

Sage Grouse Harvest Report 2005

A post-season harvest survey was conducted by phone.

A stratified random sample of 2500 sage grouse hunters was drawn from among HIP participants. 1579 hunters were surveyed (63% response rate).

Of those surveyed, 153 or 9.7% reported they had hunted sage grouse. The number of birds harvested ranged from 0 (83 respondents) to 8 (2 respondents). The most frequent number of birds reported harvested was 2 (27 respondents).

62% reported being satisfied with their sage grouse hunting experience and 72% reported no crowding.

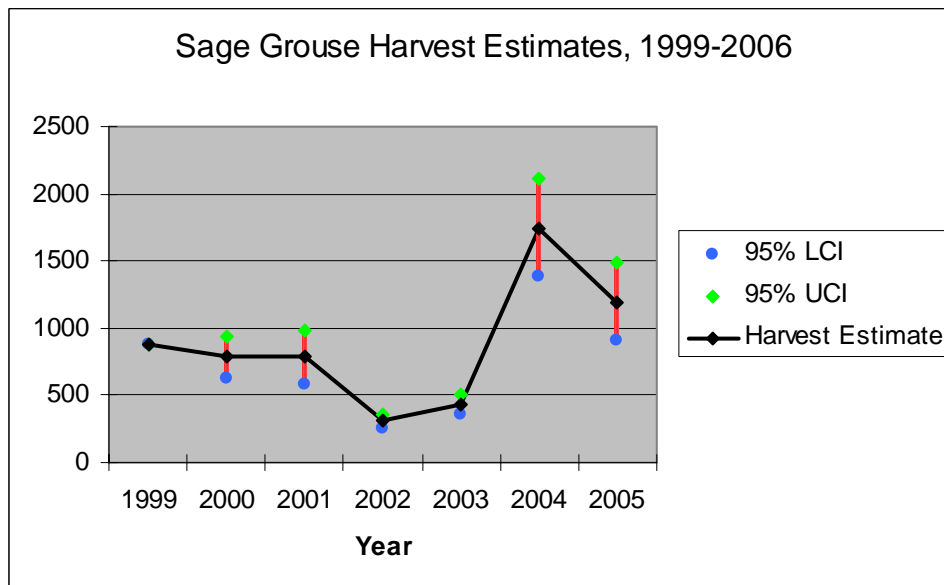
Statewide harvest estimate = 1,197 ± 286 (911-1,484).

Comparison with 2004 survey results:

Harvest was estimated to be lower than in 2004 when an estimated 1748 ± 361 birds were harvested. Hunter numbers were similar with an estimated 1,012 ± 129 in 2005 versus 991 ± 133 in 2004. Days hunted in 2005 were estimated at 2,429 ± 433 as compared to 2262 ± 390 in 2004.

Harvest by Strata, County and Population

Summary tables provide estimates of hunter numbers, days in the field and sage grouse harvest by strata, county and population. Estimates are followed by the standard error of the estimate, and 95% upper (UCI) and lower (LCI) confidence intervals around the estimate. For example, the estimated number of sage grouse hunters in North Park is 440 plus or minus 1.96(SE) or 1.96(44)=90. The range of the estimate is 349 to 531. Estimates of days in the field and harvest are interpreted the same way. State totals are given at the bottom of each column. **Harvest survey results are most reliable when viewed at the statewide level.**



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Stratification?

Sage Grouse Strata	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Will not hunt	20	1.26	20	1.26
Somewhat likely	1271	80.29	1291	81.55
Very likely	292	18.45	1583	100.00

Hunted during season?

Hunt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
yes	153	9.69	153	9.69
no	1426	90.31	1579	100.00

Table of Sage Grouse strata by hunt:

SG Strata	hunt(Hunted during season?)			Total
	yes	no		
Frequency				
Percent				
Row Pct				
Col Pct				
Will not hunt	0	20		20
	0.00	1.27		1.27
	0.00	100.00		
	0.00	1.40		
Somewhat likely	54	1213		1267
	3.42	76.82		80.24
	4.26	95.74		
	35.29	85.06		
Very likely	99	193		292
	6.27	12.22		18.49
	33.90	66.10		
	64.71	13.53		
Total	153	1426		1579
	9.69	90.31		100.00

Satisfied with hunt?

Satisfaction	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	12	7.84	12	7.84
Somewhat Dis.	14	9.15	26	16.99
Slightly Dis.	3	1.96	29	18.95
Neutral	11	7.19	40	26.14
Slightly Sat.	18	11.76	58	37.91
Somewhat Sat.	35	22.88	93	60.78
Strongly Sat.	60	39.22	153	100.00

Feel crowded?

Crowded?	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	111	72.55	111	72.55
Slightly	22	14.38	133	86.93
Moderately	12	7.84	145	94.77
Extremely	8	5.23	153	100.00

Possibly hunting other species?

Other grouse	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	18	90.00	18	90.00
Blue Grouse	2	10.00	20	100.00

Total harvested?

Tot. Harv.	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	83	54.25	83	54.25
1	17	11.11	100	65.36
2	27	17.65	127	83.01
3	9	5.88	136	88.89
4	11	7.19	147	96.08
5	2	1.31	149	97.39
6	2	1.31	151	98.69
8	2	1.31	153	100.00

County hunted?

County	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Archuleta	2	1.23	2	1.23
Eagle	1	0.61	3	1.84
Garfield	1	0.61	4	2.45
Grand	19	11.66	23	14.11
Gunnison	2	1.23	25	15.34
Jackson	63	38.65	88	53.99
La Plata	1	0.61	89	54.60
Larimer	2	1.23	91	55.83
Mesa	2	1.23	93	57.06
Moffat	40	24.54	133	81.60
Morgan	1	0.61	134	82.21
Park	1	0.61	135	82.82
Pueblo	1	0.61	136	83.44
Rio Blanco	10	6.13	146	89.57
Routt	4	2.45	150	92.02
San Miguel	1	0.61	151	92.64
Summit	8	4.91	159	97.55

Unknown	4	2.45	163	100.00
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Estimated Harvest by Strata

Strata	Hunters	SE (Hunters)	LCI (Hunters)	UCI (Hunters)	Days Hunted	SE (Days)	LCI (Days)	UCI (Days)	Harvest	SE (Harvest)	LCI (Harvest)	UCI (Harvest)
Will not hunt	0	0	0	0	0	0	0	0	0	0	0	0
Somewhat likely to hunt	340	41	258	421	893	155	589	1198	321	81	162	480
Very likely to hunt	672	51	573	772	1536	157	1227	1844	876	122	638	1115
Total	1012	66	884	1141	2429	221	1996	2862	1197	146	911	1484

Estimated Harvest by Population

Population	Hunters	SE (Hunters)	LCI (Hunters)	UCI (Hunters)	Days Hunted	SE (Days)	LCI (Days)	UCI (Days)	Harvest	SE (Harvest)	LCI (Harvest)	UCI (Harvest)
North Park	440	46	349	531	883	114	660	1106	474	87	304	645
Gunnison (closed)	13	8	-3	29	50	41	-30	130	13	12	-10	35
Moffat West	33	14	6	60	40	17	6	74	0	0	0	0
Moffat East	92	22	48	136	236	75	89	383	129	59	13	244
Middle Park	169	30	110	228	464	97	275	653	90	31	29	150
Cold Springs	60	18	24	96	134	41	54	214	170	59	54	286
Blue Mountain	147	28	92	202	355	76	205	504	259	74	113	405
Eagle (closed)	20	11	-1	41	46	25	-2	95	0	0	0	0
Piceance (closed)	19	10	-1	40	26	14	-2	54	13	9	-4	30
Glade Pk/Pinyon Mesa (closed)	0	0	0	0	0	0	0	0	13	12	-10	35
Dove Creek Dry	0	0	0	0	0	0	0	0	0	0	0	0
Creek/Miramonte	7	6	-6	19	95	88	-77	268	0	0	0	0
Crawford (closed)	0	0	0	0	0	0	0	0	0	0	0	0
Total	1012	66	884	1141	2429	221	1996	2862	1197	146	911	1484

**Estimated Harvest by
County**

		SE	LCI	UCI	Days	SE (Days	LCI (Days	UCI (Days		SE	LCI	UCI
Population	Hunters	(Hunters)	(Hunters)	(Hunters)	Hunted	Hunted)	Hunted)	Hunted)	Harvest	(Harvest)	(Harvest)	(Harvest)
Grand	118	25	69	168	313	75	166	460	58	23	13	103
Jackson	414	45	325	502	788	101	590	986	461	86	291	630
Moffat	254	36	183	326	576	96	387	765	518	108	306	730
Rio Blanco	59	18	24	95	120	38	46	194	33	18	-3	69
Routt	19	10	-1	40	65	39	-11	141	14	13	-11	38
Summit	44	15	14	74	145	54	39	250	31	21	-9	72
Total	1012	66	884	1141	2429	221	1996	2862	1197	146	911	1484