

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978

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

Chemicals used	Ohio						
	Ohio	Adams	Allen	Ashland	Ashtabula	Athens	Auglaize
Commercial fertilizer ----- farms, 1982..	65 404	1 277	991	954	899	360	1 007
	1978..	1 394	1 049	974	927	333	1 092
	acres on which used, 1982..	7 986 538	54 186	123 369	113 309	62 265	11 958
	1978..	7 976 043	52 061	128 406	97 449	46 616	9 274
Cropland fertilized, except pastureland ----- farms, 1982..	64 194	1 262	991	923	895	323	1 007
	1978..	1 382	1 049	974	927	324	1 092
	acres on which used, 1982..	7 849 420	49 261	123 259	111 245	60 152	10 403
	1978..	7 809 418	43 679	127 719	95 011	44 221	7 827
Pastureland and rangeland fertilized ----- farms, 1982..	5 847	133	11	121	94	96	21
	1978..	6 672	259	49	129	95	72
	acres on which used, 1982..	137 118	4 925	110	2 064	2 113	1 555
	1978..	166 625	8 382	687	2 438	2 395	1 447
Lime ----- farms, 1982..	15 676	387	162	420	307	114	170
	1978..	17 641	320	245	510	397	95
	acres on which used, 1982..	464 881	5 260	6 816	11 101	9 865	1 646
	1978..	577 021	5 775	10 014	16 255	8 942	1 303
Sprays, dusts, granules, fumigants, etc., to control----- farms, 1982..	19 546	216	232	348	223	42	300
	1978..	20 225	241	289	304	163	55
	acres on which used, 1982..	1 857 524	8 998	18 759	35 438	7 875	1 470
	1978..	1 807 205	6 559	30 713	20 302	4 829	1 809
Nematodes in crops ----- farms, 1982..	2 107	4	12	28	1	1	46
	1978..	3 034	22	55	56	48	4
	acres on which used, 1982..	213 979	(D)	705	3 245	(D)	(D)
	1978..	253 183	568	4 799	4 455	1 603	64
Diseases in crops and orchards ----- farms, 1982..	4 221	128	34	35	152	20	42
	1978..	4 378	23	54	63	202	29
	acres on which used, 1982..	187 799	716	840	982	2 673	468
	1978..	228 677	63	3 272	2 808	5 991	256
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	47 970	442	803	676	565	154	852
	1978..	51 229	664	814	865	658	175
	acres on which used, 1982..	6 702 823	30 803	100 067	68 489	40 033	5 933
	1978..	6 131 605	32 116	101 982	63 242	29 637	5 445
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	2 589	123	25	77	55	15	33
	1978..	2 208	108	9	11	39	22
	acres on which used, 1982..	131 839	632	554	2 762	1 892	321
	1978..	97 567	617	104	605	1 031	473

Chemicals used	Ohio						
	Belmont	Brown	Butler	Carroll	Champaign	Clark	Clermont
Commercial fertilizer ----- farms, 1982..	378	1 591	761	568	825	652	875
	1978..	405	1 633	845	539	912	728
	acres on which used, 1982..	12 883	95 709	92 834	30 313	158 507	126 081
	1978..	12 150	101 621	84 747	28 301	142 332	148 771
Cropland fertilized, except pastureland ----- farms, 1982..	370	1 570	729	550	818	636	845
	1978..	395	1 609	834	539	899	921
	acres on which used, 1982..	10 785	91 877	91 511	27 260	157 433	124 370
	1978..	10 984	96 960	81 046	25 534	138 898	145 488
Pastureland and rangeland fertilized ----- farms, 1982..	70	163	73	120	52	49	89
	1978..	63	173	145	118	108	91
	acres on which used, 1982..	2 098	3 832	1 323	3 053	1 074	1 711
	1978..	1 166	4 661	3 701	2 767	3 434	3 283
Lime ----- farms, 1982..	153	480	89	288	82	76	244
	1978..	152	479	73	293	135	87
	acres on which used, 1982..	2 271	6 291	1 959	6 690	2 975	2 788
	1978..	2 006	13 534	3 012	6 501	4 533	6 654
Sprays, dusts, granules, fumigants, etc., to control----- farms, 1982..	49	383	349	136	347	327	218
	1978..	77	389	278	190	316	211
	acres on which used, 1982..	1 272	15 048	43 353	7 735	57 652	41 284
	1978..	1 698	17 991	18 072	7 735	44 158	36 047
Nematodes in crops ----- farms, 1982..	11	28	26	6	37	17	16
	1978..	-	82	78	14	46	12
	acres on which used, 1982..	271	1 413	5 766	175	6 916	4 622
	1978..	-	3 171	5 509	182	7 503	1 902
Diseases in crops and orchards ----- farms, 1982..	52	187	48	18	36	32	98
	1978..	16	24	31	26	43	45
	acres on which used, 1982..	832	2 539	1 666	(D)	5 014	2 704
	1978..	476	1 950	1 975	1 731	3 758	3 802
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	228	791	544	361	653	524	443
	1978..	300	905	601	353	741	611
	acres on which used, 1982..	5 454	78 675	66 735	14 752	127 159	116 639
	1978..	5 709	83 801	60 297	12 935	111 625	121 206
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	18	152	20	-	10	32	45
	1978..	1	146	20	16	21	19
	acres on which used, 1982..	164	1 368	258	-	908	6 181
	1978..	(D)	2 522	962	980	908	611

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	Clinton		Columbiana		Coshocton		Crawford		Cuyahoga		Darke		Defiance	
	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978
Commercial fertilizer ----- farms,	747	907	822	817	691	710	815	891	116	95	1 809	1 892	804	940
acres on which used,	145 591	159 829	69 804	59 580	52 600	55 088	152 170	135 445	4 774	3 515	235 791	222 942	112 544	106 175
1978														
Cropland fertilized, except pastureland ----- farms,	739	895	822	813	667	710	815	891	106	95	1 808	1 877	804	940
acres on which used,	144 500	158 487	68 045	58 525	48 938	50 122	151 615	134 492	4 674	3 515	235 195	221 573	112 083	105 886
1978														
Pastureland and rangeland fertilized ----- farms,	39	70	102	55	120	161	35	51	10	-	70	106	29	38
acres on which used,	1 091	1 342	1 759	1 055	3 662	4 966	555	953	100	-	596	1 369	461	289
1978														
Lime ----- farms,	104	186	525	418	275	273	193	279	61	45	213	223	112	163
acres on which used,	3 321	8 647	15 696	10 647	7 498	7 804	7 857	12 816	1 161	686	6 971	6 757	2 857	5 301
1978														
tons,	6 722	19 564	28 394	23 279	15 324	16 951	18 499	31 798	1 739	832	14 671	13 753	4 260	10 995
1978														
Sprays, dusts, granules, fumigants, etc., to control—														
insects on hay and other crops ----- farms,	308	296	267	290	240	266	218	232	78	70	645	660	173	208
acres on which used,	47 107	49 893	22 055	14 647	24 069	16 973	23 067	24 916	497	2 067	54 939	54 889	20 531	26 500
1978														
Nematodes in crops ----- farms,	16	54	22	25	13	23	11	20	2	1	44	94	16	68
acres on which used,	3 439	7 532	3 014	1 800	1 915	3 472	545	3 859	(D)	(D)	5 885	7 519	1 306	3 715
1978														
Diseases in crops and orchards ----- farms,	25	41	73	110	34	32	24	60	45	56	109	64	32	52
acres on which used,	2 463	7 325	4 625	3 691	2 197	1 277	1 372	3 459	114	794	4 340	4 879	3 201	2 916
1978														
Weeds, grass, or brush in crops and pasture ----- farms,	553	709	519	613	478	453	692	731	83	19	1 474	1 496	692	711
acres on which used,	113 574	127 673	38 699	34 180	38 032	33 216	134 245	122 787	3 440	1 171	191 828	185 204	110 523	92 467
1978														
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms,	37	77	41	19	10	8	37	13	11	5	43	21	9	20
acres on which used,	1 675	5 808	2 024	1 587	248	208	1 544	523	34	8	4 321	1 905	1 100	941
1978														

Chemicals used	Delaware		Erie		Fairfield		Fayette		Franklin		Fulton		Gallia	
	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978
Commercial fertilizer ----- farms,	669	756	462	404	1 035	1 012	572	632	462	537	948	1 101	809	738
acres on which used,	107 495	124 995	70 269	63 849	152 036	124 063	150 859	151 216	81 806	81 227	168 753	177 170	19 847	17 849
1978														
Cropland fertilized, except pastureland ----- farms,	638	756	462	404	1 014	995	552	632	448	530	932	1 101	802	738
acres on which used,	106 789	124 096	70 050	63 549	147 946	119 802	149 415	149 871	81 097	80 366	168 519	177 075	15 592	13 745
1978														
Pastureland and rangeland fertilized ----- farms,	41	56	9	28	115	131	51	36	24	41	28	11	127	123
acres on which used,	706	899	219	300	4 090	4 261	1 444	1 345	709	861	234	95	4 255	4 104
1978														
Lime ----- farms,	111	154	105	69	153	168	70	84	50	47	144	165	258	123
acres on which used,	4 933	8 398	4 536	2 815	9 105	7 084	4 311	5 450	2 445	1 634	9 604	7 181	3 180	2 292
1978														
tons,	10 846	19 354	10 520	7 026	23 738	17 964	8 135	13 013	5 409	2 082	12 336	12 078	7 292	5 991
1978														
Sprays, dusts, granules, fumigants, etc., to control—														
insects on hay and other crops ----- farms,	269	226	183	211	353	261	146	195	150	215	480	437	120	115
acres on which used,	25 086	23 669	15 549	14 787	54 053	33 227	28 539	41 279	21 398	33 715	69 954	65 436	1 781	1 720
1978														
Nematodes in crops ----- farms,	5	61	29	29	52	86	3	23	57	24	78	94	2	16
acres on which used,	8 631	8 631	1 534	2 154	12 201	9 432	521	2 812	2 951	2 479	10 134	7 268	(D)	109
1978														
Diseases in crops and orchards ----- farms,	17	48	42	72	78	28	3	20	32	49	84	64	124	43
acres on which used,	659	1 445	3 026	3 022	4 503	2 886	(D)	2 863	766	3 422	6 631	4 946	566	227
1978														
Weeds, grass, or brush in crops and pasture ----- farms,	491	666	364	324	839	756	491	490	347	401	822	785	235	225
acres on which used,	109 296	112 601	61 756	46 450	115 512	92 413	146 255	131 866	76 140	66 657	158 062	133 720	7 136	4 728
1978														
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms,	26	23	19	14	56	18	13	13	19	10	25	28	88	79
acres on which used,	1 643	1 701	749	1 989	5 599	952	2 370	1 421	97	249	2 975	1 967	975	378
1978														

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Chemicals used	Counties						
	Geauga	Greene	Guernsey	Hamilton	Hancock	Hardin	Harrison
Commercial fertilizer ----- farms, 1982..	480	748	472	171	1 053	915	230
1978..	421	818	525	239	1 215	1 078	269
acres on which used, 1982..	19 888	121 132	14 197	12 201	177 756	153 779	11 814
1978..	15 117	119 367	13 210	11 703	186 595	156 331	9 850
Cropland fertilized, except pastureland ----- farms, 1982..	462	739	434	152	1 053	914	224
1978..	420	804	519	233	1 215	1 078	260
acres on which used, 1982..	19 089	119 948	12 128	11 708	177 689	153 134	10 827
1978..	14 719	117 860	11 798	11 623	186 305	154 781	9 051
Pastureland and rangeland fertilized ----- farms, 1982..	61	48	95	28	9	25	33
1978..	41	75	114	11	33	37	45
acres on which used, 1982..	799	1 184	2 069	493	67	645	987
1978..	398	1 507	1 412	80	290	1 550	799
Lime ----- farms, 1982..	290	40	193	21	253	131	83
1978..	213	59	163	57	319	259	97
acres on which used, 1982..	8 418	1 746	3 419	281	8 990	6 842	2 039
1978..	3 308	2 987	2 063	789	12 673	11 017	1 461
tons, 1982..	15 974	3 748	6 375	601	21 492	17 879	5 097
1978..	7 729	6 350	5 426	835	29 320	24 475	3 698
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms, 1982..	114	289	101	95	242	231	28
1978..	105	197	108	98	311	259	110
acres on which used, 1982..	2 822	37 008	2 350	10 192	29 562	30 046	2 367
1978..	2 043	24 747	3 723	1 898	32 687	31 629	2 916
Nematodes in crops ----- farms, 1982..	39	52	18	14	63	13	9
1978..	21	29	11	19	50	47	2
acres on which used, 1982..	876	6 428	206	777	5 676	2 864	1 325
1978..	1 997	3 127	136	723	3 652	5 709	(D)
Diseases in crops and orchards ----- farms, 1982..	63	65	32	23	62	45	7
1978..	57	58	47	51	70	15	5
acres on which used, 1982..	618	2 947	208	702	5 506	6 295	62
1978..	572	2 941	669	850	4 108	2 126	25
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	292	522	239	77	915	666	171
1978..	251	653	324	113	991	791	161
acres on which used, 1982..	11 407	100 893	8 344	10 157	170 550	149 312	8 254
1978..	6 657	98 601	7 260	8 572	147 439	131 099	3 123
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	17	27	11	8	81	60	2
1978..	1	11	28	3	18	7	3
acres on which used, 1982..	240	2 201	132	20	6 963	2 632	(D)
1978..	(D)	1 159	528	220	1 542	400	64

Chemicals used	Counties						
	Henry	Highland	Hocking	Holmes	Huron	Jackson	Jefferson
Commercial fertilizer ----- farms, 1982..	1 070	1 160	229	1 221	854	268	297
1978..	1 155	1 303	264	1 164	976	289	279
acres on which used, 1982..	164 217	143 351	8 483	63 286	130 580	17 962	14 811
1978..	157 053	130 904	11 423	63 660	141 523	15 095	8 206
Cropland fertilized, except pastureland ----- farms, 1982..	1 070	1 150	212	1 172	847	239	292
1978..	1 155	1 303	261	1 146	976	289	275
acres on which used, 1982..	(D)	138 549	6 892	59 713	130 114	13 569	12 760
1978..	(D)	125 323	10 575	59 805	140 349	11 288	7 553
Pastureland and rangeland fertilized ----- farms, 1982..	1	112	77	232	25	119	81
1978..	5	154	49	277	43	75	41
acres on which used, 1982..	(D)	4 802	1 591	3 573	466	4 393	2 051
1978..	(D)	5 581	848	3 855	1 174	3 807	653
Lime ----- farms, 1982..	121	216	69	607	121	98	158
1978..	138	308	41	498	334	121	118
acres on which used, 1982..	4 612	7 213	1 097	11 845	6 931	1 565	2 870
1978..	6 263	10 648	902	7 764	17 553	1 647	1 913
tons, 1982..	8 248	15 559	2 825	23 658	17 952	3 860	7 359
1978..	11 393	23 523	2 558	14 887	47 214	4 836	3 532
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms, 1982..	312	243	57	439	183	73	55
1978..	276	299	34	435	227	68	64
acres on which used, 1982..	37 641	19 373	1 335	14 545	24 819	2 914	1 575
1978..	27 115	16 838	910	10 575	29 312	1 944	1 175
Nematodes in crops ----- farms, 1982..	42	43	1	27	18	1	6
1978..	92	62	-	27	47	7	-
acres on which used, 1982..	2 087	3 134	(D)	1 425	2 990	(D)	300
1978..	8 138	4 609	-	870	2 753	29	-
Diseases in crops and orchards ----- farms, 1982..	46	110	1	41	30	21	2
1978..	111	16	1	49	44	19	27
acres on which used, 1982..	4 549	921	(D)	1 360	5 248	900	(D)
1978..	7 576	1 005	(D)	384	3 499	352	187
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	925	836	104	871	699	75	205
1978..	988	873	179	903	801	162	199
acres on which used, 1982..	157 283	112 289	4 982	30 679	123 211	4 685	6 558
1978..	133 663	109 154	5 635	33 937	130 854	10 905	5 522
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	34	24	1	24	20	4	12
1978..	24	43	6	32	18	24	11
acres on which used, 1982..	1 763	816	(D)	1 032	139	440	175
1978..	1 130	351	336	439	2 124	262	98

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	County							
	Knox	Lake	Lawrence	Licking	Logan	Lorain	Lucas	
Commercial fertilizer ----- farms, 1982..	919	178	439	1 097	826	807	423	
1978..	1 081	186	380	1 127	955	856	446	
acres on which used, 1982..	109 476	6 200	10 101	115 422	138 838	84 693	61 367	
1978..	109 194	5 595	6 308	123 733	156 068	74 733	63 487	
Cropland fertilized, except pastureland ----- farms, 1982..	885	178	427	1 068	793	807	417	
1978..	1 081	180	380	1 127	955	856	446	
acres on which used, 1982..	105 628	(D)	8 686	111 338	137 506	83 696	61 337	
1978..	105 103	5 517	5 713	116 619	154 393	74 189	63 391	
Pastureland and rangeland fertilized ----- farms, 1982..	134	8	50	155	75	42	6	
1978..	146	18	32	158	59	39	8	
acres on which used, 1982..	3 848	(D)	1 415	4 084	1 332	997	30	
1978..	4 091	78	595	7 114	1 675	544	96	
Lime ----- farms, 1982..	309	49	99	297	72	252	47	
1978..	415	58	68	263	140	305	67	
acres on which used, 1982..	15 007	818	733	9 561	2 733	9 840	1 341	
1978..	15 766	998	840	8 319	5 889	10 134	3 959	
tons, 1982..	27 494	2 044	1 549	19 350	7 286	23 008	2 562	
1978..	35 867	2 308	1 744	19 084	11 484	30 051	6 427	
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	364	131	79	344	314	234	147	
1978..	345	120	41	374	372	236	146	
acres on which used, 1982..	33 669	3 205	1 004	27 402	45 300	16 712	12 198	
1978..	23 162	3 626	732	33 044	43 239	14 742	13 994	
Nematodes in crops ----- farms, 1982..	51	-	1	40	22	19	13	
1978..	40	1	-	20	48	24	28	
acres on which used, 1982..	4 831	-	(D)	4 847	2 690	1 827	994	
1978..	1 640	(D)	-	3 895	7 218	2 180	2 960	
Diseases in crops and orchards ----- farms, 1982..	81	80	56	60	31	86	38	
1978..	76	117	1	37	34	160	60	
acres on which used, 1982..	2 099	2 235	213	2 854	1 664	1 815	2 463	
1978..	4 500	2 568	(D)	1 666	3 176	3 761	4 134	
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	753	133	186	807	683	697	402	
1978..	793	85	160	871	718	684	388	
acres on which used, 1982..	73 064	5 377	5 941	100 157	130 489	75 818	64 552	
1978..	69 876	3 229	3 213	97 214	114 959	69 257	52 939	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	43	8	23	54	40	29	21	
1978..	64	7	24	20	16	24	16	
acres on which used, 1982..	2 051	85	127	5 532	2 541	1 305	1 442	
1978..	4 137	16	56	683	277	861	1 143	

Chemicals used	County							
	Madison	Mahoning	Marion	Medina	Meigs	Mercer	Miami	Monroe
Commercial fertilizer ----- farms, 1982..	651	548	651	825	399	1 352	901	428
1978..	707	562	696	868	369	1 377	1 004	508
acres on which used, 1982..	168 182	38 539	133 278	60 022	17 549	193 287	115 797	10 792
1978..	184 095	39 219	133 648	60 694	16 500	178 551	127 809	13 842
Cropland fertilized, except pastureland ----- farms, 1982..	642	513	642	806	392	1 346	896	419
1978..	707	557	696	864	360	1 377	999	491
acres on which used, 1982..	167 100	37 474	132 647	59 444	14 930	192 861	115 266	7 983
1978..	182 371	38 582	132 802	59 434	13 098	177 897	127 101	11 222
Pastureland and rangeland fertilized ----- farms, 1982..	53	83	14	60	102	54	37	109
1978..	47	37	38	112	88	27	44	141
acres on which used, 1982..	1 082	1 065	631	578	2 619	426	531	2 809
1978..	1 724	637	846	1 260	3 402	654	708	2 620
Lime ----- farms, 1982..	40	272	96	320	114	279	86	166
1978..	134	239	163	334	89	309	112	143
acres on which used, 1982..	3 388	8 430	6 716	6 238	2 756	9 228	3 393	1 492
1978..	11 006	7 883	12 307	7 369	1 812	10 542	4 715	1 717
tons, 1982..	8 303	16 001	11 999	15 071	6 432	21 565	6 968	2 907
1978..	20 378	16 217	27 062	16 164	3 229	26 044	9 469	4 745
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	234	153	194	194	115	440	394	72
1978..	235	171	180	186	95	433	332	117
acres on which used, 1982..	30 064	9 239	29 449	10 010	4 470	40 238	31 165	913
1978..	53 117	5 577	28 697	10 303	2 110	33 375	30 056	2 852
Nematodes in crops ----- farms, 1982..	22	13	16	26	1	51	28	26
1978..	37	1	22	31	4	40	89	-
acres on which used, 1982..	5 547	865	2 900	1 013	(D)	4 009	2 478	326
1978..	3 423	(D)	1 996	862	4	3 658	6 317	-
Diseases in crops and orchards ----- farms, 1982..	26	60	21	59	35	41	53	17
1978..	20	62	24	74	32	59	70	17
acres on which used, 1982..	1 469	1 016	142	860	449	2 731	3 931	31
1978..	2 284	3 189	993	885	487	6 795	6 845	33
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	552	435	501	649	206	1 124	759	174
1978..	585	422	834	627	188	951	841	233
acres on which used, 1982..	173 898	26 491	140 731	44 957	8 236	143 527	116 884	3 462
1978..	166 067	21 580	122 994	40 177	5 828	103 993	108 391	3 505
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	32	12	18	36	12	8	44	27
1978..	9	26	2	14	21	29	26	5
acres on which used, 1982..	5 912	339	1 139	1 891	106	1 013	2 289	225
1978..	4 133	582	(D)	428	127	1 152	477	70

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	Montgomery	Morgan	Morrow	Muskingum	Noble	Ottawa	Paulding	Perry
Commercial fertilizer ----- farms, 1982..	780	399	723	782	259	532	610	405
1978..	867	391	886	750	296	528	630	508
acres on which used, 1982..	83 673	18 688	99 820	45 997	7 354	70 732	124 397	31 936
1978..	98 923	12 706	93 095	47 406	9 541	74 608	135 384	28 601
Cropland fertilized, except pastureland ----- farms, 1982..	768	376	718	750	245	532	610	398
1978..	855	391	886	722	288	528	630	508
acres on which used, 1982..	83 071	13 858	99 411	42 959	6 342	70 697	124 397	31 146
1978..	97 651	12 148	91 526	42 825	6 986	74 593	135 277	27 315
Pastureland and rangeland fertilized ----- farms, 1982..	30	112	25	128	34	7	-	71
1978..	70	37	94	136	53	10	17	47
acres on which used, 1982..	602	4 830	409	3 038	1 012	35	-	790
1978..	1 272	558	1 569	4 581	2 555	15	107	1 286
Lime ----- farms, 1982..	56	172	122	330	54	39	84	132
1978..	50	138	246	296	109	59	107	107
acres on which used, 1982..	2 803	2 885	4 203	6 284	559	1 216	4 550	3 595
1978..	2 325	2 081	11 454	7 596	1 270	2 841	6 214	2 783
tons, 1982..	5 728	7 620	9 343	11 617	1 426	2 383	10 989	6 632
1978..	4 629	5 509	26 400	14 582	3 295	5 301	12 676	6 837
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	364	56	173	296	33	116	75	110
1978..	319	75	199	249	56	112	127	108
acres on which used, 1982..	31 821	4 195	13 333	21 407	1 291	9 991	15 583	14 652
1978..	31 447	1 432	18 626	13 831	897	16 633	26 773	7 331
Nematodes in crops ----- farms, 1982..	41	-	28	37	5	10	8	7
1978..	11	1	17	51	4	16	22	40
acres on which used, 1982..	2 624	-	2 573	4 793	650	234	976	(D)
1978..	970	(D)	956	2 549	80	2 044	5 412	1 474
Diseases in crops and orchards ----- farms, 1982..	32	26	31	28	9	62	15	11
1978..	35	7	63	44	25	116	34	24
acres on which used, 1982..	2 262	332	2 173	2 841	698	2 455	1 176	649
1978..	5 613	(D)	3 886	2 093	280	5 085	4 041	82
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	562	241	574	452	128	443	583	261
1978..	608	302	638	549	117	401	563	337
acres on which used, 1982..	64 311	9 563	80 641	27 455	3 102	68 500	144 204	20 522
1978..	67 970	6 812	68 006	30 988	1 967	46 074	131 040	22 924
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	36	13	12	40	-	26	14	2
1978..	18	7	34	13	4	38	5	22
acres on which used, 1982..	434	236	3 134	720	-	1 357	1 858	(D)
1978..	1 223	1 192	1 461	571	20	3 578	125	485

Chemicals used	Pickaway	Pike	Portage	Preble	Putnam	Richland	Ross	Sandusky
Commercial fertilizer ----- farms, 1982..	715	356	692	1 035	1 354	881	657	847
1978..	825	417	652	1 132	1 399	942	705	947
acres on which used, 1982..	197 766	36 343	56 593	156 554	179 395	102 338	128 936	122 728
1978..	213 925	24 502	38 849	153 253	180 173	96 781	120 917	144 074
Cropland fertilized, except pastureland ----- farms, 1982..	702	352	673	1 021	1 337	881	623	847
1978..	825	417	647	1 132	1 399	942	698	947
acres on which used, 1982..	194 355	35 525	55 455	155 705	179 327	99 543	124 789	122 512
1978..	210 413	23 354	37 859	151 265	179 747	93 735	117 510	143 899
Pastureland and rangeland fertilized ----- farms, 1982..	93	29	110	72	18	94	105	15
1978..	100	56	77	84	33	123	70	6
acres on which used, 1982..	3 411	818	1 138	849	68	2 795	4 167	216
1978..	3 512	1 148	990	1 988	426	3 046	3 407	175
Lime ----- farms, 1982..	69	45	300	114	215	274	62	46
1978..	107	71	331	197	343	284	99	89
acres on which used, 1982..	5 000	1 011	11 809	4 213	8 111	7 662	2 519	1 974
1978..	5 515	1 754	7 831	9 648	12 725	9 598	2 755	3 776
tons, 1982..	9 597	1 577	20 665	9 393	19 912	18 452	5 246	3 522
1978..	12 293	4 283	17 440	20 160	31 191	24 241	7 088	10 510
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	259	47	87	478	347	315	121	277
1978..	284	95	162	339	450	213	241	253
acres on which used, 1982..	44 175	7 356	6 818	62 087	31 223	22 512	14 393	27 600
1978..	48 183	5 840	6 885	41 128	46 249	14 096	30 158	23 576
Nematodes in crops ----- farms, 1982..	39	10	7	26	17	36	29	25
1978..	57	14	42	78	70	39	7	14
acres on which used, 1982..	1 427	2 099	2 375	8 574	2 038	3 011	1 373	1 814
1978..	9 060	895	1 218	8 942	3 970	5 417	1 773	1 660
Diseases in crops and orchards ----- farms, 1982..	30	11	29	46	116	54	23	59
1978..	32	10	53	18	143	58	30	91
acres on which used, 1982..	6 766	128	1 528	3 916	4 518	1 687	1 556	4 917
1978..	2 593	275	1 673	2 289	8 742	1 660	1 685	6 988
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	584	201	469	793	1 151	582	469	759
1978..	639	229	496	844	1 121	732	470	809
acres on which used, 1982..	156 506	26 767	40 459	111 604	167 242	58 815	105 507	122 174
1978..	160 226	19 904	23 948	112 185	147 236	66 791	79 401	122 029
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	31	29	35	19	49	65	11	47
1978..	44	-	19	19	115	23	8	40
acres on which used, 1982..	2 452	4 881	1 542	235	2 449	4 256	750	2 689
1978..	4 030	-	604	351	4 677	282	442	2 652

Table 7. Agricultural Chemicals Used, Including Fertilizer and Lime: 1982 and 1978—Con.

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

Chemicals used	Scioto	Seneca	Shelby	Stark	Summit	Trumbull	Tuscarawas	Union
Commercial fertilizer ----- farms, 1982..	450	1 251	1 018	1 059	185	740	753	782
1978..	578	1 309	1 108	1 020	188	772	781	969
acres on which used, 1982..	20 240	179 768	157 112	91 148	7 993	48 413	50 052	141 185
1978..	39 007	188 113	148 145	80 106	9 958	47 325	44 328	154 698
Cropland fertilized, except pastureland ----- farms, 1982..	412	1 251	1 018	1 032	178	725	720	774
1978..	577	1 309	1 108	1 020	188	772	781	969
acres on which used, 1982..	17 454	179 386	156 391	88 316	7 827	46 748	46 064	140 636
1978..	33 287	186 961	147 063	77 005	9 913	45 664	40 410	153 958
Pastureland and rangeland fertilized ----- farms, 1982..	144	30	32	162	18	70	150	43
1978..	167	49	58	127	7	100	163	66
acres on which used, 1982..	2 786	382	721	2 832	166	1 665	3 988	559
1978..	5 720	1 152	1 082	3 101	45	1 661	3 918	940
Lime ----- farms, 1982..	155	224	163	504	51	309	373	81
1978..	114	362	185	508	54	305	341	202
acres on which used, 1982..	2 486	6 178	5 130	12 570	618	7 723	8 968	2 559
1978..	4 865	12 124	6 007	13 645	1 907	7 693	7 167	7 007
tons, 1982..	5 885	14 386	12 218	24 095	1 788	15 480	18 945	5 643
1978..	10 728	30 968	12 793	27 193	3 779	19 012	15 065	16 724
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1982..	74	294	309	301	91	178	221	213
1978..	113	277	304	408	95	180	317	401
acres on which used, 1982..	4 483	24 920	27 904	24 762	4 615	8 630	17 035	26 655
1978..	4 879	26 498	21 560	17 878	4 313	7 757	12 842	45 097
Nematodes in crops ----- farms, 1982..	2	22	67	55	34	-	11	48
1978..	15	48	46	51	6	47	33	47
acres on which used, 1982..	(D)	1 628	7 674	4 920	1 722	-	1 777	3 748
1978..	168	4 894	2 942	2 276	472	2 052	2 848	3 452
Diseases in crops and orchards ----- farms, 1982..	25	47	46	72	38	70	47	3
1978..	10	62	24	130	25	56	29	19
acres on which used, 1982..	832	2 976	2 338	3 053	885	907	1 089	(D)
1978..	411	6 404	1 585	4 707	276	750	1 122	1 514
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	226	1 068	847	667	71	527	462	662
1978..	334	1 157	811	758	126	558	488	674
acres on which used, 1982..	16 577	171 306	128 672	50 244	4 054	32 377	29 226	144 474
1978..	28 808	163 109	105 563	44 770	6 323	31 292	22 065	128 282
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	37	38	30	20	23	26	30	27
1978..	33	12	13	51	16	19	16	28
acres on which used, 1982..	1 429	1 977	1 088	792	68	405	849	810
1978..	269	1 070	615	1 416	156	252	740	3 900

Chemicals used	Van Wert	Vinton	Warren	Washington	Wayne	Williams	Wood	Wyandot
Commercial fertilizer ----- farms, 1982..	907	131	772	671	1 458	864	1 167	648
1978..	893	158	761	587	1 569	967	1 361	798
acres on which used, 1982..	162 940	6 846	85 923	26 852	156 463	143 099	205 845	126 860
1978..	154 794	8 180	101 318	27 294	145 382	135 359	224 218	140 202
Cropland fertilized, except pastureland ----- farms, 1982..	907	124	757	649	1 416	864	1 167	648
1978..	893	158	750	571	1 565	967	1 361	798
acres on which used, 1982..	162 827	6 275	84 856	23 263	153 841	142 947	205 800	126 522
1978..	(D)	5 750	99 089	22 402	140 747	134 860	223 789	139 656
Pastureland and rangeland fertilized ----- farms, 1982..	21	24	28	142	177	19	3	12
1978..	2	49	86	167	233	30	22	30
acres on which used, 1982..	113	571	1 067	3 589	2 822	152	45	338
1978..	(D)	2 430	2 229	4 892	4 635	499	429	546
Lime ----- farms, 1982..	140	17	77	184	693	126	79	141
1978..	156	17	90	176	846	167	157	187
acres on which used, 1982..	3 942	497	3 824	3 515	23 898	4 318	3 688	5 482
1978..	5 609	1 145	4 893	3 744	23 946	5 432	5 972	12 644
tons, 1982..	8 458	874	8 076	7 750	45 823	8 013	7 808	12 912
1978..	12 706	3 410	9 405	7 587	48 882	9 222	12 590	28 871
Sprays, dusts, granules, fumigants, etc., to control--								
Insects on hay and other crops ----- farms, 1982..	210	28	361	123	649	267	262	140
1978..	318	26	210	203	604	254	350	221
acres on which used, 1982..	14 968	1 559	30 250	3 941	58 136	34 146	25 897	25 471
1978..	44 236	767	21 221	6 922	37 997	31 295	41 097	33 507
Nematodes in crops ----- farms, 1982..	1	5	30	29	90	57	69	8
1978..	47	1	40	1	76	51	57	24
acres on which used, 1982..	(D)	(D)	1 843	720	9 744	5 828	6 888	528
1978..	1 589	5	2 979	(D)	5 041	4 811	7 589	3 051
Diseases in crops and orchards ----- farms, 1982..	41	8	72	57	88	50	73	6
1978..	24	5	79	49	146	65	76	29
acres on which used, 1982..	3 490	128	3 872	765	6 793	3 148	6 393	(D)
1978..	4 024	130	1 580	1 450	5 108	5 712	4 651	2 899
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	878	59	555	352	1 204	690	1 038	638
1978..	718	85	603	375	1 293	677	1 053	611
acres on which used, 1982..	170 412	4 721	76 745	11 598	94 864	115 983	195 213	129 501
1978..	134 478	4 217	86 804	11 519	86 755	94 233	182 908	117 124
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	21	23	21	2	63	8	13	7
1978..	-	5	78	9	26	58	25	20
acres on which used, 1982..	1 599	44	1 272	(D)	3 152	740	2 816	1 621
1978..	-	10	2 934	297	2 261	5 653	2 217	200