

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	County								
	Washington	Adams	Asotin	Benton	Chelan	Clallam	Clark	Columbia	
Commercial fertilizer ----- farms, 1987 ..	18 030	534	82	606	1 248	137	504	162	
	1982..	18 911	576	91	576	1 139	641	171	
	acres on which used, 1987 ..	3 893 955	377 565	27 686	214 913	28 519	8 692	19 930	102 981
	1982..	4 482 028	431 074	42 095	240 407	27 256	3 345	21 742	101 812
Cropland fertilized, except pastureland ----- farms, 1987 ..	16 383	520	81	499	1 227	122	413	162	
	1982..	17 071	564	83	483	1 121	70	502	171
	acres on which used, 1987 ..	3 813 267	375 502	(D)	213 179	28 364	6 176	17 356	102 667
	1982..	4 392 326	427 289	41 446	235 382	26 988	2 956	18 949	(D)
Pastureland and rangeland fertilized ----- farms, 1987 ..	2 990	34	3	151	47	53	145	22	
	1982..	3 333	51	15	150	53	211	9	
	acres on which used, 1987 ..	80 688	2 063	(D)	1 734	155	2 516	2 574	314
	1982..	89 702	3 791	647	5 025	268	389	2 793	(D)
Lime ----- farms, 1987 ..	1 546	1	-	15	247	9	82	-	
	1982..	1 459	2	-	2	149	79	-	
	acres on which used, 1987 ..	49 707	(D)	-	718	5 152	126	794	
	1982..	41 942	(D)	-	(D)	2 542	87	756	
Sprays, dusts, granules, fumigants, etc., to control ----- farms, 1987 ..	9 486	205	48	390	1 165	32	170	88	
	1982..	8 827	181	22	322	1 037	21	135	51
	acres on which used, 1987 ..	1 007 286	61 772	3 829	58 955	25 659	1 163	4 403	20 298
	1982..	1 082 099	81 267	3 568	57 770	23 937	963	3 606	17 233
Nematodes in crops ----- farms, 1987 ..	821	37	2	35	105	10	16	-	
	1982..	653	35	-	20	2	18	6	
	acres on which used, 1987 ..	122 068	15 518	(D)	16 223	1 621	37	265	
	1982..	82 156	9 817	-	2 628	408	(D)	297	330
Diseases in crops and orchards ----- farms, 1987 ..	5 253	95	24	292	770	24	120	13	
	1982..	4 758	54	19	176	695	3	135	38
	acres on which used, 1987 ..	418 882	24 376	1 652	38 457	15 103	586	2 682	13 095
	1982..	431 312	17 412	393	33 743	10 472	(D)	2 808	20 338
Weeds, grass, or brush in crops and pasture ----- farms, 1987 ..	14 385	461	77	463	743	95	588	133	
	1982..	13 550	484	73	345	613	38	623	175
	acres on which used, 1987 ..	3 203 927	306 877	33 452	166 098	15 536	5 247	18 082	87 738
	1982..	3 530 230	347 883	36 402	202 161	15 355	1 580	17 113	103 369
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987 ..	3 595	58	7	114	756	2	23	11	
	1982..	3 799	69	2	102	652	1	83	7
	acres on which used, 1987 ..	242 479	19 330	59	15 112	14 802	(D)	838	3 533
	1982..	234 982	15 067	(D)	15 180	13 824	(D)	1 559	802
Chemicals used	County								
	Cowlitz	Douglas	Ferry	Franklin	Garfield	Grant	Grays Harbor	Island	
Commercial fertilizer ----- farms, 1987 ..	152	790	22	668	187	1 325	190	88	
	1982..	106	827	89	673	1 178	1 390	188	118
	acres on which used, 1987 ..	6 414	211 602	1 638	257 265	91 833	400 069	8 472	3 663
	1982..	5 944	237 843	7 376	274 964	116 037	509 378	7 334	6 097
Cropland fertilized, except pastureland ----- farms, 1987 ..	117	773	22	651	183	1 259	173	72	
	1982..	70	795	89	653	174	1 298	151	78
	acres on which used, 1987 ..	4 538	(D)	1 638	252 610	89 567	395 056	7 520	3 233
	1982..	4 492	237 031	(D)	268 104	115 216	502 964	5 685	4 841
Pastureland and rangeland fertilized ----- farms, 1987 ..	56	39	-	62	13	171	58	21	
	1982..	49	41	5	71	13	220	54	
	acres on which used, 1987 ..	1 876	(D)	-	4 655	2 266	5 013	952	430
	1982..	1 452	812	(D)	6 860	821	6 414	1 649	1 256
Lime ----- farms, 1987 ..	8	63	-	19	-	2	21	6	
	1982..	20	37	-	1	-	42	34	
	acres on which used, 1987 ..	226	1 349	-	3 417	(D)	313	(D)	
	1982..	388	738	-	(D)	-	735	590	
Sprays, dusts, granules, fumigants, etc., to control ----- farms, 1987 ..	27	517	-	556	43	780	37	20	
	1982..	20	538	-	378	31	672	84	18
	acres on which used, 1987 ..	661	20 871	-	134 741	10 026	181 440	1 776	673
	1982..	982	24 442	-	106 932	10 934	170 178	1 574	477
Nematodes in crops ----- farms, 1987 ..	10	25	-	160	-	125	6	1	
	1982..	2	22	-	85	135	-	-	
	acres on which used, 1987 ..	382	763	-	37 220	-	26 007	65	(D)
	1982..	(D)	761	-	21 206	-	20 936	-	-
Diseases in crops and orchards ----- farms, 1987 ..	26	278	-	283	28	320	30	6	
	1982..	20	372	-	114	28	303	41	14
	acres on which used, 1987 ..	300	9 973	-	57 625	3 617	41 365	264	12
	1982..	338	12 945	-	35 695	11 809	40 831	186	253
Weeds, grass, or brush in crops and pasture ----- farms, 1987 ..	205	553	59	528	147	1 205	158	34	
	1982..	220	468	38	530	177	1 101	157	36
	acres on which used, 1987 ..	6 721	214 397	2 653	195 016	73 336	306 304	5 664	1 209
	1982..	8 045	189 503	6 162	197 927	103 677	360 245	4 839	2 476
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987 ..	16	288	6	137	5	254	20	-	
	1982..	1	385	-	117	10	283	27	-
	acres on which used, 1987 ..	275	12 229	6	19 419	254	28 521	858	-
	1982..	(D)	12 657	-	14 862	236	34 355	985	-

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text.]

Chemicals used	Jefferson	King	Kitsap	Kittitas	Klickitat	Lewis	Lincoln	Mason
Commercial fertilizer ----- farms, 1987..	40	333	100	390	230	358	647	44
1982..	40	360	125	353	324	444	597	58
acres on which used, 1987..	967	7 176	524	51 458	59 349	20 287	439 527	1 303
1982..	1 057	10 683	710	47 731	86 375	26 398	450 373	2 481
Cropland fertilized, except pastureland ----- farms, 1987..	27	219	66	358	223	264	645	33
1982..	32	191	70	332	308	320	592	41
acres on which used, 1987..	556	4 656	268	48 566	58 685	16 322	438 266	1 191
1982..	742	7 761	162	44 883	84 451	21 637	449 359	1 888
Pastureland and rangeland fertilized ----- farms, 1987..	18	126	39	95	12	155	23	13
1982..	14	187	67	71	32	194	18	21
acres on which used, 1987..	411	2 520	256	2 892	664	3 965	1 261	112
1982..	315	2 922	548	2 848	1 924	4 761	1 014	593
Lime ----- farms, 1987..	1	82	41	5	13	59	-	9
1982..	-	107	27	1	17	74	-	11
acres on which used, 1987..	(D)	944	71	5	939	1 471	-	60
1982..	-	1 295	163	(D)	1 140	2 564	-	31
tons, 1987..	(D)	1 231	63	20	2 425	2 790	-	78
1982..	-	1 585	60	(D)	474	3 811	-	35
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	11	105	25	109	75	85	49	13
1982..	4	131	36	58	76	64	61	6
acres on which used, 1987..	64	1 487	78	11 419	9 456	3 137	13 408	86
1982..	(D)	1 918	184	8 926	11 005	7 408	21 698	127
Nematodes in crops ----- farms, 1987..	2	12	-	-	7	2	1	-
1982..	2	2	1	-	-	6	1	-
acres on which used, 1987..	(D)	26	-	-	238	(D)	(D)	-
1982..	(D)	(D)	(D)	-	-	334	(D)	-
Diseases in crops and orchards ----- farms, 1987..	2	69	16	39	51	36	85	8
1982..	2	63	18	7	58	32	32	3
acres on which used, 1987..	(D)	590	16	1 760	7 108	761	24 031	32
1982..	(D)	908	157	69	5 312	614	8 742	7
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	21	294	78	312	164	302	660	37
1982..	19	250	71	266	160	452	558	56
acres on which used, 1987..	435	4 635	321	23 152	54 890	11 793	393 500	937
1982..	320	6 058	1 228	23 002	58 921	23 908	369 467	1 141
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	2	28	6	43	8	24	42	-
1982..	2	27	1	25	5	9	20	1
acres on which used, 1987..	(D)	152	12	2 084	5 332	79	2 963	-
1982..	(D)	118	(D)	794	(D)	450	10 354	(D)

  

Chemicals used	Okanogan	Pacific	Pend Oreille	Pierce	San Juan	Skagit	Skamania	Snohomish
Commercial fertilizer ----- farms, 1987..	927	151	111	401	40	371	29	444
1982..	986	151	75	396	54	433	27	528
acres on which used, 1987..	48 999	4 230	5 229	10 908	2 294	50 905	1 856	21 146
1982..	39 950	4 839	4 530	9 343	2 172	57 172	645	26 431
Cropland fertilized, except pastureland ----- farms, 1987..	889	131	98	334	30	315	27	313
1982..	965	142	58	286	39	391	20	403
acres on which used, 1987..	47 685	2 908	4 570	8 798	1 200	48 573	1 505	17 974
1982..	38 466	3 635	4 117	5 999	1 673	53 214	462	22 012
Pastureland and rangeland fertilized ----- farms, 1987..	81	28	39	106	18	73	9	155
1982..	109	35	25	121	20	121	13	178
acres on which used, 1987..	1 314	1 322	659	2 110	1 094	2 332	351	3 172
1982..	1 484	1 204	413	3 344	499	3 958	183	4 419
Lime ----- farms, 1987..	78	28	-	54	5	98	7	116
1982..	36	26	-	73	5	175	4	150
acres on which used, 1987..	1 603	314	-	1 297	49	5 849	145	2 612
1982..	495	678	-	1 082	68	8 852	15	3 835
tons, 1987..	1 953	658	-	1 867	53	9 022	(D)	3 784
1982..	905	1 210	-	1 658	77	12 942	(D)	5 988
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	649	98	-	191	11	184	9	132
1982..	775	88	15	179	4	209	5	121
acres on which used, 1987..	27 080	1 244	-	3 583	91	25 777	414	5 784
1982..	24 563	1 162	60	3 186	8	29 257	265	7 321
Nematodes in crops ----- farms, 1987..	23	-	-	27	-	15	-	35
1982..	19	7	-	53	-	20	-	15
acres on which used, 1987..	321	-	-	613	-	920	-	506
1982..	392	182	-	778	-	1 744	-	644
Diseases in crops and orchards ----- farms, 1987..	507	37	5	106	8	86	6	78
1982..	498	82	15	79	7	89	5	35
acres on which used, 1987..	20 596	340	(D)	2 609	108	6 359	311	1 407
1982..	14 168	942	55	1 434	11	5 475	31	242
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	601	121	30	372	8	350	22	378
1982..	546	194	53	408	2	276	19	296
acres on which used, 1987..	41 862	2 763	1 322	8 107	180	35 011	782	12 456
1982..	24 254	7 443	790	8 373	(D)	34 526	(D)	10 081
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	434	7	-	37	-	34	8	47
1982..	595	-	-	20	-	30	5	10
acres on which used, 1987..	18 456	35	-	331	-	2 312	159	881
1982..	18 158	-	-	129	-	2 444	48	110

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Chemicals used	Spokane	Stevens	Thurston	Wahkiakum	Walla Walla	Whatcom	Whitman	Yakima
Commercial fertilizer ----- farms, 1987..	988	433	211	34	575	755	1 057	2 666
1982..	1 088	390	243	33	597	840	1 086	2 828
acres on which used, 1987..	226 583	33 666	5 346	2 071	230 113	52 959	650 832	204 985
1982..	272 876	42 418	6 948	1 583	358 774	53 895	705 937	236 003
Cropland fertilized, except pastureland ----- farms, 1987..	915	401	102	17	523	632	1 032	2 515
1982..	1 023	365	176	18	538	709	1 044	2 706
acres on which used, 1987..	224 288	30 810	2 527	981	228 655	46 130	646 484	197 261
1982..	268 817	41 594	4 999	876	357 478	47 764	700 910	231 212
Pastureland and rangeland fertilized ----- farms, 1987..	139	83	125	23	99	282	61	313
1982..	183	48	89	20	84	273	106	276
acres on which used, 1987..	2 295	2 856	2 819	1 090	1 458	6 829	4 348	7 724
1982..	4 059	824	1 949	707	1 296	6 131	5 027	4 791
Lime ----- farms, 1987..	60	42	28	3	18	146	11	169
1982..	24	31	41	3	2	143	1	126
acres on which used, 1987..	1 960	1 310	583	45	1 385	2 942	5 631	7 008
1982..	2 896	1 192	893	40	(D)	3 378	(D)	3 349
tons, 1987..	2 798	1 567	223	90	2 389	4 811	15 492	6 578
1982..	2 864	1 352	1 379	55	(D)	4 764	(D)	4 090
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	325	80	46	8	273	193	475	2 262
1982..	271	35	46	2	293	164	380	2 294
acres on which used, 1987..	48 603	1 774	312	216	68 726	10 275	115 956	132 049
1982..	33 106	956	945	(D)	104 494	12 936	168 892	139 597
Nematodes in crops ----- farms, 1987..	-	13	2	-	20	23	12	95
1982..	3	-	1	-	34	35	13	96
acres on which used, 1987..	-	1 282	(D)	-	10 783	978	3 051	4 627
1982..	(D)	-	(D)	-	4 129	605	8 830	3 685
Diseases in crops and orchards ----- farms, 1987..	87	36	18	10	118	95	225	1 216
1982..	176	31	14	-	126	100	196	1 078
acres on which used, 1987..	4 723	1 000	375	56	29 221	3 117	57 506	47 742
1982..	17 784	184	503	-	68 038	3 157	69 802	46 183
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	732	380	343	54	518	303	994	1 842
1982..	740	217	327	51	517	303	930	1 761
acres on which used, 1987..	179 273	23 548	6 951	1 148	221 658	15 660	594 595	130 618
1982..	232 627	20 257	8 511	2 104	280 944	17 788	661 495	139 908
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	37	26	5	-	102	55	41	912
1982..	29	18	10	-	110	54	64	1 025
acres on which used, 1987..	1 123	540	25	-	34 258	2 195	12 331	43 887
1982..	770	2 314	151	-	25 560	2 513	10 506	48 105