

SMOKED BEAR
ELEVEN WESTERN STATES WILDFIRE, PRESCRIPTIVE AND FIRE USE HISTORY
2002-2012

Totals 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 Wildfire History 2002-2011
Acres Burned, Animals Burned, Pollution Spewed (per thousands of pounds)

State	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Totals
CALIFORNIA											
Wildfire	506,696	793,477	242,057	202,754	678,919	1,087,110	1,339,839	405,385	108,742	126,854	5,492,633
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	16,476,699
Pollution spewed	30,669	79,347	24,205	20,275	67,891	108,711	133,983	40,558	10,874	12,685	549,203
IDAHO											
Wildfire	84,964	313,546	13,981	442,391	933,548	1,980,552	116,796	22,681	613,868	384,103	4,906,436
Animals burned	254,892	940,638	41,943	1,327,173	2,800,644	5,941,656	350,388	68,043	1,841,604	1,152,309	14,719,296
Pollution spewed	8,496	31,354	1,398	44,239	93,354	198,055	11,679	2,268	61,386	38,410	496,643
NEVADA											
Wildfire	77,927	17,582	39,794	1,032,114	1,349,023	890,414	71,930	33,366	23,863	424,170	3,960,183
Animals burned	233,781	52,746	119,382	3,096,342	4,047,069	2,671,342	215,790	100,098	71,589	1,272,510	11,886,549
Pollution spewed	7,792	1,758	3,979	103,211	134,902	89,041	7,193	3,336	2,386	42,417	396,618
ARIZONA											
Wildfire	700,101	192,538	219,900	975,456	177,427	101,381	85,496	263,358	74,445	1,016,428	3,806,530
Animals burned	2,100,303	577,614	659,700	2,926,368	532,281	304,143	256,488	790,074	223,335	3,049,384	11,419,596
Pollution spewed	70,010	19,253	21,990	97,545	17,742	10,138	8,549	26,335	7,444	101,642	386,653
NEW MEXICO											
Wildfire	419,533	82,528	83,238	67,036	607,802	97,750	487,652	421,481	231,403	1,286,487	3,784,916
Animals burned	1,258,599	247,584	249,714	201,108	1,823,406	293,250	1,462,956	1,284,443	694,209	3,859,461	11,354,736
Pollution spewed	41,953	8,252	8,323	6,703	60,780	9,775	48,765	42,148	23,140	128,648	378,491
MONTANA											
Wildfire	111,824	736,809	18,446	103,267	1,047,323	778,079	166,842	48,912	57,380	168,010	3,226,692
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	9,716,676
Pollution spewed	11,182	73,680	1,844	10,326	104,732	77,807	16,684	4,891	5,738	16,301	323,689
OREGON											
Wildfire	1,010,952	160,191	30,018	155,331	545,870	648,046	136,572	100,668	69,623	285,712	3,142,983

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	9,428,949
Pollution spewed	101,095	16,019	3,001	15,533	54,587	64,804	13,657	10,066	6,962	28,571	314,298
UTAH											
Wildfire	237,417	115,994	76,654	313,932	340,572	620,730	28,490	112,753	65,236	62,783	1,974,571
Animals burned	712,381	347,982	229,962	941,796	1,031,716	1,862,190	85,470	338,259	195,708	188,349	5,923,713
Pollution spewed	23,742	11,599	7,665	31,393	34,057	62,073	2,849	11,275	6,523	6,278	197,487
COLORADO											
Wildfire	926,502	27,655	24,996	27,390	94,484	20,739	141,966	50,456	40,788	161,167	1,516,143
Animals burned	2,779,506	82,965	74,988	82,170	283,452	62,217	425,898	151,368	122,364	483,501	4,548,429
Pollution spewed	92,650	2,765	2,499	2,739	9,448	2,073	14,196	5,045	4,078	16,116	151,614
WASHINGTON											
Wildfire	92,742	200,517	92,617	185,748	410,060	214,925	147,264	77,250	41,151	17,480	1,479,754
Animals burned	278,226	601,551	277,851	557,244	1,230,180	644,775	441,792	231,750	123,433	52,440	4,439,262
Pollution spewed	9,274	20,051	9,261	18,574	41,006	21,492	14,726	7,725	4,115	1,748	147,975
WYOMING											
Wildfire	124,846	94,514	13,021	17,920	202,301	78,004	36,941	23,123	79,201	135,878	605,749
Animals burned	374,538	283,542	39,063	53,760	606,903	234,012	110,823	69,369	237,603	407,634	2,417,247
Pollution spewed	12,484	9,451	1,302	1,792	20,230	7,800	3,694	2,312	7,920	13,587	80,574

WILDFIRE TOTALS FOR ELEVEN WESTERN STATES 2002 – 2012

ANIMALS BURNED – 102,318,534

POLLUTION SPEWED – 3,410,617,800 POUNDS

ACRES BURNED – 34,106,178

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	Totals
OREGON											
Prescriptive Burn	98,559	102,236	138,880	97,065	112,949	110,694	112,450	130,654	88,412	73,855	1,065,754
Animals burned	295,677	306,708	416,640	291,195	338,847	332,082	337,350	391,962	265,236	221,565	3,197,262
Pollution spewed	9,855	10,223	13,888	9,706	11,294	11,069	11,245	13,065	8,841	7,385	106,571
ARIZONA											
Prescriptive Burn	95,576	111,460	66,199	111,452	75,325	98,593	132,951	195,285	67,799	61,170	1,015,810
Animals burned	286,728	334,380	198,597	334,356	225,975	295,779	398,853	585,855	203,397	183,510	3,047,430
Pollution spewed	9,557	11,146	6,619	11,145	7,532	9,859	13,295	19,528	6,779	6,117	101,577
CALIFORNIA											
Prescriptive Burn	88,362	67,786	79,158	95,095	67,678	71,403	87,416	93,940	63,152	59,273	773,263
Animals burned	265,086	203,358	237,474	285,285	203,034	214,209	262,248	281,820	189,456	177,819	2,319,789
Pollution spewed	8,836	6,778	7,915	9,509	6,767	7,140	8,741	9,394	6,315	5,927	77,322
NEW MEXICO											
Prescriptive Burn	32,797	56,788	83,317	85,276	67,796	54,489	71,930	99,132	59,919	254,762	693,304
Animals burned	98,391	170,364	249,951	255,828	203,388	163,467	215,790	297,396	179,757	764,286	2,079,912
Pollution spewed	3,279	5,678	8,331	8,527	6,779	5,448	7,193	9,913	5,991	25,476	86,615
IDAHO											
Prescriptive Burn	84,964	50,057	67,556	56,199	63,459	47,000	57,365	33,895	25,795	43,333	529,623
Animals burned	254,892	150,171	202,668	168,597	190,377	141,000	172,095	101,685	77,385	129,999	1,568,869
Pollution spewed	8,496	5,005	6,755	5,619	6,345	4,700	5,736	3,389	2,579	4,333	52,957
MONTANA											
Prescriptive Burn	24,064	26,743	44,634	35,727	45,059	37,166	36,820	38,433	38,133	39,635	366,414
Animals burned	72,192	80,229	133,902	107,181	135,177	111,498	110,460	115,299	114,399	118,905	1,099,242
Pollution spewed	2,406	2,674	4,463	3,572	4,505	3,716	3,682	3,843	3,813	3,963	36,637
COLORADO											
Prescriptive Burn	10,739	22,249	47,788	48,213	36,661	35,840	43,048	25,674	17,903	29,331	317,446

Animals burned	32,217	66,747	143,364	144,639	109,983	107,520	129,144	77,022	53,709	87,993	952,338
Pollution spewed	1,073	2,224	4,778	4,821	3,666	3,584	4,304	2,567	1,790	2,933	31,740
UTAH											
Prescriptive Burn	34,792	31,961	22,667	20,818	20,536	36,840	34,620	28,173	20,087	16,354	266,848
Animals burned	104,376	95,883	68,001	62,454	61,608	110,520	103,860	84,519	60,261	49,062	806,544
Pollution spewed	3,479	3,196	2,266	2,081	2,053	3,684	3,462	2,817	2,008	1,635	26,681
WASHINGTON											
Prescriptive Burn	17,155	18,186	33,129	14,707	25,689	33,981	6,292	26,419	16,560	18,664	210,782
Animals burned	51,465	54,558	99,387	44,121	77,067	101,943	18,876	79,257	49,680	55,992	632,346
Pollution spewed	1,715	1,818	3,312	1,470	2,568	3,398	629	2,641	1,656	1,866	21,073
WYOMING											
Prescriptive Burn	10,993	32,852	24,322	27,339	11,799	26,313	10,969	16,299	24,084	10,418	195,388
Animals burned	32,979	98,556	72,966	82,017	35,397	78,939	32,907	48,897	72,252	31,254	586,164
Pollution spewed	1,099	3,285	2,432	2,733	1,179	2,631	1,096	1,629	2,408	1,041	19,533
NEVADA											
Prescriptive Burn	16,033	5,744	6,017	13,580	6,685	11,192	8,399	3,108	4,730	5,995	81,483
Animals burned	48,099	17,232	18,051	40,740	20,055	33,576	25,197	9,324	14,190	17,985	244,449
Pollution spewed	1,603	574	601	1,358	668	1,119	839	310	473	599	8,144

PRESCRIPTIVE FIRE TOTALS FOR ELEVEN WESTERN STATES 2002 – 2011

ANIMALS BURNED – 16,548,255
POLLUTION SPEWED – 551,608,500 POUNDS
ACRES BURNED – 5,516,085

COLORADO											
Wildland Fire Use	23,212	3,519	9,599	7,175	0	229	2,378	0	-	-	46,112
Animals burned	69,636	10,557	28,797	21,525	0	687	7,134	0	-	-	138,336
Pollution spewed	2,321	351	959	717	0	22	237	0	-	-	4,607
OREGON											
Wildland Fire Use	1	250	1,202	36,750	3,000	0	3,649	198	-	-	45,050
Animals burned	3	750	3,606	110,250	9,000	0	10,947	594	-	-	135,150
Pollution (in millions)	0.1	25	120	3,675	300	0	364	19	-	-	4,503.1
UTAH											
Wildland Fire Use	345	766	10,100	7,454	6,338	7,184	3,060	0	-	-	35,247
Animals burned	1035	2298	30,300	22,362	19,014	21,552	9,180	0	-	-	105,741
Pollution spewed	34	76	1,010	745	633	718	306	0	-	-	3,522
NEVADA											
Wildland Fire Use	8,528	2	494	141	3,349	3,631	10,539	0	-	-	26,684
Animals burned	25,584	6	1482	423	10,047	10,893	31,617	0	-	-	80,052
Pollution spewed	852	0.2	49	14	334	363	1,053	0	-	-	2,665.2
WASHINGTON											
Wildland Fire Use	11	3,545	876	2	9,288	802	812	1,020	-	-	16,356
Animals burned	33	10,635	2628	6	27,864	2406	2436	3,060	-	-	49,068
Pollution spewed	1.1	354	87	0.2	928	80	81	102	-	-	1633.3

WILDFIRE TOTALS FOR ELEVEN WESTERN STATES 2002 - 2011

ANIMALS BURNED – 4,007,412

POLLUTION SPEWED – 133,580,400 POUNDS

ACRES BURNED – 1,335,804

The eleven western states include: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming

The above figures for acres burned were derived from the National Interagency Fire Center Website in March 2011.

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. Therefore, a ridiculously small factor has been used. That very low factor of three animals burned per acre was reached by interviewing many people with knowledge about the number of animals on an acre of range or forest land that burns. The average number of animals per acre ranges from 6 to 40.

****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. Therefore, a ridiculously small factor has been used. That very low factor of 100 pounds per acre was reached by interviewing many people with great knowledge about this particular part of their field for the amount of fuel load on an average acre that burns. The average in range country that has been burning has a fuel load per acre between 1,000 pounds and 16,000 pounds. The fuel load on an acre of forest land is of course substantially greater.

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