

**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	Indiana							
	Indiana	Adams	Allen	Bartholomew	Benton	Blackford	Boone	
Commercial fertilizer ----- farms, 1982..	58 579	899	1 470	620	553	338	751	
	1978..	65 771	1 055	1 505	679	625	813	
	acres on which used, 1982..	9 538 238	134 462	200 949	118 794	148 285	50 926	142 688
		1978..	9 997 971	139 353	208 506	118 918	164 383	165 310
Cropland fertilized, except pastureland ----- farms, 1982..	57 652	893	1 451	588	553	338	751	
	1978..	65 268	1 054	1 505	674	625	808	
	acres on which used, 1982..	9 385 359	134 093	200 635	117 453	147 310	50 684	141 542
		1978..	9 783 947	138 763	206 435	116 329	162 949	163 976
Pastureland and rangeland fertilized ----- farms, 1982..	5 920	28	47	71	17	23	30	
	1978..	7 428	58	95	77	31	70	
	acres on which used, 1982..	152 879	369	314	1 341	975	242	1 146
		1978..	214 024	590	1 571	2 589	1 434	1 334
Lime ----- farms, 1982..	11 758	176	171	135	123	18	114	
	1978..	14 333	161	303	84	180	138	
	acres on which used, 1982..	504 893	5 365	5 903	5 865	9 658	1 281	5 155
		1978..	663 152	5 889	10 707	3 722	14 764	9 447
tons, 1982..	1 095 193	11 444	14 006	15 591	22 813	3 081	10 875	
	1978..	1 547 225	14 879	20 944	9 008	31 094	7 546	
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1982..	20 236	261	406	231	217	38	258	
	1978..	22 579	373	448	254	216	110	
	acres on which used, 1982..	2 807 547	26 676	39 910	36 805	42 488	6 893	33 570
		1978..	2 926 938	31 130	45 975	32 681	48 732	49 917
Nematodes in crops ----- farms, 1982..	2 138	6	38	11	7	6	23	
	1978..	3 737	78	76	46	69	28	
	acres on which used, 1982..	247 550	395	5 248	2 768	490	126	1 278
		1978..	452 158	4 048	9 426	9 584	10 805	2 535
Diseases in crops and orchards ----- farms, 1982..	2 042	9	92	23	15	-	-	
	1978..	2 249	42	138	15	23	2	
	acres on which used, 1982..	151 307	625	2 339	1 555	3 097	-	-
		1978..	176 423	734	10 178	3 168	5 853	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	44 440	734	1 101	441	500	295	630	
	1978..	49 012	795	1 174	499	546	614	
	acres on which used, 1982..	8 781 984	110 700	176 619	103 963	188 721	51 339	146 816
		1978..	8 138 624	107 757	155 347	95 994	168 618	50 923
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	1 901	19	50	21	13	-	7	
	1978..	1 797	32	20	12	10	42	
	acres on which used, 1982..	133 043	2 339	1 343	1 237	4 406	-	2 470
		1978..	111 878	2 105	2 861	349	559	666

  

Chemicals used	Indiana							
	Brown	Carroll	Cass	Clark	Clay	Clinton	Crawford	
Commercial fertilizer ----- farms, 1982..	181	624	737	614	528	679	325	
	1978..	144	743	844	681	636	298	
	acres on which used, 1982..	8 567	166 321	155 163	65 143	85 955	159 203	17 153
		1978..	5 265	164 843	149 231	46 176	98 041	167 622
Cropland fertilized, except pastureland ----- farms, 1982..	151	623	729	592	514	679	302	
	1978..	143	738	844	677	624	292	
	acres on which used, 1982..	7 042	166 026	154 286	61 626	84 946	158 976	12 917
		1978..	4 550	162 418	147 478	44 668	96 105	167 056
Pastureland and rangeland fertilized ----- farms, 1982..	57	19	41	155	43	8	131	
	1978..	29	77	56	64	70	111	
	acres on which used, 1982..	1 525	295	877	3 517	1 009	227	4 236
		1978..	715	2 425	1 753	1 508	1 936	566
Lime ----- farms, 1982..	44	110	122	168	97	126	34	
	1978..	41	223	250	123	137	177	
	acres on which used, 1982..	1 335	6 545	7 935	4 411	4 330	12 268	615
		1978..	649	15 245	12 517	2 756	6 416	13 179
tons, 1982..	3 187	13 504	16 164	12 916	9 429	25 187	1 494	
	1978..	2 069	32 356	29 592	6 864	15 468	26 766	
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1982..	24	354	340	323	152	298	90	
	1978..	36	304	350	276	196	267	
	acres on which used, 1982..	2 713	83 264	51 847	32 110	27 054	45 678	3 490
		1978..	1 361	74 941	51 323	18 997	25 363	46 057
Nematodes in crops ----- farms, 1982..	-	49	29	42	1	20	12	
	1978..	6	54	86	50	28	54	
	acres on which used, 1982..	-	7 372	3 510	5 853	(D)	496	1 466
		1978..	84	11 385	7 936	2 898	3 176	11 861
Diseases in crops and orchards ----- farms, 1982..	-	30	17	86	2	17	9	
	1978..	6	32	36	19	19	11	
	acres on which used, 1982..	-	2 515	4 666	1 893	(D)	252	94
		1978..	43	1 064	4 501	499	2 019	2 654
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	68	524	587	384	476	618	146	
	1978..	84	577	674	365	491	616	
	acres on which used, 1982..	6 401	146 141	143 318	48 013	98 201	169 747	9 665
		1978..	3 277	126 080	126 509	26 134	89 624	158 070
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	-	-	27	42	33	11	23	
	1978..	-	17	25	14	19	7	
	acres on which used, 1982..	-	-	3 031	819	925	236	894
		1978..	-	1 061	2 506	135	835	1 061

**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	Counties							
	Daviess	Dearborn	Decatur	De Kalb	Delaware	Dubois	Elkhart	
Commercial fertilizer ----- farms, 1982..	961	651	670	740	673	679	1 229	
1978..	1 005	665	724	949	792	862	1 238	
acres on which used, 1982..	143 184	22 160	134 851	104 790	123 855	87 849	144 479	
1978..	143 017	25 616	141 545	108 268	134 759	95 379	134 040	
Cropland fertilized, except pastureland ----- farms, 1982..	934	623	662	740	641	643	1 207	
1978..	988	664	718	949	792	848	1 234	
acres on which used, 1982..	136 789	20 928	133 651	104 321	122 833	82 748	143 252	
1978..	136 233	23 376	139 948	107 424	134 157	84 886	132 035	
Pastureland and rangeland fertilized ----- farms, 1982..	200	67	79	27	57	183	116	
1978..	216	111	63	37	41	306	129	
acres on which used, 1982..	6 395	1 232	1 200	469	1 022	5 101	1 227	
1978..	6 784	2 240	1 597	844	602	10 493	2 005	
Lime ----- farms, 1982..	331	155	148	121	83	146	433	
1978..	341	135	145	183	126	190	436	
acres on which used, 1982..	10 882	1 776	7 486	5 071	3 477	3 510	12 298	
1978..	16 082	2 266	6 803	8 410	8 128	5 565	16 024	
tons, 1982..	19 537	3 900	15 205	7 828	7 125	8 885	24 516	
1978..	35 503	5 586	14 524	16 010	20 046	14 816	28 995	
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	307	167	322	260	169	215	493	
1978..	278	214	349	331	231	253	590	
acres on which used, 1982..	36 525	4 481	62 001	25 675	30 249	25 812	52 221	
1978..	43 166	5 326	65 715	21 620	25 479	29 371	45 338	
Nematodes in crops ----- farms, 1982..	15	30	40	37	2	15	65	
1978..	46	6	35	87	44	55	79	
acres on which used, 1982..	2 129	757	9 176	1 921	(D)	4 745	7 330	
1978..	9 890	120	5 406	6 316	5 470	8 824	4 649	
Diseases in crops and orchards ----- farms, 1982..	43	42	4	45	16	21	31	
1978..	14	37	10	52	27	21	55	
acres on which used, 1982..	2 876	771	2 011	2 738	1 225	2 192	2 356	
1978..	1 987	345	2 974	3 590	1 661	836	2 029	
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	689	299	533	630	550	422	910	
1978..	745	318	549	677	643	628	944	
acres on which used, 1982..	108 385	16 383	107 921	86 639	127 206	56 463	95 524	
1978..	110 229	17 916	101 956	72 314	120 583	59 637	93 931	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	29	26	11	12	13	35	49	
1978..	39	21	12	11	28	32	19	
acres on which used, 1982..	3 356	156	40	821	186	1 620	4 165	
1978..	1 703	73	587	323	9 272	752	2 061	

  

Chemicals used	Counties							
	Fayette	Floyd	Fountain	Franklin	Fulton	Gibson	Grant	
Commercial fertilizer ----- farms, 1982..	377	346	538	855	662	700	675	
1978..	405	325	570	855	702	851	726	
acres on which used, 1982..	64 348	7 858	102 247	71 706	128 480	157 341	125 307	
1978..	54 383	10 834	113 471	71 407	119 832	183 577	127 656	
Cropland fertilized, except pastureland ----- farms, 1982..	364	290	523	848	653	671	675	
1978..	405	325	570	840	694	848	726	
acres on which used, 1982..	63 981	5 864	101 631	70 121	126 554	156 151	124 990	
1978..	54 160	9 925	111 201	68 796	117 876	179 450	125 621	
Pastureland and rangeland fertilized ----- farms, 1982..	25	140	32	104	55	55	4	
1978..	18	74	53	113	68	64	54	
acres on which used, 1982..	367	1 994	616	1 585	1 926	1 190	317	
1978..	223	909	2 270	2 611	1 956	4 127	2 035	
Lime ----- farms, 1982..	72	56	95	199	139	233	149	
1978..	47	67	172	132	198	290	166	
acres on which used, 1982..	3 658	890	3 548	4 820	8 241	15 566	8 018	
1978..	1 570	832	9 042	3 573	12 293	11 621	9 265	
tons, 1982..	8 159	2 432	6 868	11 509	13 026	34 428	18 790	
1978..	4 227	2 172	23 858	8 736	28 314	28 272	24 891	
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	192	126	145	279	162	288	121	
1978..	122	97	122	282	210	348	219	
acres on which used, 1982..	25 910	2 070	21 454	24 544	26 457	66 307	15 233	
1978..	15 431	2 557	21 628	20 665	31 288	61 916	32 915	
Nematodes in crops ----- farms, 1982..	11	8	14	33	14	10	10	
1978..	3	22	34	41	46	84	15	
acres on which used, 1982..	2 470	29	2 186	1 983	1 640	950	345	
1978..	1 110	388	4 846	1 792	8 051	4 913	4 987	
Diseases in crops and orchards ----- farms, 1982..	21	66	3	58	6	13	14	
1978..	1	36	2	32	14	37	9	
acres on which used, 1982..	476	531	1 907	903	6	1 778	2 668	
1978..	(D)	1 735	(D)	294	2 656	1 510	987	
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	327	184	365	495	497	612	597	
1978..	325	186	518	498	584	747	640	
acres on which used, 1982..	52 372	6 102	106 577	53 382	110 068	149 344	141 582	
1978..	44 508	5 988	122 038	39 179	98 271	160 138	128 417	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	20	14	25	31	2	61	4	
1978..	1	-	29	11	1	32	4	
acres on which used, 1982..	528	280	2 164	436	(D)	7 804	(D)	
1978..	(D)	-	954	532	(D)	578	255	

**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	Greene		Hamilton		Hancock		Harrison		Hendricks		Henry		Howard	
	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978
Commercial fertilizer ----- farms,	754	694	632	720	540	656	983	1 145	692	812	744	845	584	681
acres on which used,	101 723	85 654	102 870	131 326	98 985	108 387	51 932	63 452	100 628	120 758	126 844	140 527	100 468	117 879
Cropland fertilized, except pastureland ----- farms,	671	657	631	720	540	651	920	1 121	651	808	724	844	574	681
acres on which used,	97 410	78 008	101 914	130 565	98 807	107 162	46 170	54 237	99 737	119 339	125 268	138 731	99 722	117 673
Pastureland and rangeland fertilized ----- farms,	161	180	51	36	9	30	234	318	54	50	72	47	24	25
acres on which used,	4 313	7 646	956	761	178	1 225	5 762	9 215	891	1 419	1 576	1 796	746	206
Lime ----- farms,	135	207	76	136	87	99	290	329	120	108	68	97	88	181
acres on which used,	5 860	10 696	5 030	6 857	2 944	8 041	7 236	8 791	3 933	3 933	4 090	5 463	5 136	11 465
tons,	10 226	23 400	9 686	15 716	6 464	15 922	15 600	22 988	8 582	16 243	9 085	12 309	11 032	27 054
Sprays, dusts, granules, fumigants, etc., to control--														
Insects on hay and other crops ----- farms,	191	251	131	195	130	180	357	545	180	230	258	235	194	248
acres on which used,	33 550	25 969	17 769	28 647	17 220	32 009	11 519	13 459	30 878	22 389	27 309	29 087	23 131	41 087
Nematodes in crops ----- farms,	1	18	21	34	34	51	44	97	8	8	18	43	33	45
acres on which used,	(D)	2 113	3 727	3 947	2 673	5 466	552	3 854	2 887	885	492	6 303	2 570	6 426
Diseases in crops and orchards ----- farms,	11	59	36	7	9	33	27	31	10	690	30	20	10	17
acres on which used,	250	3 653	445	40	1 255	3 003	1 139	1 582	391	2 944	1 516	629	1 201	1 386
Weeds, grass, or brush in crops and pasture ----- farms,	411	407	528	607	442	558	488	529	631	612	637	681	534	570
acres on which used,	86 412	61 777	108 209	129 892	120 087	99 127	27 159	38 001	114 144	106 555	130 616	119 007	115 315	107 585
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms,	19	23	17	24	1	40	64	54	29	18	15	22	2	26
acres on which used,	1 571	1 925	98	1 166	(D)	1 821	1 049	425	1 525	2 428	598	1 866	(D)	2 830

  

Chemicals used	Huntington		Jackson		Jasper		Jay		Jefferson		Jennings		Johnson	
	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978	1982	1978
Commercial fertilizer ----- farms,	734	806	771	924	705	810	852	924	856	936	508	595	539	630
acres on which used,	127 596	139 886	113 576	142 276	239 554	223 385	122 635	111 714	49 670	46 752	60 161	68 231	94 850	97 333
Cropland fertilized, except pastureland ----- farms,	732	805	725	919	705	805	844	919	848	936	490	574	518	624
acres on which used,	126 912	139 597	110 414	136 351	237 587	220 647	122 476	110 719	46 228	44 361	56 900	64 692	93 183	97 047
Pastureland and rangeland fertilized ----- farms,	22	31	122	169	46	91	12	39	95	116	76	109	60	19
acres on which used,	684	289	3 162	5 925	1 967	2 738	159	995	3 442	3 442	3 261	3 539	1 667	286
Lime ----- farms,	96	117	219	167	179	184	136	161	173	114	58	85	44	88
acres on which used,	2 744	4 862	7 110	5 942	15 749	16 344	4 201	5 228	3 177	2 021	2 824	1 934	3 436	4 094
tons,	4 376	10 799	17 417	14 240	34 830	38 989	9 684	11 716	7 600	5 662	9 543	6 917	6 629	9 150
Sprays, dusts, granules, fumigants, etc., to control--														
Insects on hay and other crops ----- farms,	168	273	307	332	309	336	153	238	426	329	208	202	177	227
acres on which used,	15 591	40 626	30 058	34 583	64 565	82 585	22 693	20 994	23 614	12 505	22 522	27 984	28 787	31 188
Nematodes in crops ----- farms,	22	48	23	49	16	68	14	44	42	17	14	41	12	16
acres on which used,	777	5 350	1 658	6 807	4 624	10 306	1 331	3 450	3 645	1 370	931	4 609	2 425	998
Diseases in crops and orchards ----- farms,	10	16	11	44	28	7	21	22	38	4	38	17	12	12
acres on which used,	1 459	1 081	413	1 292	4 160	3 205	968	1 252	95	968	1 937	1 908	3 257	2 850
Weeds, grass, or brush in crops and pasture ----- farms,	590	647	581	626	624	639	696	800	405	512	329	430	387	470
acres on which used,	118 182	106 793	92 808	99 557	222 230	186 667	107 203	104 162	35 332	36 251	43 284	54 157	89 823	90 117
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms,	13	8	-	7	10	19	41	17	93	79	45	10	19	7
acres on which used,	975	1 687	-	265	3 379	1 948	3 157	306	538	536	1 217	105	1 796	740

**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	Kosciusko	Lagrange	Lake	La Porte	Lawrence	Madison	
Commercial fertilizer ----- farms, 1982..	711	1 149	1 067	456	800	542	860	
	1978..	800	1 248	1 120	544	670	936	
	acres on which used, 1982..	174 386	178 621	100 020	91 357	193 912	43 586	137 305
	1978..	188 818	181 266	114 178	102 727	183 739	52 770	155 059
Cropland fertilized, except pastureland ----- farms, 1982..	703	1 148	1 028	456	790	482	824	
	1978..	795	1 247	1 119	544	900	641	936
	acres on which used, 1982..	172 538	175 192	97 057	90 744	192 604	40 115	136 368
	1978..	185 285	178 630	111 334	102 314	182 009	46 376	153 793
Pastureland and rangeland fertilized ----- farms, 1982..	65	63	160	17	56	151	63	
	1978..	83	87	148	40	205	47	
	acres on which used, 1982..	1 848	3 429	2 963	613	1 308	3 471	937
	1978..	3 533	2 636	2 844	413	1 730	6 394	1 266
Lime ----- farms, 1982..	161	211	343	88	196	173	138	
	1978..	258	241	429	130	244	143	
	acres on which used, 1982..	12 434	8 721	8 358	6 963	11 877	6 390	5 660
	1978..	14 500	11 720	10 699	11 939	11 202	4 617	6 610
tons, 1982..	24 465	16 478	15 371	12 387	28 768	14 164	10 522	
1978..	33 529	25 759	20 106	27 239	31 081	11 963	15 852	
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1982..	291	431	422	236	313	195	197	
	1978..	313	498	537	249	408	252	254
	acres on which used, 1982..	47 944	73 128	35 239	32 811	77 051	16 935	24 905
	1978..	57 799	60 992	38 885	52 038	74 038	17 670	33 354
Nematodes in crops ----- farms, 1982..	109	52	56	7	41	23	13	
	1978..	112	74	61	28	69	37	
	acres on which used, 1982..	3 983	8 881	3 949	3 402	9 781	2 401	2 194
	1978..	16 320	9 397	8 389	3 955	9 180	4 064	1 832
Diseases in crops and orchards ----- farms, 1982..	97	17	21	41	45	20	29	
	1978..	68	26	39	43	56	19	27
	acres on which used, 1982..	5 949	1 778	563	5 691	5 310	584	2 837
	1978..	7 045	920	1 666	4 395	4 824	585	1 725
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	591	896	772	340	618	297	668	
	1978..	690	885	760	315	645	438	769
	acres on which used, 1982..	184 894	148 463	59 731	92 447	172 948	26 599	161 710
	1978..	152 153	137 542	65 247	70 925	135 107	30 237	150 145
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	33	25	35	10	36	23	30	
	1978..	21	28	19	12	34	10	
	acres on which used, 1982..	2 314	1 057	1 224	141	2 292	1 115	1 001
	1978..	942	1 547	355	1 713	2 317	190	1 354
Chemicals used	County							
	Marion	Marshall	Martin	Miami	Monroe	Montgomery	Morgan	
Commercial fertilizer ----- farms, 1982..	279	966	255	695	332	746	508	
	1978..	323	1 096	296	834	350	919	
	acres on which used, 1982..	31 052	150 623	19 926	128 095	27 247	166 984	79 391
	1978..	42 983	153 427	24 536	131 448	22 644	174 045	74 945
Cropland fertilized, except pastureland ----- farms, 1982..	253	966	215	685	318	734	508	
	1978..	314	1 096	267	831	344	914	
	acres on which used, 1982..	30 436	149 343	17 610	126 817	24 092	165 657	78 881
	1978..	42 096	151 939	22 187	129 825	20 408	172 141	72 557
Pastureland and rangeland fertilized ----- farms, 1982..	35	88	70	61	99	66	22	
	1978..	41	79	95	65	104	77	
	acres on which used, 1982..	616	1 280	2 316	1 278	3 155	1 327	510
	1978..	887	1 488	2 349	1 623	2 236	1 904	2 388
Lime ----- farms, 1982..	46	281	41	143	71	193	92	
	1978..	28	315	70	219	79	277	
	acres on which used, 1982..	1 506	10 762	1 117	4 042	1 459	10 664	3 803
	1978..	941	14 982	1 487	11 992	1 543	18 830	2 556
tons, 1982..	2 960	26 923	2 314	9 534	3 653	21 624	8 247	
1978..	2 546	30 814	4 300	28 455	5 190	40 135	6 470	
Sprays, dusts, granules, fumigants, etc., to control— Insects on hay and other crops ----- farms, 1982..	79	323	88	254	90	261	158	
	1978..	100	340	109	293	100	227	
	acres on which used, 1982..	6 742	40 484	7 253	35 736	6 958	57 525	28 092
	1978..	12 817	31 708	7 498	40 759	6 634	53 704	18 227
Nematodes in crops ----- farms, 1982..	3	30	-	9	13	8	23	
	1978..	34	51	10	46	14	29	
	acres on which used, 1982..	(D)	1 182	-	1 258	103	3 196	1 430
	1978..	2 622	6 994	641	7 317	576	6 455	3 334
Diseases in crops and orchards ----- farms, 1982..	18	21	11	6	6	10	9	
	1978..	46	27	4	31	10	17	
	acres on which used, 1982..	628	4 614	124	(D)	30	2 414	(D)
	1978..	1 888	2 591	48	2 457	165	3 262	3 367
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	225	776	123	605	175	694	403	
	1978..	228	883	185	639	168	737	
	acres on which used, 1982..	36 037	131 572	13 598	115 951	15 670	188 807	64 114
	1978..	30 592	120 519	15 637	111 367	11 118	164 770	58 257
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	1	1	6	2	11	24	28	
	1978..	6	9	-	36	25	49	
	acres on which used, 1982..	(D)	(D)	140	(D)	545	1 598	1 427
	1978..	70	322	-	3 440	307	1 353	5 044

**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	Newton	Noble	Ohio	Orange	Owen	Parke	Perry
Commercial fertilizer ----- farms, 1982..	409	933	255	452	480	445	414
..... 1978..	507	965	254	565	602	533	428
acres on which used, 1982..	139 078	123 454	6 830	45 001	38 248	94 983	33 257
..... 1978..	164 418	119 767	7 779	48 849	49 055	89 376	24 049
Cropland fertilized, except pastureland ----- farms, 1982..	400	928	255	437	425	444	385
..... 1978..	507	965	254	556	568	528	403
acres on which used, 1982..	137 596	123 008	6 424	41 298	34 249	94 511	27 603
..... 1978..	163 729	117 297	6 933	42 585	46 404	87 315	19 150
Pastureland and rangeland fertilized ----- farms, 1982..	25	34	13	107	127	5	195
..... 1978..	29	102	48	136	117	61	170
acres on which used, 1982..	1 482	446	406	3 703	3 999	472	5 654
..... 1978..	689	2 470	846	6 264	2 651	2 061	4 899
Lime ----- farms, 1982..	111	162	37	59	90	93	122
..... 1978..	149	213	25	77	124	105	100
acres on which used, 1982..	12 875	4 960	159	3 065	2 018	4 672	2 203
..... 1978..	14 763	7 441	562	2 244	1 836	4 497	3 841
tons, 1982..	30 223	11 106	316	7 916	5 286	11 282	5 936
..... 1978..	33 960	16 268	1 379	6 001	4 497	10 187	9 888
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms, 1982..	204	331	53	120	136	169	85
..... 1978..	218	328	38	120	115	201	81
acres on which used, 1982..	54 539	37 334	2 296	10 728	13 208	31 955	6 134
..... 1978..	53 594	34 582	2 578	9 592	8 208	33 111	2 361
Nematodes in crops ----- farms, 1982..	18	103	1	25	-	8	1
..... 1978..	56	41	7	38	33	24	9
acres on which used, 1982..	3 148	5 151	(D)	1 708	-	(D)	(D)
..... 1978..	14 514	4 845	65	3 223	1 269	1 880	382
Diseases in crops and orchards ----- farms, 1982..	13	17	6	30	8	36	-
..... 1978..	16	33	7	9	4	37	8
acres on which used, 1982..	5 014	181	84	360	13	7 582	-
..... 1978..	3 109	4 433	18	504	36	1 751	72
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	374	728	50	282	303	398	270
..... 1978..	409	712	113	294	392	440	270
acres on which used, 1982..	143 271	86 854	2 559	28 849	27 009	96 430	12 720
..... 1978..	152 906	76 713	3 916	25 736	37 672	74 871	12 512
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	9	23	21	20	3	35	15
..... 1978..	15	15	11	31	25	27	9
acres on which used, 1982..	(D)	1 578	141	1 042	(D)	6 269	684
..... 1978..	734	500	11	659	400	1 015	266

  

Chemicals used	Pike	Porter	Posey	Pulaski	Putnam	Randolph	Ripley
Commercial fertilizer ----- farms, 1982..	246	514	474	604	598	975	969
..... 1978..	382	610	554	705	823	1 131	1 055
acres on which used, 1982..	45 787	102 496	148 980	188 284	104 974	157 904	96 700
..... 1978..	73 130	108 208	138 588	189 258	117 726	189 922	71 379
Cropland fertilized, except pastureland ----- farms, 1982..	242	514	469	597	578	949	928
..... 1978..	370	610	547	705	814	1 131	1 052
acres on which used, 1982..	45 338	101 881	148 109	186 129	103 162	156 166	93 559
..... 1978..	71 706	106 798	135 774	185 761	115 044	187 201	68 350
Pastureland and rangeland fertilized ----- farms, 1982..	21	23	32	65	73	65	140
..... 1978..	63	44	55	85	77	86	169
acres on which used, 1982..	449	615	871	2 155	1 812	1 738	3 141
..... 1978..	1 424	1 410	2 814	3 497	2 682	2 721	3 029
Lime ----- farms, 1982..	96	117	102	225	114	81	228
..... 1978..	84	139	198	217	111	152	212
acres on which used, 1982..	5 411	6 751	4 930	13 412	4 790	3 351	5 750
..... 1978..	2 114	10 398	10 934	12 799	3 764	5 027	4 117
tons, 1982..	14 065	15 068	13 564	25 153	11 703	5 133	13 090
..... 1978..	5 903	26 565	29 084	30 181	10 344	12 499	11 610
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms, 1982..	72	168	225	237	198	214	314
..... 1978..	130	265	242	262	197	413	405
acres on which used, 1982..	11 867	25 020	47 113	39 215	23 058	22 210	25 944
..... 1978..	20 953	41 879	45 866	57 789	27 428	41 938	17 659
Nematodes in crops ----- farms, 1982..	17	19	32	1	11	24	25
..... 1978..	35	59	34	25	27	33	13
acres on which used, 1982..	2 230	1 093	8 922	(D)	306	842	4 312
..... 1978..	6 306	6 631	5 727	4 620	5 702	3 398	657
Diseases in crops and orchards ----- farms, 1982..	5	24	17	27	3	13	16
..... 1978..	18	38	25	5	20	22	23
acres on which used, 1982..	2 402	1 411	3 315	266	(D)	679	1 356
..... 1978..	1 680	3 487	1 356	2 469	1 565	561	908
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	247	431	443	548	470	836	714
..... 1978..	317	483	445	584	602	834	794
acres on which used, 1982..	42 134	104 047	139 668	162 980	98 970	151 047	84 332
..... 1978..	59 507	100 041	112 631	146 793	88 334	131 063	57 578
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	7	7	30	10	29	34	29
..... 1978..	-	5	33	14	7	46	12
acres on which used, 1982..	250	1 924	1 429	4 011	4 162	2 330	833
..... 1978..	-	78	3 678	3 986	2 103	2 198	1 170

**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	Counties							
	Rush	St. Joseph	Scott	Shelby	Spencer	Starke	Steuben	
Commercial fertilizer ----- farms, 1982..	810	784	360	790	718	425	482	
1978..	784	918	398	884	742	452	578	
acres on which used, 1982..	164 716	118 402	33 184	157 803	94 287	107 158	77 277	
1978..	166 105	128 086	30 694	173 780	77 254	110 312	79 790	
Cropland fertilized, except pastureland ----- farms, 1982..	801	778	341	768	682	425	481	
1978..	784	918	398	879	738	452	578	
acres on which used, 1982..	163 562	117 616	31 575	157 115	88 354	106 098	(D)	
1978..	164 752	127 405	29 512	171 982	70 356	108 607	79 167	
Pastureland and rangeland fertilized ----- farms, 1982..	75	52	60	62	167	24	3	
1978..	51	46	75	72	176	38	38	
acres on which used, 1982..	1 154	786	1 609	688	5 933	1 060	(D)	
1978..	1 353	681	1 182	1 798	6 898	1 705	623	
Lime ----- farms, 1982..	121	187	61	113	199	85	64	
1978..	117	258	155	130	220	139	104	
acres on which used, 1982..	7 935	7 932	1 699	6 715	5 773	5 948	2 732	
1978..	8 209	9 561	4 192	7 504	5 770	7 497	3 610	
tons, 1982..	16 670	13 806	5 632	13 183	15 592	9 820	4 591	
1978..	18 343	24 315	10 134	19 083	15 345	19 970	6 206	
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	393	340	175	328	241	166	230	
1978..	345	282	197	205	194	205	225	
acres on which used, 1982..	79 739	41 367	17 605	43 045	20 557	34 410	39 588	
1978..	59 071	33 719	15 362	43 730	23 208	44 398	22 918	
Nematodes in crops ----- farms, 1982..	25	35	26	11	56	37	46	
1978..	37	76	19	38	14	7	51	
acres on which used, 1982..	3 915	4 997	6 772	2 034	5 864	3 523	3 809	
1978..	6 476	4 274	1 985	3 162	1 404	1 162	6 419	
Diseases in crops and orchards ----- farms, 1982..	5	60	25	31	23	13	21	
1978..	20	66	8	13	7	13	37	
acres on which used, 1982..	2 339	2 921	3 825	3 040	3 991	746	2 052	
1978..	1 175	2 814	632	1 112	508	1 758	3 726	
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	589	647	257	656	535	277	363	
1978..	639	746	236	737	572	340	420	
acres on which used, 1982..	130 820	105 491	25 074	146 914	88 784	98 729	56 255	
1978..	124 967	103 577	21 033	140 269	70 650	87 879	46 958	
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	3	58	13	34	7	17	-	
1978..	19	19	6	43	11	5	2	
acres on which used, 1982..	(D)	1 677	360	3 493	67	1 991	-	
1978..	1 093	2 638	6	3 327	396	1 815	(D)	

  

Chemicals used	Counties							
	Sullivan	Switzerland	Tippecanoe	Tipton	Union	Vanderburgh	Vermillion	Vigo
Commercial fertilizer ----- farms, 1982..	519	616	740	497	303	274	261	405
1978..	599	663	815	574	296	335	285	521
acres on which used, 1982..	109 541	19 333	173 610	116 491	50 930	46 232	53 733	70 574
1978..	120 003	20 319	170 079	105 382	56 036	53 106	55 524	84 614
Cropland fertilized, except pastureland ----- farms, 1982..	506	616	720	497	296	257	261	400
1978..	594	654	808	574	292	325	285	520
acres on which used, 1982..	108 666	18 415	171 645	(D)	50 605	45 574	(D)	70 254
1978..	118 698	18 201	166 179	104 910	55 374	52 398	55 057	83 198
Pastureland and rangeland fertilized ----- farms, 1982..	29	15	63	2	10	38	6	16
1978..	45	76	90	23	26	33	5	32
acres on which used, 1982..	875	918	1 965	(D)	325	658	(D)	320
1978..	1 305	2 118	3 900	472	662	708	467	1 416
Lime ----- farms, 1982..	91	180	99	42	67	86	86	73
1978..	107	166	134	83	32	114	68	80
acres on which used, 1982..	4 847	1 863	6 747	1 980	1 617	2 446	2 521	2 661
1978..	5 157	2 098	8 146	4 337	3 365	3 657	4 160	5 480
tons, 1982..	10 728	5 906	15 395	5 208	3 279	6 779	6 036	7 144
1978..	12 357	5 427	18 754	10 462	7 051	8 392	9 442	14 326
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982..	87	143	278	246	177	70	87	108
1978..	181	139	334	245	111	110	75	180
acres on which used, 1982..	14 858	7 231	63 447	62 132	30 290	12 710	15 186	16 890
1978..	25 966	2 371	54 367	45 024	22 727	10 138	11 392	23 224
Nematodes in crops ----- farms, 1982..	9	5	46	8	17	-	8	-
1978..	75	36	36	25	13	11	9	10
acres on which used, 1982..	1 344	200	8 432	1 500	2 996	-	1 398	-
1978..	12 363	863	4 896	5 613	4 300	2 178	923	2 980
Diseases in crops and orchards ----- farms, 1982..	20	19	10	34	9	9	9	16
1978..	38	17	52	37	2	36	6	26
acres on which used, 1982..	549	341	426	3 135	89	99	3 244	671
1978..	1 905	996	3 797	2 888	(D)	1 715	6	2 405
Weeds, grass, or brush in crops and pasture ----- farms, 1982..	448	183	626	459	212	248	227	339
1978..	531	249	621	446	223	277	261	399
acres on which used, 1982..	114 982	13 728	175 439	115 567	35 374	57 326	70 629	72 022
1978..	109 350	11 845	144 539	96 158	35 680	62 205	64 931	65 850
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982..	17	50	4	30	-	13	21	19
1978..	43	105	17	4	1	9	16	3
acres on which used, 1982..	707	(D)	430	4 352	-	415	4 429	669
1978..	1 576	591	2 141	898	(D)	386	1 197	214

**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	Wabash	Warren	Warrick	Washington	Wayne	Wells	White	Whitley
Commercial fertilizer ----- farms, 1982--	692	395	366	912	792	794	753	788
1978--	795	474	476	1 005	852	907	759	946
acres on which used, 1982--	129 150	98 316	58 477	84 915	114 124	125 561	210 477	111 910
1978--	143 192	99 764	82 182	78 294	122 093	150 967	203 960	127 365
Cropland fertilized, except pastureland ----- farms, 1982--	678	395	360	848	778	789	731	782
1978--	795	466	465	1 001	852	907	759	934
acres on which used, 1982--	128 427	97 061	56 927	77 108	113 004	125 319	209 119	111 564
1978--	141 892	98 130	79 573	67 657	119 379	150 199	202 361	126 013
Pastureland and rangeland fertilized ----- farms, 1982--	29	27	47	235	50	23	71	23
1978--	39	33	105	334	108	47	58	60
acres on which used, 1982--	723	1 255	1 550	7 807	1 120	242	1 358	346
1978--	1 300	1 634	2 609	10 637	2 714	768	1 599	1 352
Lime ----- farms, 1982--	134	42	109	181	56	74	180	47
1978--	168	118	144	175	67	145	218	137
acres on which used, 1982--	5 279	2 657	5 648	5 493	1 538	1 643	16 374	1 365
1978--	7 690	8 071	4 509	7 535	3 095	6 948	18 907	5 026
tons, 1982--	12 335	5 730	13 063	12 407	3 372	3 158	32 594	2 661
1978--	16 662	20 999	13 662	21 122	7 160	14 918	42 227	11 118
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1982--	345	96	96	249	264	233	302	291
1978--	303	118	131	310	291	295	311	309
acres on which used, 1982--	40 939	22 489	10 306	23 401	37 226	24 960	55 786	31 318
1978--	44 476	23 724	23 200	21 947	26 237	38 444	66 936	30 202
Nematodes in crops ----- farms, 1982--	16	19	15	43	35	32	29	98
1978--	103	31	14	46	45	47	48	68
acres on which used, 1982--	3 429	2 427	1 281	2 993	3 394	2 352	4 151	13 663
1978--	14 106	2 940	1 568	3 567	6 229	5 232	6 068	7 494
Diseases in crops and orchards ----- farms, 1982--	25	25	-	26	33	15	53	7
1978--	26	3	7	16	21	14	17	36
acres on which used, 1982--	1 706	1 780	-	1 163	608	3 452	2 006	242
1978--	3 093	729	157	394	955	1 705	5 729	2 042
Weeds, grass, or brush in crops and pasture ----- farms, 1982--	550	359	220	584	604	702	575	606
1978--	621	393	384	650	671	755	613	712
acres on which used, 1982--	107 937	140 001	52 345	55 874	86 787	122 882	200 065	87 152
1978--	114 487	110 117	77 679	48 795	89 716	131 610	174 867	104 466
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1982--	22	11	12	18	13	31	7	18
1978--	32	11	24	27	8	1	12	16
acres on which used, 1982--	2 049	2 957	159	3 127	1 128	5 184	403	223
1978--	1 876	2 685	2 390	468	783	(D)	725	445