

2021-22 Small Game Harvest Report

The general small game harvest survey was conducted by phone. A sample of 8,500 hunters was drawn from the Harvest Information Program database for this survey. More than 3,900 hunters were surveyed (45% response rate).

The 2021-22 small game survey includes estimates of hunter numbers, hunt days and harvest for cottontail rabbit, coyote, dusky grouse, pheasant, Walk-In Access (WIA) use and pheasant harvest. It is important to note that the WIA pheasant harvest is not independent from the estimate of total pheasant harvest. Instead, WIA harvest is included within the overall estimate of pheasant harvest. For 2021-22, approximately 9,242 or 46.4% of total pheasant harvest (19,910) occurred was estimated to occur on WIA properties.

County harvest estimates have been replaced by Region-based estimates to reduce the frequency of data reporting errors that commonly occur at the county level. County-based estimates were commonly based on a very small number of hunter responses and were generally accompanied by huge confidence intervals. By asking respondents to report harvest at the larger regionally-based scale, errors in data reporting and standard error estimates are reduced.

Those portions of the report that have frequency designations or are pure percentages are based on the actual number of hunters surveyed and their responses to survey questions. ***The harvest figures are estimates of total harvest extrapolated from survey responses.*** The estimates are followed by the standard error (SE) of the estimate which is a measure of the precision of the estimate. The 95% LCL and 95% UCL columns provide the upper and lower values for the 95% confidence limits around the estimate. For example, we estimated statewide harvest of cottontail rabbits in 2021-22 at 15,336 with a SE of 2,268. The 95% confidence interval range estimates that between 11,495 and 20,462 cottontail rabbits were harvested during the 2021-22 small game season. Further, we calculated the coefficient of variation for each statewide harvest estimate, which is a measure of the standard error divided by the harvest estimate.

**Statewide Small Game Species Harvest,
2021-22**

Species	Hunters	SE(hunters)	LCL	UCL	Days	SE (Days	LCL	UCL	Harvest	SE(harvest)	LCL	UCL	Harvest
			Hunters	Hunters	Hunted	Hunted)	Days	Days			Harvest	Harvest	CV
Cottontail Rabbit	5334	237	4889	5819	31231	3214	25539	38191	15336	2268	11495	20462	15%
Coyote	6676	261	6184	7207	96840	11342	77036	121734	33155	6136	23139	47507	19%
Dusky Grouse	6973	266	6472	7513	37539	2238	33401	42188	12343	967	10589	14387	8%
Pheasant	9266	297	8702	9867	40318	2047	36501	44534	19910	1364	17411	22767	7%
WIA	10870	315	10270	11504	67284	3715	60388	74968					

**2021-22 Small Game Harvest by County
Cottontail rabbit (↓)**

Region	Hunters	SE(hunters)	LCL	UCL	Days	SE (Days	LCL	UCL	Harvest	SE(harvest)	LCL	UCL	Harvest
			Hunters	Hunters	Hunted	Hunted)	Days	Days			Harvest	Harvest	CV
NW	1604	136	1359	1892	6415	1042	4675	8802	5666	2061	2840	11308	
SW	2233	159	1943	2567	11060	1288	8809	13885	4704	625	3630	6096	
SE	962	106	776	1193	5714	1860	3067	10644	2566	490	1771	3718	
NE	1485	131	1250	1764	8042	1598	5468	11828	2400	473	1637	3519	
Unknown	0	0	NA	NA	0	0	NA	NA	0	0	NA	NA	
Total	5334	237	4889	5819	31231	3214	25539	38191	15336	2268	11495	20462	15%

**2021-22 Small Game Harvest by County
Coyote (↓)**

Region	Hunters	SE(hunters)	LCL Hunters	UCL Hunters	Days Hunted	SE (Days Hunted)	LCL Days	UCL Days	Harvest	SE(harvest)	LCL Harvest	UCL Harvest	Harvest CV
SW	2423	165	2121	2769	28558	5229	20005	40766	12616	5216	5791	27483	
SE	1734	141	1480	2033	29033	6174	19226	43843	11190	2751	6961	17990	
NE	1853	145	1589	2161	24578	6849	14381	42008	6415	1420	4179	9848	
NW	1497	131	1261	1777	14659	4010	8658	24819	2934	564	2020	4263	
Unknown	12	12	2	61	12	12	2	61	0	0	NA	NA	
Total	6676	261	6184	7207	96840	11342	77036	121734	33155	6136	23139	47507	19%

**2021-22 Small Game Harvest by County
Dusky (Blue) grouse (↓)**

Region	Hunters	SE(hunters)	LCL Hunters	UCL Hunters	Days Hunted	SE (Days Hunted)	LCL Days	UCL Days	Harvest	SE(harvest)	LCL Harvest	UCL Harvest	Harvest CV
NW	3991	208	3604	4421	20789	1787	17571	24596	7365	787	5977	9076	
SW	3445	195	3084	3848	16750	1349	14307	19610	4977	540	4026	6153	
Unknown	0	0	NA	NA	0	0	NA	NA	0	0	NA	NA	
Total	6973	266	6472	7513	37539	2238	33401	42188	12343	967	10589	14387	8%

2021-22 Small Game Harvest by County
Pheasant (↓)

Region	Hunters	SE(hunters)	LCL Hunters	UCL Hunters	Days Hunted	SE (Days Hunted)	LCL Days	UCL Days	Harvest	SE(harvest)	LCL Harvest	UCL Harvest	Harvest CV
NE	7021	266	6518	7562	30494	1826	27121	34287	14160	1112	12143	16512	
SE	2411	165	2109	2757	7579	754	6239	9207	4787	700	3600	6367	
NW	689	90	534	889	1627	387	1027	2578	487	145	275	862	
SW	356	65	250	508	558	126	361	864	475	163	247	913	
Unknown	12	12	2	61	59	59	12	304	0	0	NA	NA	
Total	9266	297	8702	9867	40318	2047	36501	44534	19910	1364	17411	22767	7%

