

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	New York							
	New York	Albany	Allegany	Bronx	Broome	Cattaraugus	Cayuga	
Commercial fertilizer farms, 1997..	18 119	190	358	—	242	499	550	
	1992..	20 618	241	401	—	227	650	
	acres on which used, 1997..	2 115 586	7 358	20 097	—	11 129	32 560	
	1992..	2 214 886	11 706	22 356	—	13 412	37 477	
Cropland fertilized, except pastureland farms, 1997..	17 734	190	342	—	234	499	540	
	1992..	20 399	241	400	—	227	642	
	acres on which used, 1997..	2 070 625	7 125	19 467	—	10 913	31 617	
	1992..	2 171 705	11 561	21 496	—	13 169	36 025	
Pastureland and rangeland fertilized..... farms, 1997..	1 698	13	31	—	16	62	53	
	1992..	1 564	6	45	—	11	24	
	acres on which used, 1997..	44 961	233	630	—	216	943	
	1992..	43 181	145	860	—	243	1 452	
Sprays, dusts, granules, fumigants, etc., to control—								
	Insects on hay and other crops farms, 1997..	6 588	25	66	—	72	96	
	1992..	6 353	66	49	—	64	139	
	acres on which used, 1997..	597 399	1 369	4 002	—	2 302	7 563	
1992..	538 929	3 262	2 894	—	2 023	4 271		
Nematodes in crops farms, 1997..	491	—	2	—	9	8	59	
	1992..	627	1	1	—	2	31	
	acres on which used, 1997..	56 927	(D)	(D)	—	1 125	1 048	
	1992..	66 505	(D)	(D)	—	—	(D)	
Diseases in crops and orchards..... farms, 1997..	3 314	18	16	—	37	28	75	
	1992..	3 412	31	7	—	32	81	
	acres on which used, 1997..	196 947	496	539	—	1 343	2 365	
	1992..	224 355	1 689	482	—	338	575	
Weeds, grass, or brush in crops and pasture farms, 1997..	11 136	51	190	—	119	273	403	
	1992..	12 493	111	257	—	126	287	
	acres on which used, 1997..	1 335 207	3 462	10 862	—	7 035	18 114	
	1992..	1 297 582	4 315	13 101	—	7 021	17 568	
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1 029	2	1	—	2	14	14	
	1992..	1 336	4	9	—	1	40	
	acres on which used, 1997..	65 797	(D)	(D)	—	(D)	267	
	1992..	82 547	(D)	395	—	(D)	229	

Chemicals used	New York							
	Chautauqua	Chemung	Chenango	Clinton	Columbia	Cortland	Delaware	Dutchess
Commercial fertilizer farms, 1997..	1 028	131	420	294	297	244	257	240
	1992..	1 253	145	481	309	319	360	335
	acres on which used, 1997..	68 797	9 545	38 318	38 091	37 068	23 734	16 691
	1992..	69 050	9 545	41 005	40 995	38 303	31 474	27 362
Cropland fertilized, except pastureland farms, 1997..	1 021	130	385	287	296	228	257	231
	1992..	1 251	145	479	308	297	360	332
	acres on which used, 1997..	66 078	9 330	35 542	36 347	35 303	22 881	15 334
	1992..	67 146	9 081	39 379	40 165	36 643	30 166	24 856
Pastureland and rangeland fertilized..... farms, 1997..	118	4	88	48	21	34	30	16
	1992..	61	24	54	16	38	56	50
	acres on which used, 1997..	2 719	215	2 776	1 744	1 765	853	1 357
	1992..	1 904	464	1 626	830	1 660	1 308	2 506
Sprays, dusts, granules, fumigants, etc., to control—								
	Insects on hay and other crops farms, 1997..	639	37	62	85	112	83	78
	1992..	708	29	53	62	131	47	75
	acres on which used, 1997..	25 274	2 000	6 477	11 843	13 004	8 414	1 591
1992..	22 855	1 166	3 471	10 768	13 197	3 697	3 029	
Nematodes in crops farms, 1997..	25	1	1	15	6	11	—	12
	1992..	92	—	4	20	11	5	2
	acres on which used, 1997..	1 331	(D)	(D)	1 694	3 248	303	—
	1992..	2 673	—	648	3 413	2 484	427	(D)
Diseases in crops and orchards..... farms, 1997..	496	13	15	26	86	7	12	48
	1992..	589	8	4	17	96	16	62
	acres on which used, 1997..	17 914	595	105	4 713	3 744	496	92
	1992..	19 631	182	366	3 190	4 476	761	93
Weeds, grass, or brush in crops and pasture farms, 1997..	652	103	249	161	162	158	132	137
	1992..	801	71	271	200	157	195	208
	acres on which used, 1997..	31 234	6 924	17 490	15 131	21 242	15 492	7 028
	1992..	34 189	4 132	19 898	17 423	18 829	16 261	9 630
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	31	—	12	11	44	6	—	10
	1992..	73	2	4	13	65	11	12
	acres on which used, 1997..	633	—	541	2 442	1 532	170	—
	1992..	1 122	(D)	(D)	2 492	2 940	106	159

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	Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer							
	Erie	Essex	Franklin	Fulton	Genesee	Greene	Hamilton	Herkimer
Commercial fertilizer farms, 1997..	562	87	324	85	344	113	4	294
..... 1992..	635	103	342	100	395	91	1	415
acres on which used, 1997..	42 635	4 892	33 243	7 245	97 586	7 473	15	23 240
..... 1992..	47 207	6 691	30 849	7 462	99 569	5 540	(D)	32 287
Cropland fertilized, except pastureland farms, 1997..	553	85	317	85	337	113	4	287
..... 1992..	621	103	341	98	394	91	1	405
acres on which used, 1997..	41 852	4 586	32 492	7 175	96 646	(D)	15	22 504
..... 1992..	46 832	6 631	29 636	7 362	99 172	5 435	(D)	31 957
Pastureland and rangeland fertilized..... farms, 1997..	36	7	32	6	29	2	—	34
..... 1992..	31	6	53	6	11	3	—	16
acres on which used, 1997..	783	306	751	70	940	(D)	—	736
..... 1992..	375	60	1 213	100	397	105	—	330
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	223	30	51	16	167	18	—	54
..... 1992..	191	38	49	20	188	22	1	55
acres on which used, 1997..	12 746	911	4 818	808	44 022	853	—	4 005
..... 1992..	12 419	1 458	4 976	868	36 000	814	(D)	3 180
Nematodes in crops farms, 1997..	16	—	4	—	10	1	—	12
..... 1992..	21	2	4	2	18	1	—	8
acres on which used, 1997..	337	—	255	—	5 350	(D)	—	974
..... 1992..	261	(D)	603	(D)	7 403	(D)	—	598
Diseases in crops and orchards..... farms, 1997..	112	22	12	6	41	12	—	2
..... 1992..	128	16	9	5	62	5	1	17
acres on which used, 1997..	4 337	430	3 159	193	15 208	273	—	(D)
..... 1992..	7 752	438	2 858	74	16 386	(D)	(D)	(D)
Weeds, grass, or brush in crops and pasture farms, 1997..	311	40	103	59	219	39	—	203
..... 1992..	343	57	213	66	252	48	—	226
acres on which used, 1997..	26 911	2 396	10 962	4 256	66 711	2 145	—	14 475
..... 1992..	31 497	2 679	11 766	3 933	62 301	3 868	—	15 089
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	35	3	6	—	14	2	—	2
..... 1992..	24	4	4	6	13	7	—	5
acres on which used, 1997..	1 433	255	1 035	—	876	(D)	—	(D)
..... 1992..	1 160	367	861	569	827	223	—	338
Chemicals used	Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau							
Commercial fertilizer farms, 1997..	374	5	405	362	383	274	316	24
..... 1992..	428	2	423	436	492	346	342	24
acres on which used, 1997..	46 052	5	42 069	95 586	47 914	59 758	34 795	(D)
..... 1992..	50 104	(D)	44 000	93 299	60 188	62 043	37 877	246
Cropland fertilized, except pastureland farms, 1997..	373	5	399	362	383	268	300	23
..... 1992..	427	2	415	425	492	345	339	24
acres on which used, 1997..	45 614	5	41 440	94 706	47 567	59 531	34 059	(D)
..... 1992..	49 840	(D)	42 590	92 149	59 621	61 565	37 299	246
Pastureland and rangeland fertilized..... farms, 1997..	17	—	33	6	7	17	28	1
..... 1992..	10	—	51	33	26	19	16	—
acres on which used, 1997..	438	—	629	880	347	227	736	(D)
..... 1992..	264	—	1 410	1 150	567	478	578	—
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	77	2	26	129	98	158	63	19
..... 1992..	76	1	47	112	97	165	47	20
acres on which used, 1997..	6 262	(D)	1 645	31 278	5 297	26 305	4 537	154
..... 1992..	4 683	(D)	2 422	24 385	9 814	20 493	2 568	166
Nematodes in crops farms, 1997..	6	—	3	6	11	10	2	—
..... 1992..	4	—	17	6	11	7	1	—
acres on which used, 1997..	1 371	—	49	2 218	1 818	1 058	(D)	—
..... 1992..	460	—	1 306	3 882	1 024	624	(D)	—
Diseases in crops and orchards..... farms, 1997..	6	1	2	45	20	107	11	10
..... 1992..	14	1	24	33	42	78	18	12
acres on which used, 1997..	1 048	(D)	(D)	2 152	975	9 599	692	109
..... 1992..	448	(D)	322	7 233	3 056	8 707	446	143
Weeds, grass, or brush in crops and pasture farms, 1997..	233	2	247	264	298	193	250	10
..... 1992..	277	—	267	290	370	216	204	5
acres on which used, 1997..	30 866	(D)	18 750	68 949	31 707	45 894	27 775	73
..... 1992..	32 296	—	17 084	62 502	32 263	45 619	23 964	(D)
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	—	—	4	20	10	14	9	—
..... 1992..	12	—	5	35	10	28	8	1
acres on which used, 1997..	—	—	92	1 093	434	1 029	90	—
..... 1992..	582	—	346	1 907	552	3 286	26	(D)

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	New York							
	New York	Niagara	Oneida	Onondaga	Ontario	Orange	Orleans	Oswego
Commercial fertilizer farms, 1997..	—	529	530	369	451	399	332	302
1992..	—	547	645	474	491	425	341	401
acres on which used, 1997..	—	73 003	57 465	65 936	100 427	33 266	86 738	15 259
1992..	—	60 911	67 370	59 274	91 460	33 487	79 706	25 170
Cropland fertilized, except pastureland farms, 1997..	—	522	525	363	446	387	325	281
1992..	—	541	644	474	491	409	334	400
acres on which used, 1997..	—	72 473	56 633	65 692	99 143	32 688	86 268	14 311
1992..	—	60 676	66 323	58 671	91 160	31 784	79 337	24 525
Pastureland and rangeland fertilized..... farms, 1997..	—	43	31	31	27	38	25	56
1992..	—	16	34	29	20	36	27	37
acres on which used, 1997..	—	530	832	244	1 284	578	470	948
1992..	—	235	1 047	603	300	1 703	369	645
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	—	238	101	186	205	194	202	81
1992..	—	247	113	156	199	203	195	154
acres on which used, 1997..	—	19 654	7 850	19 587	32 348	13 717	26 515	6 738
1992..	—	18 949	10 696	18 260	25 805	13 990	22 624	6 654
Nematodes in crops farms, 1997..	—	4	4	21	3	19	6	8
1992..	—	12	9	28	5	22	10	21
acres on which used, 1997..	—	1 224	869	1 278	(D)	1 028	2 011	628
1992..	—	1 306	1 355	3 638	332	1 033	5 714	727
Diseases in crops and orchards..... farms, 1997..	—	216	58	65	62	128	157	75
1992..	—	171	30	36	85	118	120	85
acres on which used, 1997..	—	9 503	3 306	2 985	6 146	9 362	17 199	6 158
1992..	—	12 219	4 876	3 408	3 834	8 398	14 878	3 141
Weeds, grass, or brush in crops and pasture farms, 1997..	—	355	362	253	394	261	205	133
1992..	—	326	406	284	404	273	254	251
acres on which used, 1997..	—	47 356	30 689	51 967	77 953	23 099	70 070	10 438
1992..	—	38 906	38 757	35 665	71 711	19 537	62 688	16 886
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	—	74	16	17	32	40	96	29
1992..	—	39	39	11	36	50	54	33
acres on which used, 1997..	—	3 566	386	832	2 298	3 591	6 847	3 274
1992..	—	5 587	2 601	1 260	4 415	2 536	5 378	765
Chemicals used	New York							
	Otsego	Putnam	Queens	Rensselaer	Richmond	Rockland	St. Lawrence	Saratoga
Commercial fertilizer farms, 1997..	421	27	2	239	4	10	753	258
1992..	509	11	1	261	1	21	789	270
acres on which used, 1997..	31 217	341	(D)	27 207	4	200	67 463	22 817
1992..	39 115	288	(D)	24 377	(D)	448	73 347	18 384
Cropland fertilized, except pastureland farms, 1997..	413	27	2	239	4	9	714	258
1992..	505	11	1	257	1	21	760	270
acres on which used, 1997..	29 903	302	(D)	26 668	4	(D)	63 420	22 652
1992..	38 176	288	(D)	23 355	(D)	448	70 333	18 180
Pastureland and rangeland fertilized..... farms, 1997..	32	3	—	31	—	1	123	16
1992..	44	—	—	42	—	—	104	11
acres on which used, 1997..	1 314	39	—	539	—	(D)	4 043	165
1992..	939	—	—	1 022	—	—	3 014	204
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	58	6	2	102	3	5	110	89
1992..	52	6	2	82	2	15	53	79
acres on which used, 1997..	3 619	71	(D)	5 748	3	182	4 509	5 329
1992..	2 855	181	(D)	4 463	(D)	413	3 317	4 000
Nematodes in crops farms, 1997..	4	—	—	3	—	—	12	2
1992..	9	1	—	12	—	—	10	12
acres on which used, 1997..	(D)	—	—	269	—	—	1 404	(D)
1992..	498	(D)	—	369	—	—	1 521	111
Diseases in crops and orchards..... farms, 1997..	19	4	—	24	3	4	33	42
1992..	10	4	—	49	—	14	16	42
acres on which used, 1997..	216	94	—	1 736	3	181	264	824
1992..	606	164	—	574	—	369	178	1 113
Weeds, grass, or brush in crops and pasture farms, 1997..	256	8	—	143	3	5	347	104
1992..	303	9	—	135	1	7	403	128
acres on which used, 1997..	15 134	123	—	13 902	3	169	31 626	12 861
1992..	18 500	293	—	12 635	(D)	270	30 050	11 719
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	—	1	—	10	—	1	—	22
1992..	18	1	—	30	—	1	5	23
acres on which used, 1997..	—	(D)	—	(D)	—	(D)	—	494
1992..	398	(D)	—	647	—	(D)	512	443

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	Schenectady	Schoharie	Schuyler	Seneca	Steuben	Suffolk	Sullivan	Tioga
	Commercial fertilizer farms, 1997..	70	269	177	278	697	419	128
..... 1992..	56	253	188	306	796	488	144	279
acres on which used, 1997..	2 320	18 778	11 686	61 290	72 529	23 422	8 939	18 596
..... 1992..	1 849	21 515	12 189	66 677	84 284	22 936	11 155	23 256
Cropland fertilized, except pastureland farms, 1997..	70	259	170	270	689	418	123	263
..... 1992..	56	244	188	305	796	488	144	278
acres on which used, 1997..	2 143	18 341	11 604	60 966	71 426	(D)	8 197	17 703
..... 1992..	1 849	20 765	(D)	66 599	83 008	(D)	10 003	21 864
Pastureland and rangeland fertilized..... farms, 1997..	10	37	7	23	49	1	26	26
..... 1992..	—	31	1	10	39	1	18	46
acres on which used, 1997..	177	437	82	324	1 103	(D)	742	893
..... 1992..	—	750	(D)	78	1 276	(D)	1 152	1 392
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	29	86	72	102	235	299	51	64
..... 1992..	18	28	73	64	175	398	26	40
acres on which used, 1997..	525	5 203	3 599	8 437	20 639	15 336	1 180	3 496
..... 1992..	385	2 726	2 884	11 134	22 735	17 836	1 333	2 143
Nematodes in crops farms, 1997..	3	14	1	16	20	37	1	4
..... 1992..	—	5	1	3	4	30	15	11
acres on which used, 1997..	3	268	(D)	2 806	460	1 521	(D)	385
..... 1992..	—	330	(D)	(D)	395	1 854	522	724
Diseases in crops and orchards..... farms, 1997..	13	21	54	36	120	223	10	24
..... 1992..	13	19	53	32	105	268	16	10
acres on which used, 1997..	198	263	942	2 080	6 769	10 679	76	522
..... 1992..	310	654	1 529	994	10 096	11 309	406	150
Weeds, grass, or brush in crops and pasture farms, 1997..	24	154	90	253	435	244	50	162
..... 1992..	24	139	119	231	471	244	72	148
acres on which used, 1997..	506	7 537	9 154	54 671	44 929	13 859	2 157	9 557
..... 1992..	760	11 015	7 656	42 145	60 523	13 298	3 014	10 949
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	1	12	—	—	22	64	8	2
..... 1992..	9	8	2	22	42	64	4	3
acres on which used, 1997..	(D)	(D)	—	—	3 082	2 657	100	(D)
..... 1992..	51	286	(D)	1 366	4 079	3 661	13	(D)
Chemicals used	Tompkins	Ulster	Warren	Washington	Wayne	Westchester	Wyoming	Yates
Commercial fertilizer farms, 1997..	239	189	35	443	624	47	418	489
..... 1992..	278	205	20	473	660	39	573	495
acres on which used, 1997..	39 463	15 449	1 076	57 323	88 028	1 300	79 520	43 973
..... 1992..	31 426	20 018	247	67 322	81 821	1 067	87 307	41 384
Cropland fertilized, except pastureland farms, 1997..	233	189	33	440	610	46	399	473
..... 1992..	278	204	19	461	660	38	559	495
acres on which used, 1997..	38 744	14 859	820	54 664	87 683	(D)	77 935	42 591
..... 1992..	30 347	19 332	(D)	64 211	81 281	(D)	86 737	40 931
Pastureland and rangeland fertilized..... farms, 1997..	22	19	4	97	26	2	54	49
..... 1992..	51	13	2	84	20	1	51	36
acres on which used, 1997..	719	590	256	2 659	345	(D)	1 585	1 382
..... 1992..	1 079	686	(D)	3 111	540	(D)	570	453
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops farms, 1997..	85	141	5	141	370	26	186	291
..... 1992..	90	113	6	114	380	28	154	196
acres on which used, 1997..	8 044	12 614	7	15 149	37 571	510	32 390	14 247
..... 1992..	8 732	12 577	(D)	12 098	34 405	713	22 697	10 890
Nematodes in crops farms, 1997..	6	24	—	8	5	1	27	8
..... 1992..	15	7	—	23	33	—	14	12
acres on which used, 1997..	1 081	444	—	1 815	(D)	(D)	2 929	1 607
..... 1992..	1 489	2 041	—	1 400	1 104	—	1 999	515
Diseases in crops and orchards..... farms, 1997..	38	90	2	34	297	16	29	131
..... 1992..	41	100	4	44	261	11	34	173
acres on which used, 1997..	303	5 317	(D)	1 372	24 142	364	4 514	5 847
..... 1992..	3 115	9 354	6	1 843	27 023	423	5 409	5 878
Weeds, grass, or brush in crops and pasture farms, 1997..	199	97	8	255	416	18	296	345
..... 1992..	170	104	7	279	420	8	434	332
acres on which used, 1997..	26 757	7 240	(D)	29 475	65 010	400	49 446	25 355
..... 1992..	18 632	13 576	178	29 928	55 441	288	53 292	25 750
Chemicals used on crops to control growth, thin fruit, or defoliate farms, 1997..	6	29	—	11	223	4	16	27
..... 1992..	10	54	1	42	213	3	14	56
acres on which used, 1997..	(D)	3 378	—	639	15 675	75	1 937	785
..... 1992..	274	6 498	(D)	852	14 385	(D)	2 684	1 223