

**SMOKED BEAR
ELEVEN WESTERN STATES WILDFIRE, PRESCRIPTIVE AND FIRE USE HISTORY
2002-2011**

Total for All Acres Burned			
Type of Burn	Acres Burned	Animals Burned	Pollution Spewed (in pounds)
Wildfire	34,106,178	102,318,534	3,410,617,800
Prescriptive Burns	5,516,085	16,548,255	551,608,500
Fire Use	1,335,804	4,007,412	133,580,400
Totals	40,958,067	122,874,201	4,095,806,700

Totals for Intentional Acres Burned Only			
Type of Burn	Acres Burned	Animals Burned	Pollution Spewed (in pounds)
Prescriptive Burns	5,516,085	16,548,255	551,608,500
Fire Use	1,335,804	4,007,412	133,580,400
Totals	6,851,889	20,555,667	685,188,900

Western States Prescriptive Fire History 2002-2011
Acres Burned, Animals Burned, Pollution Spewed (per thousands of pounds)

State	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total S
CALIFORNIA											
Wildfire	506,696	793,477	242,057	201,754	675,919	1,087,110	1,339,839	405,585	108,742	126,854	
Animals burned	1,520,088	2,380,431	726,171	608,262	2,036,757	3,261,330	4,019,517	1,216,755	326,226	380,562	
Pollution spewed	50,669	79,347	24,205	20,275	67,891	108,711	133,983	40,558	10,874	12,685	
IDAHO											
Wildfire	84,964	313,546	13,981	442,391	933,548	1,980,552	116,796	22,681	613,868	384,103	
Animals burned	254,892	940,638	41,943	1,327,173	2,800,644	5,941,656	350,388	68,043	1,841,604	1,151,309	
Pollution spewed	8,496	31,354	1,398	44,239	93,354	198,055	11,679	2,268	61,386	38,410	
NEVADA											
Wildfire	77,917	17,382	39,794	1,032,114	1,349,023	890,414	71,930	33,366	13,863	424,170	
Animals burned	233,781	52,746	119,382	3,096,342	4,047,069	2,671,242	215,790	100,098	71,589	1,272,510	
Pollution spewed	7,792	1,758	3,979	103,211	134,902	89,041	7,193	3,336	2,386	42,417	
ARIZONA											
Wildfire	700,101	192,538	219,900	975,456	177,427	101,381	85,496	263,358	74,445	1,016,428	
Animals burned	1,100,303	577,614	659,700	1,926,368	532,281	304,143	256,488	790,074	223,335	3,049,254	
Pollution spewed	70,010	19,253	21,990	97,545	17,742	10,138	8,549	26,335	7,444	101,642	
NEW MEXICO											
Wildfire	419,533	82,528	83,238	67,036	607,802	97,750	487,652	421,481	231,403	1,286,487	
Animals burned	1,258,599	247,584	249,714	201,108	1,823,406	293,250	1,461,956	1,264,443	694,209	3,859,461	
Pollution spewed	41,953	8,252	8,323	6,703	60,780	9,775	48,765	42,148	23,140	128,648	
MONTANA											
Wildfire	111,824	736,809	18,446	103,267	1,047,323	778,079	166,842	48,912	57,380	168,010	
Animals burned	335,472	2,210,427	55,338	309,801	3,141,969	2,334,237	500,526	146,736	172,140	504,030	
Pollution spewed	11,182	73,680	1,844	10,326	104,732	77,807	16,684	4,891	5,738	16,801	
OREGON											
Wildfire	1,010,952	160,191	30,018	155,331	545,870	648,046	136,572	100,668	69,613	285,712	
Animals burned	3,032,856	480,573	90,054	465,993	1,637,610	1,944,138	409,716	302,004	208,869	857,136	

Pollution spewed	101,095	16,019	3,001	15,533	54,587	64,804	13,657	10,066	6,962	28,571	
UTAH											
Wildfire	237,427	115,994	76,654	313,932	340,572	620,730	28,490	112,753	65,236	62,783	
Animals burned	712,281	347,983	229,962	941,796	1,021,716	1,862,190	85,470	338,259	195,708	188,349	
Pollution spewed	23,742	11,599	7,665	31,393	34,057	62,073	1,849	11,275	6,523	6,278	
COLORADO											
Wildfire	926,503	27,655	24,996	27,390	94,484	20,739	141,966	50,456	40,788	161,167	
Animals burned	2,779,506	82,965	74,988	81,170	283,452	62,217	425,898	151,368	122,364	483,501	
Pollution spewed	92,650	2,765	2,499	2,739	9,448	1,073	14,196	5,045	4,078	16,116	
WASHINGTON											
Wildfire	92,742	200,517	92,617	185,748	410,060	214,925	147,264	77,250	41,151	17,480	
Animals burned	278,226	601,551	277,851	557,224	1,230,180	644,775	441,792	131,750	123,453	52,440	
Pollution spewed	9,274	20,051	9,261	18,574	41,006	21,492	14,726	7,725	4,115	1,748	
WYOMING											
Wildfire	124,946	94,514	13,021	17,920	202,301	78,004	36,941	23,123	79,201	135,878	
Animals burned	374,538	283,542	39,063	53,760	606,903	334,013	110,813	69,369	237,603	407,634	
Pollution spewed	12,484	9,451	1,302	1,792	20,230	7,800	3,694	2,312	7,920	13,587	

WILDFIRE TOTALS FOR ELEVEN WESTERN STATES 2002-2011

ANIMALS BURNED – 102, 318, 534

POLLUTION SPEWED – 3,410,617,800 POUNDS

ACRES BURNED – 34,106,178

The above figures for acres burned were derived from the National Interagency Fire Center Website in 2014. For animals burned a factor of three per acre was used. For information on how this factor was reached, see below. For pollution spewed a factor of 100 pounds per acre was used. For information on how this factor was reached, see below. Information compiled by Smoked Bear LLC. For additional information see smokedbear.com.

***ANIMALS PER ACRE**

Insufficient research has been done to develop a definitive factor for how many animals (vertebrates) burn per acre in range or forest fires. A very conservative factor has been utilized of three animals burned per acre for the purpose of presenting the information in

the chart above. Smoked Bear, LLC's research from studying range reports and interviewing ranchers, outdoorsman, hunters, and wildlife enthusiasts shows that an average number of animals per acre ranges from 6 to 40, which is substantially more than the conservative factor of 3 animals that has been utilized for the purposes of the numbers provided.

****POLLUTION PER ACRE**

Insufficient research has been done to develop a definitive factor for how much pollution is spewed into the air per acre in a range or forest fire. A very conservative factor has been utilized of 100 pounds per acre for the purpose of presenting the information in the chart above. After reviewing studies from NCAR and other governmental and private organization pounds of pollution produced in range land fires ranges from 1,000 pounds per acre to 16,000 pounds per acre. The fuel load on an acre of forest land is substantially greater.

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