

Table 39. Fertilizers and Chemicals Applied: 2002 and 1997

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

Item	New York	Albany	Allegany	Bronx	Broome	Cattaraugus	Cayuga
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	15,631	204	342	-	226	404	424
1997	20,266	206	420	-	272	585	603
acres treated, 2002	2,214,663	8,971	26,933	-	14,077	31,150	113,583
1997	2,345,761	7,859	21,595	-	12,211	37,089	149,855
Cropland fertilized, except cropland pastured farms, 2002	15,159	181	342	-	205	395	424
1997	19,799	206	404	-	262	585	594
acres treated, 2002	2,132,029	8,645	25,200	-	13,450	29,074	112,093
1997	2,297,443	7,646	20,975	-	12,026	35,942	147,686
Pastureland and rangeland fertilized farms, 2002	2,602	39	72	-	41	33	47
1997	1,895	11	30	-	15	79	59
acres treated, 2002	82,634	326	1,733	-	627	2,076	1,490
1997	48,318	213	620	-	185	1,147	2,169
Manure farms, 2002	12,921	120	308	-	179	430	315
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	1,196,388	4,274	14,369	-	15,760	29,119	38,185
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-							
Insects ² farms, 2002	5,539	47	63	-	48	81	189
1997	7,497	34	79	-	93	115	270
acres treated, 2002	579,898	3,312	5,483	-	2,537	6,320	32,922
1997	694,591	1,637	4,118	-	2,387	8,797	46,898
Weeds, grass, or brush farms, 2002	9,911	111	161	-	79	252	354
1997	12,317	57	213	-	137	324	445
acres treated, 2002	1,233,452	2,265	13,711	-	6,919	17,234	77,749
1997	1,502,168	3,981	11,233	-	8,738	20,738	106,548
Nematodes farms, 2002	503	1	2	-	1	2	27
1997	551	-	2	-	9	14	71
acres treated, 2002	49,162	(D)	(D)	-	(D)	(D)	9,893
1997	61,890	-	(D)	-	900	1,271	9,801
Diseases in crops and orchards farms, 2002	2,634	4	11	-	17	19	37
1997	3,783	25	20	-	48	32	87
acres treated, 2002	154,506	263	982	-	1,264	250	6,666
1997	240,194	756	561	-	1,183	2,346	5,468
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	860	4	1	-	16	1	1
1997	1,140	3	1	-	3	22	15
acres on which used, 2002	58,140	263	(D)	-	144	(D)	(D)
1997	78,849	(D)	(D)	-	(D)	365	766

Item	Chautauqua	Chemung	Chenango	Clinton	Columbia	Cortland	Delaware	Dutchess
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	1,048	136	344	280	210	239	244	213
1997	1,187	157	472	331	312	286	299	260
acres treated, 2002	69,230	10,723	36,122	38,735	37,165	26,442	28,600	20,865
1997	73,295	11,561	41,088	42,160	36,372	26,389	18,775	18,444
Cropland fertilized, except cropland pastured farms, 2002	1,012	136	344	271	202	239	220	181
1997	1,178	156	433	318	311	272	299	250
acres treated, 2002	64,857	8,445	32,900	37,009	34,525	24,724	23,626	19,200
1997	70,279	11,346	38,618	39,601	34,667	25,449	17,258	18,038
Pastureland and rangeland fertilized farms, 2002	213	45	53	77	22	41	96	67
1997	135	4	86	63	18	35	33	18
acres treated, 2002	4,373	2,278	3,222	1,726	2,640	1,718	4,974	1,665
1997	3,016	215	2,470	2,559	1,705	940	1,517	406
Manure farms, 2002	556	126	495	238	200	174	334	91
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	39,112	7,033	40,760	32,264	17,892	15,451	27,339	6,431
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	562	45	65	64	95	58	38	81
1997	725	45	70	100	119	102	92	126
acres treated, 2002	25,215	2,816	3,573	9,414	8,866	3,662	722	6,530
1997	27,452	3,215	7,638	14,725	13,111	9,325	1,728	6,797
Weeds, grass, or brush farms, 2002	773	79	219	141	179	165	121	87
1997	745	115	288	178	156	182	149	154
acres treated, 2002	35,091	6,066	11,232	18,011	20,405	7,771	5,292	8,563
1997	34,022	7,284	19,772	18,413	20,179	16,626	7,875	10,764
Nematodes farms, 2002	8	-	-	16	20	1	1	-
1997	25	1	1	17	6	13	-	14
acres treated, 2002	1,590	-	-	3,927	20	(D)	(D)	-
1997	1,331	(D)	(D)	1,838	3,248	385	-	427
Diseases in crops and orchards farms, 2002	434	6	8	32	62	22	13	56
1997	555	15	18	32	90	8	14	63
acres treated, 2002	18,759	29	(D)	4,237	2,922	76	31	1,711
1997	20,141	634	122	6,548	3,960	541	96	1,338
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	67	9	-	17	12	4	1	6
1997	35	-	11	15	52	6	-	17
acres on which used, 2002	2,346	129	-	2,784	1,635	357	(D)	145
1997	663	-	480	3,627	1,604	170	-	758

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Erie	Essex	Franklin	Fulton	Genesee	Greene	Hamilton	Herkimer
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	434	90	175	74	261	100	1	263
1997	659	103	356	94	384	122	4	307
acres treated, 2002	61,357	5,281	30,244	7,191	92,884	7,183	(D)	20,090
1997	50,368	5,117	35,080	7,855	113,945	7,917	15	24,206
Cropland fertilized, except cropland pastured farms, 2002	434	86	175	73	260	84	1	263
1997	648	101	345	94	377	122	4	300
acres treated, 2002	60,433	4,999	28,434	7,145	91,999	6,480	(D)	19,843
1997	49,450	4,779	34,321	7,775	113,109	(D)	15	23,532
Pastureland and rangeland fertilized farms, 2002	18	14	67	6	29	34	-	10
1997	46	11	34	8	28	2	-	30
acres treated, 2002	924	282	1,810	46	885	703	-	247
1997	918	338	759	80	836	(D)	-	674
Manure farms, 2002	324	77	269	99	202	99	6	356
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	33,160	5,681	30,707	7,541	30,634	3,875	36	34,317
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	180	32	14	14	140	14	1	50
1997	252	35	50	17	193	20	-	64
acres treated, 2002	14,055	957	2,168	466	45,711	896	(D)	4,278
1997	14,737	955	5,433	815	53,512	892	-	4,740
Weeds, grass, or brush farms, 2002	249	43	89	68	227	36	-	159
1997	362	45	115	63	257	42	-	221
acres treated, 2002	23,750	1,140	10,474	3,298	72,206	1,410	-	11,850
1997	31,516	2,440	12,166	4,562	82,390	2,184	-	15,075
Nematodes farms, 2002	14	12	-	-	23	-	-	-
1997	20	-	5	-	13	1	-	14
acres treated, 2002	(D)	21	-	-	1,916	-	-	-
1997	430	-	375	-	6,040	(D)	-	1,088
Diseases in crops and orchards farms, 2002	94	18	1	8	64	16	1	25
1997	123	27	13	7	50	13	-	3
acres treated, 2002	3,986	576	(D)	24	6,828	75	(D)	184
1997	5,099	435	3,749	194	21,490	288	-	(D)
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	40	15	2	6	20	1	-	-
1997	31	3	6	-	13	2	-	3
acres on which used, 2002	1,695	263	(D)	34	429	(D)	-	-
1997	1,391	255	1,035	-	846	(D)	-	(D)

Item	Jefferson	Kings	Lewis	Livingston	Madison	Monroe	Montgomery	Nassau
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	355	-	393	309	351	259	205	33
1997	381	6	440	398	400	317	354	27
acres treated, 2002	53,258	-	57,091	87,081	41,249	63,228	48,075	140
1997	45,932	6	46,342	109,618	48,719	78,968	35,942	(D)
Cropland fertilized, except cropland pastured farms, 2002	345	-	393	309	336	246	205	26
1997	379	6	435	398	400	311	322	26
acres treated, 2002	51,968	-	54,446	86,265	40,229	62,312	47,326	(D)
1997	45,428	6	45,611	108,738	48,372	78,683	35,026	(D)
Pastureland and rangeland fertilized farms, 2002	57	-	73	14	49	28	25	7
1997	19	-	40	6	7	22	45	1
acres treated, 2002	1,290	-	2,645	816	1,020	916	749	(D)
1997	504	-	731	880	347	285	916	(D)
Manure farms, 2002	458	-	383	204	310	61	291	8
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	61,557	-	51,842	27,638	38,620	2,810	25,158	66
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	60	-	33	133	65	188	40	20
1997	82	3	30	146	107	187	64	23
acres treated, 2002	9,473	-	1,627	36,275	8,554	19,196	2,994	227
1997	6,535	(D)	2,429	38,897	5,594	34,948	4,285	181
Weeds, grass, or brush farms, 2002	212	-	240	254	233	168	184	14
1997	242	3	293	288	301	218	264	14
acres treated, 2002	25,638	-	16,155	63,725	24,508	43,290	21,921	186
1997	30,736	(D)	22,548	81,495	31,383	63,933	28,398	98
Nematodes farms, 2002	3	-	-	3	1	1	12	4
1997	6	-	4	7	11	10	2	4
acres treated, 2002	374	-	-	(D)	(D)	(D)	(D)	-
1997	1,371	-	74	3,268	1,818	1,058	(D)	-
Diseases in crops and orchards farms, 2002	12	-	11	36	32	78	9	13
1997	7	2	2	48	21	128	11	11
acres treated, 2002	108	-	11	1,986	1,545	2,993	948	189
1997	1,078	(D)	(D)	2,381	984	13,847	652	113
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	36	-	7	3	16	17	-	1
1997	-	-	4	20	10	22	12	-
acres on which used, 2002	1,250	-	154	1,104	356	1,555	-	(D)
1997	-	-	92	1,093	434	1,743	120	-

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	New York	Niagara	Oneida	Onondaga	Ontario	Orange	Orleans	Oswego
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	-	402	421	323	433	367	214	297
1997	-	621	568	418	502	445	375	351
acres treated, 2002	-	71,223	48,310	66,993	109,451	27,695	79,564	19,005
1997	-	93,570	58,054	67,977	114,742	37,071	89,640	17,119
Cropland fertilized, except cropland pastured farms, 2002	-	402	421	314	433	332	209	281
1997	-	615	562	407	493	430	361	326
acres treated, 2002	-	70,560	47,836	65,048	108,952	24,816	79,098	17,913
1997	-	93,012	57,210	67,724	113,554	36,446	89,067	15,836
Pastureland and rangeland fertilized farms, 2002	-	26	47	61	34	106	20	74
1997	-	53	29	37	32	43	33	75
acres treated, 2002	-	663	474	1,945	499	2,879	466	1,092
1997	-	558	844	253	1,188	625	573	1,283
Manure farms, 2002	4	221	423	276	282	243	92	231
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	(D)	14,677	38,943	34,938	26,520	13,325	5,655	10,965
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	-	235	93	75	232	166	153	65
1997	-	271	111	200	226	231	225	99
acres treated, 2002	-	26,058	9,013	14,171	30,974	10,974	30,482	5,032
1997	-	28,056	8,484	20,685	36,426	17,702	27,961	8,403
Weeds, grass, or brush farms, 2002	-	243	262	239	354	212	151	145
1997	-	400	375	272	441	294	223	154
acres treated, 2002	-	40,716	28,000	46,433	74,416	14,068	68,316	10,403
1997	-	63,139	31,623	53,746	87,993	26,896	72,276	11,371
Nematodes farms, 2002	-	49	21	12	15	31	5	17
1997	-	5	4	22	4	20	6	9
acres treated, 2002	-	3,118	101	856	1,306	1,258	1,983	1,708
1997	-	1,476	869	1,280	(D)	1,211	2,011	646
Diseases in crops and orchards farms, 2002	-	135	25	17	76	76	71	55
1997	-	236	61	75	67	164	178	89
acres treated, 2002	-	9,773	2,940	2,113	5,429	4,037	13,038	3,278
1997	-	12,972	3,832	3,039	7,698	13,197	18,179	8,113
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	46	11	12	33	5	53	30
1997	-	82	18	17	34	48	103	39
acres on which used, 2002	-	2,453	512	950	1,110	426	5,681	1,199
1997	-	4,398	399	832	2,608	4,733	7,472	4,679
Item	Otsego	Putnam	Queens	Rensselaer	Richmond	Rockland	St. Lawrence	Saratoga
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	376	14	1	287	5	6	477	227
1997	452	31	2	263	4	10	821	294
acres treated, 2002	38,025	476	(D)	19,588	(D)	169	80,231	25,631
1997	35,180	359	(D)	28,457	4	200	71,355	25,607
Cropland fertilized, except cropland pastured farms, 2002	353	14	1	271	5	6	477	177
1997	442	31	2	263	4	9	780	294
acres treated, 2002	34,943	(D)	(D)	18,966	(D)	(D)	75,749	25,169
1997	33,573	320	(D)	27,874	4	(D)	67,211	25,432
Pastureland and rangeland fertilized farms, 2002	86	2	-	52	-	1	67	69
1997	34	3	-	35	-	1	130	17
acres treated, 2002	3,082	(D)	-	622	-	(D)	4,482	462
1997	1,607	39	-	583	-	(D)	4,144	175
Manure farms, 2002	340	10	1	182	2	9	553	239
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	36,344	192	(D)	7,189	(D)	148	76,096	14,928
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	43	7	-	85	5	11	70	51
1997	60	9	2	126	3	5	138	93
acres treated, 2002	2,211	165	-	3,922	(D)	189	3,350	3,931
1997	4,083	88	(D)	6,190	3	182	5,120	5,392
Weeds, grass, or brush farms, 2002	177	7	-	140	1	4	284	91
1997	271	9	-	159	3	5	375	118
acres treated, 2002	10,510	167	-	9,610	(D)	(D)	32,831	9,296
1997	17,377	138	-	14,389	3	169	33,432	14,775
Nematodes farms, 2002	10	-	-	1	-	-	2	31
1997	5	-	-	3	-	-	10	3
acres treated, 2002	10	-	-	(D)	-	-	(D)	971
1997	(D)	-	-	269	-	-	1,204	(D)
Diseases in crops and orchards farms, 2002	11	1	-	38	2	9	66	11
1997	20	6	-	24	3	4	45	48
acres treated, 2002	18	(D)	-	1,023	(D)	178	226	153
1997	341	110	-	1,736	3	181	305	979
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	9	-	-	16	-	2	19	2
1997	-	1	-	10	-	1	-	23
acres on which used, 2002	405	-	-	466	-	(D)	295	(D)
1997	-	(D)	-	(D)	-	(D)	-	578

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

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

Item	Schenectady	Schoharie	Schuyler	Seneca	Steuben	Suffolk	Sullivan	Tioga
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	48	162	137	251	616	357	173	309
1997	80	299	205	310	767	479	152	296
acres treated, 2002	2,633	19,239	10,876	69,812	74,696	18,846	11,514	50,590
1997	2,437	21,937	12,253	62,843	75,202	27,536	9,436	21,206
Cropland fertilized, except cropland pastured farms, 2002	46	158	137	245	615	324	154	308
1997	80	288	198	299	753	477	142	295
acres treated, 2002	2,440	18,785	10,876	68,548	73,114	17,452	10,334	40,511
1997	2,272	21,568	12,171	62,391	73,959	(D)	8,567	20,333
Pastureland and rangeland fertilized farms, 2002	15	32	-	41	90	53	70	143
1997	10	32	7	33	55	2	36	25
acres treated, 2002	193	454	-	1,264	1,582	1,394	1,180	10,079
1997	165	369	82	452	1,243	(D)	869	873
Manure farms, 2002	49	229	101	143	484	25	199	320
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	2,379	16,935	6,407	12,115	38,197	447	19,622	27,343
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	12	18	62	103	138	253	30	119
1997	36	81	88	112	263	339	53	77
acres treated, 2002	180	2,023	1,749	12,414	19,262	13,217	540	12,057
1997	649	5,742	3,861	8,605	21,376	18,451	1,216	4,130
Weeds, grass, or brush farms, 2002	18	92	93	191	313	155	43	240
1997	4	175	96	281	461	267	45	181
acres treated, 2002	26	6,886	6,417	46,957	46,449	11,248	2,667	21,384
1997	523	7,979	9,266	56,058	45,842	15,458	2,256	10,885
Nematodes farms, 2002	-	-	12	3	13	8	1	37
1997	4	27	-	15	29	28	1	4
acres treated, 2002	-	-	120	(D)	3,028	328	(D)	3,495
1997	4	398	(D)	2,663	487	1,098	(D)	385
Diseases in crops and orchards farms, 2002	10	3	33	41	39	132	-	10
1997	17	16	69	48	139	242	9	28
acres treated, 2002	160	(D)	1,326	2,586	4,677	10,476	-	46
1997	216	258	1,146	2,170	7,562	11,700	68	626
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	4	1	8	7	29	39	-	-
1997	1	7	-	-	33	57	6	2
acres on which used, 2002	12	(D)	232	1,697	4,130	1,836	-	-
1997	(D)	(D)	-	-	3,403	2,444	80	(D)
Item	Tompkins	Ulster	Warren	Washington	Wayne	Westchester	Wyoming	Yates
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	224	255	27	304	425	54	318	504
1997	266	224	38	467	714	57	429	584
acres treated, 2002	29,851	20,196	553	62,409	75,258	1,098	98,508	45,254
1997	45,243	18,345	1,084	62,716	104,525	1,392	79,645	53,697
Cropland fertilized, except cropland pastured farms, 2002	218	253	27	294	424	51	317	504
1997	261	224	36	464	693	55	411	568
acres treated, 2002	28,943	19,692	515	58,891	74,751	817	95,980	44,961
1997	44,395	17,675	828	59,906	104,052	(D)	78,208	52,300
Pastureland and rangeland fertilized farms, 2002	24	28	7	60	10	10	41	56
1997	24	19	4	100	36	4	49	52
acres treated, 2002	908	504	38	3,518	507	281	2,528	293
1997	848	670	256	2,810	473	(D)	1,437	1,367
Manure farms, 2002	162	153	20	361	257	10	260	327
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	17,815	4,114	166	33,767	11,363	272	65,351	18,533
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	62	131	19	127	228	31	152	343
1997	99	165	6	142	420	28	191	355
acres treated, 2002	6,669	11,058	64	11,224	31,066	470	41,321	17,851
1997	9,529	15,791	8	16,885	47,479	532	32,424	17,352
Weeds, grass, or brush farms, 2002	143	107	8	186	315	16	299	485
1997	221	114	8	269	466	20	306	411
acres treated, 2002	14,814	9,789	(D)	25,066	54,853	286	63,312	28,079
1997	30,710	8,553	(D)	32,496	76,738	403	49,872	32,322
Nematodes farms, 2002	2	11	3	20	14	2	8	23
1997	6	27	-	10	7	1	25	9
acres treated, 2002	(D)	(D)	3	1,070	673	(D)	3,367	518
1997	1,081	369	-	2,010	(D)	(D)	2,874	1,744
Diseases in crops and orchards farms, 2002	43	108	5	53	182	12	42	189
1997	47	103	2	35	335	18	35	147
acres treated, 2002	1,108	8,305	6	1,307	15,215	188	4,205	5,248
1997	334	6,808	(D)	1,528	30,528	386	4,567	7,519
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	3	26	2	2	135	6	6	51
1997	7	35	-	10	249	5	19	27
acres on which used, 2002	36	5,166	(D)	(D)	11,547	79	2,441	1,422
1997	(D)	4,560	-	574	19,906	90	1,952	800

¹ Data for 1997 exclude lime.

² Data for 1997 include treatment of crops, including hay, but not other land.