

2016 Montana Shoulder Season Performance Criteria Evaluation

2016 Harvest Criteria - Harvest that is needed and harvest that was realized												
Hunting District(s)	Pop Obj	2016										
		Last Count	Recruitment		Archery and General Seasons ^a				All Seasons Combined ^b (Archery+General+Shoulder)			
			Cows	Bulls	Adult Cows		Adult Bulls		Adult Cows		Cows + Bulls + Calves	
Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized			
210/211	1450	2281	221	147	113	125	75	128	221	246	368	392
212/213	1150	2367	167	118	85	94	60	207	167	166	285	391
215	1400	2765	293	195	149	179	99	213	293	429	488	659
217	600	1225	96	64	49	58	33	42	96	240	160	301
290/298	600	767	95	63	48	86	32	54	95	148	158	215
291	600	1368	119	79	61	58	40	57	119	174	198	240
312	600	1058	129	86	66	142	44	199	129	270	215	475
390	900	2321	315	210	161	91	107	75	315	189	525	273
393	1500	3027	415	277	212	175	141	189	415	306	692	510
411/511/530	800	5452	468	379	239	239	193	281	468	414	847	717
412	300	730	86	57	44	57	29	64	86	108	143	179
421/423	500	660	74	50	38	87	26	79	74	118	124	200
422	500	1685	186	124	95	64	63	55	186	143	310	203
445/455	2500	3976	457	305	233	199	156	140	457	260	762	415
446	950	2114	270	180	138	134	92	212	270	283	450	513
449/452	600	1501	192	128	98	93	65	133	192	132	320	284
451	275	538	89	59	45	22	30	35	89	62	148	100
502/510/520/575	1335	2551	391	263	199	150	134	136	391	218	654	360
540	600	1786	340	226	173	100	115	76	340	151	566	243
560N	400	1356	150	100	77	98	51	113	150	157	250	290
570	100	576	88	59	45	19	30	47	88	47	147	97
580	975	4846	581	387	296	160	197	261	581	224	968	487
590N	750	2331	383	255	195	154	130	245	383	235	638	484
620/621/622	1650	2869	457	305	233	272	156	267	457	310	762	598
630/631/632	350	535	85	56	43	62	29	63	85	98	141	164
680/690	250	435	90	60	46	71	31	46	90	85	150	138
Total	21635	51120	6237	4232	3181	2989	2158	3417	6237	5213	10469	8928

^aHarvest of adult bulls and cows (no calves) during the archery and general seasons combined must be a number ≥51% of recruitment for both bulls and cows.

^bHarvest during all seasons combined (archery, general and shoulder seasons) must be a combined harvest of bulls, cows and calves ≥100% of recruitment of all elk.

Note: There were also Shoulder seasons in HDs 101, 109, 121, and 292 designed to address the fundamental objective of "Address problematic distributions of elk and elk harvest" and are not subject to harvest criteria.

2017 Montana Shoulder Season Performance Criteria Evaluation

Hunting District(s)	Pop Obj	2017 Harvest Criteria - Harvest that is needed and harvest that was realized										
		2017			Archery and General Seasons ^a				All Seasons Combined ^b (Archery+General+Shoulder)			
		Last Count	Recruitment		Adult Cows		Adult Bulls		Adult Cows		Cows + Bulls + Calves	
			Cows	Bulls	Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized
210/211	1450	1901	185	111	94	160	57	235	185	290	296	533
212/213	1150	2126	219	146	112	129	74	227	219	171	365	421
215	1400	2850	277	185	141	263	94	417	277	498	462	938
217	600	1384	150	100	77	51	51	71	150	159	250	234
290/298	600	845	47	31	24	91	16	69	47	138	78	218
291	600	1411	139	92	71	50	47	128	139	130	231	262
312	600	1551	230	153	117	236	78	255	230	301	383	587
390	900	2252	222	148	113	150	75	214	222	210	370	453
393	1500	3318	506	337	258	292	172	319	506	437	843	773
411/511/530	800	5962	912	608	465	369	310	287	912	529	1520	853
412	300	735	95	63	48	107	32	61	95	148	158	225
421/423	500	783	62	41	32	32	21	100	62	69	103	180
422	500	1508	154	103	79	77	53	91	154	149	257	242
445/455	2500	4363	466	310	238	210	158	200	466	290	776	504
446	950	1893	234	156	119	157	80	224	234	260	390	507
449/452	600	1073	132	88	67	129	45	171	132	214	220	414
451	275	628	73	49	37	20	25	37	73	32	122	77
502/510/520/575	1335	2937	403	271	206	158	138	159	403	232	674	410
540	600	2046	427	284	218	141	145	174	427	178	711	366
560N	400	2031	274	183	140	113	93	171	274	180	457	360
570	100	472	68	45	35	63	23	55	68	85	113	146
580	975	4846	505	337	258	223	172	280	505	326	842	622
590N	750	2703	413	275	211	299	140	246	413	389	688	660
620/621/622	1650	2869	457	305	233	221	156	195	457	259	762	457
630/631/632	350	535	85	56	43	44	29	56	85	46	141	104
680/690	250	523	110	74	56	41	38	32	110	52	184	86
Total	21635	53545	6845	4551	3491	3826	2321	4474	6845	5772	11396	10632

^aHarvest of adult bulls and cows (no calves) during the archery and general seasons combined must be a number ≥51% of recruitment for both bulls and cows.

^bHarvest during all seasons combined (archery, general and shoulder seasons) must be a combined harvest of bulls, cows **and calves** ≥100% of recruitment of all elk.

Note: There were also Shoulder seasons in HDs 101, 109, 121, 292 and 311 designed to address the fundamental objective of "Address problematic distributions of elk and elk harvest" or to "Address distribution and Brucellosis concerns" and are not subject to harvest criteria.

2018 Montana Shoulder Season Performance Criteria Evaluation

2018 Harvest Criteria - Harvest that is needed and harvest that was realized												
Hunting District(s)	Pop Obj	2018										
		Last Count	Recruitment		Archery and General Seasons ^a				All Seasons Combined ^b (Archery+General+Shoulder)			
			Cows	Bulls	Adult Cows		Adult Bulls		Adult Cows		Cows + Bulls + Calves	
					Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized
204	600	1060	90	60	46	57	31	44	90	80	150	125
210/211	1450	1901	185	111	94	134	57	187	185	289	296	479
212/213	1150	1283	148	99	75	171	50	196	148	346	247	555
214	450	331	16	11	8	25	6	34	16	37	27	75
215	1400	2650	271	181	138	283	92	296	271	401	452	711
216	325	445	46	30	23	18	15	35	46	26	76	61
217	600	806	73	49	37	32	25	38	73	78	122	116
240	1000	962	107	71	55	114	36	71	107	181	178	254
283	300	292	173	115	88	11	59	74	173	25	288	96
290/298	600	845	78	52	40	49	27	72	78	89	130	161
291	600	1262	144	96	73	75	49	99	144	123	240	230
312	600	1199	175	117	89	119	60	197	175	206	292	413
317	900	1566	74	50	38	214	26	150	74	263	124	427
390	900	1904	184	123	94	125	63	104	184	207	307	318
391	975	1539	217	144	111	222	73	215	217	272	361	505
393	1500	3038	559	373	285	153	190	247	559	305	932	576
411/511/530	800	7342	1295	863	660	268	440	287	1295	527	2158	841
412	300	573	80	54	41	66	28	79	80	128	134	206
421/423	500	661	64	43	33	28	22	79	64	138	107	226
422/444	500	1294	128	85	65	53	43	62	128	122	213	190
445/455	2500	4257	484	323	247	182	165	179	484	215	807	424
446	950	1619	247	165	126	121	84	170	247	210	412	414
447	700	1814	187	124	95	140	63	80	187	207	311	294
449/452	600	1286	210	140	107	135	71	174	210	230	350	432
451	275	628	73	49	37	12	25	50	73	31	122	81
500	60	270	38	25	19	29	13	50	38	38	63	90
502/510/520/575	1335	2527	350	234	179	177	119	149	350	306	584	474
540	600	1841	324	216	165	99	110	97	324	166	540	277
560N	400	1424	154	102	79	64	52	125	154	138	256	279
570	100	398	55	37	28	34	19	58	55	77	92	142
580	975	4821	429	286	219	183	146	283	429	411	715	723
590N	750	2703	413	275	211	129	140	215	413	253	688	484
620/621/622	1650	1662	302	201	154	255	103	202	302	294	503	508
630/631/632	350	632	106	71	54	29	36	45	106	37	177	86
680/690	250	647	125	83	64	64	42	32	125	71	208	108
Total	26945	57482	7604	5058	3878	3870	2580	4475	7604	6527	12662	11381

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Note: There were also Shoulder seasons in HDs 101, 109, 121, 262, 292, 293, and 311 designed to address the fundamental objective of "Address problematic distributions of elk and elk harvest" or to "Address distribution and Brucellosis concerns" and are not subject to harvest criteria.

2019 Montana Shoulder Season Performance Criteria Evaluation

2019 Harvest Criteria - Harvest that is needed and harvest that was realized													
Hunting District(s)	Pop Obj	2019		Archery and General Seasons ^a				All Seasons Combined ^b (Archery+General+Shoulder)					
		Last Count	Recruitment		Adult Cows		Adult Bulls		Adult Cows		Cows + Bulls + Calves		
			Cows	Bulls	Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized	
													Needed
204	600	891	59	40	30	26	20	21	59	49	99	79	
210/211	1450	1901	88	59	45	87	30	105	88	170	147	323	
212/213	1150	1861	152	101	78	132	52	131	152	244	253	423	
214	450	331	15	10	8	24	5	8	15	34	25	52	
215	1400	2650	127	85	65	163	43	172	127	268	212	522	
216	325	445	15	10	8	8	5	29	15	14	25	52	
217	600	648	31	21	16	15	11	32	31	42	52	79	
240	1000	1010	83	56	42	39	29	67	83	127	139	227	
290/298	600	865	76	51	39	18	26	42	76	50	127	92	
291	600	519	40	26	20	42	13	47	40	86	66	169	
312	600	1301	174	116	89	125	59	133	174	191	290	381	
317	900	1414	67	45	34	122	23	126	67	173	112	343	
390	900	1803	178	119	91	61	61	46	178	116	297	194	
391	975	1539	119	79	61	127	40	125	119	169	198	375	
393	1500	3038	577	385	294	199	196	160	577	306	962	528	
411/511/530	800	7204	1147	765	585	288	390	200	1147	597	1912	883	
412	300	528	80	54	41	86	28	75	80	117	134	208	
421/423	500	661	58	39	30	30	20	66	58	58	97	151	
422/444	500	983	106	71	54	46	36	52	106	101	177	162	
445/455	2500	4029	337	225	172	229	115	123	337	285	562	486	
446	950	2184	231	154	118	109	79	84	231	181	385	334	
447	700	1781	178	118	91	103	60	80	178	166	296	270	
449/452	600	1207	100	67	51	119	34	127	100	196	167	390	
451	275	210	17	12	9	24	6	23	17	43	29	74	
500	60	270	38	25	19	30	13	36	38	44	63	88	
502/510/520/575	1335	2559	355	237	181	149	121	168	355	251	592	470	
540	600	1915	374	249	191	132	127	84	374	212	623	350	
560N	400	1849	143	95	73	95	48	60	143	158	238	241	
570	100	398	55	37	28	45	19	71	55	66	92	170	
580	975	4170	383	255	195	226	130	178	383	364	638	617	
590N	750	2690	413	275	211	157	140	178	413	309	688	550	
620/621/622	1650	1662	302	201	154	135	103	169	302	227	503	427	
630/631/632	350	632	106	71	54	17	36	49	106	24	177	81	
680/690	250	647	125	83	64	55	42	43	125	67	208	116	
Total	26645	55795	6349	4236	3238	3263	2160	3110	6349	5505	10585	9907	

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Note: There were also Shoulder seasons in HDs 101, 109, 121, 262, 292, 293, and 311 designed to address the fundamental objective of "Address problematic distributions of elk and elk harvest" or to "Address distribution and Brucellosis concerns" and are not subject to harvest criteria.

2016, 2017, 2018, 2019 Montana Shoulder Season Performance Criteria Evaluation

Hunting District(s)	2016 + 2017 + 2018 + 2019 Harvest Criteria - Harvest that is needed and harvest that was realized									
	2016 + 2017 + 2018 + 2019		Archery and General Seasons ^a				All Seasons Combined ^b (Archery+General+Shoulder)			
	Recruitment		Adult Cows		Adult Bulls		Adult Cows		Cows + Bulls + Calves	
	Cows	Bulls	Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized
210/211	679	428	346	506	218	655	679	995	1107	1727
212/213	686	464	350	526	237	761	686	927	1150	1790
215	968	646	494	888	329	1098	968	1596	1614	2830
217	350	234	179	156	119	183	350	519	584	730
290/298	296	197	151	244	100	237	296	425	493	686
291	442	293	225	225	149	331	442	513	735	901
312	708	472	361	622	241	784	708	968	1180	1856
390	899	600	458	427	306	439	899	722	1499	1238
393	2057	1372	1049	819	700	915	2057	1354	3429	2387
411/511/530	3822	2615	1949	1164	1334	1055	3822	2067	6437	3294
412	341	228	174	316	116	279	341	501	569	818
421/423	258	173	132	177	88	324	258	383	431	757
422	574	383	293	225	195	230	574	490	957	742
445/455	1744	1163	889	820	593	642	1744	1050	2907	1829
446	982	655	501	521	334	690	982	934	1637	1768
449/452	634	423	323	476	216	605	634	772	1057	1520
451	252	169	129	78	86	145	252	168	421	332
502/510/520/575	1499	1005	764	634	513	612	1499	1007	2504	1714
540	1465	975	747	472	497	431	1465	707	2440	1236
560N	721	480	368	370	245	469	721	633	1201	1170
570	266	178	136	161	91	231	266	275	444	555
580	1898	1265	968	792	645	1002	1898	1325	3163	2449
590N	1622	1080	827	739	551	884	1622	1186	2702	2178
620/621/622	1518	1012	774	883	516	833	1518	1090	2530	1990
630/631/632	382	254	195	152	130	213	382	205	636	435
680/690	450	300	230	231	153	153	450	275	750	448
Total	25513	17064	13012	12624	8703	14201	25513	21087	42577	37380

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2017, 2018, 2019 Montana Shoulder Season Performance Criteria Evaluation

Hunting District(s)	2017 + 2018 + 2019 Harvest Criteria - Harvest that is needed and harvest that was realized									
	2017 + 2018 + 2019		Archery and General Seasons ^a				All Seasons Combined ^b (Archery+General+Shoulder)			
	Recruitment		Adult Cows		Adult Bulls		Adult Cows		Cows + Bulls + Calves	
	Cows	Bulls	Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized
210/211	458	281	234	381	143	527	458	749	739	1335
212/213	519	346	265	432	176	554	519	761	865	1399
215	675	451	344	709	230	885	675	1167	1126	2171
217	254	170	130	98	87	141	254	279	424	429
290/298	201	134	103	158	68	183	201	277	335	471
291	323	214	165	167	109	274	323	339	537	661
312	579	386	295	480	197	585	579	698	965	1381
390	584	390	298	336	199	364	584	533	974	965
393	1642	1095	837	644	558	726	1642	1048	2737	1877
411/511/530	3354	2236	1711	925	1140	774	3354	1653	5590	2577
412	255	171	130	259	87	215	255	393	426	639
421/423	184	123	94	90	63	245	184	265	307	557
422	388	259	198	161	132	175	388	347	647	539
445/455	1287	858	656	621	438	502	1287	790	2145	1414
446	712	475	363	387	242	478	712	651	1187	1255
449/452	442	295	225	383	150	472	442	640	737	1236
451	163	110	83	56	56	110	163	106	273	232
502/510/520/575	1108	742	565	484	378	476	1108	789	1850	1354
540	1125	749	574	372	382	355	1125	556	1874	993
560N	571	380	291	272	194	356	571	476	951	880
570	178	119	91	142	61	184	178	228	297	458
580	1317	878	672	632	448	741	1317	1101	2195	1962
590N	1239	825	632	585	421	639	1239	951	2064	1694
620/621/622	1061	707	541	611	361	566	1061	780	1768	1392
630/631/632	297	198	151	90	101	150	297	107	495	271
680/690	360	240	184	160	122	107	360	190	600	310
Total	19276	12832	9831	9635	6544	10784	19276	15874	32108	28452

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^bHarvest during all seasons combined (archery, general and shoulder seasons) must be a combined harvest of bulls, cows and calves ≥100% of recruitment of all elk.

2018 & 2019 Montana Shoulder Season Performance Criteria Evaluation

Hunting District(s)	2018 + 2019 Harvest Criteria - Harvest that is needed and harvest that was realized									
	2018 + 2019 Recruitment		Archery and General Seasons ^a				All Seasons Combined ^b (Archery+General+Shoulder)			
	Cows	Bulls	Adult Cows		Adult Bulls		Adult Cows		Cows + Bulls + Calves	
			Needed	Realized	Needed	Realized	Needed	Realized	Needed	Realized
204	149	100	76	83	51	65	149	129	249	204
210/211	273	170	139	221	87	292	273	459	443	802
212/213	300	200	153	303	102	327	300	590	500	978
214	31	21	16	49	11	42	31	71	52	127
215	398	266	203	446	136	468	398	669	664	1233
216	61	40	31	26	20	64	61	40	101	113
217	104	70	53	47	36	70	104	120	174	195
240	190	127	97	153	65	138	190	308	317	481
290/298	154	103	79	67	53	114	154	139	257	253
291	184	122	94	117	62	146	184	209	306	399
312	349	233	178	244	119	330	349	397	582	794
317	141	95	72	336	48	276	141	436	236	770
390	362	242	185	186	123	150	362	323	604	512
391	336	223	171	349	114	340	336	441	559	880
393	1136	758	579	352	387	407	1136	611	1894	1104
411/511/530	2442	1628	1245	556	830	487	2442	1124	4070	1724
412	160	108	82	152	55	154	160	245	268	414
421/423	122	82	62	58	42	145	122	196	204	377
422/444	234	156	119	99	80	114	234	223	390	352
445/455	821	548	419	411	279	302	821	500	1369	910
446	478	319	244	230	163	254	478	391	797	748
447	365	242	186	243	123	160	365	373	607	564
449/452	310	207	158	254	106	301	310	426	517	822
451	90	61	46	36	31	73	90	74	151	155
500	76	50	39	59	26	86	76	82	126	178
502/510/520/575	705	471	360	326	240	317	705	557	1176	944
540	698	465	356	231	237	181	698	378	1163	627
560N	297	197	151	159	100	185	297	296	494	520
570	110	74	56	79	38	129	110	143	184	312
580	812	541	414	409	276	461	812	775	1353	1340
590N	826	550	421	286	281	393	826	562	1376	1034
620/621/622	604	402	308	390	205	371	604	521	1006	935
630/631/632	212	142	108	46	72	94	212	61	354	167
680/690	250	166	128	119	85	75	250	138	416	224
Total	13780	9179	7028	7122	4681	7511	13780	12007	22959	21192

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