

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982**

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

Chemicals used	Indiana	Adams	Allen	Bartholomew	Benton	Blackford	Boone	
Commercial fertilizer ----- farms, 1987--	55 015	985	1 400	597	562	299	683	
	1982--	58 579	899	1 470	620	338	751	
	acres on which used, 1987--	8 797 078	126 560	186 621	104 482	134 191	135 529	
	1982--	9 538 238	134 462	200 949	118 794	148 285	142 688	
Cropland fertilized, except pastureland ----- farms, 1987--	53 488	984	1 384	561	562	299	675	
	1982--	57 062	893	1 451	588	338	751	
	acres on which used, 1987--	8 637 910	125 661	185 032	103 102	133 674	134 637	
	1982--	9 385 359	134 093	200 635	117 453	147 310	141 542	
Pastureland and rangeland fertilized ----- farms, 1987--	5 859	59	96	86	15	15	35	
	1982--	5 920	28	47	71	23	30	
	acres on which used, 1987--	159 168	899	1 569	1 380	517	892	
	1982--	152 879	369	314	1 341	975	1 146	
Lime ----- farms, 1987--	14 424	127	216	179	155	42	150	
	1982--	11 758	176	171	135	123	114	
	acres on which used, 1987--	809 321	5 878	11 342	9 895	16 602	9 004	
	1982--	504 893	5 365	5 903	5 865	9 658	5 155	
tons, 1987--	1 779 039	12 846	20 303	24 406	40 269	4 348	18 403	
1982--	1 095 193	11 444	14 006	15 591	22 813	3 081	10 875	
Sprays, dusts, granules, fumigants, etc., to control--								
	Insects on hay and other crops ----- farms, 1987--	22 202	280	463	235	230	121	179
	1982--	20 236	261	406	231	217	38	258
	acres on which used, 1987--	2 554 975	25 048	36 740	36 799	32 164	9 369	24 302
1982--	2 807 547	26 676	39 910	36 805	42 488	6 893	33 570	
Nematodes in crops ----- farms, 1987--	1 863	27	28	7	11	15	4	
	1982--	2 138	6	38	11	7	23	
	acres on which used, 1987--	(D)	997	1 737	1 781	954	419	840
	1982--	247 550	395	5 246	2 768	490	126	1 278
Diseases in crops and orchards ----- farms, 1987--	2 009	49	33	9	2	8	6	
	1982--	2 042	9	92	23	15	-	
	acres on which used, 1987--	107 218	600	2 543	293	(D)	1 620	24
	1982--	151 307	625	2 339	1 555	3 097	-	-
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	41 804	784	1 163	447	427	258	608	
	1982--	44 440	734	1 101	441	500	295	
	acres on which used, 1987--	7 754 562	103 938	172 865	84 235	166 464	49 953	139 250
	1982--	8 781 984	110 700	176 619	103 963	188 721	51 339	146 816
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	1 609	5	29	19	17	2	22	
	1982--	1 901	19	50	21	13	7	
	acres on which used, 1987--	103 173	421	1 706	1 620	4 473	(D)	5 169
	1982--	133 043	2 339	1 343	1 237	4 406	-	2 470

  

Chemicals used	Brown	Carroll	Cass	Clark	Clay	Clinton	Crawford	
Commercial fertilizer ----- farms, 1987--	116	607	755	485	498	639	258	
	1982--	181	624	737	614	528	679	
	acres on which used, 1987--	3 998	148 826	145 548	49 972	85 822	150 469	11 324
	1982--	8 567	166 321	155 163	65 143	85 955	159 203	17 153
Cropland fertilized, except pastureland ----- farms, 1987--	111	602	736	459	492	632	194	
	1982--	151	623	729	592	514	679	
	acres on which used, 1987--	3 733	148 122	144 386	46 840	85 103	150 196	8 576
	1982--	7 042	166 026	154 286	61 626	84 946	158 976	12 917
Pastureland and rangeland fertilized ----- farms, 1987--	10	21	70	132	38	28	118	
	1982--	57	19	41	155	43	8	
	acres on which used, 1987--	265	704	1 162	3 132	719	273	2 748
	1982--	1 525	295	877	3 517	1 009	227	4 236
Lime ----- farms, 1987--	22	203	246	134	170	196	120	
	1982--	44	110	122	168	97	126	
	acres on which used, 1987--	198	16 261	18 349	5 704	5 676	14 201	2 838
	1982--	1 335	6 545	7 935	4 411	4 330	12 268	615
tons, 1987--	506	35 769	37 330	15 583	12 925	30 373	9 496	
1982--	3 187	13 504	16 164	12 916	9 429	25 187	1 494	
Sprays, dusts, granules, fumigants, etc., to control--								
	Insects on hay and other crops ----- farms, 1987--	61	316	427	220	224	329	32
	1982--	24	354	340	323	152	298	90
	acres on which used, 1987--	1 234	66 773	54 792	12 900	36 904	41 079	1 460
1982--	2 713	83 264	51 847	32 110	27 054	45 678	3 490	
Nematodes in crops ----- farms, 1987--	-	30	31	44	23	18	16	
	-	49	29	42	1	20	12	
	acres on which used, 1987--	-	935	4 312	946	1 205	1 526	355
	1982--	-	7 372	3 510	5 853	(D)	496	1 466
Diseases in crops and orchards ----- farms, 1987--	1	8	29	52	19	31	12	
	-	30	17	86	2	17	9	
	acres on which used, 1987--	(D)	9	1 799	1 115	841	1 727	194
	1982--	-	2 515	4 666	1 893	(D)	252	94
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	64	495	536	316	407	532	122	
	1982--	68	524	587	384	476	618	
	acres on which used, 1987--	1 244	127 893	109 798	36 962	75 438	146 487	5 820
	1982--	6 401	146 141	143 318	48 013	98 201	169 747	9 665
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	27	19	25	18	26	4	6	
	1982--	-	-	27	42	33	23	
	acres on which used, 1987--	85	177	2 625	861	462	3 257	(D)
	1982--	-	-	3 031	819	925	236	894

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—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, 1987..	1 004	545	634	691	659	771	1 076	
	1982..	961	651	670	740	679	1 229	
	acres on which used, 1987..	128 269	25 389	128 792	105 368	113 120	92 203	128 585
	1982..	143 184	22 160	134 851	104 790	123 855	87 849	144 479
Cropland fertilized, except pastureland ----- farms, 1987..	951	522	628	691	645	730	1 041	
	1982..	934	623	662	740	641	643	1 207
	acres on which used, 1987..	122 676	22 916	127 755	104 728	112 443	84 808	127 308
	1982..	136 789	20 928	133 651	104 321	122 833	82 748	143 252
Pastureland and rangeland fertilized ----- farms, 1987..	199	100	34	30	47	230	110	
	1982..	200	67	79	27	57	183	116
	acres on which used, 1987..	5 593	2 473	1 037	640	677	7 395	1 277
	1982..	6 395	1 232	1 200	469	1 022	5 101	1 227
Lime ----- farms, 1987..	352	113	225	81	90	264	391	
	1982..	331	155	148	121	83	146	433
	acres on which used, 1987..	17 457	2 466	16 478	3 469	5 836	14 963	11 599
	1982..	10 882	1 776	7 486	5 071	3 477	3 510	12 298
Sprays, dusts, granules, fumigants, etc., to control—								
	Insects on hay and other crops ----- farms, 1987..	471	155	352	195	177	255	634
	1982..	307	167	322	260	169	215	493
	acres on which used, 1987..	47 567	8 274	58 689	14 193	20 469	32 274	50 791
Nematodes in crops ----- farms, 1987..	27	22	32	46	18	38	61	
	1982..	15	30	40	37	2	65	
	acres on which used, 1987..	3 994	1 762	4 780	1 834	2 398	4 395	4 440
	1982..	2 129	757	9 176	1 921	(D)	4 745	7 330
Diseases in crops and orchards ----- farms, 1987..	27	35	7	23	30	27	31	
	1982..	43	42	4	45	16	31	
	acres on which used, 1987..	2 022	1 627	1 888	508	3 376	650	867
	1982..	2 876	771	2 011	2 738	1 225	2 192	2 356
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	719	266	470	593	545	534	768	
	1982..	689	299	533	630	550	422	910
	acres on which used, 1987..	93 267	16 145	83 551	91 243	107 622	62 335	86 265
	1982..	108 385	16 383	107 921	86 639	127 206	56 463	95 524
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	20	28	35	14	7	27	26	
	1982..	29	26	11	12	13	49	
	acres on which used, 1987..	427	498	3 846	474	175	1 623	421
	1982..	3 356	156	40	821	186	1 620	4 165
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Chemicals used	Counties							
	Fayette	Floyd	Fountain	Franklin	Fulton	Gibson	Grant	
Commercial fertilizer ----- farms, 1987..	430	246	543	687	619	713	606	
	1982..	377	346	538	855	662	700	675
	acres on which used, 1987..	68 325	9 495	113 624	71 214	120 804	146 014	119 671
	1982..	64 348	7 858	102 247	71 706	128 480	157 341	125 307
Cropland fertilized, except pastureland ----- farms, 1987..	430	210	515	671	609	686	605	
	1982..	364	290	523	848	653	671	675
	acres on which used, 1987..	67 379	8 038	111 825	68 210	119 825	144 319	118 753
	1982..	63 981	5 864	101 631	70 121	126 554	156 151	124 990
Pastureland and rangeland fertilized ----- farms, 1987..	24	81	54	99	56	77	36	
	1982..	25	140	32	104	55	4	
	acres on which used, 1987..	946	1 457	1 999	3 004	979	1 695	918
	1982..	367	1 994	616	1 585	1 926	1 190	317
Lime ----- farms, 1987..	109	69	220	214	149	228	169	
	1982..	72	56	95	199	139	233	149
	acres on which used, 1987..	4 522	962	14 805	7 945	7 188	14 072	10 469
	1982..	3 658	890	3 548	4 820	8 241	15 566	8 018
Sprays, dusts, granules, fumigants, etc., to control—								
	Insects on hay and other crops ----- farms, 1987..	211	105	194	344	263	344	138
	1982..	192	126	145	279	162	288	121
	acres on which used, 1987..	22 458	3 118	22 956	27 991	30 646	57 170	18 505
Nematodes in crops ----- farms, 1987..	15	15	6	3	23	29	16	
	1982..	11	8	14	33	14	10	
	acres on which used, 1987..	4 919	450	300	572	1 720	4 769	1 367
	1982..	2 470	29	2 186	1 983	1 640	950	345
Diseases in crops and orchards ----- farms, 1987..	-	30	1	26	1	22	22	
	1982..	21	66	3	58	6	14	
	acres on which used, 1987..	-	406	(D)	663	(D)	2 494	1 166
	1982..	476	531	1 907	903	6	1 778	2 668
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	333	93	416	435	465	598	551	
	1982..	327	184	365	495	497	612	597
	acres on which used, 1987..	50 551	3 893	115 389	45 225	101 807	136 092	130 371
	1982..	52 372	6 102	106 577	53 382	110 068	149 344	141 582
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	-	16	11	13	2	65	8	
	1982..	20	14	25	31	2	4	
	acres on which used, 1987..	-	470	358	158	(D)	8 128	1 587
	1982..	528	280	2 164	436	(D)	7 804	(D)

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

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

Chemicals used	Counties							
	Greene	Hamilton	Hancock	Harrison	Hendricks	Henry	Howard	
Commercial fertilizer ----- farms, 1987--	659	548	584	1 001	695	710	535	
	1982--	754	632	540	983	744	584	
	acres on which used, 1987--	87 734	97 728	93 002	64 386	99 866	107 841	93 290
	1982--	101 723	102 870	98 985	51 932	100 628	126 844	100 468
Cropland fertilized, except pastureland ----- farms, 1987--	571	542	563	936	685	702	535	
	1982--	671	631	540	920	651	574	
	acres on which used, 1987--	80 462	94 839	92 558	57 019	98 716	106 565	(D)
	1982--	97 410	101 914	98 807	46 170	99 737	125 268	99 722
Pastureland and rangeland fertilized ----- farms, 1987--	160	55	39	251	36	42	8	
	1982--	161	51	9	234	54	24	
	acres on which used, 1987--	7 272	2 889	444	7 367	1 150	1 276	(D)
	1982--	4 313	956	178	5 762	891	1 576	746
Lime ----- farms, 1987--	161	135	144	333	126	79	155	
	1982--	135	76	87	290	120	68	88
	acres on which used, 1987--	7 589	6 916	11 562	10 288	7 632	5 658	8 454
	1982--	5 860	5 030	2 944	7 236	3 933	4 090	5 136
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	18 059	17 348	20 998	26 192	16 387	12 869	16 601
	1982--	10 226	9 686	6 464	15 600	8 582	9 085	11 032
	Insects on hay and other crops ----- farms, 1987--	211	222	219	321	202	316	248
		1982--	191	131	130	357	180	258
acres on which used, 1987--		29 338	24 217	19 177	9 873	16 997	30 216	20 174
1982--		33 550	17 769	17 220	11 519	30 878	27 309	23 131
Nematodes in crops ----- farms, 1987--	5	10	11	56	2	11	17	
	1982--	1	21	34	44	8	18	33
	acres on which used, 1987--	1 178	837	2 888	1 182	(D)	1 953	1 786
	1982--	(D)	3 727	2 673	552	2 887	492	2 570
Diseases in crops and orchards ----- farms, 1987--	16	10	7	62	14	22	45	
	1982--	11	36	9	41	10	30	10
	acres on which used, 1987--	218	(D)	2 867	1 616	261	868	389
	1982--	250	445	1 255	1 139	690	1 516	1 201
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	428	480	489	599	594	563	463	
	1982--	411	528	442	488	631	637	534
	acres on which used, 1987--	67 625	93 112	106 683	45 271	110 152	90 088	99 201
	1982--	86 412	108 209	120 087	27 159	114 144	130 616	115 315
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	53	15	23	28	8	2	16	
	1982--	19	17	1	64	29	15	2
	acres on which used, 1987--	368	1 307	354	958	259	(D)	1 773
	1982--	1 571	98	(D)	1 049	1 525	598	(D)

  

Chemicals used	Counties							
	Huntington	Jackson	Jasper	Jay	Jefferson	Jennings	Johnson	
Commercial fertilizer ----- farms, 1987--	687	760	635	717	837	519	497	
	1982--	734	771	705	852	508	539	
	acres on which used, 1987--	112 664	113 051	195 362	108 737	46 158	62 223	81 645
	1982--	127 596	113 576	239 554	122 635	49 670	60 161	94 850
Cropland fertilized, except pastureland ----- farms, 1987--	687	719	620	716	816	482	490	
	1982--	732	725	705	844	848	490	518
	acres on which used, 1987--	112 394	109 217	193 760	107 882	43 950	59 746	80 638
	1982--	126 912	110 414	237 587	122 476	46 228	56 900	93 183
Pastureland and rangeland fertilized ----- farms, 1987--	15	149	49	38	53	109	37	
	1982--	22	122	46	12	95	76	
	acres on which used, 1987--	270	3 834	1 602	855	2 208	2 477	1 007
	1982--	684	3 162	1 967	159	3 442	3 261	1 667
Lime ----- farms, 1987--	121	212	160	108	159	147	126	
	1982--	96	219	179	136	173	58	44
	acres on which used, 1987--	7 120	9 502	18 375	4 420	4 518	5 289	7 027
	1982--	2 744	7 110	15 749	4 201	3 177	2 824	3 436
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	14 397	24 098	38 720	10 716	12 282	15 146	14 425
	1982--	4 376	17 417	34 830	9 684	7 600	9 543	6 629
	Insects on hay and other crops ----- farms, 1987--	195	321	270	237	356	194	244
		1982--	168	307	309	153	426	208
acres on which used, 1987--		16 834	39 587	47 811	23 126	17 725	16 194	33 833
1982--		15 591	30 058	64 565	22 693	23 614	22 522	28 787
Nematodes in crops ----- farms, 1987--	4	35	26	26	8	9	18	
	1982--	22	23	16	14	42	14	12
	acres on which used, 1987--	571	6 474	4 133	2 172	472	1 489	2 938
	1982--	777	1 658	4 624	1 331	3 645	931	2 425
Diseases in crops and orchards ----- farms, 1987--	11	16	12	42	25	6	18	
	1982--	10	11	28	21	38	12	
	acres on which used, 1987--	416	1 442	(D)	2 684	1 304	(D)	2 215
	1982--	1 459	413	4 160	968	95	1 937	3 257
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	552	602	562	647	402	366	398	
	1982--	590	581	624	696	405	329	387
	acres on which used, 1987--	108 108	89 877	185 809	102 851	33 530	49 955	69 618
	1982--	118 182	92 808	222 230	107 203	35 332	43 284	89 823
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	8	53	11	28	65	11	26	
	1982--	13	-	10	41	93	45	19
	acres on which used, 1987--	1 355	1 157	232	3 195	521	335	1 211
	1982--	975	-	3 379	3 157	538	1 217	1 796

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—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, 1987--	702	982	1 016	416	759	560	697	
	1982--	711	1 149	1 067	456	542	860	
	acres on which used, 1987--	174 209	141 192	98 889	94 228	156 043	47 086	141 126
	1982--	174 386	178 621	100 020	91 357	193 912	43 586	137 305
Cropland fertilized, except pastureland ----- farms, 1987--	683	974	982	408	753	530	685	
	1982--	703	1 148	1 028	456	790	482	
	acres on which used, 1987--	171 788	139 612	95 716	93 808	154 500	41 066	140 286
	1982--	172 538	175 182	97 057	90 744	192 604	40 115	136 368
Pastureland and rangeland fertilized ----- farms, 1987--	92	74	158	28	34	121	32	
	1982--	65	63	160	17	56	151	
	acres on which used, 1987--	2 421	1 580	3 173	420	1 543	6 020	840
	1982--	1 848	3 429	2 963	613	1 308	3 471	937
Lime ----- farms, 1987--	341	250	377	73	223	121	155	
	1982--	161	211	343	88	196	173	
	acres on which used, 1987--	24 658	12 082	10 195	7 061	17 969	4 236	8 948
	1982--	12 434	8 721	8 358	6 963	11 877	6 390	5 660
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	54 654	24 401	18 360	15 077	38 889	9 862	23 075
	1982--	24 465	16 478	15 371	12 387	28 768	14 164	10 522
	Insects on hay and other crops ----- farms, 1987--	336	437	575	148	355	143	239
		1982--	291	431	422	236	313	195
acres on which used, 1987--		51 477	52 563	39 550	25 213	63 761	10 867	37 546
1982--		47 944	73 128	35 239	32 811	77 051	16 935	24 905
Nematodes in crops ----- farms, 1987--	61	52	37	17	30	18	11	
	1982--	109	52	56	7	41	23	
	acres on which used, 1987--	5 552	5 647	4 185	3 719	4 906	915	1 191
	1982--	3 983	8 881	3 949	3 402	9 781	2 401	2 194
Diseases in crops and orchards ----- farms, 1987--	68	42	15	53	91	28	70	
	1982--	97	17	21	41	45	20	
	acres on which used, 1987--	5 282	1 430	570	3 691	3 237	662	3 496
	1982--	5 949	1 778	563	5 691	5 310	584	2 837
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	639	754	626	332	573	347	586	
	1982--	591	896	772	340	618	297	
	acres on which used, 1987--	161 380	121 295	56 525	85 157	132 312	28 425	129 698
	1982--	184 894	148 463	59 731	92 447	172 948	26 599	161 710
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	29	2	17	5	37	26	15	
	1982--	33	25	35	10	36	23	
	acres on which used, 1987--	1 942	(D)	1 318	(D)	1 099	1 886	2 285
	1982--	2 314	1 057	1 224	141	2 282	1 115	1 001

  

Chemicals used	County							
	Marion	Marshall	Martin	Miami	Monroe	Montgomery	Morgan	
Commercial fertilizer ----- farms, 1987--	229	909	239	701	407	723	482	
	1982--	279	966	255	695	332	746	
	acres on which used, 1987--	28 580	146 664	19 599	120 632	20 920	153 981	66 665
	1982--	31 052	150 623	19 926	128 095	27 247	166 984	79 391
Cropland fertilized, except pastureland ----- farms, 1987--	221	901	226	701	354	716	476	
	1982--	253	966	215	685	318	734	
	acres on which used, 1987--	27 898	146 116	17 295	119 078	18 549	152 100	65 329
	1982--	30 436	149 343	17 610	126 817	24 092	165 657	78 881
Pastureland and rangeland fertilized ----- farms, 1987--	29	33	62	45	110	57	52	
	1982--	35	88	70	61	99	66	
	acres on which used, 1987--	682	548	2 304	1 554	2 371	1 881	1 336
	1982--	616	1 280	2 316	1 278	3 155	1 327	510
Lime ----- farms, 1987--	17	282	34	174	83	229	95	
	1982--	46	281	41	143	71	193	
	acres on which used, 1987--	1 787	16 148	3 260	9 210	1 826	16 195	4 366
	1982--	1 506	10 762	1 117	4 042	1 459	10 664	3 803
Sprays, dusts, granules, fumigants, etc., to control--	tons, 1987--	4 053	31 081	9 351	19 856	4 978	35 196	7 239
	1982--	2 960	26 923	2 314	9 534	3 653	21 624	8 247
	Insects on hay and other crops ----- farms, 1987--	83	355	77	278	93	366	212
		1982--	79	323	88	254	90	261
acres on which used, 1987--		7 675	32 132	5 498	32 946	4 220	59 549	29 413
1982--		6 742	40 484	7 253	35 736	6 958	57 525	28 092
Nematodes in crops ----- farms, 1987--	10	27	9	10	20	42	13	
	1982--	3	30	-	9	13	8	
	acres on which used, 1987--	408	1 207	447	1 311	211	5 364	1 987
	1982--	(D)	1 182	-	1 258	103	3 196	1 430
Diseases in crops and orchards ----- farms, 1987--	29	36	13	2	2	12	16	
	1982--	18	21	11	6	6	10	
	acres on which used, 1987--	1 007	993	14	(D)	(D)	982	1 138
	1982--	628	4 614	124	(D)	30	2 414	(D)
Weeds, grass, or brush in crops and pasture ----- farms, 1987--	185	693	174	550	166	560	425	
	1982--	225	776	123	605	175	694	
	acres on which used, 1987--	23 767	112 240	13 891	96 873	9 988	147 675	64 556
	1982--	36 037	131 572	13 598	115 951	15 670	188 807	64 114
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987--	17	6	3	10	21	23	10	
	1982--	1	1	6	2	11	24	
	acres on which used, 1987--	265	(D)	(D)	1 430	355	610	1 017
	1982--	(D)	(D)	140	(D)	545	1 598	1 427

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

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

Chemicals used	County							
	Newton	Noble	Ohio	Orange	Owen	Parke	Perry	
Commercial fertilizer	farms, 1987	409	876	248	443	444	453	411
	1982	409	933	255	452	480	445	414
	acres on which used, 1987	133 634	96 412	6 049	36 333	40 202	62 562	28 321
	1982	139 078	123 454	6 830	45 001	38 248	94 983	33 257
Cropland fertilized, except pastureland	farms, 1987	409	876	248	401	414	453	357
	1982	400	928	255	437	425	444	385
	acres on which used, 1987	132 447	94 452	4 971	32 736	38 499	81 390	23 804
	1982	137 596	123 008	6 424	41 298	34 249	94 511	27 603
Pastureland and rangeland fertilized	farms, 1987	23	88	25	143	92	25	185
	1982	25	34	13	107	127	5	195
	acres on which used, 1987	1 187	1 960	1 078	3 597	1 703	1 172	4 517
	1982	1 482	446	406	3 703	3 999	472	5 654
Lime	farms, 1987	130	200	87	168	171	147	80
	1982	111	162	37	59	90	93	122
	acres on which used, 1987	13 149	6 805	2 215	7 732	4 566	8 212	2 244
	1982	12 875	4 960	1 59	3 065	2 018	4 672	2 203
Sprays, dusts, granules, fumigants, etc., to control—	tons, 1987	28 176	13 370	2 855	20 451	10 724	17 737	6 648
	1982	30 223	11 106	316	7 916	5 286	11 282	5 936
	Insects on hay and other crops							
	farms, 1987	238	391	71	133	154	182	93
1982	204	331	53	120	136	169	85	
Nematodes in crops	acres on which used, 1987	45 303	32 490	1 381	12 683	10 434	32 901	4 498
	1982	54 539	37 334	2 296	10 728	13 208	31 955	6 134
	farms, 1987	17	36	16	-	8	15	2
	1982	18	103	1	25	-	8	1
Diseases in crops and orchards	acres on which used, 1987	1 339	2 539	205	-	184	1 095	(D)
	1982	3 148	5 151	(D)	1 708	-	(D)	(D)
	farms, 1987	8	50	19	20	-	23	7
	1982	13	17	8	30	8	36	-
Weeds, grass, or brush in crops and pasture	acres on which used, 1987	(D)	529	28	78	-	3 713	25
	1982	5 014	181	84	360	13	7 582	-
	farms, 1987	380	824	111	251	295	326	222
	1982	374	728	50	282	303	398	270
Chemicals used for defoliation or for growth control of crops or thinning of fruit	acres on which used, 1987	129 926	68 748	3 068	22 996	31 697	71 652	19 861
	1982	143 271	86 854	2 559	28 849	27 009	96 430	12 720
	farms, 1987	6	44	6	14	15	32	9
	1982	9	23	21	20	3	35	15
Chemicals used	acres on which used, 1987	2 727	1 796	6	480	421	1 926	179
	1982	(D)	1 578	141	1 042	(D)	6 269	684
	Chemicals used	County						
		Pike	Porter	Posey	Pulaski	Putnam	Randolph	Ripley
Commercial fertilizer	farms, 1987	281	489	470	624	542	880	879
	1982	246	514	474	604	598	975	989
	acres on which used, 1987	48 068	98 942	123 724	156 574	94 633	153 368	86 159
	1982	45 787	102 496	146 980	168 284	104 974	157 904	96 700
Cropland fertilized, except pastureland	farms, 1987	257	464	470	619	533	880	850
	1982	242	514	469	597	578	949	928
	acres on which used, 1987	46 106	98 077	123 439	155 675	93 003	152 480	84 496
	1982	45 338	101 881	148 109	186 129	103 162	156 166	93 559
Pastureland and rangeland fertilized	farms, 1987	57	51	10	43	53	48	93
	1982	21	23	32	65	73	65	140
	acres on which used, 1987	1 962	865	285	899	1 630	888	1 663
	1982	449	615	871	2 155	1 812	1 738	3 141
Lime	farms, 1987	105	104	147	173	133	92	322
	1982	96	117	102	225	114	81	228
	acres on which used, 1987	5 792	8 735	11 243	11 005	10 180	4 596	9 185
	1982	5 411	6 751	4 830	13 412	4 790	3 351	5 750
Sprays, dusts, granules, fumigants, etc., to control—	tons, 1987	14 177	18 467	29 832	24 161	25 305	9 050	23 607
	1982	14 065	15 068	13 584	25 153	11 703	5 133	13 090
	Insects on hay and other crops							
	farms, 1987	75	230	285	301	233	321	354
1982	72	168	225	237	198	214	314	
Nematodes in crops	acres on which used, 1987	11 691	29 539	42 259	44 650	26 116	28 943	29 150
	1982	11 867	25 020	47 113	39 215	23 058	22 210	25 944
	farms, 1987	26	11	1	15	9	41	47
	1982	17	19	32	1	11	24	25
Diseases in crops and orchards	acres on which used, 1987	1 582	2 196	(D)	1 030	516	2 222	3 899
	1982	2 230	1 093	8 922	(D)	306	842	4 312
	farms, 1987	8	21	6	9	5	35	21
	1982	5	24	17	27	3	13	16
Weeds, grass, or brush in crops and pasture	acres on which used, 1987	(D)	1 438	1 222	(D)	213	1 884	330
	1982	2 402	1 411	3 315	266	(D)	679	1 356
	farms, 1987	267	394	405	498	451	765	624
	1982	247	431	443	548	470	836	714
Chemicals used for defoliation or for growth control of crops or thinning of fruit	acres on which used, 1987	47 487	92 884	115 392	133 967	85 450	141 204	64 347
	1982	42 134	104 047	139 668	162 980	98 970	151 047	84 332
	farms, 1987	16	11	21	3	6	34	31
	1982	7	7	30	10	29	34	29
Chemicals used	acres on which used, 1987	151	742	2 180	(D)	555	1 088	515
	1982	250	1 924	1 429	4 011	4 162	2 330	833

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—Con.**

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

Chemicals used	Rush	St. Joseph	Scott	Shelby	Spencer	Starke	Steuben
Commercial fertilizer ----- farms, 1987..	718	709	309	694	634	361	433
1982..	810	784	360	790	718	425	482
acres on which used, 1987..	147 415	113 356	29 446	143 215	81 401	85 825	62 989
1982..	164 716	118 402	33 184	157 803	94 287	107 158	77 277
Cropland fertilized, except pastureland ----- farms, 1987..	707	700	300	694	579	361	425
1982..	801	778	341	768	682	425	481
acres on which used, 1987..	146 611	112 790	27 863	142 671	75 659	85 332	62 623
1982..	163 562	117 616	31 575	157 115	88 354	106 098	(D)
Pastureland and rangeland fertilized ----- farms, 1987..	45	30	74	25	151	12	20
1982..	75	52	60	62	167	24	3
acres on which used, 1987..	804	566	1 583	544	5 742	493	366
1982..	1 154	786	1 609	688	5 933	1 060	(D)
Lime ----- farms, 1987..	203	130	64	128	190	127	108
1982..	121	187	61	113	199	85	64
acres on which used, 1987..	14 181	7 035	1 961	11 424	7 088	10 328	4 565
1982..	7 935	7 932	1 699	6 715	5 773	5 948	2 732
tons, 1987..	32 421	14 075	4 611	21 126	16 882	21 392	7 522
1982..	16 670	13 806	5 632	13 183	15 592	9 820	4 591
Sprays, dusts, granules, fumigants, etc., to control—							
Insects on hay and other crops ----- farms, 1987..	362	383	98	340	237	163	239
1982..	393	340	175	328	241	166	230
acres on which used, 1987..	57 337	35 177	11 204	46 599	18 358	31 059	24 977
1982..	79 739	41 367	17 605	43 045	20 557	34 410	39 588
Nematodes in crops ----- farms, 1987..	16	21	8	30	20	18	1
1982..	25	35	26	11	56	37	46
acres on which used, 1987..	2 151	1 720	2 086	3 655	890	1 404	(D)
1982..	3 915	4 997	6 772	2 034	5 864	3 523	3 809
Diseases in crops and orchards ----- farms, 1987..	10	47	19	3	14	18	14
1982..	5	60	25	31	23	13	21
acres on which used, 1987..	2 983	2 549	109	154	438	390	543
1982..	2 339	2 921	3 825	3 040	3 991	746	2 052
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	579	561	174	543	451	282	338
1982..	589	647	257	656	535	277	363
acres on which used, 1987..	125 891	96 324	20 965	124 122	66 667	72 632	43 207
1982..	130 820	105 491	25 074	146 914	88 784	98 729	56 255
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	2	4	4	3	23	10	2
1982..	3	58	13	34	7	17	-
acres on which used, 1987..	(D)	780	(D)	(D)	70	5 090	(D)
1982..	(D)	1 677	360	3 493	67	1 991	-

Chemicals used	Sullivan	Switzerland	Tippecanoe	Tipton	Union	Vanderburgh	Vermillion	Vigo
Commercial fertilizer ----- farms, 1987..	482	572	679	510	264	281	295	445
1982..	519	616	740	497	303	274	261	405
acres on which used, 1987..	119 933	15 005	133 792	101 982	55 706	51 602	59 699	66 626
1982..	109 541	19 333	173 610	116 491	50 930	46 232	53 733	70 574
Cropland fertilized, except pastureland ----- farms, 1987..	480	566	669	503	264	267	295	416
1982..	506	616	720	497	296	257	257	400
acres on which used, 1987..	119 390	14 489	132 090	101 759	55 197	51 314	59 569	65 803
1982..	108 666	18 415	171 645	(D)	50 605	45 574	(D)	70 254
Pastureland and rangeland fertilized ----- farms, 1987..	13	33	48	10	24	17	8	48
1982..	29	15	63	2	10	38	6	16
acres on which used, 1987..	543	516	1 702	223	509	288	130	823
1982..	875	918	1 965	(D)	325	658	(D)	320
Lime ----- farms, 1987..	168	143	175	103	82	95	75	84
1982..	91	180	99	42	67	86	73	73
acres on which used, 1987..	14 822	3 695	16 631	8 143	5 625	3 445	7 270	5 395
1982..	4 847	1 863	6 747	1 980	1 617	2 446	2 521	2 661
tons, 1987..	32 987	6 567	37 767	16 844	13 394	8 747	9 751	10 405
1982..	10 728	5 906	15 395	5 208	3 279	6 779	6 036	7 144
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	131	192	356	198	154	159	130	81
1982..	87	143	278	246	177	70	87	108
acres on which used, 1987..	22 794	2 630	46 294	25 000	31 119	22 456	16 679	9 299
1982..	14 858	7 231	63 447	62 132	30 290	12 710	15 186	16 890
Nematodes in crops ----- farms, 1987..	10	30	11	2	11	9	8	-
1982..	9	5	46	8	17	-	8	-
acres on which used, 1987..	3 475	1 156	1 406	(D)	714	2 025	3 440	-
1982..	1 344	200	8 432	1 500	2 996	-	1 398	-
Diseases in crops and orchards ----- farms, 1987..	33	30	10	10	1	22	9	3
1982..	20	19	10	34	9	9	9	16
acres on which used, 1987..	4 890	47	482	1 696	(D)	250	2 190	(D)
1982..	549	341	426	3 135	89	99	3 244	671
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	444	207	547	460	191	216	242	392
1982..	448	183	626	459	212	248	227	339
acres on which used, 1987..	120 375	8 178	139 798	114 523	29 264	49 433	67 506	74 917
1982..	114 982	13 728	175 439	115 567	35 374	57 326	70 629	72 022
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	11	37	35	4	3	14	7	9
1982..	17	50	4	30	-	13	21	19
acres on which used, 1987..	351	197	2 316	528	(D)	840	112	180
1982..	707	(D)	430	4 352	-	415	4 429	669

**Table 9. Agricultural Chemicals Used, Including Fertilizer and Lime: 1987 and 1982—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, 1987..	641	371	327	766	640	725	669	727
1982..	692	395	366	912	792	794	753	788
acres on which used, 1987..	119 004	89 055	52 097	80 194	108 681	141 420	175 072	102 113
1982..	129 150	98 316	58 477	84 915	114 124	125 561	210 477	111 910
Cropland fertilized, except pastureland ----- farms, 1987..	630	371	308	687	630	724	664	718
1982..	678	395	360	848	778	789	731	782
acres on which used, 1987..	118 086	88 132	50 544	69 390	107 262	(D)	174 419	101 510
1982..	128 427	97 061	56 927	77 108	113 004	125 319	209 119	111 564
Pastureland and rangeland fertilized ----- farms, 1987..	45	19	39	242	72	2	47	31
1982..	29	27	47	235	50	23	71	23
acres on which used, 1987..	918	923	1 553	10 804	1 419	(D)	653	603
1982..	723	1 255	1 550	7 807	1 120	242	1 358	346
Lime ----- farms, 1987..	149	109	96	216	122	129	252	153
1982..	134	42	109	181	56	74	180	47
acres on which used, 1987..	7 345	9 352	3 816	15 524	8 745	6 601	20 001	8 055
1982..	5 279	2 657	5 648	5 493	1 538	1 643	16 374	1 365
tons, 1987..	15 705	22 123	10 525	37 794	14 826	15 997	41 726	16 375
1982..	12 335	5 730	13 063	12 407	3 372	3 158	32 594	2 861
Sprays, dusts, granules, fumigants, etc., to control—								
Insects on hay and other crops ----- farms, 1987..	256	94	84	231	318	173	262	292
1982..	345	96	96	249	264	233	302	281
acres on which used, 1987..	31 114	20 641	10 217	21 101	36 962	16 998	46 892	25 833
1982..	40 939	22 489	10 306	23 401	37 226	24 960	55 786	31 318
Nematodes in crops ----- farms, 1987..	21	2	14	49	41	16	29	52
1982..	16	19	15	43	35	32	29	98
acres on which used, 1987..	2 025	(D)	264	3 866	5 083	560	2 133	1 941
1982..	3 429	2 427	1 281	2 993	3 394	2 352	4 151	13 663
Diseases in crops and orchards ----- farms, 1987..	30	1	17	64	32	2	16	48
1982..	25	25	-	26	33	15	53	7
acres on which used, 1987..	214	(D)	138	2 587	1 617	(D)	2 192	1 335
1982..	1 706	1 780	-	1 163	608	3 452	2 006	242
Weeds, grass, or brush in crops and pasture ----- farms, 1987..	527	374	274	474	455	682	550	528
1982..	550	359	220	584	604	702	575	606
acres on which used, 1987..	98 756	115 696	48 776	53 432	81 536	145 883	176 012	72 427
1982..	107 937	140 001	52 345	55 874	86 787	122 882	200 065	87 152
Chemicals used for defoliation or for growth control of crops or thinning of fruit ----- farms, 1987..	16	17	4	41	14	11	6	25
1982..	22	11	12	18	13	31	7	18
acres on which used, 1987..	144	2 367	(D)	3 545	1 675	530	(D)	450
1982..	2 049	2 957	159	3 127	1 128	5 184	403	223