

Sage Grouse Harvest Report 2001

A post-season harvest survey was conducted by phone.

A stratified random sample of 3999 sage grouse hunters was drawn from among HIP participants. 2585 hunters were contacted (65% response rate).

Of those surveyed, 129 or 5% reported they had hunted sage grouse. The number of birds harvested ranged from 0 (65 respondents) to 11 (1 respondent).

70% reported being satisfied with their sage grouse hunting experience and 76% reported no crowding.

Harvest results are provided by strata, county and population.

In addition, there is a summary table of areas hunted (nearest landmark) and harvest reported by survey respondents.

Statewide harvest estimate = 782 ± 198 (585- 979).

Comparison with 2000 survey results:

Harvest was similar to that of 2000 when an estimated 784 ± 152 birds were harvested. Hunter numbers increased from 507 ± 59 in 2000 to an estimated 612 ± 90 in 2001. Days hunted increased slightly from an estimated 1408 ± 284 in 2000 to 1461 ± 263. None of these differences are statistically significant at the 95% confidence level.

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 Moffat County is 232 plus or minus 1.96(SE) or 1.96(29)=57. The range of the estimate is 175 to 289. Estimates of days in the field and harvest are interpreted the same way. State totals are given at the bottom of each column.

(The output wraps around.)

Sage Grouse Harvest 2001

sgstrata	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Will not hunt	23	0.89	23	0.89
Somewhat likely	2051	79.34	2074	80.23
Very likely	511	19.77	2585	100.00

Hunted during season?

hunt	Frequency	Percent	Cumulative Frequency	Cumulative Percent
yes	129	4.99	129	4.99
no	2456	95.01	2585	100.00

Table of sgstrata by hunt

sgstrata	hunt(Hunted during season?)			
Frequency				
Percent				
Row Pct				
Col Pct	yes	no		Total
Will not hunt	0	23		23
	0.00	0.89		0.89
	0.00	100.00		
	0.00	0.94		
Somewhat likely	55	1996		2051
	2.13	77.21		79.34
	2.68	97.32		
	42.64	81.27		
Very likely	74	437		511
	2.86	16.91		19.77
	14.48	85.52		
	57.36	17.79		
Total	129	2456		2585
	4.99	95.01		100.00

Satisfied with hunt?

satisfy	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly Dis.	15	11.63	15	11.63
Somewhat Dis.	9	6.98	24	18.60
Slightly Dis.	8	6.20	32	24.81
Neutral	5	3.88	37	28.68
Slightly Sat.	13	10.08	50	38.76
Somewhat Sat.	30	23.26	80	62.02
Strongly Sat.	49	37.98	129	100.00

Feel crowded?

crowded	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	97	76.38	97	76.38
Slightly	21	16.54	118	92.91
Moderately	8	6.30	126	99.21
Extremely	1	0.79	127	100.00

Possibly hunting another species?

other	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	7	100.00	7	100.00

Total harvest (reported by respondents)

totharv	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	65	50.39	65	50.39
1	10	7.75	75	58.14
2	35	27.13	110	85.27
3	6	4.65	116	89.92
4	8	6.20	124	96.12
5	2	1.55	126	97.67
6	2	1.55	128	99.22
11	1	0.78	129	100.00

County hunted (reported by respondents)

county	Frequency	Percent	Cumulative Frequency	Cumulative Percent
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Eagle	1	0.78	1	0.78
Garfield	1	0.78	2	1.55
Grand	6	4.65	8	6.20
Jackson	55	42.64	63	48.84
Mesa	2	1.55	65	50.39
Moffat	49	37.98	114	88.37
Rio Blanco	10	7.75	124	96.12
Routt	5	3.88	129	100.00

Estimated Harvest by Strata

sgstrata	Estimated Hunters	SE(Hunters)	LCI (Hunters)	UCI (Hunters)
Somewhat likely	247	29	190	304
Very likely	365	35	296	434
Total	612	46	523	701

Estimated Days Hunted	SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)	Estimated Harvest	SE(Harvest)
642	100	446	837	224	48
819	89	644	994	558	89
1461	134	1198	1723	782	101

LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
131	318	9	6	-2	20
384	731	25	12	2	47
585	979	34	13	8	59

Estimated Harvest by Counties

County	Estimated Hunters	SE(Hunters)	LCI (Hunters)	UCI (Hunters)	Estimated Days Hunted
Eagle	4	4	-3	12	13
Garfield	5	4	-4	14	15
Grand	29	11	8	50	58
Jackson	261	31	201	322	578
Mesa	10	6	-2	22	20
Moffat	232	29	175	289	578
Rio Blanco	46	13	21	72	151
Routt	24	10	5	43	49
State Total	612	46	523	701	1461

SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)	Estimated Harvest	SE(Harvest)	LCI (Harvest)
12	-10	37	0	0	0
13	-11	41	0	0	0
23	14	102	25	18	-11
88	406	750	280	53	176
14	-8	47	30	26	-22
84	414	743	391	79	237
50	52	250	29	15	-1
22	5	93	29	15	-0
134	1198	1723	782	101	585

UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
0	0	0	0	0
0	0	0	0	0
60	0	0	0	0
383	15	10	-4	34
81	0	0	0	0
546	9	6	-2	21
58	9	6	-2	21
58	0	0	0	0
979	34	13	8	59

Estimated Harvest by Population

1=North Park, 2=Gunnison (closed), 3=Moffat County West
 4=Moffat County East, 5=Middle Park, 6=Yampa (closed)
 7=Cold Springs, 8=Blue Mountain, 9=Eagle (closed)
 10=Piceance, 15=Glade Park/Pinyon Mesa (closed), 16=Dove Creek (closed)
 17=Dry Creek/Miramonte (closed), 18=Crawford (closed)

Population	Estimated Hunters	SE(Hunters)	LCI (Hunters)
North Park	261	31	201
Moffat West	128	22	86
Moffat East	53	14	25
Middle Park	29	11	8
Yampa (closed)	10	6	-2
Cold Springs	9	6	-2
Blue Mountain	56	14	28
Eagle (closed)	4	4	-3
Piceance (closed)	51	14	24
Glade Park/Pinyon Mesa (closed)	10	6	-2

UCI (Hunters)	Estimated Days Hunted	SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)	Estimated Harvest	SE(Harvest)
321	577	87	406	749	279	53
171	281	56	172	391	200	62
81	146	44	59	233	67	28
50	58	23	14	102	25	18
22	30	20	-9	68	10	9
20	45	28	-10	100	45	29
84	125	37	53	198	98	31
12	13	12	-10	37	0	0
78	166	52	64	268	29	15
22	20	14	-8	47	30	26

LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
176	383	15	10	-4	34
78	321	5	4	-4	14
12	122	0	0	0	0
-11	60	0	0	0	0
-7	27	0	0	0	0
-11	101	0	0	0	0
38	159	4	4	-3	12
0	0	0	0	0	0
-1	58	9	6	-2	21
-22	81	0	0	0	0

Population	Estimated Hunters	SE(Hunters)	LCI (Hunters)
State Total	612	46	523

UCI (Hunters)	Estimated Days Hunted	SE(Days Hunted)	LCI(Days Hunted)	UCI(Days Hunted)	Estimated Harvest	SE(Harvest)
701	1461	134	1198	1723	782	101

LCI (Harvest)	UCI (Harvest)	Not Retrieved	SE(Not Ret.)	LCI(Not. Ret.)	UCI(Not. Ret.)
585	979	34	13	8	59