

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	Pennsylvania							
	Pennsylvania	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	
Commercial fertilizer ----- farms, 1987..	37 209	859	254	531	393	823	1 359	
	1982..	39 890	939	232	495	827	1 401	
	acres on which used, 1987..	2 885 071	90 743	7 579	32 886	14 644	67 559	138 744
	1982..	3 049 803	98 225	6 631	28 369	17 166	62 461	151 361
Cropland fertilized, except pastureland ----- farms, 1987..	36 346	835	230	510	393	789	1 335	
	1982..	39 078	922	224	486	433	817	1 394
	acres on which used, 1987..	2 773 304	87 824	7 399	30 835	14 231	63 429	135 959
	1982..	2 932 344	94 479	5 517	26 858	16 848	58 073	146 833
Pastureland and rangeland fertilized ----- farms, 1987..	5 772	127	36	121	55	139	130	
	1982..	6 042	125	52	87	46	142	
	acres on which used, 1987..	111 767	2 918	180	2 051	413	4 130	2 785
	1982..	117 459	3 746	1 114	1 511	318	4 388	4 528
Lime ----- farms, 1987..	17 151	273	101	265	231	363	732	
	1982..	20 343	394	133	313	245	436	
	acres on which used, 1987..	566 541	13 561	2 174	9 075	4 966	12 633	25 155
	1982..	732 921	19 498	1 958	8 606	4 617	17 408	30 274
Sprays, dusts, granules, fumigants, etc., to control--	917 079	18 975	4 757	16 615	8 357	21 100	43 521	
	1982..	1 201 645	31 797	4 074	19 026	7 996	28 137	53 364
	Insects on hay and other crops ----- farms, 1987..	17 426	342	87	161	129	441	862
	1982..	15 695	360	93	92	114	311	750
Nematodes in crops ----- farms, 1987..	958 205	31 244	2 682	9 628	4 270	25 464	52 106	
	1982..	962 753	33 457	1 833	7 336	3 399	25 063	57 508
	acres on which used, 1987..	1 923	63	2	8	2	43	145
	1982..	1 831	51	8	1	15	39	133
Diseases in crops and orchards ----- farms, 1987..	107 576	3 180	(D)	44	(D)	2 403	11 206	
	1982..	123 311	1 815	72	(D)	1 958	10 590	
	acres on which used, 1987..	4 553	200	60	27	80	45	186
	1982..	4 258	162	61	34	53	49	161
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	132 346	20 095	477	1 031	720	1 382	4 275	
	1982..	135 556	20 724	446	719	327	2 524	3 278
	acres on which used, 1987..	26 545	632	167	355	296	566	1 050
	1982..	26 966	631	149	317	220	597	1 059
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	1 643 561	54 417	5 359	15 430	10 155	32 377	73 882	
	1982..	1 741 114	67 062	3 900	19 918	8 163	28 574	75 015
	acres on which used, 1987..	1 859	134	2	3	14	30	61
	1982..	1 739	89	2	1	11	26	37
Chemicals used	62 543	8 308	(D)	(D)	145	957	1 730	
	1982..	75 703	5 258	(D)	(D)	1 397	641	
	Blair	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	
	Commercial fertilizer ----- farms, 1987..	395	971	569	809	438	16	147
1982..	393	865	727	925	443	16	154	
acres on which used, 1987..	35 926	78 404	48 678	45 714	23 774	410	7 934	
1982..	40 265	70 568	64 479	47 430	25 862	322	9 697	
Cropland fertilized, except pastureland ----- farms, 1987..	382	962	538	802	438	15	147	
	1982..	376	879	713	898	431	15	150
	acres on which used, 1987..	35 368	76 235	46 935	44 808	23 448	374	7 878
	1982..	38 793	66 158	63 180	45 864	25 424	289	9 520
Pastureland and rangeland fertilized ----- farms, 1987..	33	104	109	61	46	7	7	
	1982..	63	140	101	116	40	5	16
	acres on which used, 1987..	558	2 169	1 743	906	326	36	56
	1982..	1 472	4 410	1 299	1 566	438	33	177
Lime ----- farms, 1987..	184	532	232	424	230	2	69	
	1982..	213	564	343	514	179	8	79
	acres on which used, 1987..	7 336	18 056	7 270	9 308	6 200	(D)	1 253
	1982..	8 926	19 815	16 334	13 260	5 986	116	3 515
Sprays, dusts, granules, fumigants, etc., to control--	10 441	26 754	12 654	15 986	11 072	(D)	2 886	
	1982..	13 050	30 392	26 894	22 090	12 009	139	5 828
	Insects on hay and other crops ----- farms, 1987..	235	199	269	302	156	4	64
	1982..	230	141	324	217	159	2	43
Nematodes in crops ----- farms, 1987..	21 416	8 815	15 283	14 360	7 127	14	2 265	
	1982..	22 989	9 788	18 525	10 493	8 596	(D)	1 753
	acres on which used, 1987..	23	41	41	12	12	-	11
	1982..	17	22	37	18	11	-	9
Diseases in crops and orchards ----- farms, 1987..	1 392	1 607	1 944	553	797	-	255	
	1982..	676	917	2 558	1 640	947	-	156
	acres on which used, 1987..	23	25	131	101	51	1	21
	1982..	13	19	130	77	38	-	22
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	1 849	951	3 210	1 588	2 966	(D)	702	
	1982..	1 029	681	3 757	1 794	1 665	-	523
	acres on which used, 1987..	274	707	429	613	390	4	113
	1982..	287	563	444	591	290	4	79
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	19 004	38 046	29 201	25 659	19 627	(D)	4 848	
	1982..	22 694	29 695	42 315	27 942	18 011	(D)	6 142
	acres on which used, 1987..	8	18	20	37	22	-	25
	1982..	5	14	42	39	33	-	12
Chemicals used	634	929	320	1 400	1 563	-	262	
	1982..	596	1 150	1 706	1 966	2 665	-	24

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

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Chemicals used	County							
	Centre	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	
Commercial fertilizer ----- farms, 1987..	668	1 122	406	263	228	584	886	
	1982..	636	1 146	453	270	713	1 097	
	acres on which used, 1987..	64 999	98 055	27 014	12 694	21 128	54 852	62 460
	1982..	62 448	108 201	26 872	10 265	21 291	59 286	73 021
Cropland fertilized, except pastureland ----- farms, 1987..	627	1 060	383	241	228	559	878	
	1982..	629	1 059	426	262	195	705	1 083
	acres on which used, 1987..	61 227	93 471	25 569	10 943	20 143	53 135	60 151
	1982..	59 667	101 689	24 809	10 023	20 612	58 274	69 919
Pastureland and rangeland fertilized ----- farms, 1987..	171	204	106	94	26	109	102	
	1982..	130	265	114	23	36	63	109
	acres on which used, 1987..	3 772	4 584	1 445	1 751	985	1 717	2 309
	1982..	2 781	6 512	2 063	242	679	1 012	3 102
Lime ----- farms, 1987..	296	558	157	164	97	316	363	
	1982..	357	596	151	168	93	301	597
	acres on which used, 1987..	10 913	22 972	6 097	5 686	3 560	11 913	15 960
	1982..	14 069	26 298	5 153	4 338	4 861	12 342	20 113
tons, 1987..	17 845	33 146	9 976	9 537	5 733	18 345	24 293	
1982..	21 926	36 941	9 768	7 323	8 758	17 400	35 472	
Sprays, dusts, granules, fumigants, etc., to control—								
	Insects on hay and other crops ----- farms, 1987..	371	761	53	86	164	314	250
	1982..	328	678	63	82	106	189	143
	acres on which used, 1987..	27 989	38 166	2 383	2 948	13 432	17 129	9 204
1982..	22 465	44 493	3 337	2 082	10 347	10 692	8 531	
Nematodes in crops ----- farms, 1987..	45	111	6	13	27	11	26	
	1982..	39	126	8	2	2	17	
	acres on which used, 1987..	2 147	3 961	715	537	1 803	791	358
	1982..	1 761	6 947	838	(D)	(D)	934	455
Diseases in crops and orchards ----- farms, 1987..	72	184	11	36	71	88	26	
	1982..	54	139	2	2	22	86	32
	acres on which used, 1987..	1 930	1 925	1 205	864	1 524	3 025	277
	1982..	2 415	3 575	(D)	(D)	365	1 520	296
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	484	680	283	161	182	420	655	
	1982..	425	776	246	189	172	487	766
	acres on which used, 1987..	36 732	52 503	18 892	6 939	12 134	30 619	41 279
	1982..	32 069	62 673	18 180	7 324	13 538	38 961	45 975
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	47	50	3	29	6	32	3	
	1982..	34	24	42	2	11	23	
	acres on which used, 1987..	1 572	1 013	277	801	265	920	324
	1982..	2 591	2 444	1 019	(D)	292	777	536

Chemicals used	County							
	Cumberland	Dauphin	Delaware	Elk	Erie	Fayette	Forest	
Commercial fertilizer ----- farms, 1987..	857	537	38	116	984	566	26	
	1982..	878	605	47	107	599	29	
	acres on which used, 1987..	80 522	53 006	2 389	3 522	61 298	19 575	654
	1982..	82 823	62 167	2 077	3 009	65 461	30 067	1 252
Cropland fertilized, except pastureland ----- farms, 1987..	826	536	36	116	971	546	25	
	1982..	872	598	44	102	1 383	28	
	acres on which used, 1987..	77 657	51 566	(D)	3 301	59 616	18 711	602
	1982..	79 108	60 819	1 984	2 711	64 558	27 280	1 170
Pastureland and rangeland fertilized ----- farms, 1987..	140	84	2	20	89	75	7	
	1982..	136	80	7	15	69	7	
	acres on which used, 1987..	2 865	1 440	(D)	221	1 682	864	52
	1982..	3 715	1 348	93	298	903	2 787	82
Lime ----- farms, 1987..	340	229	10	42	407	268	7	
	1982..	469	274	18	41	480	274	13
	acres on which used, 1987..	11 272	8 546	229	980	13 867	5 406	(D)
	1982..	17 495	11 210	666	622	17 519	10 495	259
tons, 1987..	17 914	11 857	278	2 016	18 570	9 286	284	
1982..	30 158	18 168	672	1 131	26 490	17 031	469	
Sprays, dusts, granules, fumigants, etc., to control—								
	Insects on hay and other crops ----- farms, 1987..	464	245	24	12	480	160	1
	1982..	349	226	35	23	540	124	2
	acres on which used, 1987..	24 367	14 200	1 839	161	23 125	7 195	(D)
1982..	25 564	17 735	695	581	25 677	5 604	(D)	
Nematodes in crops ----- farms, 1987..	36	14	4	3	22	2	1	
	1982..	57	42	1	2	24	-	
	acres on which used, 1987..	4 845	1 623	482	33	1 431	(D)	(D)
	1982..	6 016	3 006	(D)	(D)	2 008	1 075	-
Diseases in crops and orchards ----- farms, 1987..	105	61	13	6	321	18	-	
	1982..	92	26	16	9	402	15	2
	acres on which used, 1987..	3 458	1 208	63	14	13 572	54	-
	1982..	3 700	1 886	347	37	14 824	90	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	628	378	24	53	690	316	19	
	1982..	677	390	29	49	871	277	15
	acres on which used, 1987..	41 781	31 945	1 836	1 757	41 710	9 506	(D)
	1982..	47 721	37 451	1 129	1 429	47 012	14 613	707
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	24	31	2	3	95	19	1	
	1982..	75	21	4	-	78	9	2
	acres on which used, 1987..	1 577	996	(D)	6	2 583	145	(D)
	1982..	4 393	713	(D)	-	4 305	149	(D)

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Chemicals used	Counties								
	Franklin	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna	
Commercial fertilizer ----- farms, 1987--	1 175	406	303	449	613	353	420	163	
	1982--	1 271	390	291	519	698	499	212	
	acres on which used, 1987--	146 257	30 205	7 791	43 884	47 022	21 558	34 929	9 465
	1982--	138 462	26 028	9 891	45 330	45 616	20 738	32 063	11 060
Cropland fertilized, except pastureland ----- farms, 1987--	1 144	399	295	435	612	346	419	162	
	1982--	1 254	384	243	512	677	313	498	211
	acres on which used, 1987--	137 617	28 328	7 132	41 518	44 863	20 506	34 229	9 161
	1982--	133 318	24 321	8 089	43 319	42 508	19 069	30 987	10 499
Pastureland and rangeland fertilized ----- farms, 1987--	320	87	20	56	143	66	65	19	
	1982--	192	95	89	111	135	109	75	
	acres on which used, 1987--	8 640	1 877	659	2 366	2 159	1 052	700	304
	1982--	5 144	1 707	1 802	2 011	3 108	1 669	1 076	561
Lime ----- farms, 1987--	500	203	106	206	394	188	188	78	
	1982--	661	221	158	253	481	179	269	117
	acres on which used, 1987--	22 046	9 340	1 984	7 204	15 696	8 395	4 770	3 543
	1982--	36 422	6 494	3 104	9 911	15 858	7 705	8 512	5 157
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	30 371	15 247	3 094	11 693	26 802	15 400	7 892	5 419
	1982--	52 721	8 783	7 815	16 977	29 952	14 500	16 638	9 863
	Insects on hay and other crops ----- farms, 1987--	817	188	48	226	245	64	184	68
		1982--	705	118	46	232	215	47	136
acres on which used, 1987--		65 833	9 357	1 149	21 245	15 021	1 420	7 106	3 132
1982--		62 564	7 459	789	17 433	9 991	1 647	7 570	3 798
Nematodes in crops ----- farms, 1987--	76	25	2	28	35	3	9	15	
	1982--	89	-	16	24	24	3	28	
	acres on which used, 1987--	5 282	933	(D)	2 213	1 618	135	814	348
	1982--	8 059	-	484	1 559	1 040	(D)	1 617	40
Diseases in crops and orchards ----- farms, 1987--	73	20	13	23	61	21	33	28	
	1982--	92	12	9	20	57	2	29	
	acres on which used, 1987--	9 111	59	47	414	3 515	224	1 114	1 363
	1982--	8 665	138	18	224	1 750	(D)	656	1 902
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	830	233	159	316	383	244	284	99	
	1982--	892	276	108	320	467	227	338	115
	acres on which used, 1987--	74 415	9 775	4 388	20 399	25 731	12 370	16 361	5 786
	1982--	73 850	12 330	3 000	19 581	26 009	12 239	17 379	6 557
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	74	30	1	26	33	2	21	15	
	1982--	94	6	24	10	31	18	51	27
	acres on which used, 1987--	4 932	584	(D)	851	771	(D)	2 298	113
	1982--	4 515	330	324	2 281	753	752	2 295	282

Chemicals used	Counties								
	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean	Mercer	
Commercial fertilizer ----- farms, 1987--	3 893	546	683	458	320	727	126	979	
	1982--	4 198	601	741	450	718	109	1 058	
	acres on which used, 1987--	245 858	36 214	71 197	60 638	19 388	52 301	3 842	55 142
	1982--	273 843	40 062	72 446	58 614	26 699	53 724	4 147	58 712
Cropland fertilized, except pastureland ----- farms, 1987--	3 877	545	667	457	320	727	120	962	
	1982--	4 165	596	718	450	390	712	99	1 057
	acres on which used, 1987--	236 626	35 706	68 582	60 106	19 052	50 224	3 222	53 593
	1982--	263 772	39 244	70 439	58 413	26 136	52 114	3 248	57 289
Pastureland and rangeland fertilized ----- farms, 1987--	712	48	115	16	23	72	33	87	
	1982--	750	62	146	17	43	47	96	
	acres on which used, 1987--	9 232	508	2 615	532	336	2 077	620	1 549
	1982--	10 071	818	2 007	201	563	1 610	899	1 423
Lime ----- farms, 1987--	1 739	302	307	164	116	285	55	424	
	1982--	2 144	293	350	183	262	381	81	666
	acres on which used, 1987--	40 094	6 584	9 284	11 350	4 239	10 811	673	12 081
	1982--	63 430	7 630	14 744	9 081	9 321	11 215	1 127	20 832
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	60 335	10 283	14 837	25 261	6 730	18 612	1 745	23 073
	1982--	90 209	13 756	21 457	15 468	14 237	18 336	2 335	36 607
	Insects on hay and other crops ----- farms, 1987--	2 858	219	414	291	200	285	19	270
		1982--	3 009	185	432	295	171	258	1
acres on which used, 1987--		113 299	8 018	21 429	28 208	8 509	19 472	369	9 715
1982--		124 087	11 117	26 499	20 923	8 786	19 094	(D)	7 619
Nematodes in crops ----- farms, 1987--	241	15	86	43	14	37	-	30	
	1982--	276	13	58	19	5	45	-	18
	acres on which used, 1987--	9 601	760	4 686	4 113	1 462	2 621	-	1 343
	1982--	17 791	287	4 405	3 579	743	2 846	-	543
Diseases in crops and orchards ----- farms, 1987--	684	32	56	95	80	83	-	39	
	1982--	726	19	113	105	65	71	-	19
	acres on which used, 1987--	9 203	291	1 485	4 707	2 606	1 483	-	562
	1982--	9 518	533	1 764	4 502	2 290	2 078	-	322
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	2 965	446	622	316	215	544	66	668	
	1982--	3 022	445	542	303	276	517	20	847
	acres on which used, 1987--	156 352	23 109	48 269	31 468	11 545	28 486	1 737	33 975
	1982--	168 937	22 975	40 412	38 331	15 311	30 610	767	40 074
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	268	22	13	46	23	26	-	2	
	1982--	246	21	9	11	29	32	-	2
	acres on which used, 1987--	4 678	180	463	2 451	2 095	471	-	(D)
	1982--	5 145	641	200	2 058	895	673	-	(D)

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	County								
	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland	Perry	Philadelphia	
Commercial fertilizer ----- farms, 1987--	493	122	408	234	400	535	397	4	
	1982--	546	149	461	226	419	649	559	
	acres on which used, 1987--	35 574	10 621	30 137	26 760	55 461	65 095	39 308	12
	1982--	40 159	11 919	37 245	22 639	70 748	68 908	47 940	(D)
Cropland fertilized, except pastureland ----- farms, 1987--	492	122	391	228	398	529	388	4	
	1982--	546	139	417	226	419	610	559	
	acres on which used, 1987--	33 265	10 207	29 128	26 384	54 885	64 052	37 062	12
	1982--	37 662	11 655	35 763	22 467	70 170	65 820	46 662	(D)
Pastureland and rangeland fertilized ----- farms, 1987--	138	24	44	22	17	73	113	-	
	1982--	135	24	110	20	34	151	68	1
	acres on which used, 1987--	2 309	414	1 009	376	576	1 043	2 246	-
	1982--	2 497	264	1 482	172	578	3 088	1 278	(D)
Lime ----- farms, 1987--	240	69	142	127	103	232	264	-	
	1982--	248	95	179	126	182	332	261	1
	acres on which used, 1987--	5 221	2 415	3 049	5 241	9 619	14 910	9 322	-
	1982--	5 959	4 166	7 220	4 140	11 237	17 345	11 397	(D)
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	7 705	4 925	3 811	6 787	14 636	22 009	12 082	-
	1982--	9 121	8 178	12 115	7 155	22 111	27 327	17 538	(D)
	Insects on hay and other crops ----- farms, 1987--	276	28	215	93	236	310	178	2
		1982--	294	32	181	75	173	289	219
acres on which used, 1987--		12 331	491	8 857	8 495	25 429	24 101	8 769	(D)
1982--		15 562	1 917	12 857	4 484	27 949	29 085	15 455	(D)
Nematodes in crops ----- farms, 1987--	26	-	24	15	13	13	7	1	
	1982--	17	12	12	6	26	53	10	1
	acres on which used, 1987--	825	1 782	1 931	415	1 931	4 025	551	(D)
	1982--	1 030	818	1 462	578	3 646	2 777	1 490	(D)
Diseases in crops and orchards ----- farms, 1987--	37	24	73	29	49	75	35	1	
	1982--	46	3	57	22	66	68	53	1
	acres on which used, 1987--	452	147	592	1 204	1 076	1 574	221	(D)
	1982--	382	115	2 348	862	1 977	2 134	2 896	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	352	88	247	179	272	431	286	-	
	1982--	352	81	301	156	296	513	381	3
	acres on which used, 1987--	14 988	6 645	18 507	15 157	36 156	44 618	21 277	-
	1982--	16 098	6 906	26 234	11 216	39 817	46 841	23 800	(D)
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	26	2	7	10	12	51	35	-	
	1982--	16	1	2	3	50	19	20	-
	acres on which used, 1987--	545	(D)	(D)	800	574	1 436	491	-
	1982--	592	(D)	(D)	985	3 622	3 015	663	-

Chemicals used	County								
	Pike	Potter	Schuylkill	Snyder	Somerset	Sullivan	Susquehanna	Tioga	
Commercial fertilizer ----- farms, 1987--	18	208	552	596	819	106	462	525	
	1982--	21	226	602	625	825	104	521	549
	acres on which used, 1987--	1 054	15 488	50 722	51 176	69 807	7 027	30 399	43 473
	1982--	(D)	17 607	61 799	43 714	69 502	5 950	29 399	40 429
Cropland fertilized, except pastureland ----- farms, 1987--	18	182	532	589	798	106	461	524	
	1982--	20	225	600	614	805	101	519	541
	acres on which used, 1987--	(D)	13 996	49 133	50 512	65 053	6 740	28 682	41 203
	1982--	(D)	17 071	59 887	42 806	64 728	5 833	27 608	38 726
Pastureland and rangeland fertilized ----- farms, 1987--	2	81	83	61	180	17	62	66	
	1982--	2	19	60	85	161	12	91	59
	acres on which used, 1987--	(D)	1 492	1 589	664	4 754	287	1 717	2 270
	1982--	(D)	536	1 912	908	4 774	117	1 791	1 703
Lime ----- farms, 1987--	5	90	322	282	493	42	215	230	
	1982--	7	110	343	227	395	45	302	318
	acres on which used, 1987--	316	4 578	12 947	5 721	15 941	1 106	5 467	12 160
	1982--	(D)	7 294	21 101	7 594	14 658	1 606	8 659	12 740
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	(D)	7 282	22 133	10 321	31 940	2 033	8 962	18 234
	1982--	(D)	9 602	30 074	13 046	28 111	2 764	16 046	20 363
	Insects on hay and other crops ----- farms, 1987--	11	67	300	324	305	22	112	136
		1982--	6	57	341	244	203	19	79
acres on which used, 1987--		439	3 362	18 650	12 097	19 196	999	3 124	7 916
1982--		(D)	3 576	23 203	10 595	10 559	492	2 429	5 077
Nematodes in crops ----- farms, 1987--	-	3	74	15	48	-	16	19	
	1982--	1	9	34	15	49	1	12	9
	acres on which used, 1987--	-	440	3 320	563	2 852	-	640	1 150
	1982--	(D)	551	2 223	279	2 784	(D)	967	1 085
Diseases in crops and orchards ----- farms, 1987--	9	18	131	89	24	6	14	43	
	1982--	3	30	129	65	66	3	14	34
	acres on which used, 1987--	(D)	936	4 130	1 018	1 519	12	325	533
	1982--	(D)	1 962	3 329	1 381	2 314	12	85	569
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	10	156	418	422	591	59	358	344	
	1982--	13	162	428	381	577	65	312	337
	acres on which used, 1987--	731	9 642	31 643	27 092	33 348	3 138	13 559	20 882
	1982--	513	10 499	27 708	19 997	38 881	3 738	11 450	22 025
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	-	8	34	3	17	4	9	5	
	1982--	-	17	60	5	18	-	7	7
	acres on which used, 1987--	-	1 069	2 304	(D)	1 495	100	90	179
	1982--	-	1 186	1 060	186	1 336	-	359	595

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	Union	Venango	Warren	Washington	Wayne	Westmoreland	Wyoming	York
Commercial fertilizer ----- farms, 1987..	442	307	315	814	363	893	216	1 521
1982..	394	376	282	752	398	947	278	1 754
acres on which used, 1987..	33 871	14 833	14 822	30 033	21 176	44 781	13 101	139 486
1982..	35 491	10 942	9 025	29 356	19 109	33 548	17 699	177 005
Cropland fertilized, except pastureland ----- farms, 1987..	425	301	301	755	363	852	216	1 476
1982..	394	345	274	729	395	921	271	1 746
acres on which used, 1987..	33 309	13 894	14 215	28 110	18 895	41 982	12 737	135 198
1982..	34 995	10 245	8 571	27 788	17 782	31 733	16 901	173 115
Pastureland and rangeland fertilized ----- farms, 1987..	42	41	46	123	61	153	20	217
1982..	39	60	21	73	61	149	30	213
acres on which used, 1987..	562	939	607	1 923	2 281	2 799	364	4 288
1982..	496	697	454	1 568	1 327	1 815	798	3 890
Lime ----- farms, 1987..	203	125	110	446	124	464	110	566
1982..	207	149	143	424	233	475	179	737
acres on which used, 1987..	5 407	5 682	2 577	8 312	2 026	10 275	3 024	19 167
1982..	8 181	1 688	2 412	8 678	4 830	7 413	6 318	31 613
tons, 1987..	9 177	7 227	3 531	15 970	3 145	18 420	5 232	31 657
1982..	12 816	3 888	3 916	18 458	7 816	13 875	10 444	50 247
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	257	43	83	284	67	255	81	709
1982..	152	44	28	198	67	218	77	773
acres on which used, 1987..	11 307	1 863	3 200	8 786	1 069	13 064	2 199	52 265
1982..	11 612	1 940	711	7 534	884	8 038	2 791	57 510
Nematodes in crops ----- farms, 1987..	13	8	11	29	2	48	8	147
1982..	18	6	8	23	2	30	-	126
acres on which used, 1987..	800	290	542	1 367	(D)	2 124	80	4 786
1982..	1 332	78	315	1 572	(D)	929	-	9 664
Diseases in crops and orchards ----- farms, 1987..	57	11	2	69	32	85	15	321
1982..	30	24	9	57	36	27	35	264
acres on which used, 1987..	683	116	(D)	1 489	232	949	146	10 009
1982..	477	132	27	1 162	146	202	1 053	10 718
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	327	239	140	588	248	563	200	1 068
1982..	264	236	116	417	226	582	223	1 229
acres on which used, 1987..	20 727	9 006	7 202	21 294	7 125	24 186	6 693	89 693
1982..	20 317	7 300	4 268	14 084	6 309	18 644	9 097	108 708
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	22	1	2	55	10	36	9	180
1982..	14	15	-	16	14	53	8	131
acres on which used, 1987..	1 453	(D)	(D)	769	59	319	22	3 543
1982..	753	310	-	650	411	393	236	5 010