

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992

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

Chemicals used	Pennsylvania	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks
Commercial fertilizer farms, 1997..	30 175	620	152	382	281	607	1 180
1992..	31 894	743	146	510	335	649	1 204
acres on which used, 1997..	2 658 019	94 826	4 870	35 572	12 231	58 579	138 526
1992..	2 716 020	84 830	6 058	36 330	13 549	63 544	127 957
Cropland fertilized, except pastureland farms, 1997..	29 460	617	141	376	269	593	1 177
1992..	31 326	720	146	482	335	639	1 194
acres on which used, 1997..	2 559 151	92 882	4 393	33 473	11 739	56 131	136 014
1992..	2 610 841	81 600	(D)	34 070	13 226	60 289	125 114
Pastureland and rangeland fertilized farms, 1997..	4 946	84	29	85	33	100	138
1992..	4 832	129	1	105	30	106	140
acres on which used, 1997..	98 868	1 944	477	2 099	492	2 448	2 512
1992..	105 179	3 230	(D)	2 260	323	3 255	2 843
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	12 553	207	44	66	74	220	678
1992..	11 870	248	74	89	115	225	533
acres on which used, 1997..	839 684	23 807	343	3 231	2 476	20 724	57 064
1992..	771 501	22 972	1 524	6 788	4 071	21 156	39 944
Nematodes in crops farms, 1997..	1 173	16	7	1	—	17	53
1992..	1 334	30	3	3	2	22	78
acres on which used, 1997..	82 859	743	13	(D)	—	1 467	7 919
1992..	104 403	1 510	7	(D)	(D)	2 416	6 954
Diseases in crops and orchards farms, 1997..	3 897	118	28	11	53	38	182
1992..	3 544	157	41	18	39	54	127
acres on which used, 1997..	127 982	17 484	185	281	651	2 009	5 192
1992..	126 280	19 586	858	335	661	2 120	4 325
Weeds, grass, or brush in crops and pasture farms, 1997..	19 758	483	64	214	148	365	915
1992..	19 838	432	88	254	171	355	769
acres on which used, 1997..	1 635 466	56 492	1 196	15 960	7 113	26 131	96 963
1992..	1 516 580	47 368	2 706	14 062	6 648	25 126	69 225
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1 082	97	—	8	9	32	26
1992..	1 309	107	17	2	2	32	39
acres on which used, 1997..	46 214	7 717	—	(D)	146	912	1 648
1992..	56 650	7 882	34	(D)	(D)	1 058	2 187
Chemicals used							
Blair	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	
Commercial fertilizer farms, 1997..	312	727	426	661	414	14	112
1992..	327	755	438	710	407	16	117
acres on which used, 1997..	35 100	64 644	58 643	42 281	31 949	422	8 280
1992..	36 107	64 475	49 138	37 187	27 217	429	6 843
Cropland fertilized, except pastureland farms, 1997..	305	726	416	635	414	13	112
1992..	326	745	417	694	406	16	114
acres on which used, 1997..	34 386	63 211	57 862	41 113	31 328	389	8 145
1992..	35 459	61 385	48 445	35 088	26 412	371	6 816
Pastureland and rangeland fertilized farms, 1997..	29	73	27	60	46	3	5
1992..	27	100	45	120	33	6	8
acres on which used, 1997..	714	1 433	781	1 168	621	33	135
1992..	648	3 090	693	2 099	805	58	27
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	210	141	202	205	146	4	56
1992..	191	136	204	149	82	1	45
acres on which used, 1997..	24 980	6 961	15 131	7 360	10 853	(D)	3 189
1992..	18 806	6 444	9 305	6 591	7 431	(D)	1 549
Nematodes in crops farms, 1997..	33	14	27	20	23	—	5
1992..	26	22	20	17	14	—	3
acres on which used, 1997..	1 645	1 033	1 525	1 653	927	—	51
1992..	2 254	490	1 176	738	947	—	(D)
Diseases in crops and orchards farms, 1997..	58	27	67	60	55	2	29
1992..	51	39	81	30	31	—	29
acres on which used, 1997..	3 414	778	1 349	1 363	2 350	(D)	764
1992..	2 316	455	1 868	774	2 217	—	355
Weeds, grass, or brush in crops and pasture farms, 1997..	186	497	288	449	265	9	83
1992..	223	500	291	428	261	7	59
acres on which used, 1997..	21 604	31 999	39 872	23 845	16 461	173	5 016
1992..	20 543	31 863	36 180	18 118	18 239	(D)	3 414
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	2	4	7	7	19	—	5
1992..	11	7	21	5	21	—	9
acres on which used, 1997..	(D)	759	39	180	677	—	70
1992..	820	315	209	45	1 021	—	23

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.

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Chemicals used	Centre	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford
Commercial fertilizer farms, 1997..	579	927	282	204	193	451	712
1992..	575	892	345	240	146	482	774
acres on which used, 1997..	60 925	84 740	19 142	13 190	19 827	50 635	56 824
1992..	60 648	84 989	25 305	13 100	17 429	53 422	65 475
Cropland fertilized, except pastureland farms, 1997..	568	862	274	203	187	451	697
1992..	552	848	333	232	146	482	772
acres on which used, 1997..	56 923	80 650	17 512	12 217	18 636	49 107	54 259
1992..	57 268	80 470	22 734	12 429	17 020	52 418	63 504
Pastureland and rangeland fertilized farms, 1997..	140	191	74	50	52	68	137
1992..	144	161	66	56	20	58	66
acres on which used, 1997..	4 002	4 090	1 630	973	1 191	1 528	2 565
1992..	3 380	4 519	2 571	671	409	1 004	1 971
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	312	575	38	75	93	152	173
1992..	292	488	29	48	53	140	143
acres on which used, 1997..	26 739	38 998	3 295	4 009	11 043	14 479	7 174
1992..	24 064	36 468	2 558	1 765	7 504	10 656	5 084
Nematodes in crops farms, 1997..	24	52	23	1	12	4	19
1992..	26	60	1	3	9	13	5
acres on which used, 1997..	1 537	4 556	1 413	(D)	2 125	316	862
1992..	1 774	6 030	(D)	140	1 396	765	400
Diseases in crops and orchards farms, 1997..	64	215	5	17	19	94	30
1992..	53	124	8	11	14	79	35
acres on which used, 1997..	2 265	3 280	(D)	591	2 460	3 982	455
1992..	1 377	2 423	(D)	22	1 557	3 343	301
Weeds, grass, or brush in crops and pasture farms, 1997..	394	527	149	132	137	325	467
1992..	366	522	207	123	104	403	562
acres on which used, 1997..	41 791	51 327	9 280	8 365	12 782	33 297	30 803
1992..	32 377	48 997	13 522	6 284	9 329	38 366	39 029
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	15	46	1	8	18	24	21
1992..	28	31	1	9	5	21	19
acres on which used, 1997..	379	592	(D)	320	2 855	663	577
1992..	1 604	1 610	(D)	58	295	692	599
Chemicals used	Cumberland	Dauphin	Delaware	Elk	Erie	Fayette	Forest
Commercial fertilizer farms, 1997..	692	418	31	101	782	381	27
1992..	787	465	39	98	792	505	24
acres on which used, 1997..	78 739	40 049	1 204	2 338	65 666	25 319	1 406
1992..	75 479	45 393	(D)	3 807	60 308	22 975	923
Cropland fertilized, except pastureland farms, 1997..	692	417	29	92	758	381	27
1992..	765	458	38	96	784	484	24
acres on which used, 1997..	76 661	39 006	(D)	2 139	63 685	24 320	1 315
1992..	73 183	44 338	(D)	3 590	58 765	20 468	824
Pastureland and rangeland fertilized farms, 1997..	104	89	2	34	98	67	7
1992..	114	70	1	24	49	121	8
acres on which used, 1997..	2 078	1 043	(D)	199	1 981	999	91
1992..	2 296	1 055	(D)	217	1 543	2 507	99
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops farms, 1997..	312	160	20	16	309	128	7
1992..	328	200	24	7	380	63	2
acres on which used, 1997..	26 733	10 389	535	143	22 016	7 080	476
1992..	20 743	8 203	556	126	20 572	5 042	(D)
Nematodes in crops farms, 1997..	10	9	2	3	12	2	1
1992..	27	28	2	—	73	12	—
acres on which used, 1997..	1 675	141	(D)	42	360	(D)	(D)
1992..	2 054	615	(D)	—	1 587	887	—
Diseases in crops and orchards farms, 1997..	52	38	8	9	292	29	—
1992..	78	65	12	1	313	4	2
acres on which used, 1997..	882	2 450	(D)	51	16 424	280	—
1992..	3 740	916	93	(D)	15 442	(D)	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	497	302	16	45	493	169	16
1992..	474	335	20	24	616	209	13
acres on which used, 1997..	52 469	27 969	1 007	1 392	46 380	9 901	902
1992..	38 957	29 518	1 015	1 297	40 869	9 281	487
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	28	14	1	4	66	8	—
1992..	32	16	6	1	82	10	—
acres on which used, 1997..	1 299	230	(D)	(D)	1 576	182	—
1992..	1 316	2 080	(D)	(D)	2 476	300	—

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.

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Chemicals used	Franklin	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
Commercial fertilizer farms, 1997..	921	339	222	447	490	299	443	113
1992..	1 014	310	250	411	545	287	418	96
acres on which used, 1997..	131 839	26 886	8 195	38 536	39 335	20 578	29 067	5 448
1992..	129 384	26 939	8 153	45 600	43 019	21 199	33 721	6 685
Cropland fertilized, except pastureland farms, 1997..	907	339	216	437	476	279	437	109
1992..	999	298	224	410	544	287	417	95
acres on which used, 1997..	126 037	24 810	7 753	37 017	36 753	18 497	28 326	5 148
1992..	122 774	23 847	7 158	42 507	40 970	20 002	33 153	6 519
Pastureland and rangeland fertilized farms, 1997..	230	95	20	85	101	83	49	17
1992..	228	85	29	99	94	46	35	5
acres on which used, 1997..	5 802	2 076	442	1 519	2 582	2 081	741	300
1992..	6 610	3 092	995	3 093	2 049	1 197	568	166
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	497	51	21	156	218	48	145	53
1992..	517	69	28	135	192	55	127	37
acres on which used, 1997..	51 315	4 328	696	12 749	10 255	2 075	6 546	1 460
1992..	48 285	4 140	1 379	17 713	10 849	2 638	6 140	1 849
Nematodes in crops farms, 1997..	48	2	9	28	21	10	5	4
1992..	77	4	1	12	22	4	29	1
acres on which used, 1997..	3 295	(D)	90	1 470	1 634	880	1 030	16
1992..	6 526	448	(D)	1 525	1 472	(D)	2 439	(D)
Diseases in crops and orchards farms, 1997..	129	2	7	12	104	—	22	52
1992..	89	1	18	16	50	12	23	18
acres on which used, 1997..	7 869	(D)	(D)	449	2 894	979	1 112	
1992..	7 263	(D)	200	819	1 242	396	442	1 984
Weeds, grass, or brush in crops and pasture farms, 1997..	663	180	59	297	338	130	342	32
1992..	751	167	70	260	331	166	306	42
acres on which used, 1997..	77 428	9 294	1 208	18 013	26 238	6 707	21 887	1 200
1992..	70 033	7 223	2 117	19 322	25 465	8 269	17 496	3 068
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	64	8	2	17	34	2	4	4
1992..	63	3	4	2	11	17	16	11
acres on which used, 1997..	4 645	369	(D)	33	918	(D)	118	7
1992..	4 199	223	230	(D)	133	171	440	37
Chemicals used	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean	Mercer
Commercial fertilizer farms, 1997..	3 616	429	545	302	229	622	111	760
1992..	3 592	487	679	360	252	647	81	832
acres on which used, 1997..	197 676	39 081	56 076	63 277	14 368	47 039	3 422	61 761
1992..	213 472	37 127	59 156	59 998	17 467	47 491	2 301	57 185
Cropland fertilized, except pastureland farms, 1997..	3 521	423	535	297	229	622	111	731
1992..	3 552	472	654	360	252	621	72	810
acres on which used, 1997..	189 692	37 134	53 732	63 015	14 227	45 364	3 292	59 011
1992..	204 938	34 896	56 724	59 586	16 683	45 649	1 828	55 759
Pastureland and rangeland fertilized farms, 1997..	575	83	163	25	11	70	7	130
1992..	638	63	140	25	26	132	19	103
acres on which used, 1997..	7 984	1 947	2 344	262	141	1 675	130	2 750
1992..	8 534	2 231	2 432	412	784	1 842	473	1 426
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	2 584	162	322	183	140	231	11	168
1992..	2 428	149	370	200	104	170	13	165
acres on which used, 1997..	114 609	14 046	24 685	19 508	6 078	14 770	74	10 134
1992..	107 962	11 677	23 662	23 052	5 414	11 585	212	6 012
Nematodes in crops farms, 1997..	190	9	41	15	10	40	—	21
1992..	189	5	62	29	4	21	9	13
acres on which used, 1997..	9 786	2 483	3 691	2 634	42	3 631	—	1 180
1992..	12 760	(D)	4 093	3 626	251	2 455	177	1 947
Diseases in crops and orchards farms, 1997..	724	41	54	104	70	66	2	17
1992..	615	25	41	81	61	56	2	36
acres on which used, 1997..	7 475	693	1 127	4 215	3 177	2 616	(D)	328
1992..	9 378	555	593	2 986	2 369	1 517	(D)	403
Weeds, grass, or brush in crops and pasture farms, 1997..	2 482	292	484	251	177	378	49	453
1992..	2 463	292	484	229	110	387	19	516
acres on which used, 1997..	147 384	23 279	44 333	45 507	10 869	25 896	1 426	32 324
1992..	142 160	17 765	43 490	35 129	8 736	22 057	664	35 061
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	148	8	6	41	11	14	5	21
1992..	227	3	3	21	4	31	—	3
acres on which used, 1997..	3 499	71	902	661	400	838	50	593
1992..	4 426	55	(D)	798	(D)	1 782	—	78

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.

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

Chemicals used	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumber-land	Perry	Philadelphia
Commercial fertilizer farms, 1997..	499	108	334	196	281	421	384	7
1992..	499	81	279	180	292	465	438	4
acres on which used, 1997..	36 533	7 734	29 458	21 140	50 872	60 398	36 530	196
1992..	34 945	8 079	25 734	19 732	59 393	64 901	44 804	(D)
Cropland fertilized, except pastureland farms, 1997..	492	108	319	196	275	406	378	5
1992..	499	81	279	180	290	463	437	4
acres on which used, 1997..	34 766	7 646	28 919	20 661	50 072	59 489	35 800	(D)
1992..	33 716	(D)	25 580	19 380	58 441	63 850	43 867	(D)
Pastureland and rangeland fertilized farms, 1997..	102	8	38	36	23	64	40	2
1992..	83	1	18	30	24	41	49	—
acres on which used, 1997..	1 767	88	539	479	800	909	730	(D)
1992..	1 229	(D)	154	352	952	1 051	937	—
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	328	53	93	74	123	218	89	3
1992..	269	36	115	33	107	217	112	2
acres on which used, 1997..	15 290	3 031	5 152	9 279	19 930	24 405	5 865	(D)
1992..	13 242	3 150	6 859	2 904	24 659	17 430	4 753	(D)
Nematodes in crops farms, 1997..	57	4	4	2	6	44	11	—
1992..	22	2	7	10	17	18	11	1
acres on which used, 1997..	2 445	181	258	(D)	1 984	1 903	557	—
1992..	908	(D)	968	338	4 916	1 860	628	(D)
Diseases in crops and orchards farms, 1997..	39	25	42	14	74	58	10	3
1992..	58	24	40	11	31	80	14	2
acres on which used, 1997..	1 396	899	704	912	2 781	2 187	241	(D)
1992..	852	786	527	306	1 649	3 752	22	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	356	61	216	95	224	335	245	3
1992..	266	32	154	111	193	351	272	2
acres on which used, 1997..	16 722	4 423	21 932	8 785	40 037	49 225	21 270	56
1992..	12 844	3 379	12 061	13 078	36 713	54 016	22 743	(D)
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	13	5	2	1	9	34	17	—
1992..	52	—	6	1	5	24	10	—
acres on which used, 1997..	414	337	(D)	(D)	1 815	2 642	282	—
1992..	602	—	25	(D)	(D)	4 992	(D)	—
Chemicals used								
	Pike	Potter	Schuylkill	Snyder	Somerset	Sullivan	Susquehanna	Tioga
Commercial fertilizer farms, 1997..	21	121	454	477	649	76	338	458
1992..	27	173	446	496	781	87	397	427
acres on which used, 1997..	1 062	13 289	45 596	39 126	66 623	5 041	21 481	27 554
1992..	1 093	21 631	48 489	38 580	71 421	6 664	23 265	34 051
Cropland fertilized, except pastureland farms, 1997..	20	113	448	461	623	74	321	447
1992..	26	173	438	496	773	87	394	427
acres on which used, 1997..	(D)	12 454	44 584	38 198	60 444	4 854	19 654	26 951
1992..	885	20 874	46 913	37 609	66 053	5 845	21 906	33 298
Pastureland and rangeland fertilized farms, 1997..	3	23	36	58	213	10	62	29
1992..	3	25	61	50	179	16	49	30
acres on which used, 1997..	(D)	835	1 012	928	6 179	187	1 827	603
1992..	208	757	1 576	971	5 368	819	1 359	753
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	9	30	215	205	230	16	56	83
1992..	9	49	223	140	198	10	77	90
acres on which used, 1997..	178	3 015	16 733	6 461	13 127	1 092	1 666	3 943
1992..	222	4 056	14 233	4 784	16 085	421	3 110	4 556
Nematodes in crops farms, 1997..	—	2	58	16	36	—	13	5
1992..	1	7	47	1	34	—	13	22
acres on which used, 1997..	—	(D)	2 234	334	2 608	—	296	418
1992..	(D)	874	3 072	(D)	2 975	—	863	2 234
Diseases in crops and orchards farms, 1997..	6	5	94	67	56	4	29	15
1992..	11	22	124	80	31	6	25	29
acres on which used, 1997..	(D)	540	5 106	498	849	68	413	93
1992..	126	1 818	4 352	563	1 620	15	246	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	8	64	355	303	438	41	180	248
1992..	11	86	327	313	466	48	208	257
acres on which used, 1997..	103	6 825	30 268	24 386	27 718	3 231	6 591	13 793
1992..	519	7 587	28 096	22 731	30 668	2 987	9 138	17 066
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1	—	38	2	8	—	1	2
1992..	—	9	28	9	22	2	17	11
acres on which used, 1997..	(D)	—	2 082	(D)	125	23	(D)	454
1992..	—	1 274	1 630	1 785	(D)	(D)	454	174

Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—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, 1997..	383	253	223	525	289	724	184	1 214
1992..	358	245	231	665	269	710	220	1 342
acres on which used, 1997..	36 168	12 627	10 527	18 861	16 718	42 967	13 141	155 866
1992..	32 770	10 093	10 452	26 728	17 881	45 789	16 566	159 527
Cropland fertilized, except pastureland								
farms, 1997..	360	253	207	490	272	718	183	1 190
1992..	357	229	224	646	267	710	216	1 315
acres on which used, 1997..	35 346	12 140	9 830	17 469	13 987	41 332	12 075	153 064
1992..	32 114	9 738	9 930	25 615	15 356	44 765	16 032	155 144
Pastureland and rangeland fertilized.....								
farms, 1997..	70	40	53	55	86	100	25	201
1992..	50	44	21	73	84	66	22	238
acres on which used, 1997..	822	487	697	1 392	2 731	1 635	1 066	2 802
1992..	656	355	522	1 113	2 525	1 024	534	4 383
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops								
farms, 1997..	187	64	44	130	48	201	74	367
1992..	137	44	29	146	48	186	47	498
acres on which used, 1997..	9 101	1 829	1 290	3 600	955	14 227	1 673	35 200
1992..	8 227	1 564	1 441	4 873	762	11 285	1 889	48 296
Nematodes in crops								
farms, 1997..	4	—	1	21	—	5	5	36
1992..	4	9	5	22	9	8	13	70
acres on which used, 1997..	585	—	(D)	151	—	365	238	4 960
1992..	385	177	50	766	111	743	994	7 269
Diseases in crops and orchards.....								
farms, 1997..	28	4	4	25	18	56	24	191
1992..	35	28	11	45	9	35	3	150
acres on which used, 1997..	507	8	(D)	530	65	607	731	4 298
1992..	581	718	391	1 197	51	980	281	8 171
Weeds, grass, or brush in crops and pasture								
farms, 1997..	310	154	100	268	154	388	135	835
1992..	255	158	130	331	110	395	128	825
acres on which used, 1997..	26 727	5 394	3 949	7 547	3 667	24 895	6 439	118 000
1992..	18 726	5 814	4 478	15 690	3 787	21 726	6 319	105 115
Chemicals used on crops to control growth, thin fruit, or defoliate								
farms, 1997..	11	—	1	1	—	17	—	60
1992..	8	9	2	38	10	12	11	70
acres on which used, 1997..	119	—	(D)	(D)	—	211	—	1 587
1992..	287	68	(D)	1 025	233	382	405	2 905