


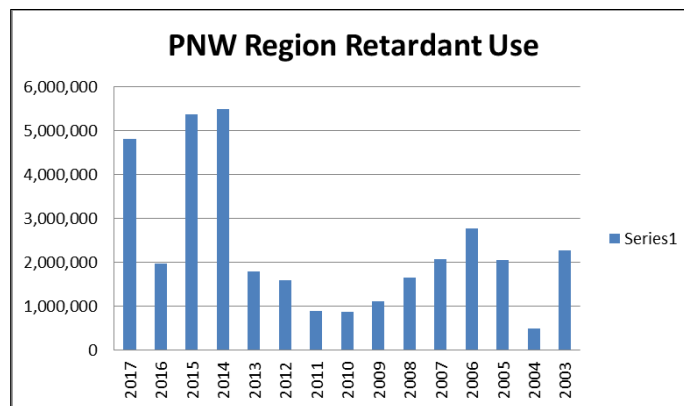
## USFS PACIFIC NORTHWEST REGION LARGE AIRTANKER BASE FIRE RETARDANT USE

Below is a chart showing a compilation of the last 20 years of fire retardant amounts in gallons delivered from the Forest Service Pacific Northwest Region large airtanker bases to agency fires.

Year	 <b>PACIFIC NORTHWEST REGION FIRE RETARDANT USE REPORT</b> <b>PNW REGION USE BY YEAR AND AGENCY</b> <b>LARGE AIRTANKER PROGRAM</b>										Total Region
	FS-R6	FS-Other	BIA	BLM	NPS	ODF	DNR	Cal Fire	FWS	Other	
2017	1,181,298	1,379,981	622,168	903,038	2,227	269,792	236,379	30,398	55,034	132,740	4,813,055
2016	355,745	346,461	161,703	316,933	42,812	457,659	174,339	90,065	0	30,783	1,976,500
2015	2,006,724	86,672	329,827	846,613	0	496,782	1,511,026	33,994	25,684	31,648	5,368,970
2014	1,110,274	841,231	254,247	656,076	0	1,141,852	1,340,328	40,133	0	107,754	5,491,895
2013	381,945	43,085	162,432	89,768	4,191	971,391	126,983	2,182	511	0	1,782,488
2012	817,590	125,760	65,316	250,282	3,897	136,251	163,351	15,861	10,938	2,100	1,591,346
2011	279,293	9,077	201,822	255,732	0	94,675	30,056	0	13,749	500	884,904
2010	407,857	48,609	107,723	108,035	12,180	73,568	89,633	7,085	11,660	3,768	870,118
2009	508,612	85,149	15,185	44,007	7,635	289,491	152,651	8,666	0	8,705	1,120,101
2008	810,305	11,742	117,566	39,018	10,140	318,080	137,456	0	0	216,662	1,660,969
2007	819,712	169,084	147,919	205,143	10,900	546,165	113,100	14,734	28,524	24,727	2,080,008
2006	1,739,054	312,591	29,111	299,431	39,359	212,375	126,501	14,330	4,930	2,666	2,780,348
2005	892,422	31,095	71,503	150,232	6,991	649,866	247,887	0	2,558	2,126	2,054,680
2004	204,901	21,755	7,435	0	0	110,606	133,597	2,560	0	2,497	483,351
2003	1,456,671	120,778	229,872	47,001	0	258,883	144,455	8,346	0	7,083	2,273,089
2002	1,484,531	67,050	165,283	92,051	1,795	563,646	274,318	9,375	5,937	27,231	2,691,217
2001	1,562,032	437,467	292,116	525,083	28,617	1,020,414	907,942	45,763	46,308	10,578	4,876,320
2000	1,106,035	194,094	208,633	412,767	0	298,888	384,485	21,133	211,287	59,286	2,896,608
1999	968,764	557,823	200,630	110,937	0	181,950	195,439	45,971	148,204	5,331	2,415,049
1998	964,979	212,763	116,066	245,757	0	110,840	368,496	9,420	88,534	0	2,116,855

Below is a chart showing amount of fire retardant in gallons delivered broken down to last 20 years, last 10 years and last 5 years. Followed by the average amount per year for those increments. Note that while the 20 and 10 year averages stayed consistent there has been an increase in retardant use in the last 5 years.

20 Year	19,058,744	5,102,267	3,506,557	5,597,904	170,744	8,203,174	6,858,422	400,016	653,858	676,185	50,227,871
10 Year	7,859,643	2,977,767	2,037,989	3,509,502	83,082	4,249,541	3,962,202	228,384	117,576	534,660	25,560,346
5 Year	5,035,986	2,697,430	1,530,377	2,812,428	49,230	3,337,476	3,389,055	196,772	81,229	302,925	19,432,908
<b>20 Year Average per Year</b>	<b>2,511,394</b>			<b>10 Year Average per Year</b>			<b>5 Year Average per Year</b>				
	2,511,394			2,556,035			3,886,582				

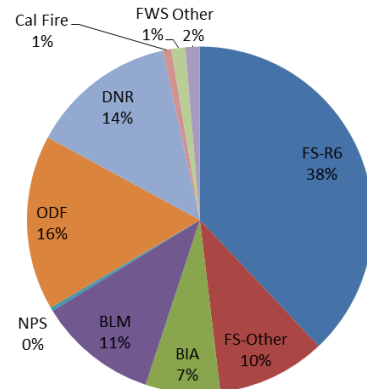


## USFS PACIFIC NORTHWEST REGION LARGE AIRTANKER BASE FIRE RETARDANT USE

The following charts were prepared from the information in the spreadsheets above.

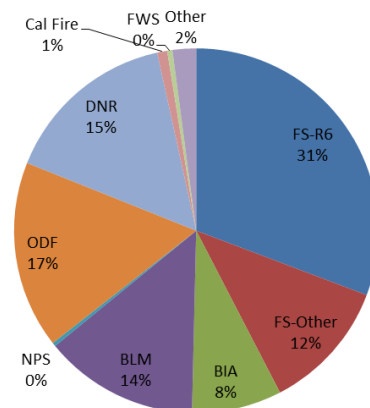
Over the last twenty years 48% of fire retardant delivered from the USFS PNW large airtanker bases went to Forest Service fires. States received over 30% of the retardant delivered.

### PNW 20 Year Average Use By Agency



In the last ten years the average gallons of retardant delivered stayed consistent but a trend toward increased cooperator use and decreased Forest Service use continued with FS use dropping to 43% and States increasing to 33%.

### PNW 10 Year Average Use By Agency



In the last five years the average gallons of retardant delivered has significantly increased but use on Forest Service fires declines again down to 40% while States increase to 35%.

### PNW 5 Year Average Use By Agency

