

**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Washington	Adams	Asotin	Benton	Chelan	Clallam	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	10,930	278	71	542	419	90
	2017	12,102	339	84	631	491	100
acres treated, 2022	3,983,266	382,930	28,363	248,327	19,298	2,104	
	2017	3,777,611	407,241	35,371	242,419	19,099	3,061
Cropland fertilized, except cropland pasture	farms, 2022	9,032	265	59	349	411	72
	2017	9,697	325	57	382	472	61
acres treated, 2022	3,916,220	381,795	27,714	245,424	19,236	1,853	
	2017	3,701,857	406,190	33,780	240,603	18,954	2,398
Pastureland and rangeland fertilized	farms, 2022	2,501	17	18	236	15	31
	2017	3,212	26	34	298	28	45
acres treated, 2022	67,046	1,135	649	2,903	62	251	
	2017	75,754	1,051	1,591	1,816	145	663
Manure	farms, 2022	4,362	31	14	195	36	72
	2017	4,865	31	8	180	27	74
acres treated, 2022	190,055	6,556	112	4,061	158	751	
	2017	197,727	3,682	131	6,961	672	684
Organic fertilizer	farms, 2022	1,553	22	3	58	85	16
	2017	1,614	11	-	75	86	42
acres treated, 2022	75,519	4,038	32	3,086	3,374	42	
	2017	73,978	2,279	-	4,682	3,112	155
Acres treated to control- Insects	farms, 2022	4,625	74	15	215	378	37
	2017	4,854	97	20	339	484	24
acres, 2022	1,125,918	97,948	283	100,046	14,801	538	
	2017	1,491,976	105,147	1,635	137,703	19,177	673
Weeds, grass, or brush	farms, 2022	10,174	295	66	485	355	76
	2017	10,767	353	96	620	451	68
acres, 2022	4,167,583	431,366	34,950	249,593	12,770	1,627	
	2017	4,739,126	504,746	44,148	310,463	16,864	1,597
Nematodes	farms, 2022	1,200	34	6	51	61	4
	2017	785	26	-	36	92	2
acres, 2022	386,553	33,767	48	78,832	1,263	156	
	2017	250,288	12,802	-	42,802	1,850	(D)
Diseases in crops and orchards	farms, 2022	3,103	65	19	147	281	15
	2017	4,004	155	29	187	334	17
acres, 2022	1,106,298	85,583	1,053	115,108	10,044	234	
	2017	1,907,104	185,567	20,945	134,397	13,106	67
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	2,867	64	9	154	339	8
	2017	1,771	29	4	105	294	4
acres on which used, 2022	562,117	32,253	59	64,267	19,982	154	
	2017	353,313	11,743	(D)	25,507	10,119	4
Item	Clark	Columbia	Cowlitz	Douglas	Ferry	Franklin	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	489	172	67	306	22	441
	2017	523	126	87	348	48	497
acres treated, 2022	6,621	109,292	8,677	197,160	1,647	225,531	
	2017	9,855	72,071	8,221	188,221	3,575	214,938
Cropland fertilized, except cropland pasture	farms, 2022	332	150	48	290	12	394
	2017	329	113	57	330	36	438
acres treated, 2022	5,099	108,540	8,351	197,003	253	225,055	
	2017	5,531	70,230	7,015	186,433	1,777	212,368
Pastureland and rangeland fertilized	farms, 2022	186	38	27	19	10	56
	2017	251	33	38	21	12	82
acres treated, 2022	1,522	752	326	157	1,394	476	
	2017	4,324	1,841	1,206	1,788	1,798	2,570
Manure	farms, 2022	281	22	50	29	25	77
	2017	302	19	42	37	37	78
acres treated, 2022	3,284	167	704	2,720	208	9,650	
	2017	3,604	309	816	2,524	237	11,987
Organic fertilizer	farms, 2022	81	4	3	35	1	59
	2017	84	2	16	34	8	48
acres treated, 2022	597	100	3	2,496	(D)	10,636	
	2017	1,605	(D)	326	3,412	63	4,939
Acres treated to control- Insects	farms, 2022	165	49	18	140	4	234
	2017	101	28	19	199	2	290
acres, 2022	2,026	14,221	6,285	28,349	70	117,019	
	2017	2,122	12,220	2,318	38,866	(D)	124,216
Weeds, grass, or brush	farms, 2022	443	176	80	274	32	406
	2017	517	132	86	348	36	447
acres, 2022	7,340	126,980	8,489	207,949	1,139	255,997	
	2017	9,596	91,223	5,771	227,189	1,459	273,779
Nematodes	farms, 2022	39	13	5	26	1	99
	2017	16	1	3	32	-	75
acres, 2022	600	1,732	17	4,733	(D)	53,436	
	2017	248	(D)	(D)	6,668	-	30,197
Diseases in crops and orchards	farms, 2022	95	51	9	91	3	163
	2017	82	38	17	159	1	235
acres, 2022	1,317	44,348	4,657	29,703	69	80,208	
	2017	1,923	52,437	3,324	69,168	(D)	95,141
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	50	8	5	130	6	161
	2017	14	2	3	100	-	116
acres on which used, 2022	602	814	2,994	14,735	72	52,003	
	2017	363	(D)	2,070	6,999	-	19,776

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**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Garfield	Grant	Grays Harbor	Island	Jefferson	King	Kitsap
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	106	797	63	79	39	307	143
..... farms, 2017	120	827	95	90	29	360	132
..... acres treated, 2022	93,047	511,052	2,876	2,189	289	5,378	935
..... acres treated, 2017	86,682	454,844	8,435	2,534	465	5,968	830
Cropland fertilized, except cropland pasture ..... farms, 2022	98	732	39	71	35	217	99
..... farms, 2017	112	770	63	62	23	242	65
..... acres treated, 2022	92,383	508,274	2,367	2,040	204	4,017	620
..... acres treated, 2017	85,360	446,906	7,768	2,094	297	4,820	388
Pastureland and rangeland fertilized ..... farms, 2022	11	98	24	15	5	96	53
..... farms, 2017	17	113	33	32	8	134	72
..... acres treated, 2022	664	2,778	509	149	85	1,361	315
..... acres treated, 2017	1,322	7,938	667	440	168	1,148	442
Manure ..... farms, 2022	9	187	59	58	25	309	112
..... farms, 2017	7	153	76	65	30	365	126
..... acres treated, 2022	76	49,038	828	784	235	5,167	278
..... acres treated, 2017	122	39,459	1,844	852	316	6,980	337
Organic fertilizer ..... farms, 2022	-	82	11	43	17	101	54
..... farms, 2017	1	81	9	47	14	102	40
..... acres treated, 2022	-	21,741	59	187	45	550	110
..... acres treated, 2017	(D)	21,436	(D)	121	259	683	94
Acres treated to control-							
Insects ..... farms, 2022	27	439	33	40	25	134	73
..... farms, 2017	15	500	30	11	4	62	32
..... acres, 2022	11,089	230,266	433	354	129	2,483	486
..... acres, 2017	6,780	280,014	2,241	100	5	933	157
Weeds, grass, or brush ..... farms, 2022	120	658	54	59	29	296	100
..... farms, 2017	126	774	72	51	17	203	56
..... acres, 2022	93,163	479,558	1,804	1,654	184	4,878	800
..... acres, 2017	131,799	573,095	4,645	1,013	153	2,866	297
Nematodes ..... farms, 2022	3	161	11	1	5	21	12
..... farms, 2017	2	128	7	5	-	5	6
..... acres, 2022	(D)	93,497	228	(D)	24	696	58
..... acres, 2017	(D)	70,105	554	11	-	(D)	20
Diseases in crops and orchards ..... farms, 2022	26	308	19	7	16	69	50
..... farms, 2017	68	392	13	20	2	57	21
..... acres, 2022	20,892	132,848	466	32	77	441	259
..... acres, 2017	60,038	217,724	438	296	(D)	633	116
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	2	395	19	-	10	32	17
..... farms, 2017	2	212	5	1	1	15	1
..... acres on which used, 2022	(D)	154,973	222	-	67	554	56
..... acres on which used, 2017	(D)	68,301	52	(D)	(D)	15	(D)
Item	Kititas	Klickitat	Lewis	Lincoln	Mason	Okanogan	Pacific
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	275	231	352	384	52	317	121
..... farms, 2017	385	235	343	413	57	404	112
..... acres treated, 2022	32,745	106,792	19,357	447,244	1,662	46,667	2,286
..... acres treated, 2017	35,316	81,045	12,334	432,505	1,648	42,568	1,953
Cropland fertilized, except cropland pasture ..... farms, 2022	232	198	228	363	39	245	108
..... farms, 2017	282	203	241	395	42	336	96
..... acres treated, 2022	31,584	103,710	16,726	442,304	1,382	37,295	1,905
..... acres treated, 2017	33,336	77,727	9,814	430,502	996	37,764	1,748
Pastureland and rangeland fertilized ..... farms, 2022	67	39	158	28	16	85	19
..... farms, 2017	141	48	149	30	19	90	19
..... acres treated, 2022	1,161	3,082	2,631	4,940	280	9,372	381
..... acres treated, 2017	1,980	3,318	2,520	2,003	652	4,804	205
Manure ..... farms, 2022	108	70	249	21	44	104	40
..... farms, 2017	143	72	345	27	58	130	34
..... acres treated, 2022	1,789	3,642	7,940	(D)	765	7,081	1,598
..... acres treated, 2017	2,889	3,038	10,978	2,341	405	5,361	2,622
Organic fertilizer ..... farms, 2022	35	36	63	3	16	65	8
..... farms, 2017	15	36	77	8	15	83	22
..... acres treated, 2022	812	1,626	2,406	(D)	(D)	1,418	92
..... acres treated, 2017	367	825	4,437	2,741	90	2,735	217
Acres treated to control-							
Insects ..... farms, 2022	87	62	94	62	20	161	87
..... farms, 2017	74	111	65	65	12	223	60
..... acres, 2022	7,788	18,849	9,838	32,101	793	21,929	1,572
..... acres, 2017	11,524	48,175	2,705	48,932	(D)	59,740	1,133
Weeds, grass, or brush ..... farms, 2022	270	175	293	427	49	256	124
..... farms, 2017	348	181	337	437	38	316	92
..... acres, 2022	25,267	100,503	17,902	479,822	1,103	44,527	2,207
..... acres, 2017	30,167	96,413	8,004	520,165	875	89,915	1,771
Nematodes ..... farms, 2022	7	9	22	31	7	42	18
..... farms, 2017	2	9	4	13	3	37	7
..... acres, 2022	365	1,266	2,335	19,429	(D)	1,990	441
..... acres, 2017	(D)	297	827	14,036	3	2,142	168
Diseases in crops and orchards ..... farms, 2022	25	36	58	89	12	122	64
..... farms, 2017	21	53	58	218	12	169	41
..... acres, 2022	652	8,453	9,807	101,651	717	11,047	1,229
..... acres, 2017	264	11,122	1,822	248,944	(D)	22,423	860
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	19	45	31	16	2	170	64
..... farms, 2017	14	19	3	14	5	145	7
..... acres on which used, 2022	1,646	11,080	2,108	2,644	(D)	14,204	877
..... acres on which used, 2017	318	2,844	(D)	4,616	5	11,153	66

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**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish	Spokane
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	31	246	59	307	29	275	759
..... 2017	83	291	63	271	48	300	753
..... acres treated, 2022	3,464	6,260	1,346	45,629	572	18,751	258,968
..... 2017	11,652	6,041	826	44,424	606	15,654	233,145
Cropland fertilized, except cropland pasture ..... farms, 2022	28	130	57	257	25	205	659
..... 2017	71	147	55	209	27	206	603
..... acres treated, 2022	3,190	4,396	1,243	44,111	328	17,974	248,599
..... 2017	11,055	3,053	638	41,487	332	14,781	228,358
Pastureland and rangeland fertilized ..... farms, 2022	5	134	4	73	5	88	155
..... 2017	27	158	16	73	22	108	209
..... acres treated, 2022	274	1,864	103	1,518	244	777	10,369
..... 2017	597	2,988	188	2,937	274	873	4,787
Manure ..... farms, 2022	16	192	29	169	20	247	300
..... 2017	24	260	46	174	35	294	290
..... acres treated, 2022	221	1,689	1,310	7,451	(D)	5,138	4,538
..... 2017	1,033	1,936	409	9,998	236	6,682	5,106
Organic fertilizer ..... farms, 2022	5	43	25	102	9	46	81
..... 2017	5	29	47	67	6	78	52
..... acres treated, 2022	102	1,070	55	1,671	16	291	1,169
..... 2017	100	152	282	2,780	40	1,076	1,375
Acres treated to control-							
Insects ..... farms, 2022	4	85	23	160	13	127	226
..... 2017	4	78	14	110	8	74	209
..... acres, 2022	(D)	3,206	72	28,084	(D)	6,836	32,184
..... 2017	120	803	(D)	25,015	128	5,680	56,112
Weeds, grass, or brush ..... farms, 2022	38	200	36	247	12	284	779
..... 2017	72	238	12	185	43	223	741
..... acres, 2022	1,978	5,304	990	41,858	99	17,487	265,572
..... 2017	5,663	4,267	235	35,776	601	10,152	263,821
Nematodes ..... farms, 2022	-	24	6	43	1	30	58
..... 2017	-	8	1	23	-	15	15
..... acres, 2022	-	2,183	27	14,621	(D)	2,727	4,917
..... 2017	-	49	(D)	5,360	-	1,196	11,106
Diseases in crops and orchards ..... farms, 2022	2	37	16	107	19	71	115
..... 2017	-	34	13	76	9	52	159
..... acres, 2022	(D)	2,398	49	21,609	75	3,592	58,666
..... 2017	-	604	22	17,483	230	4,106	81,666
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	2	26	4	80	9	26	67
..... 2017	-	4	6	19	1	13	46
..... acres on which used, 2022	(D)	2,026	8	16,467	407	2,139	14,296
..... 2017	-	(D)	6	8,130	(D)	674	21,548

  

Item	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	215	265	11	466	429	576	1,099
..... 2017	281	271	21	459	424	635	1,326
..... acres treated, 2022	20,860	5,045	253	274,773	34,595	618,708	191,573
..... 2017	20,371	5,755	576	248,251	34,089	577,573	207,449
Cropland fertilized, except cropland pasture ..... farms, 2022	168	172	5	392	375	545	928
..... 2017	230	162	16	370	351	594	1,124
..... acres treated, 2022	16,659	3,811	110	272,291	34,044	616,130	188,200
..... 2017	18,057	3,836	319	246,280	33,030	576,168	199,664
Pastureland and rangeland fertilized ..... farms, 2022	66	115	7	110	83	43	246
..... 2017	87	135	6	135	88	63	312
..... acres treated, 2022	4,201	1,234	143	2,482	551	2,578	3,773
..... 2017	2,314	1,919	257	1,971	1,059	1,405	7,785
Manure ..... farms, 2022	130	213	4	103	339	54	319
..... 2017	164	230	17	99	388	48	330
..... acres treated, 2022	3,366	4,616	86	4,369	15,271	511	32,060
..... 2017	2,679	4,388	515	5,341	24,803	1,033	24,417
Organic fertilizer ..... farms, 2022	25	61	-	53	65	4	133
..... 2017	53	81	13	28	58	1	140
..... acres treated, 2022	389	436	-	4,648	941	4	10,402
..... 2017	828	1,202	(D)	1,818	352	(D)	7,514
Acres treated to control-							
Insects ..... farms, 2022	27	99	5	153	257	146	627
..... 2017	47	48	8	150	203	210	824
..... acres, 2022	625	1,675	5	65,837	21,405	139,262	106,530
..... 2017	985	979	27	96,808	21,994	212,163	163,764
Weeds, grass, or brush ..... farms, 2022	235	208	15	513	380	618	1,011
..... 2017	233	159	23	445	306	673	1,212
..... acres, 2022	20,033	4,358	187	335,805	32,686	669,986	179,668
..... 2017	15,618	4,495	279	359,761	28,654	844,895	216,896
Nematodes ..... farms, 2022	6	17	2	45	113	35	131
..... 2017	2	9	-	19	51	23	106
..... acres, 2022	46	73	(D)	24,379	7,537	17,073	16,610
..... 2017	(D)	9	-	11,731	2,657	12,364	17,995
Diseases in crops and orchards ..... farms, 2022	16	33	3	130	167	180	367
..... 2017	28	25	5	185	131	368	520
..... acres, 2022	211	750	(D)	81,453	17,282	208,095	51,218
..... 2017	596	407	15	157,003	13,776	408,149	82,209
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	6	24	-	82	147	46	592
..... 2017	4	4	-	39	37	98	385
..... acres on which used, 2022	120	121	-	33,400	11,259	25,763	79,148
..... 2017	(D)	9	-	25,962	2,866	65,402	58,315