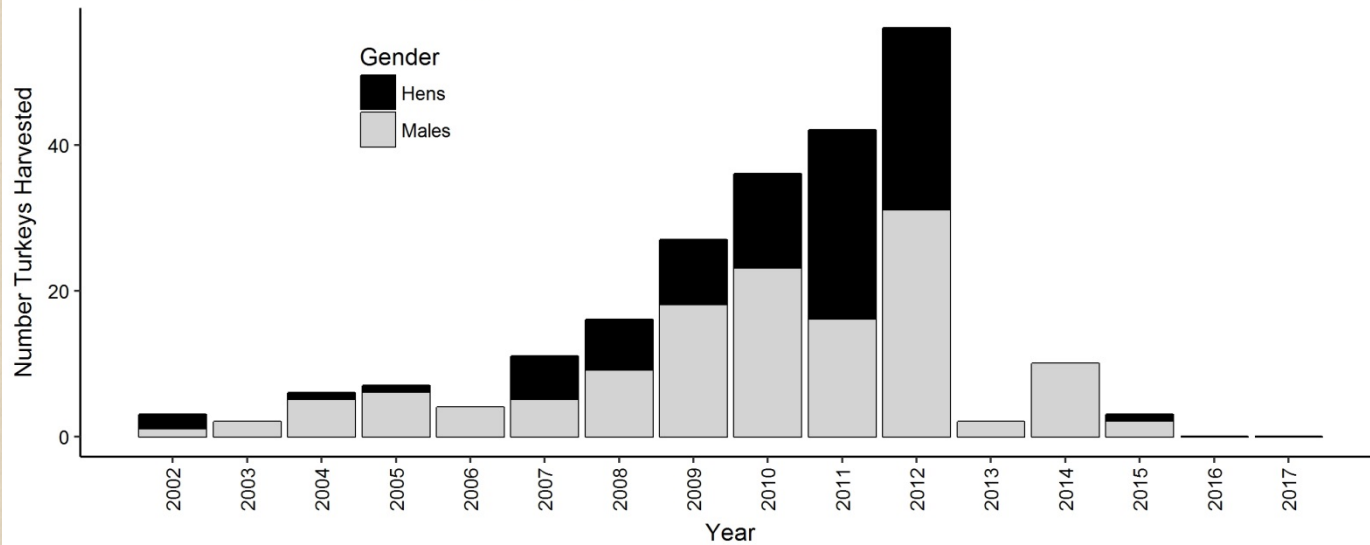
Fall Turkey Harvest for Jerauld County 2002-2017



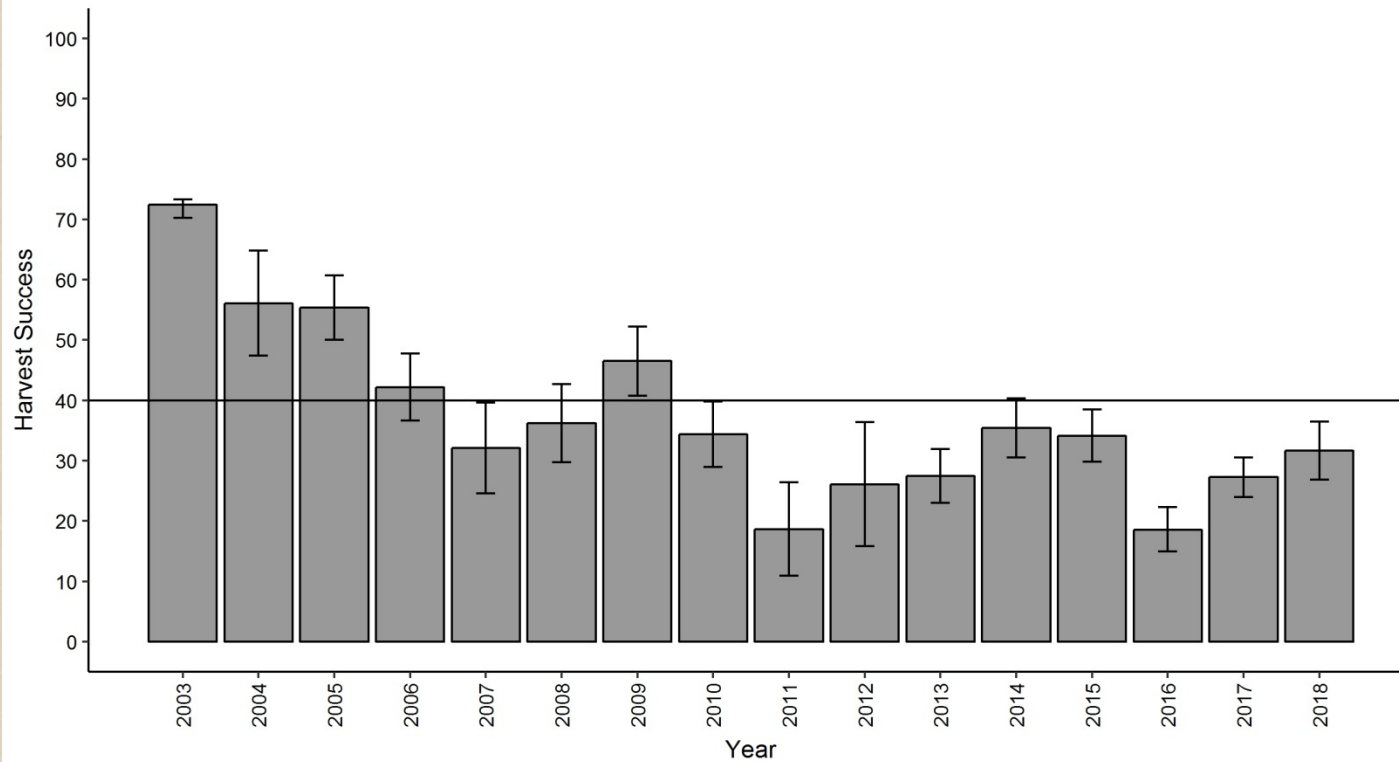
Spring Harvest Success for Jones County 2003-2018



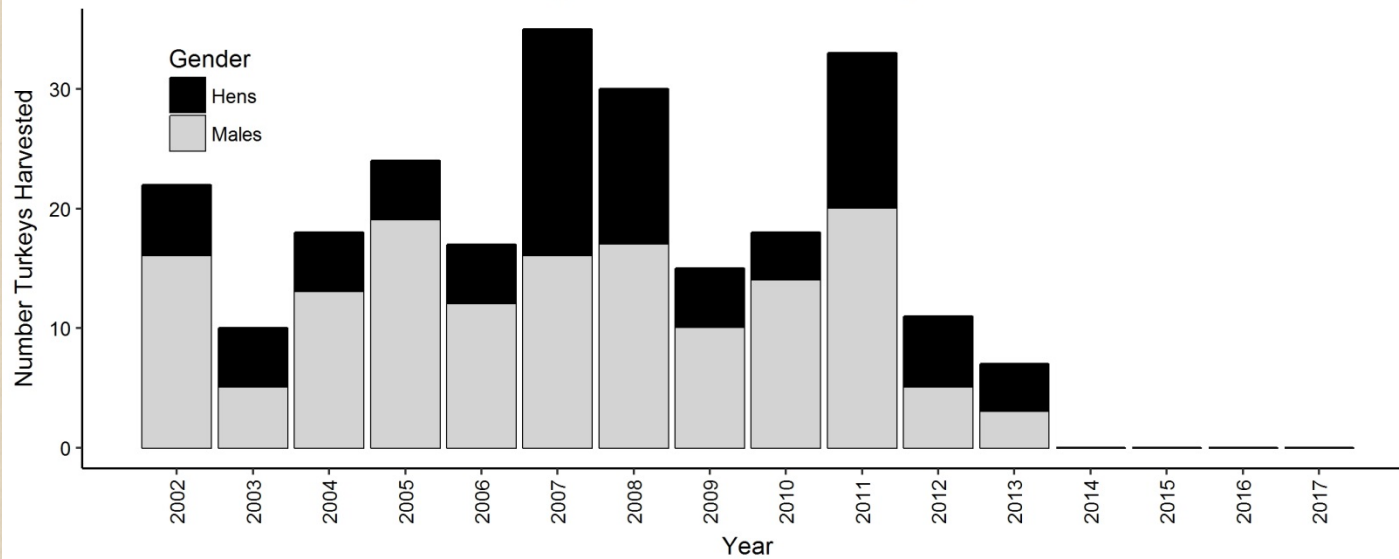
Fall Turkey Harvest for Jones County 2002-2017



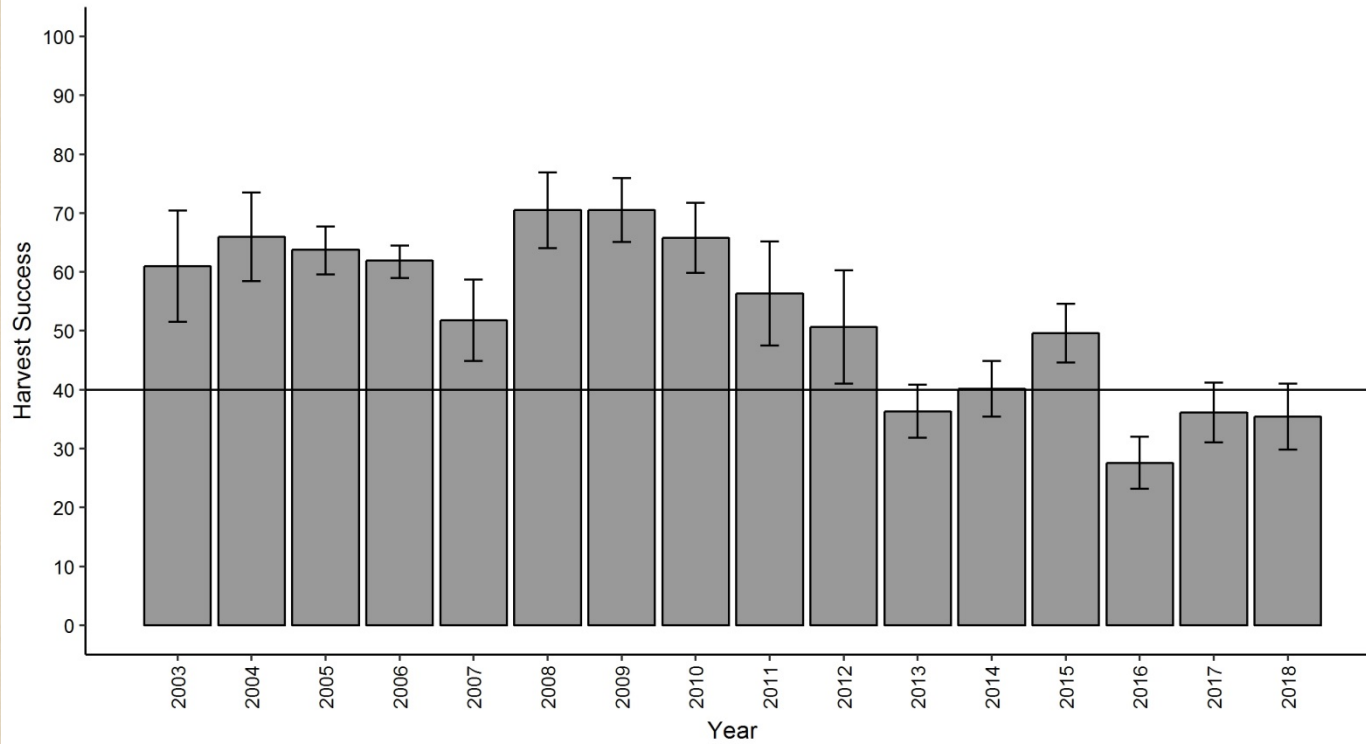
Spring Harvest Success for Lincoln County 2003-2018



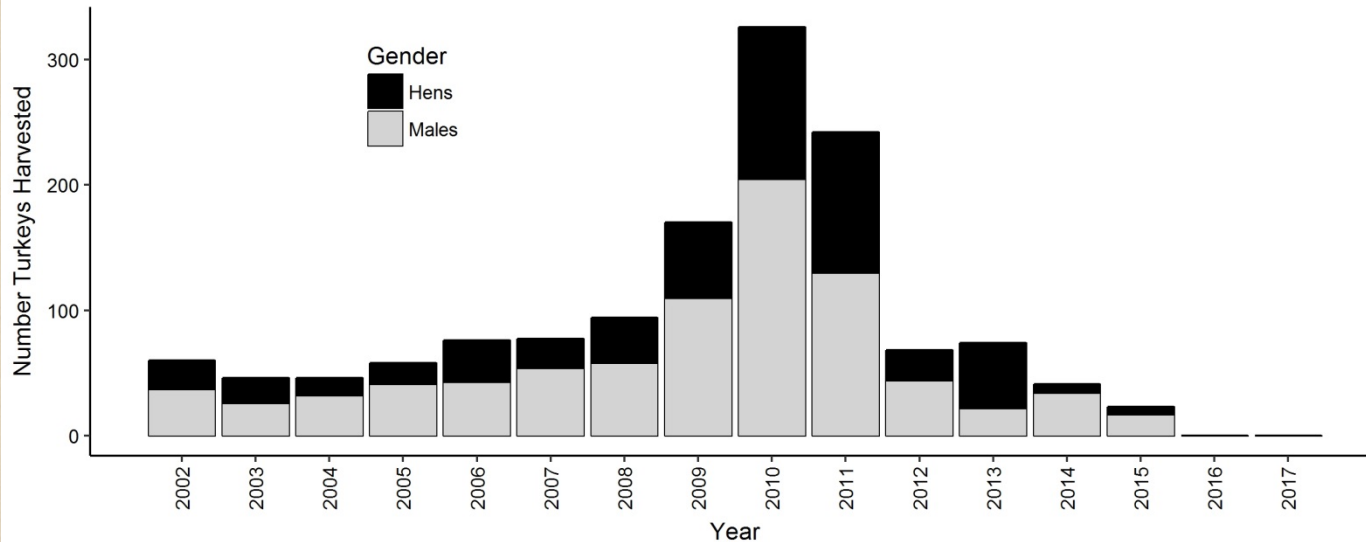
Fall Turkey Harvest for Lincoln County 2002-2017



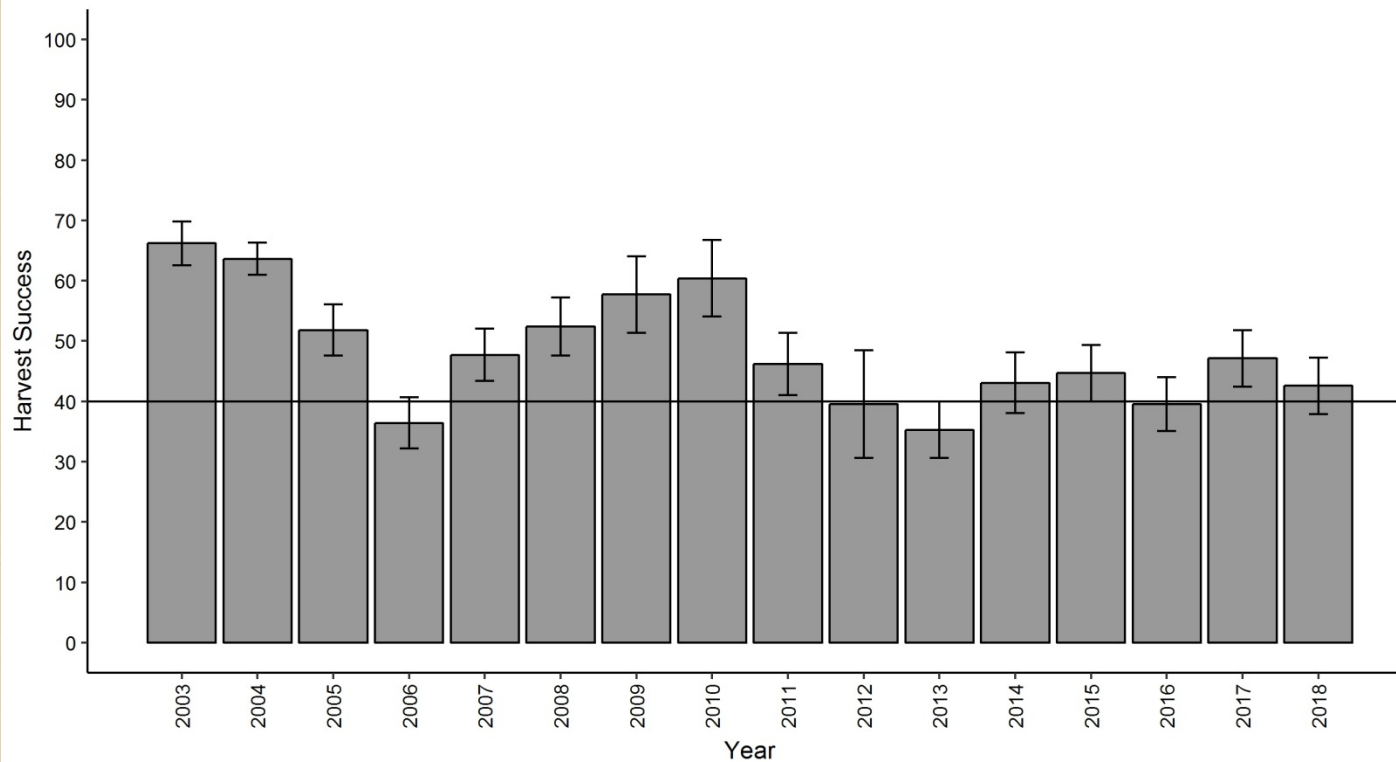
Spring Harvest Success for Lyman County 2003-2018



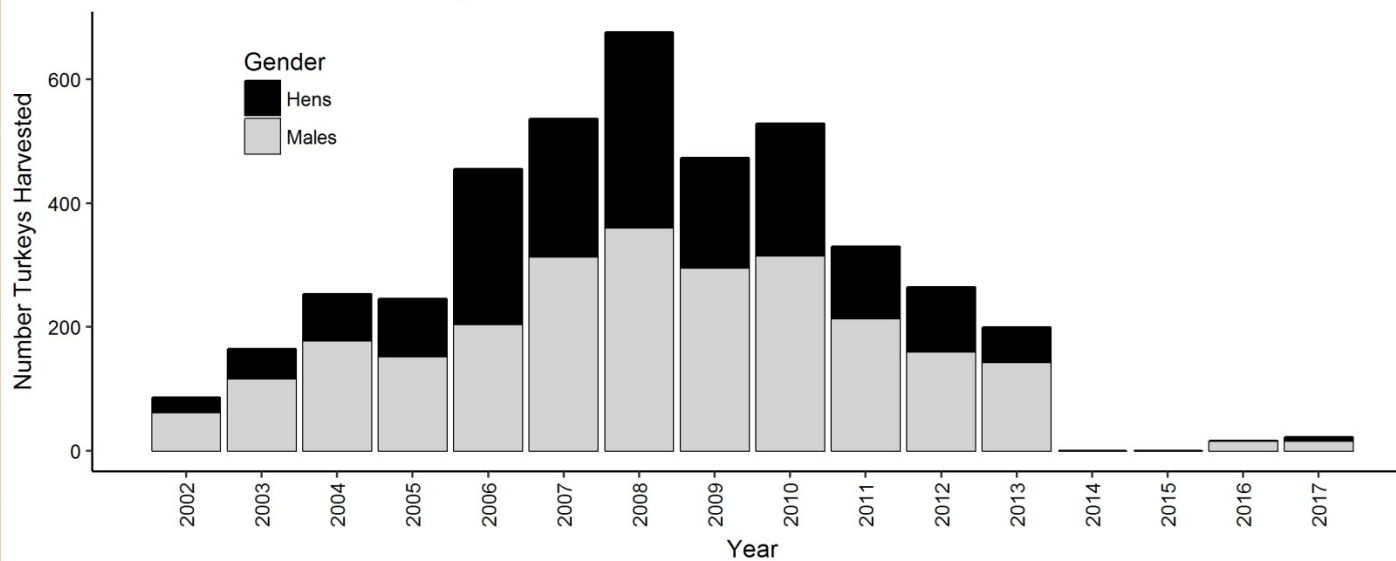
Fall Turkey Harvest for Lyman County 2002-2017



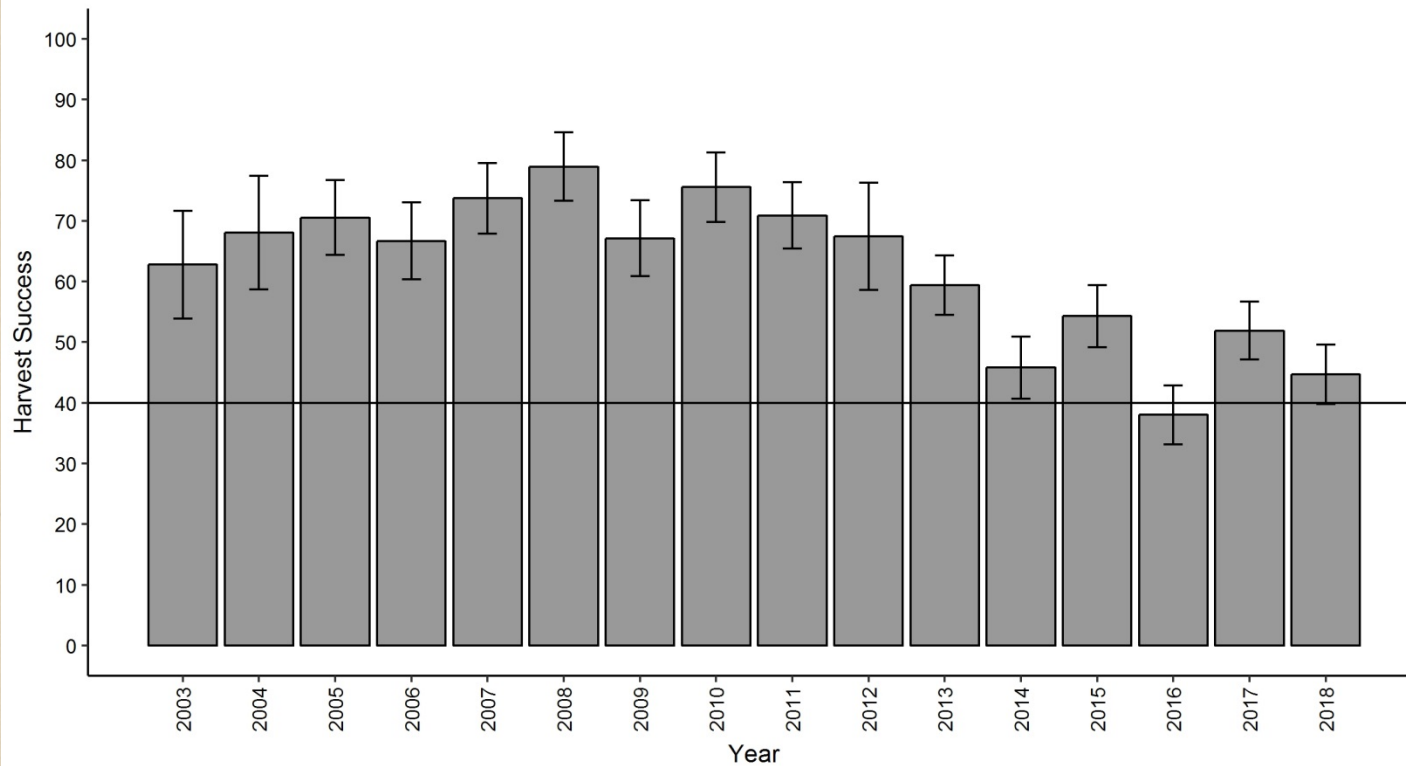
Spring Harvest Success for Marshall and Roberts Counties 2003-2018



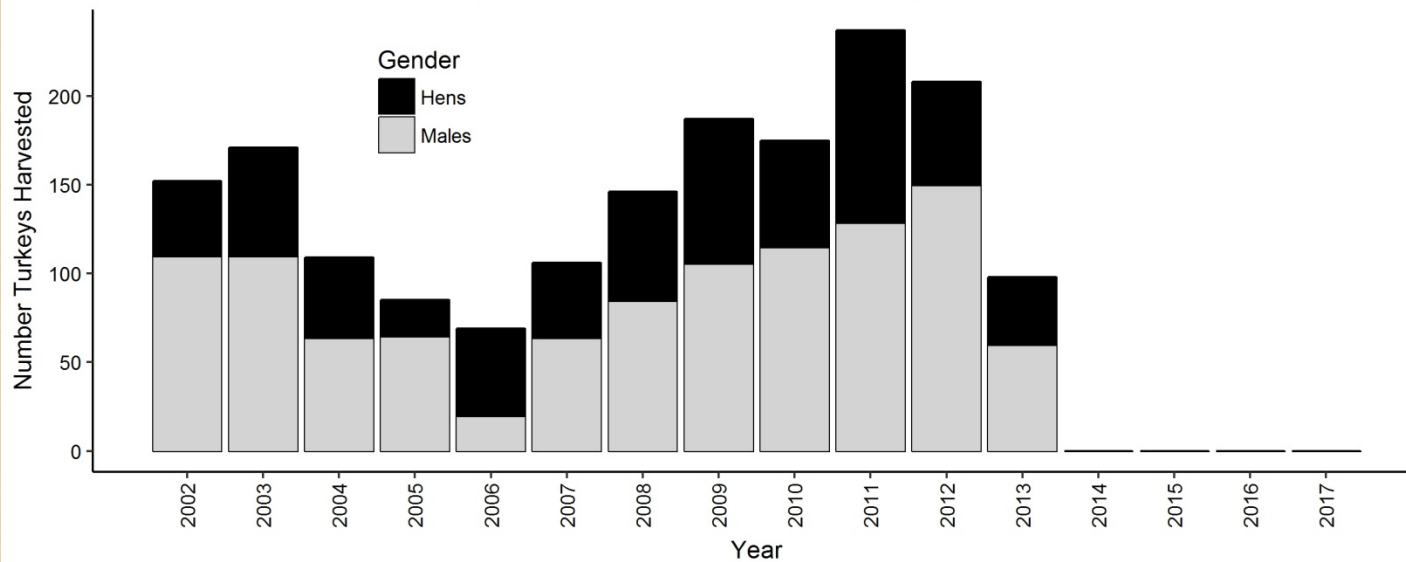
Fall Turkey Harvest for Marshall and Roberts Counties 2002-2017



Spring Harvest Success for Meade and Pennington Unit 2003-2018

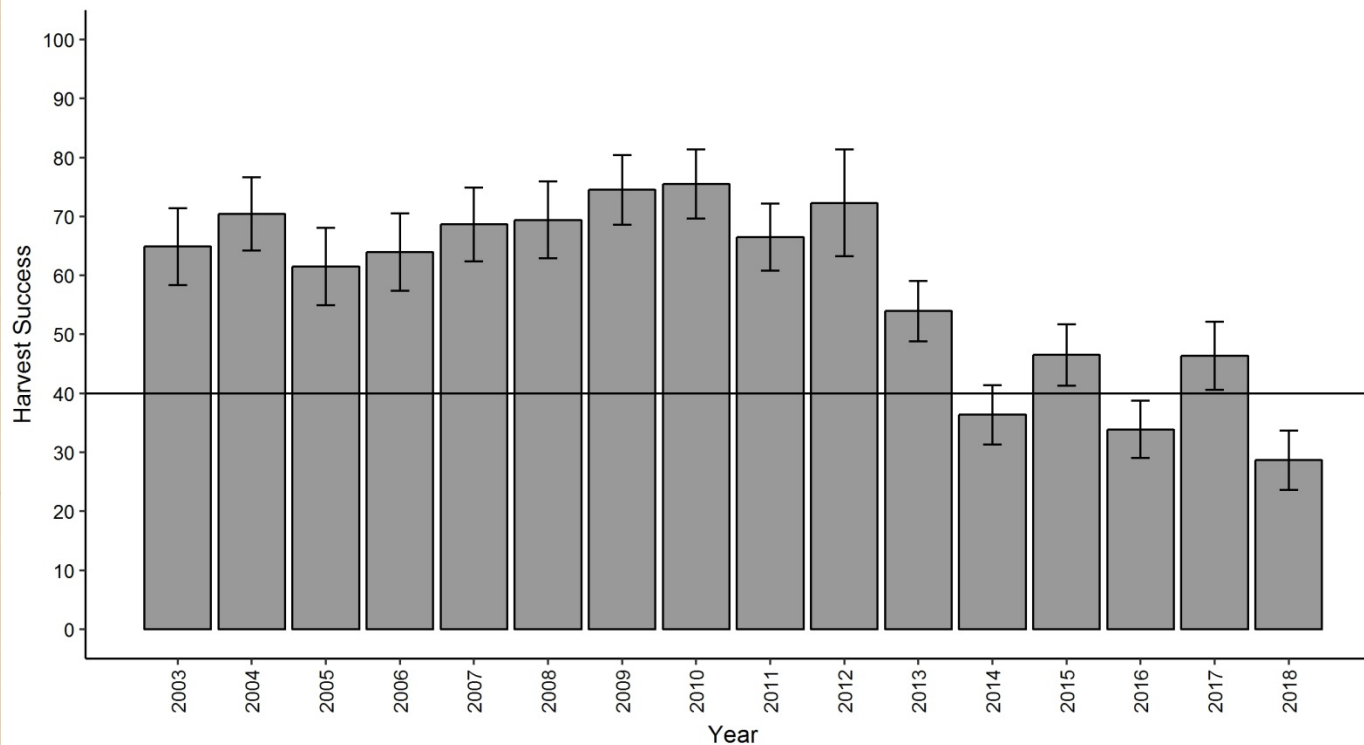


Fall Turkey Harvest for Meade and Pennington Unit 2002-2017

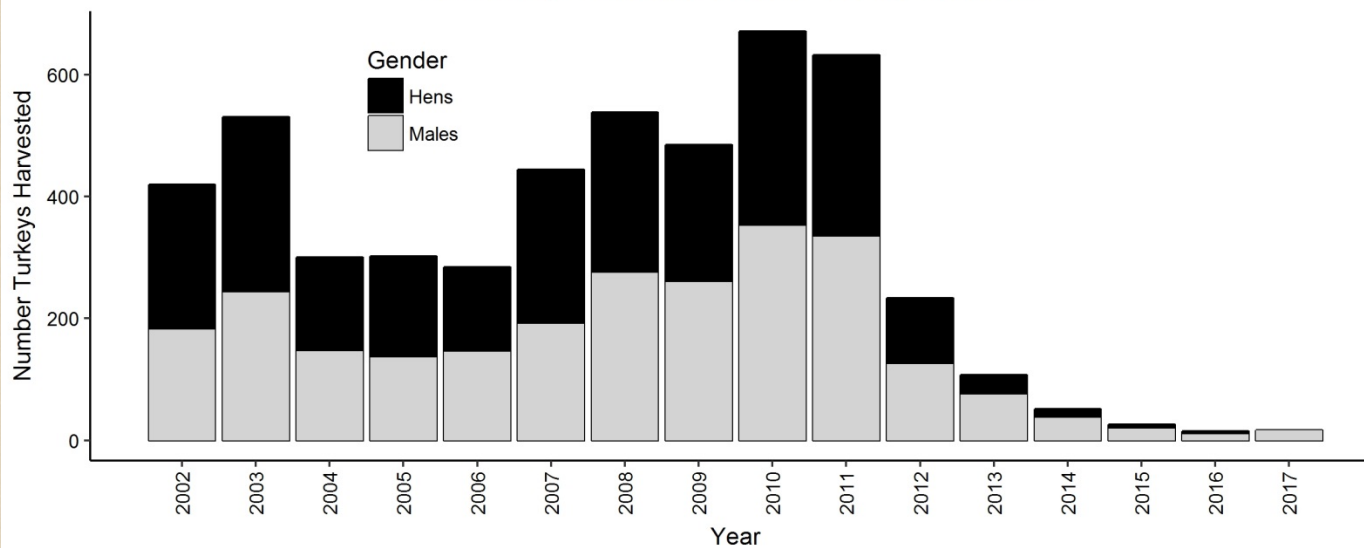




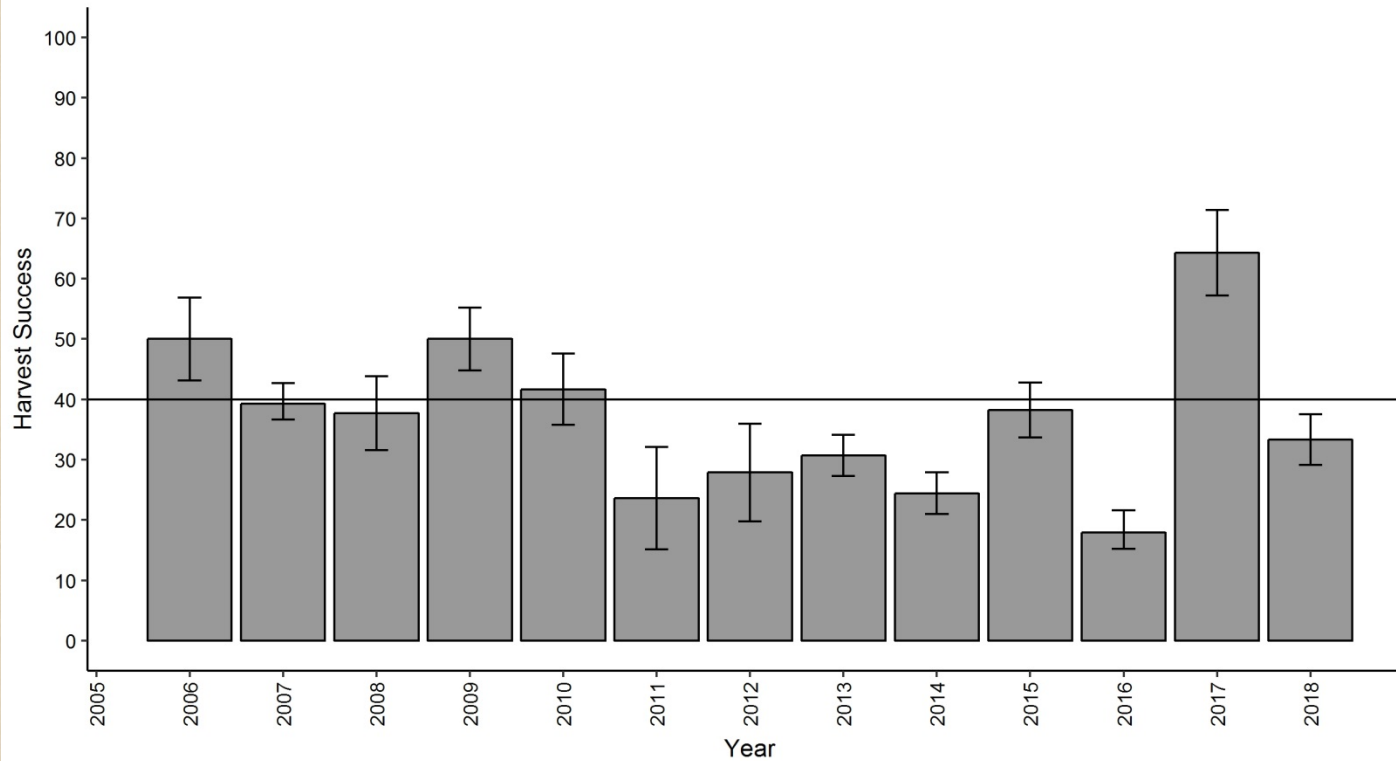
Spring Harvest Success for Mellette County 2003-2018



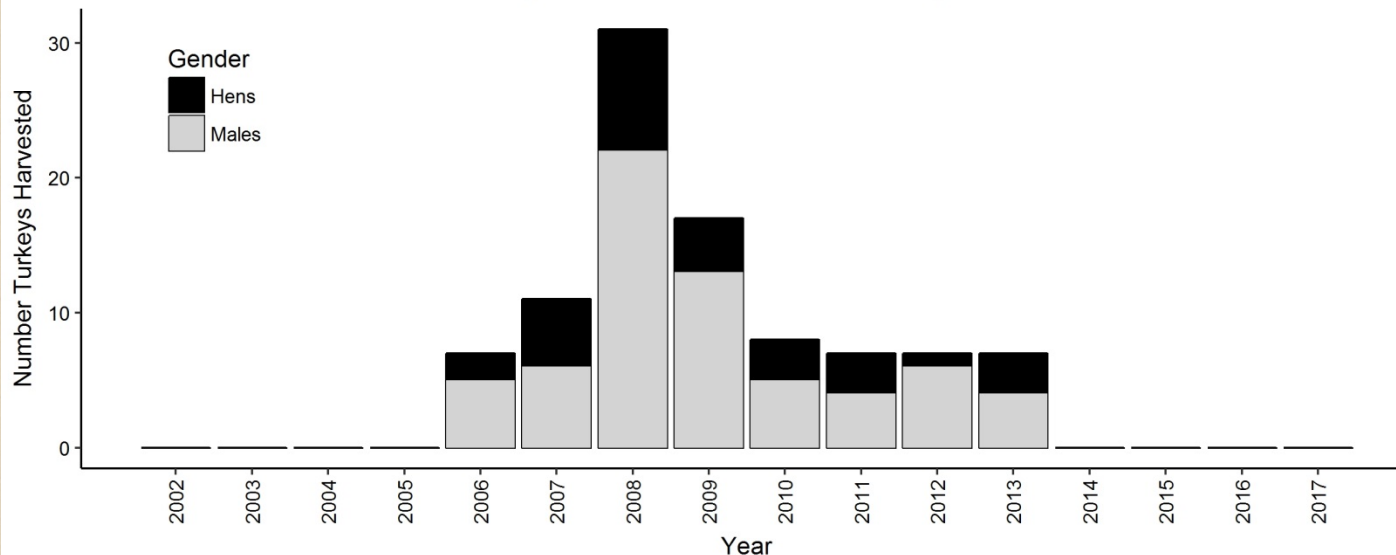
Fall Turkey Harvest for Mellette County 2002-2017



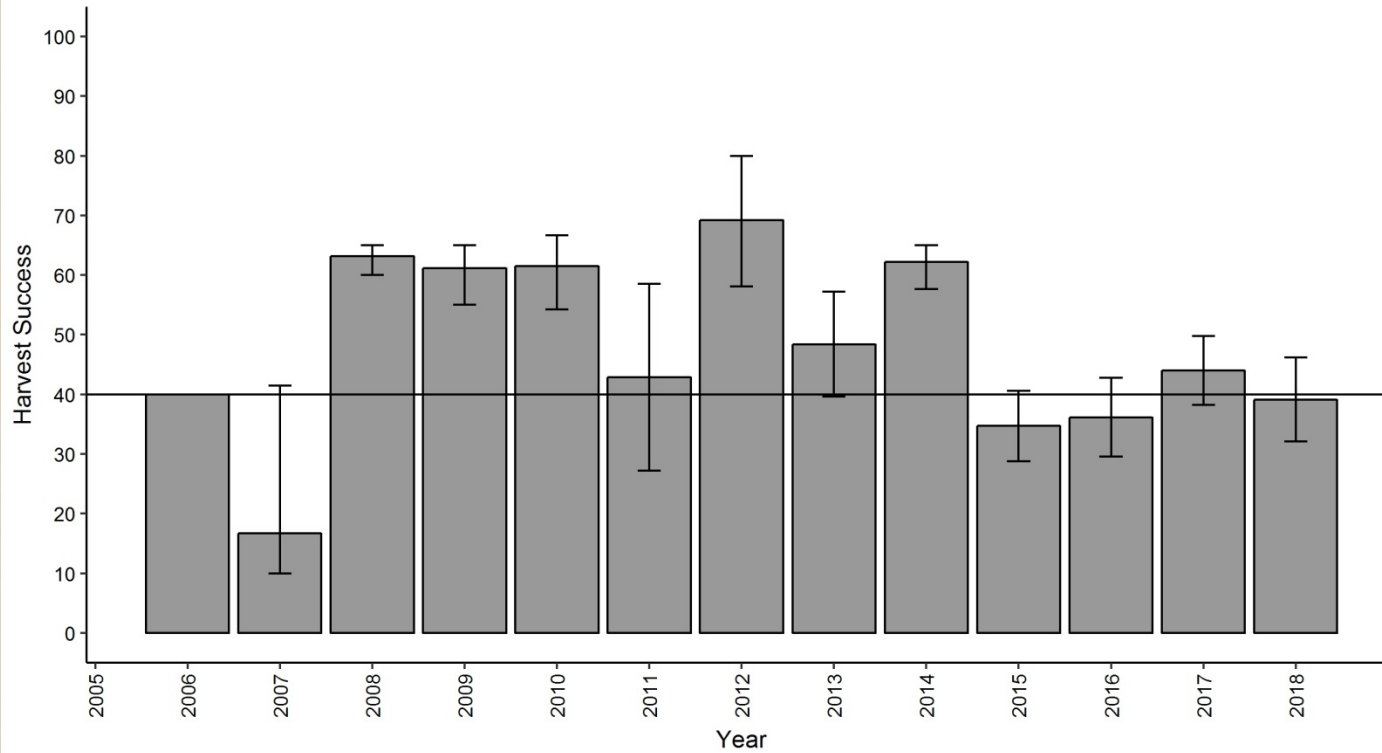
Spring Harvest Success for Minnehaha County 2003-2018



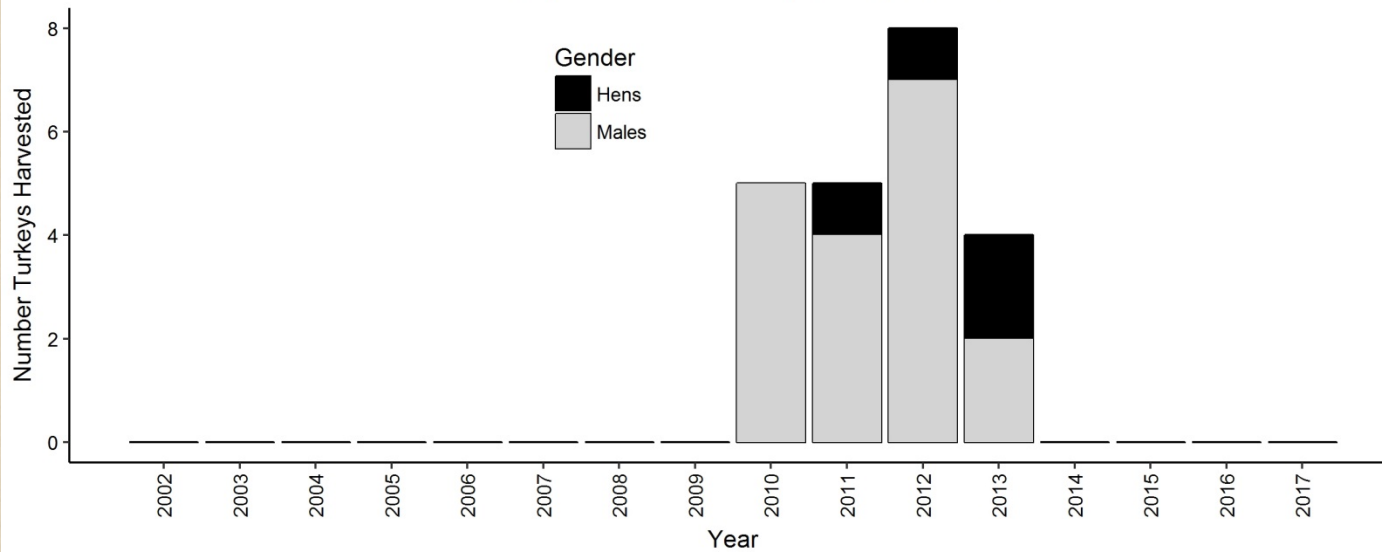
Fall Turkey Harvest for Minnehaha County 2002-2017



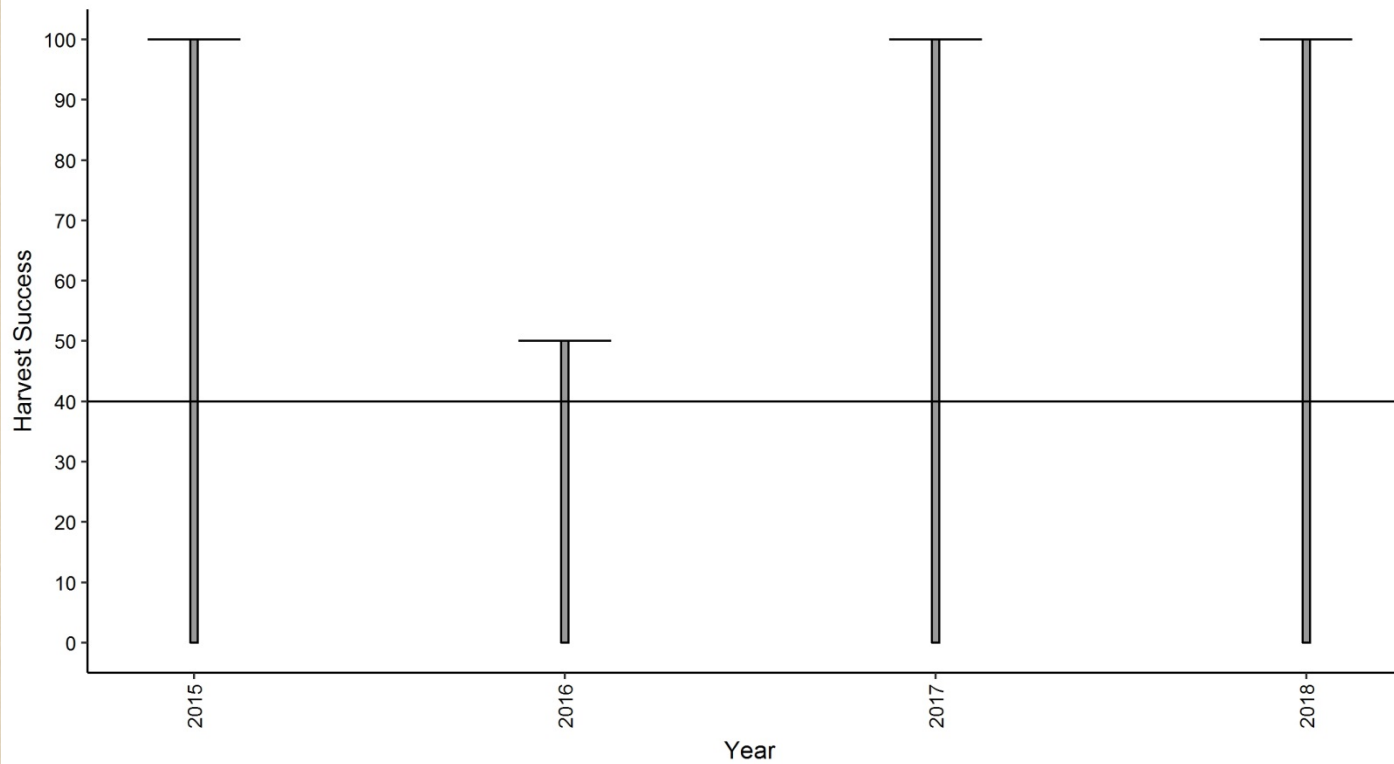
Spring Harvest Success for Moody County 2003-2018



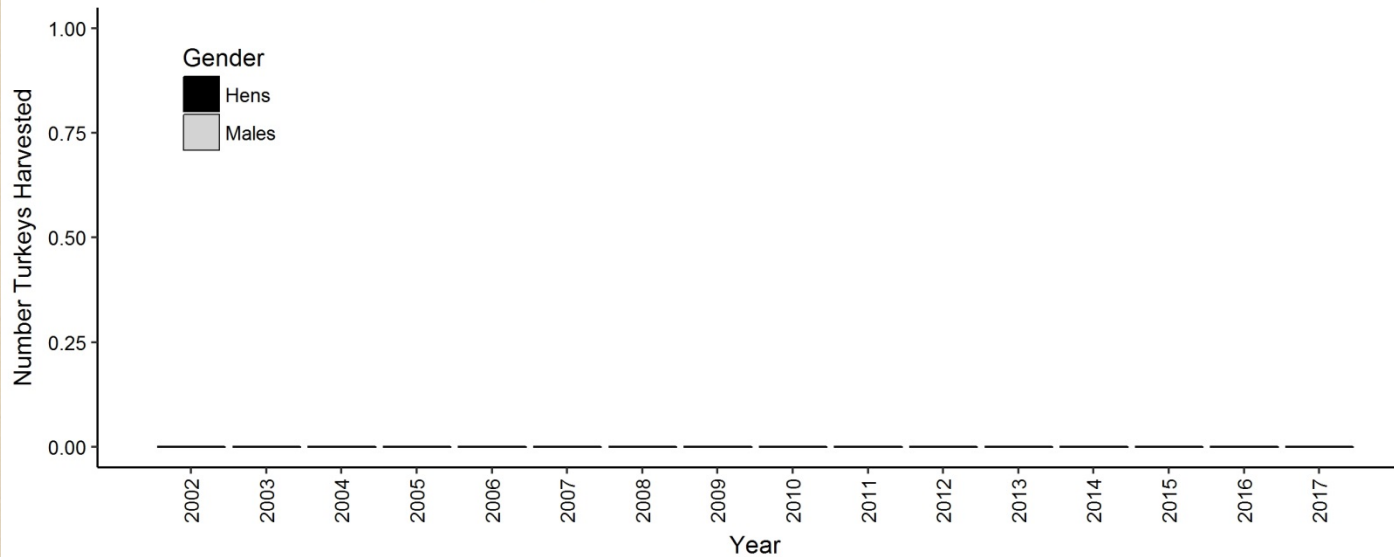
Fall Turkey Harvest for Moody County 2002-2017



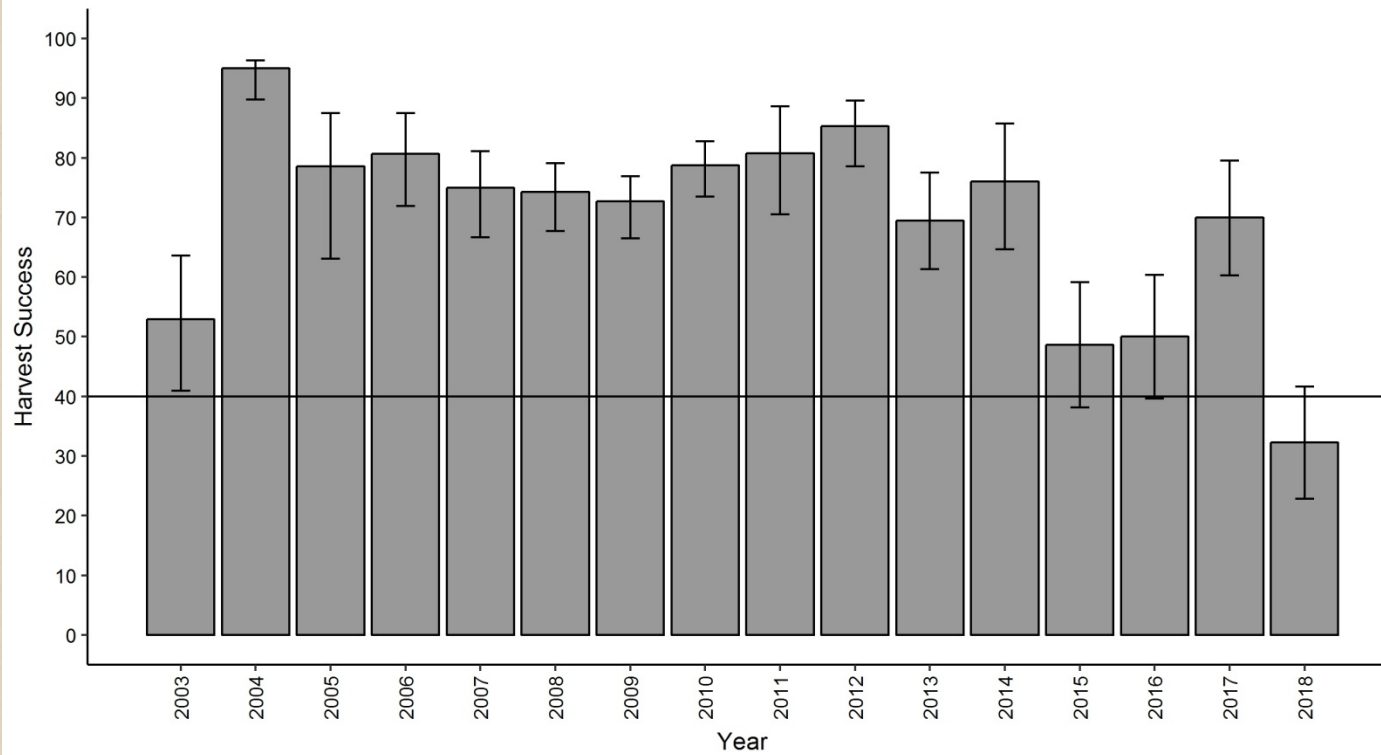
Spring Harvest Success for Oahe Downstream 2003-2018



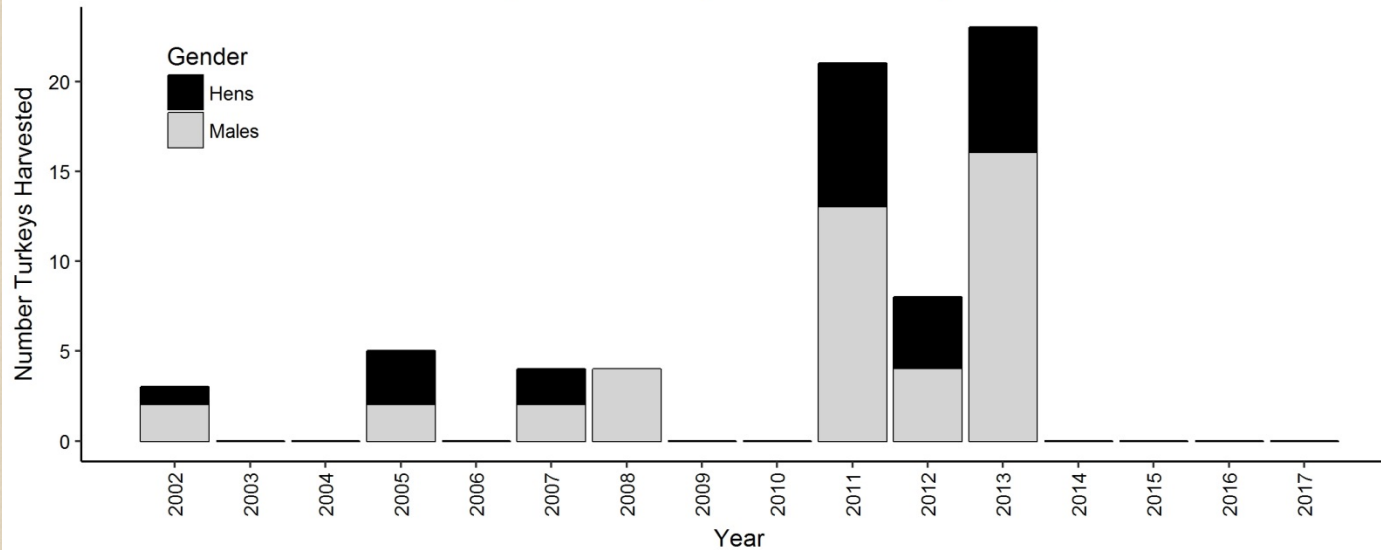
Fall Turkey Harvest for Oahe Downstream 2002-2017



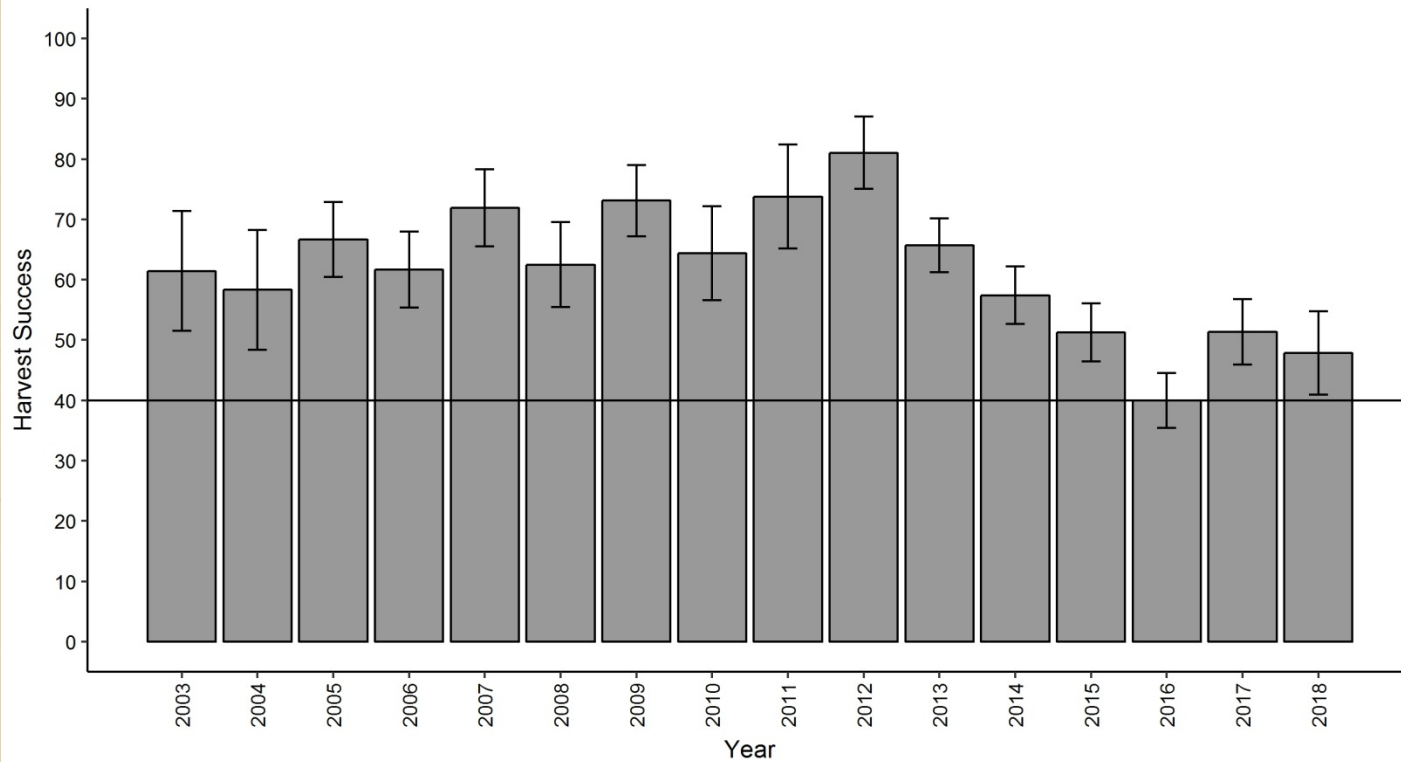
Spring Harvest Success for Oglala Lakota County 2003-2018



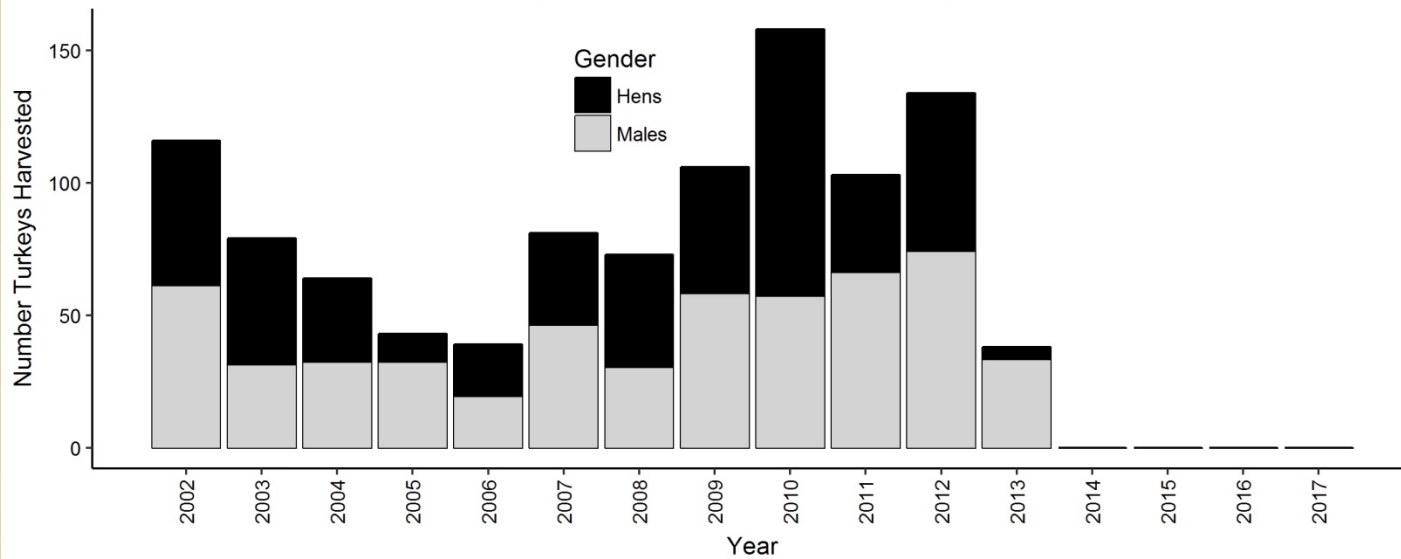
Fall Turkey Harvest for Oglala Lakota County 2002-2017



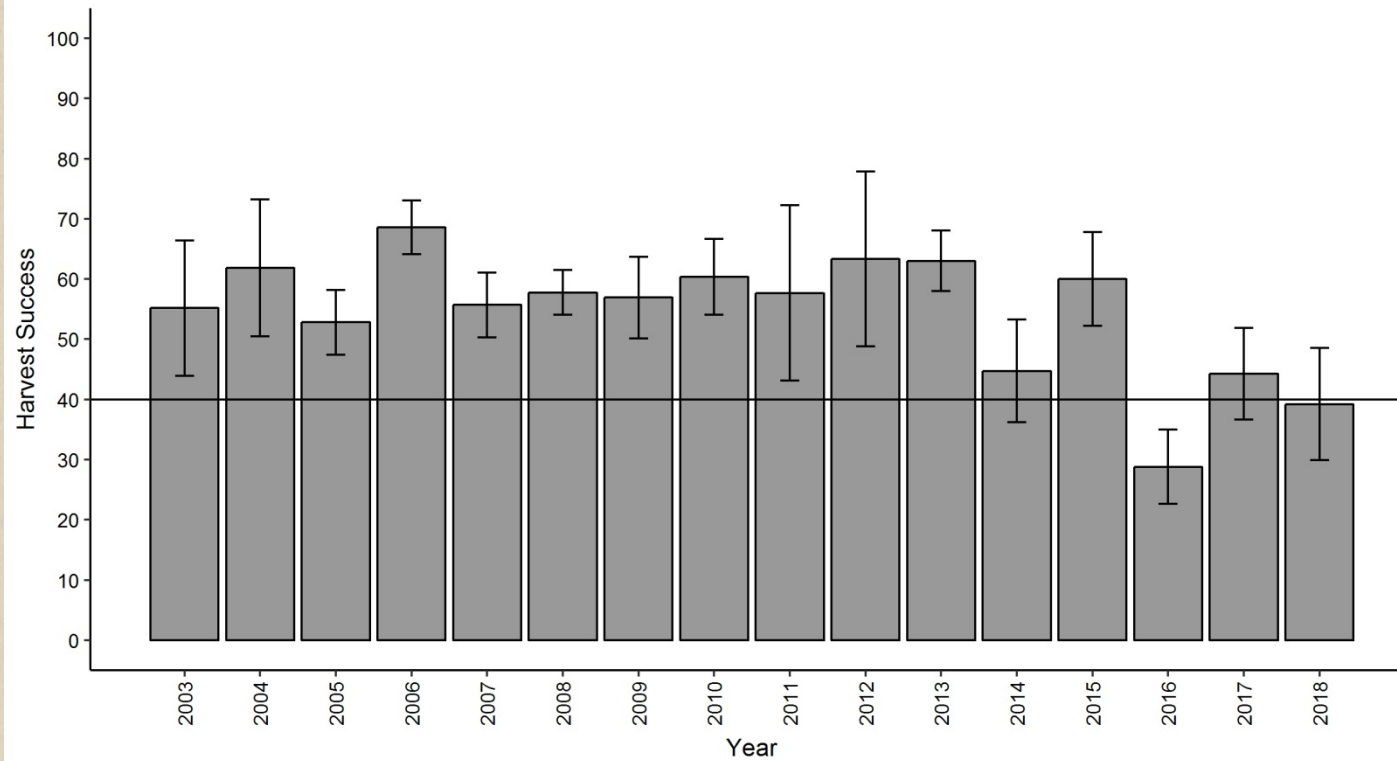
Spring Harvest Success for Pennington County 2003-2018



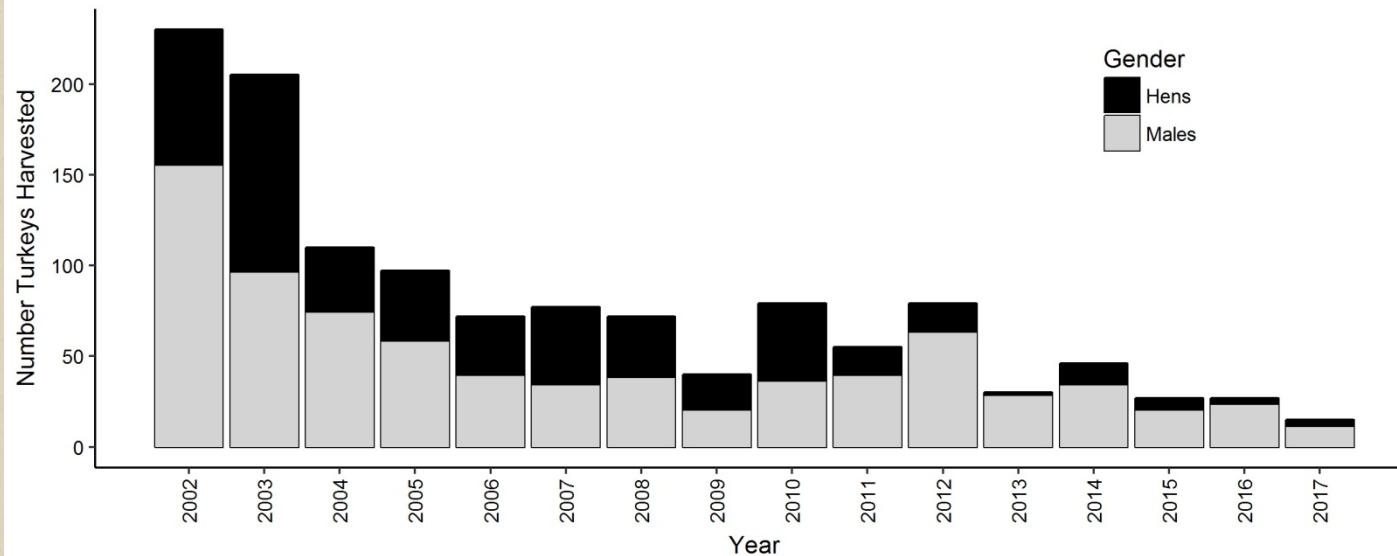
Fall Turkey Harvest for Pennington County 2002-2017



Spring Harvest Success for Perkins County 2003-2018

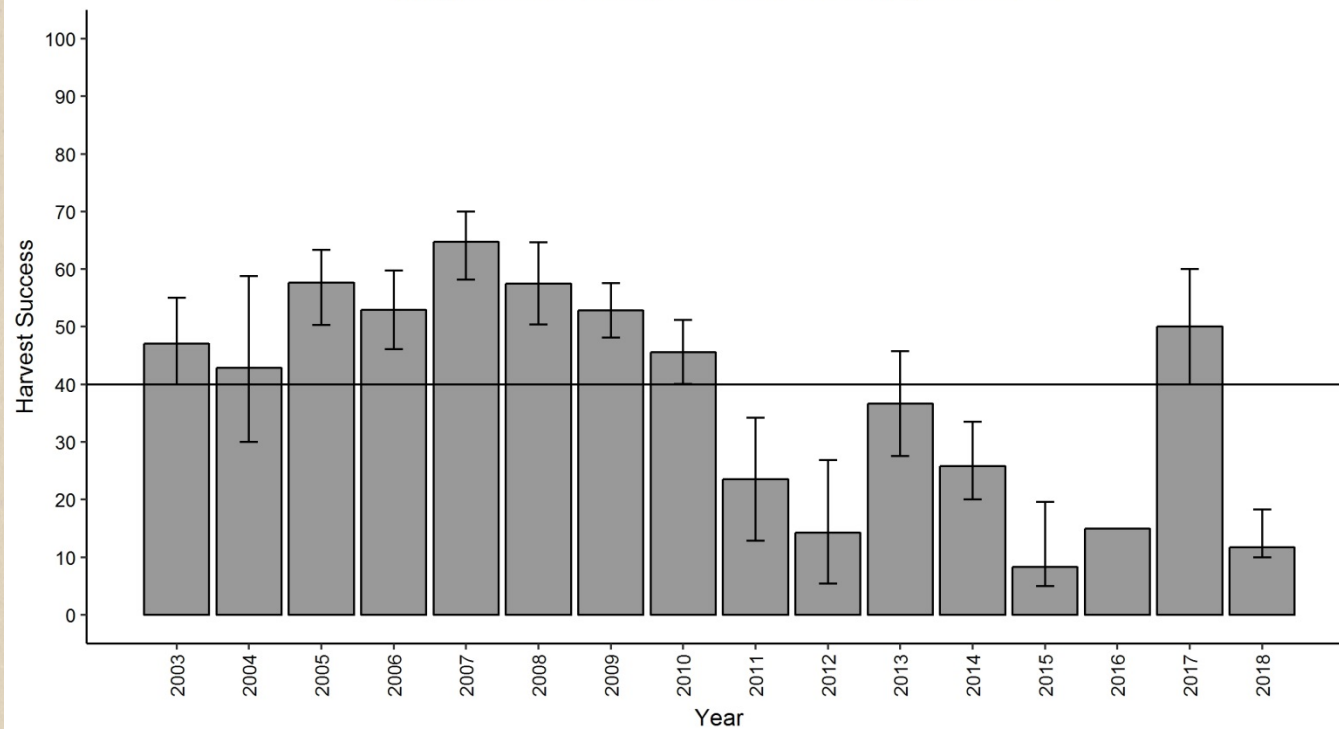


Fall Turkey Harvest for Perkins County 2002-2017

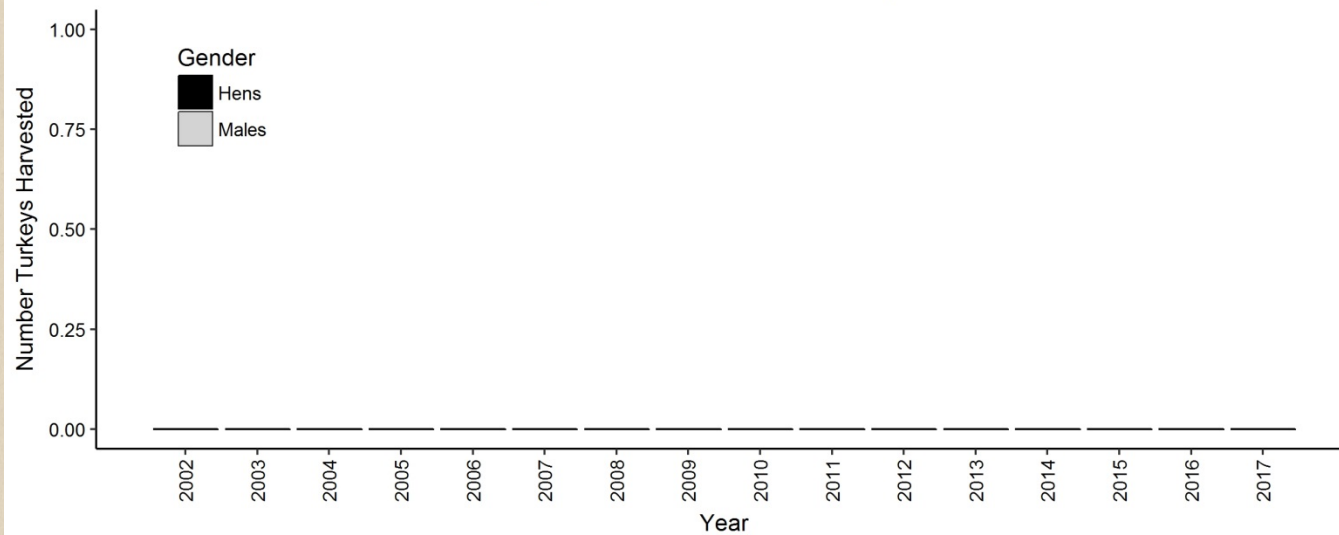




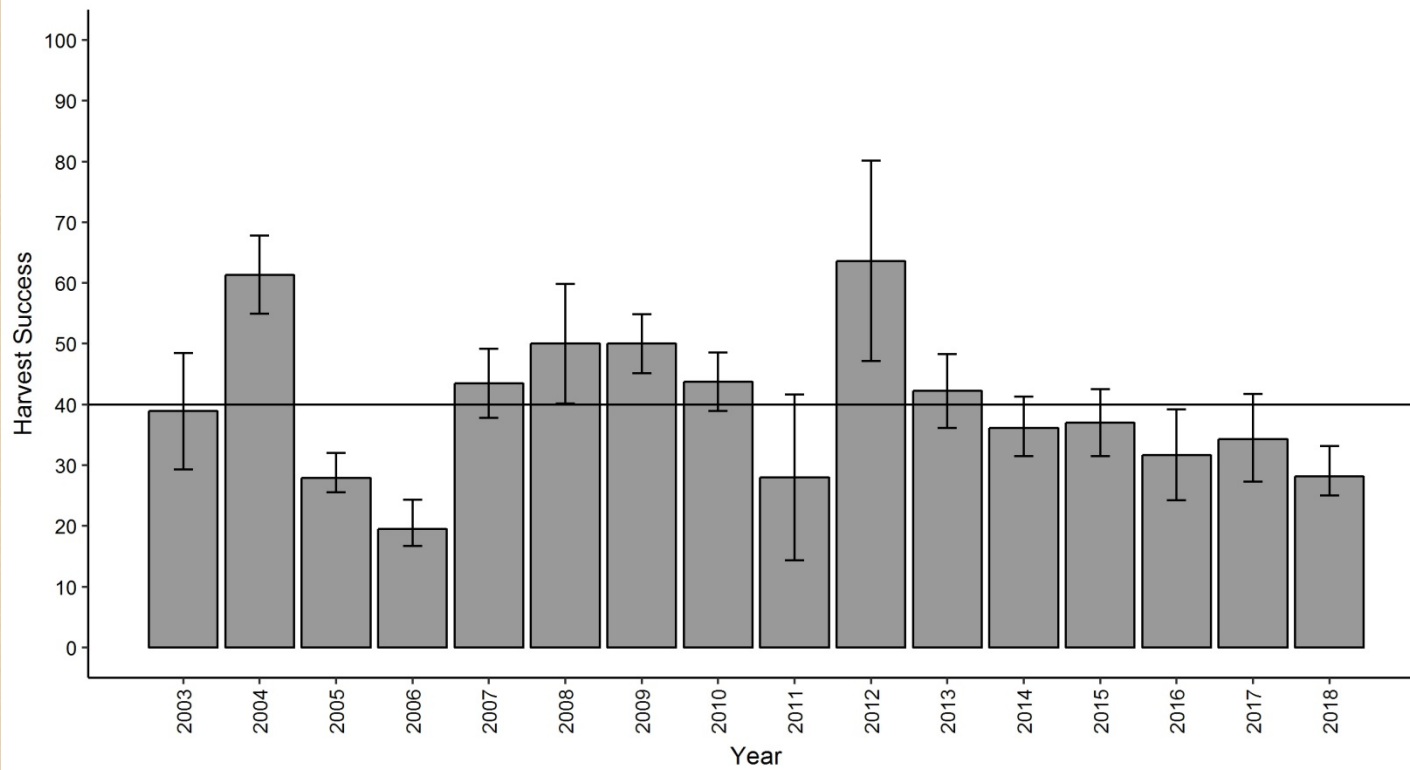
Spring Harvest Success for Sanborn County 2003-2018



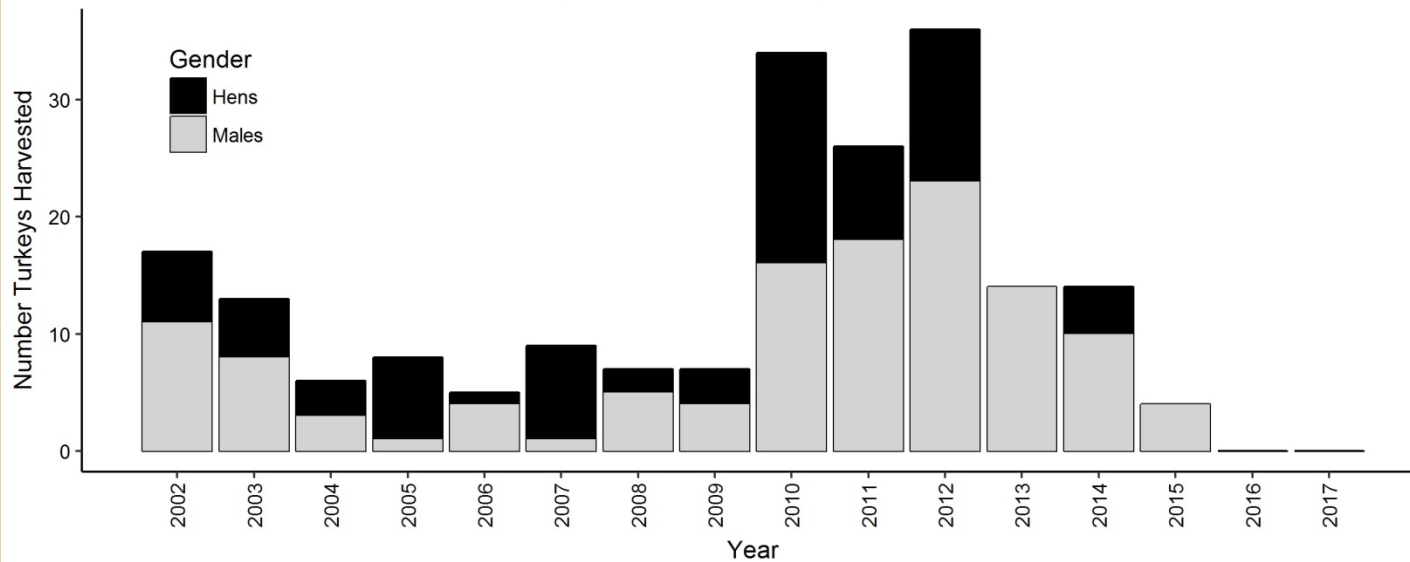
Fall Turkey Harvest for Sanborn County 2002-2017



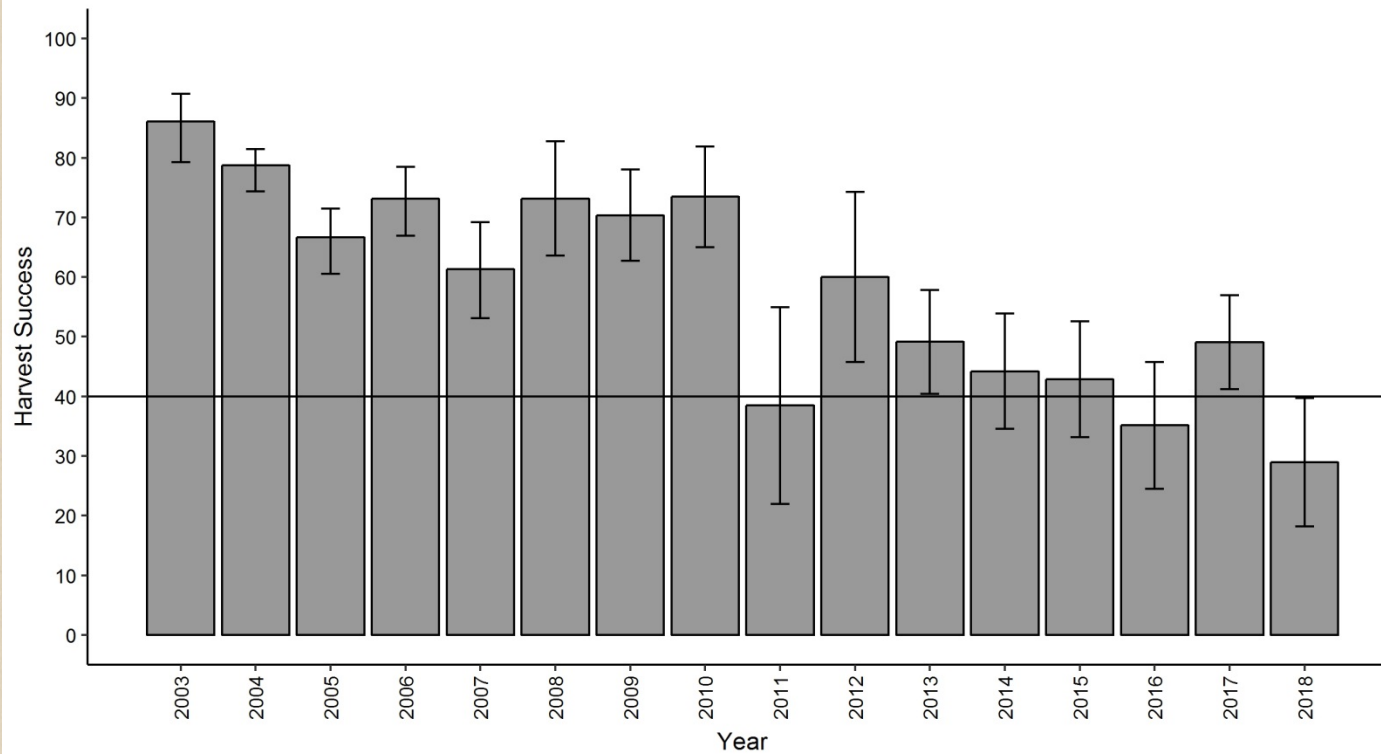
Spring Harvest Success for Stanley County 2003-2018



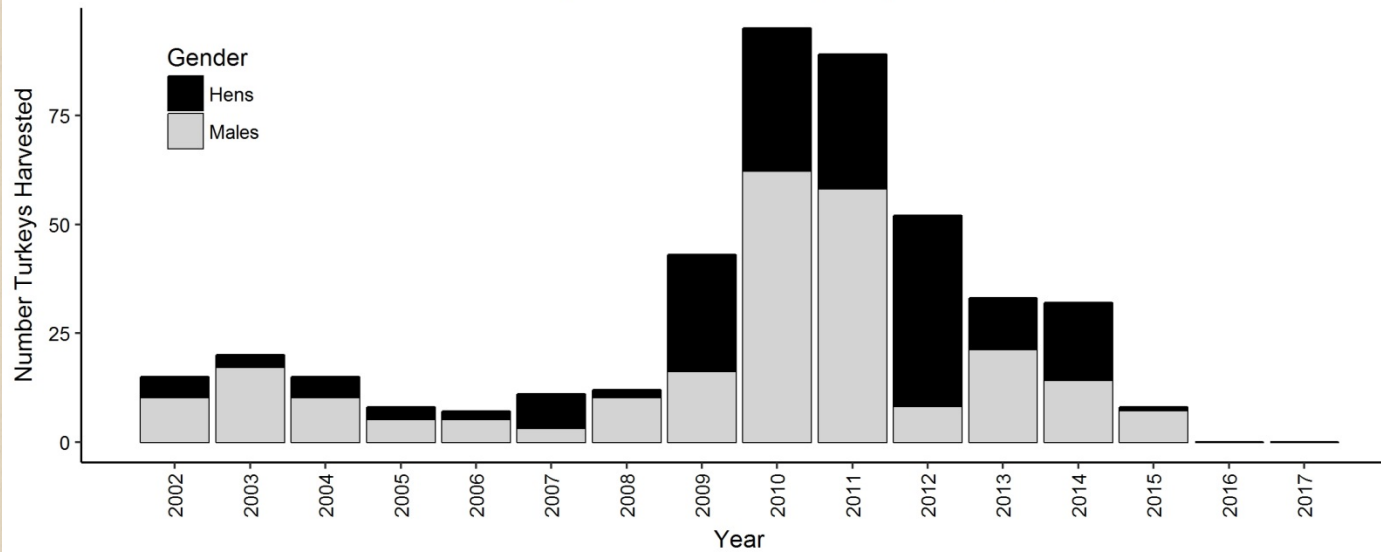
Fall Turkey Harvest for Stanley County 2002-2017



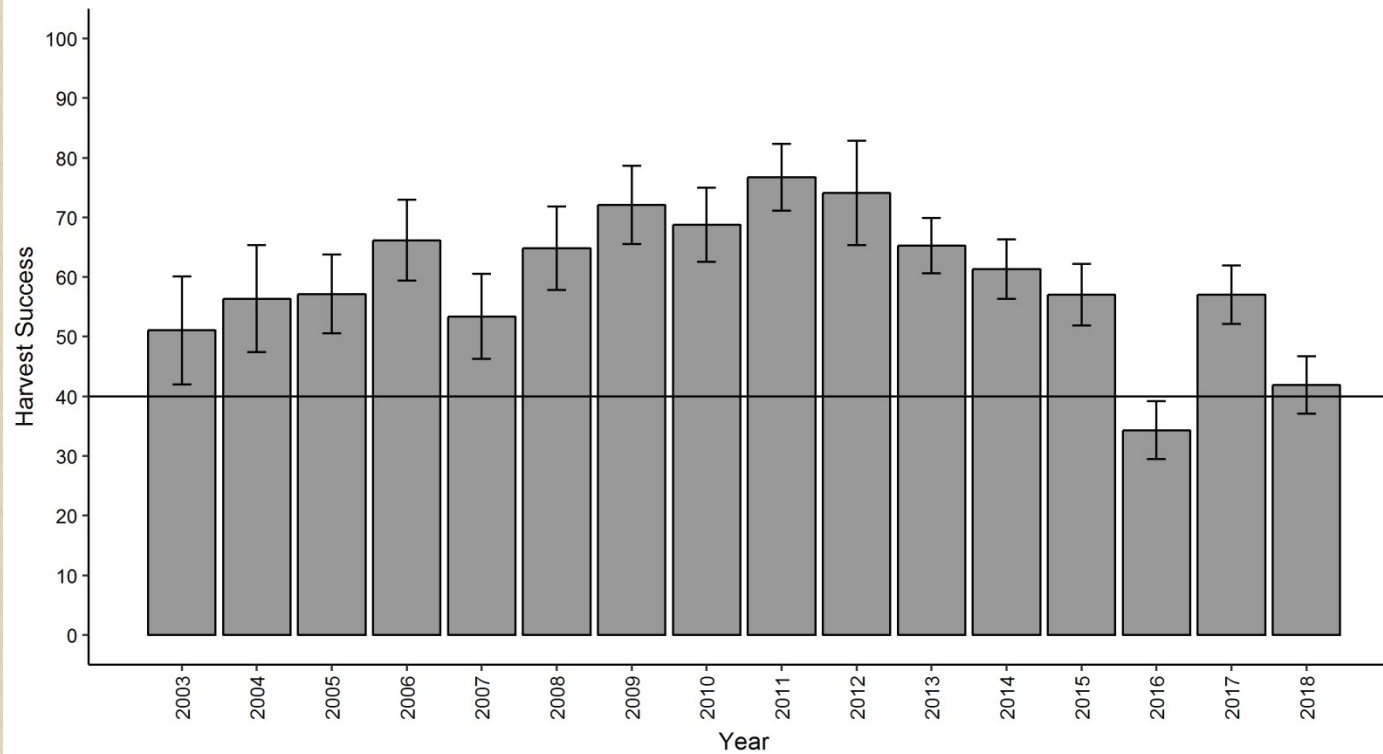
Spring Harvest Success for Todd County 2003-2018



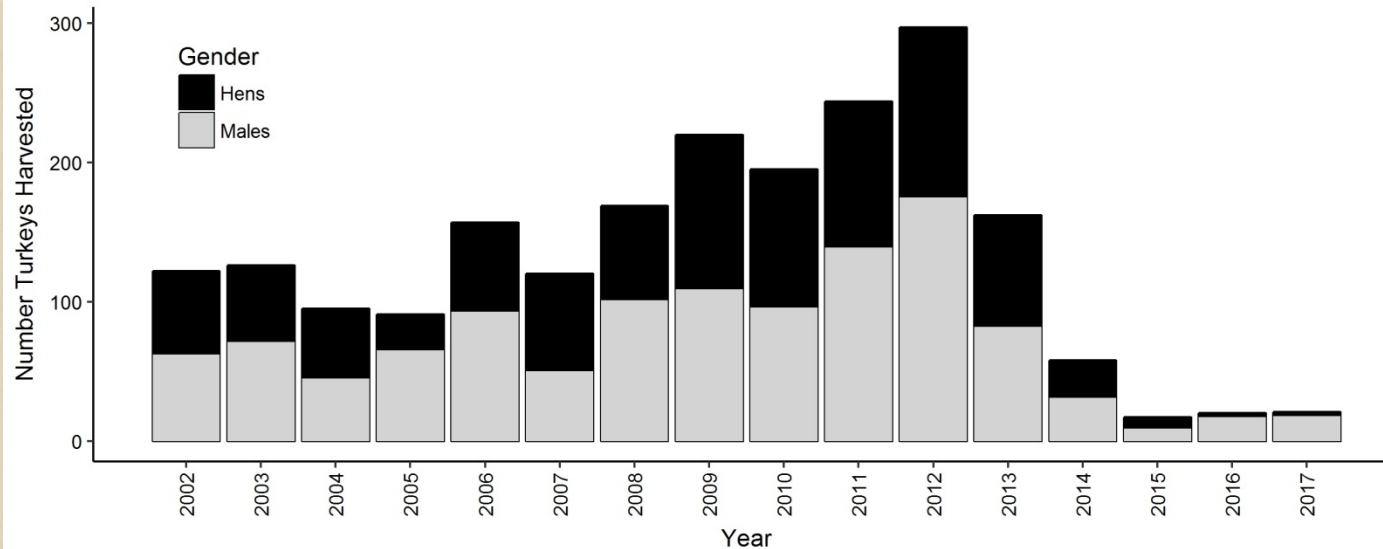
Fall Turkey Harvest for Todd County 2002-2017



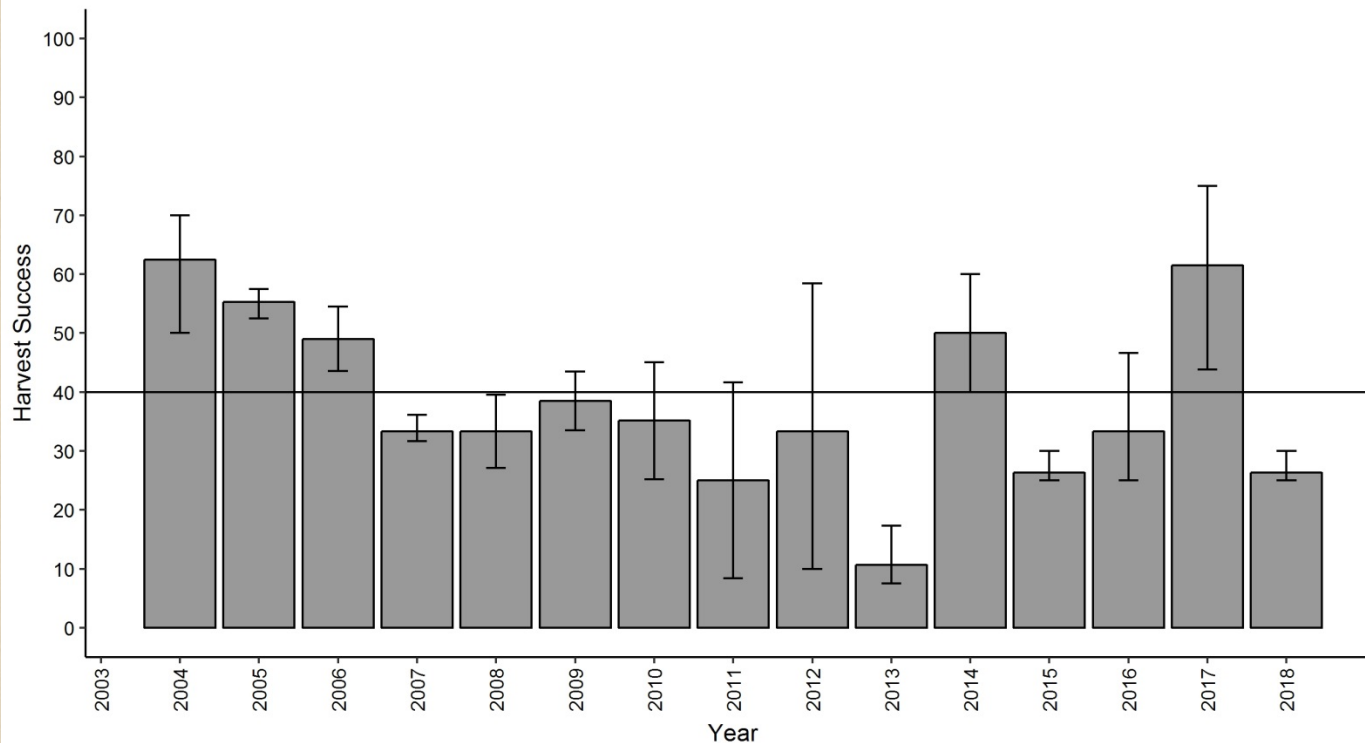
Spring Harvest Success for Tripp County 2003-2018



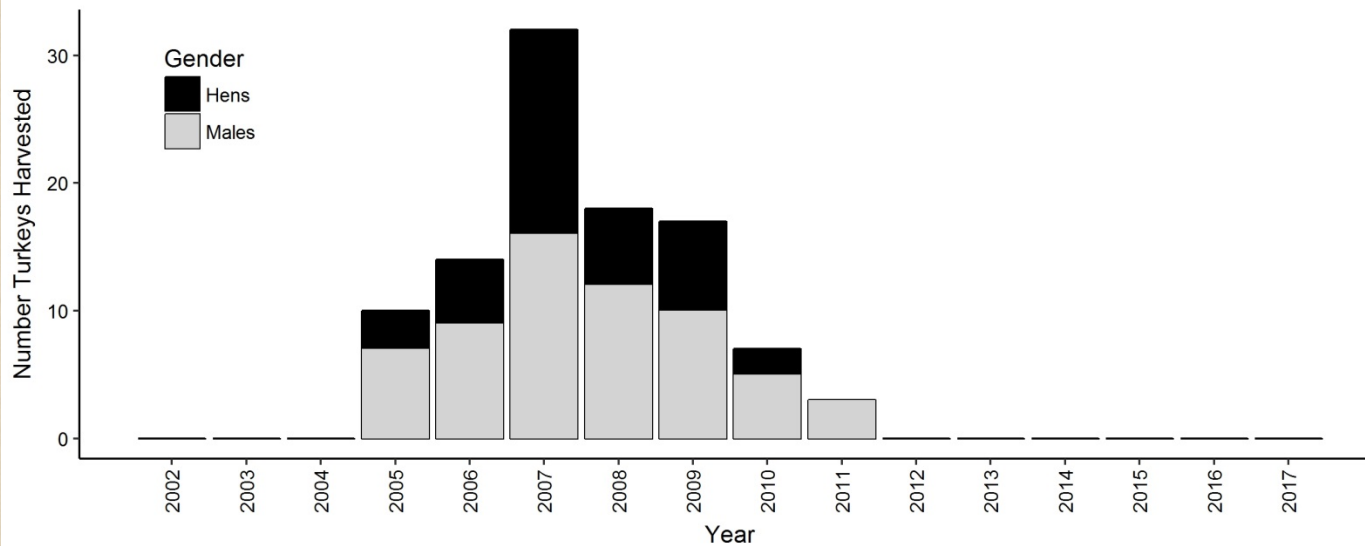
Fall Turkey Harvest for Tripp County 2002-2017



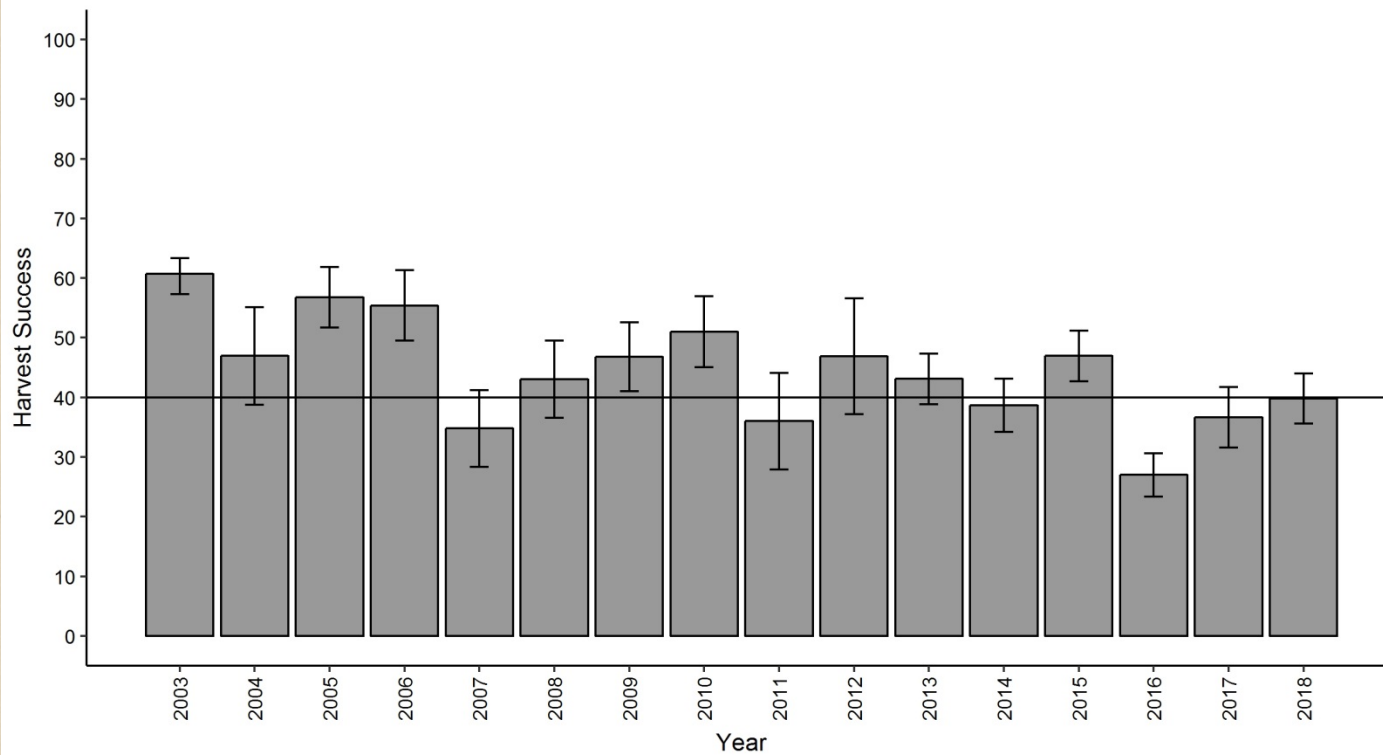
Spring Harvest Success for Turner County 2003-2018



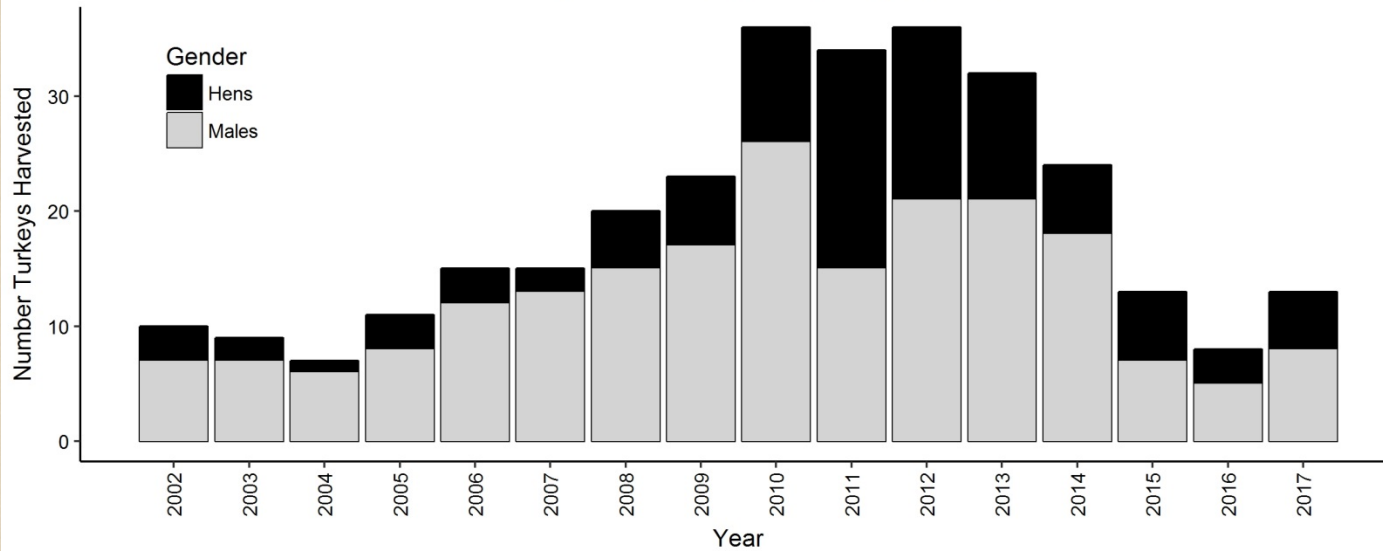
Fall Turkey Harvest for Turner County 2002-2017



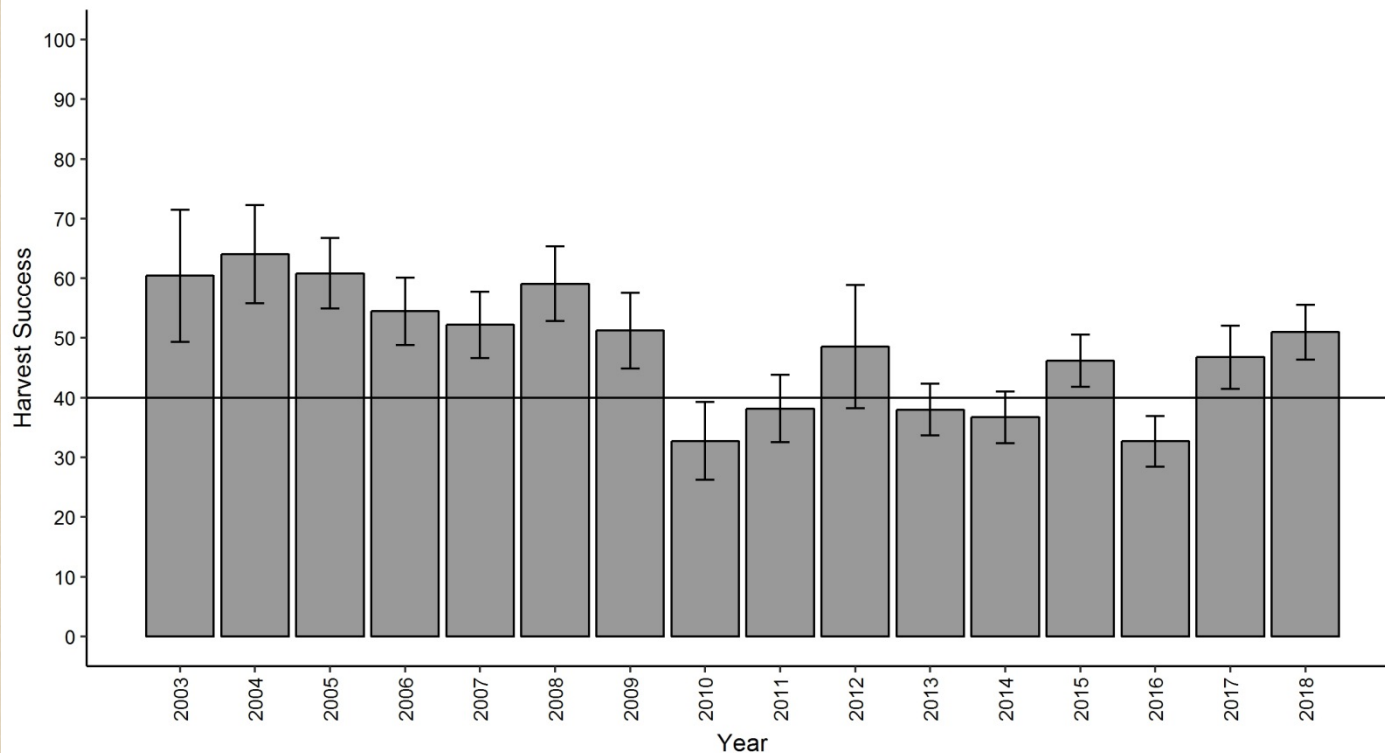
Spring Harvest Success for Union County 2003-2018



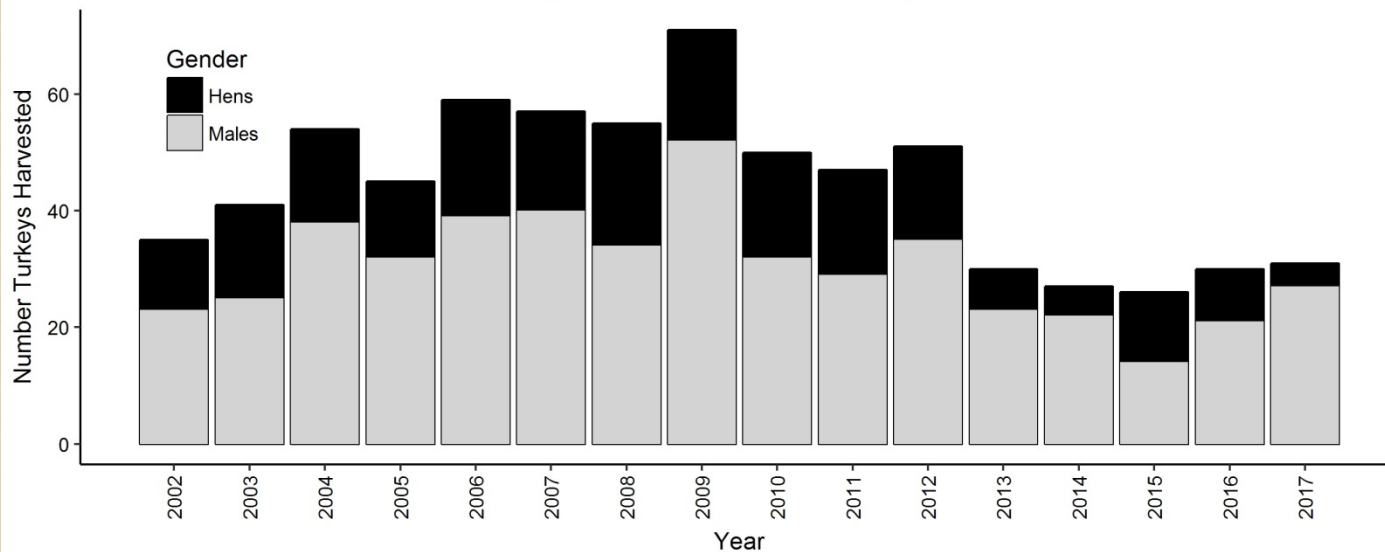
Fall Turkey Harvest for Union County 2002-2017



Spring Harvest Success for Yankton County 2003-2018



Fall Turkey Harvest for Yankton County 2002-2017





Wild Turkey Management Summary

- During the Wild Turkey Management Plan Update we plan to present information on current unit objectives, strategies, and plan implementation. Current harvest success rates will be presented and are used in future harvest strategies. Harvest data going back to 2002 are available for each unit in a bar graph format.