

Table 40. Fertilizers and Chemicals Applied: 2022 and 2017

[For meaning of abbreviations and symbols, see introductory text.]

Item	Ohio	Adams	Allen	Ashland	Ashtabula	Athens	Auglaize
Commercial fertilizer, lime, and soil conditioners farms, 2022	34,443	454	562	471	384	139	656
..... 2017	37,222	557	547	563	526	198	648
..... acres treated, 2022	7,079,466	50,115	121,406	86,828	50,060	10,403	149,747
..... 2017	7,542,866	62,518	134,783	86,871	64,739	11,812	145,853
Cropland fertilized, except cropland pasture farms, 2022	31,883	407	552	429	356	111	645
..... 2017	34,434	490	544	504	468	182	639
..... acres treated, 2022	6,985,527	44,423	121,283	84,817	49,389	8,723	149,579
..... 2017	7,410,507	53,014	134,207	84,505	63,555	9,537	145,410
Pastureland and rangeland fertilized farms, 2022	4,695	127	16	97	60	42	23
..... 2017	5,970	192	22	115	104	58	34
..... acres treated, 2022	93,939	5,692	123	2,011	671	1,680	168
..... 2017	132,359	9,504	576	2,366	1,184	2,275	443
Manure farms, 2022	16,531	181	126	324	266	110	285
..... 2017	18,466	244	154	405	351	136	299
..... acres treated, 2022	879,519	6,172	11,630	15,528	8,527	2,561	31,390
..... 2017	920,816	7,855	9,511	24,231	11,270	2,678	28,133
Organic fertilizer farms, 2022	1,574	23	11	37	25	14	9
..... 2017	1,858	31	9	59	43	24	23
..... acres treated, 2022	86,574	407	812	872	508	379	1,841
..... 2017	95,311	556	463	2,350	958	183	2,254
Acres treated to control-							
Insects farms, 2022	11,288	115	219	118	107	21	247
..... 2017	11,059	100	190	144	135	24	251
..... acres, 2022	2,459,877	11,626	55,023	15,951	10,269	1,173	71,726
..... 2017	2,746,661	6,154	49,583	24,724	16,032	2,039	51,795
Weeds, grass, or brush farms, 2022	33,184	403	577	455	348	106	674
..... 2017	30,000	324	516	416	372	72	620
..... acres, 2022	8,736,626	44,871	150,978	89,186	57,536	8,017	195,426
..... 2017	8,723,387	41,250	152,645	82,072	58,301	6,678	169,388
Nematodes farms, 2022	3,001	21	67	37	11	-	57
..... 2017	1,699	3	49	31	12	2	51
..... acres, 2022	567,239	2,046	15,149	5,085	178	-	9,060
..... 2017	317,088	(D)	10,296	5,946	953	(D)	9,639
Diseases in crops and orchards farms, 2022	5,749	28	113	77	67	6	124
..... 2017	4,228	33	66	54	62	15	106
..... acres, 2022	1,309,762	1,777	33,171	12,527	5,009	32	27,120
..... 2017	827,096	2,720	16,131	5,739	1,616	283	28,278
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	1,597	29	29	35	47	5	11
..... 2017	557	19	4	5	9	1	10
..... acres on which used, 2022	66,647	1,863	4,378	1,047	1,300	54	1,186
..... 2017	20,497	354	(D)	236	409	(D)	975
Item	Belmont	Brown	Butler	Carroll	Champaign	Clark	Clermont
Commercial fertilizer, lime, and soil conditioners farms, 2022	144	559	310	299	418	414	241
..... 2017	224	625	386	290	488	389	290
..... acres treated, 2022	5,857	87,338	43,829	31,488	145,574	110,266	31,414
..... 2017	11,396	118,520	68,321	35,143	128,877	110,783	41,880
Cropland fertilized, except cropland pasture farms, 2022	99	488	288	276	407	379	197
..... 2017	202	572	340	259	461	367	234
..... acres treated, 2022	3,948	83,691	42,852	29,527	144,759	109,397	30,422
..... 2017	8,638	115,317	66,718	32,131	128,175	110,092	39,957
Pastureland and rangeland fertilized farms, 2022	70	138	46	67	42	57	62
..... 2017	83	151	87	86	49	47	92
..... acres treated, 2022	1,909	3,647	977	1,961	815	869	992
..... 2017	2,758	3,203	1,603	3,012	702	691	1,923
Manure farms, 2022	185	248	157	217	167	161	136
..... 2017	190	271	183	262	185	147	148
..... acres treated, 2022	6,019	5,993	4,022	9,253	9,708	8,524	1,707
..... 2017	6,271	6,272	5,143	11,378	6,837	9,050	2,536
Organic fertilizer farms, 2022	12	14	16	22	12	12	17
..... 2017	25	20	13	20	11	11	17
..... acres treated, 2022	178	841	1,332	1,837	467	247	124
..... 2017	244	403	319	433	441	218	104
Acres treated to control-							
Insects farms, 2022	34	119	102	54	146	206	87
..... 2017	23	145	103	38	191	163	78
..... acres, 2022	268	21,835	12,091	1,726	61,244	62,179	8,994
..... 2017	912	38,017	20,337	4,392	51,018	70,036	11,953
Weeds, grass, or brush farms, 2022	95	514	315	253	409	428	211
..... 2017	79	453	305	210	416	371	188
..... acres, 2022	1,509	94,646	48,605	27,974	179,711	133,606	50,747
..... 2017	3,826	120,927	75,293	30,096	151,332	139,419	46,470
Nematodes farms, 2022	6	58	31	7	34	62	19
..... 2017	-	31	15	4	22	35	4
..... acres, 2022	57	18,791	5,649	429	11,613	21,826	3,840
..... 2017	-	14,928	1,094	(D)	6,817	7,377	(D)
Diseases in crops and orchards farms, 2022	20	61	53	18	82	111	35
..... 2017	15	45	29	15	72	46	29
..... acres, 2022	127	16,906	3,795	805	27,361	28,868	3,172
..... 2017	179	8,693	4,023	636	17,578	13,790	4,434
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	10	43	24	10	9	8	11
..... 2017	3	12	4	7	10	-	3
..... acres on which used, 2022	121	1,608	940	441	553	278	59
..... 2017	30	352	51	134	723	-	49

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Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Clinton	Columbiana	Coshocton	Crawford	Cuyahoga	Darke	Defiance	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	472	460	418	380	26	1,114	498
	2017	442	488	473	443	54	1,089	541
acres treated, 2022	168,320	69,665	51,757	138,437	238	237,767	125,706	
	2017	149,900	65,379	61,152	171,753	359	225,184	129,110
Cropland fertilized, except cropland pasture	farms, 2022	453	419	366	377	24	1,104	482
	2017	420	451	424	436	47	1,073	537
acres treated, 2022	168,029	67,067	49,030	138,284	(D)	237,452	125,599	
	2017	149,428	63,568	58,103	171,481	301	224,597	128,931
Pastureland and rangeland fertilized	farms, 2022	35	89	115	11	2	43	21
	2017	47	109	134	24	10	67	14
acres treated, 2022	291	2,598	2,727	153	(D)	315	107	
	2017	472	1,811	3,049	272	58	587	179
Manure	farms, 2022	120	301	343	128	12	450	130
	2017	111	342	367	166	16	496	151
acres treated, 2022	4,348	14,567	12,541	11,404	52	43,933	11,541	
	2017	3,923	15,982	15,416	15,342	54	41,216	17,560
Organic fertilizer	farms, 2022	14	25	21	12	8	25	9
	2017	8	15	42	8	16	43	9
acres treated, 2022	777	1,033	1,095	455	13	2,521	1,053	
	2017	148	545	2,660	1,217	29	1,655	2,242
Acres treated to control- Insects	farms, 2022	202	150	93	148	22	351	135
	2017	190	152	117	192	23	384	130
acres, 2022	83,083	20,213	12,539	42,658	187	74,986	27,033	
	2017	86,316	19,737	19,412	66,762	161	75,938	30,222
Weeds, grass, or brush	farms, 2022	490	419	362	390	15	1,163	549
	2017	409	367	325	422	25	1,027	529
acres, 2022	200,958	70,757	49,842	173,833	187	307,185	166,473	
	2017	174,205	60,503	56,643	199,593	195	282,701	184,965
Nematodes	farms, 2022	52	31	20	46	5	84	30
	2017	39	24	14	51	4	57	18
acres, 2022	16,143	2,481	2,776	9,488	73	12,866	2,961	
	2017	12,833	2,192	2,366	14,287	11	11,659	2,281
Diseases in crops and orchards	farms, 2022	92	66	41	90	9	195	61
	2017	63	54	37	79	9	179	73
acres, 2022	46,395	4,790	2,576	21,529	98	44,418	17,262	
	2017	31,965	4,656	2,287	23,696	85	35,032	9,325
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	19	23	15	16	4	28	8
	2017	1	10	5	3	3	8	2
acres on which used, 2022	261	1,161	370	1,126	17	1,537	1,123	
	2017	(D)	470	39	(D)	13	569	(D)

Item	Delaware	Erie	Fairfield	Fayette	Franklin	Fulton	Gallia	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	285	185	469	292	144	492	239
	2017	353	207	529	277	188	486	357
acres treated, 2022	80,889	55,662	120,785	134,792	24,900	157,337	15,449	
	2017	80,835	64,107	120,326	138,916	32,261	144,976	18,808
Cropland fertilized, except cropland pasture	farms, 2022	253	180	423	286	129	480	167
	2017	327	205	472	269	184	477	270
acres treated, 2022	80,150	55,630	119,677	134,642	24,588	157,107	12,612	
	2017	79,985	63,887	118,283	138,429	32,041	144,810	13,459
Pastureland and rangeland fertilized	farms, 2022	53	5	77	14	20	19	106
	2017	47	10	105	27	14	23	153
acres treated, 2022	739	32	1,108	150	312	230	2,837	
	2017	850	220	2,043	487	220	166	5,349
Manure	farms, 2022	131	38	205	51	39	126	160
	2017	154	82	216	90	87	171	186
acres treated, 2022	12,482	1,559	10,561	8,642	580	12,116	4,009	
	2017	7,443	2,792	7,196	5,988	1,237	14,103	3,806
Organic fertilizer	farms, 2022	21	5	6	7	20	5	1
	2017	15	9	16	7	29	15	27
acres treated, 2022	(D)	5	7,604	38	59	405	(D)	
	2017	303	100	1,570	315	461	1,843	1,005
Acres treated to control- Insects	farms, 2022	94	92	165	152	59	237	20
	2017	100	108	151	138	70	227	46
acres, 2022	42,004	18,393	38,427	54,482	4,226	69,596	2,099	
	2017	28,762	25,779	49,408	85,013	10,935	62,269	629
Weeds, grass, or brush	farms, 2022	300	189	455	308	148	485	130
	2017	318	204	427	257	154	426	151
acres, 2022	107,781	64,306	141,619	174,091	35,570	183,732	11,751	
	2017	99,809	70,988	130,205	177,369	39,015	167,237	10,938
Nematodes	farms, 2022	27	22	41	57	21	80	6
	2017	17	28	25	21	22	45	3
acres, 2022	7,710	5,073	10,739	11,774	1,340	19,004	91	
	2017	2,219	2,055	3,139	7,561	4,764	7,576	97
Diseases in crops and orchards	farms, 2022	49	54	113	84	33	120	12
	2017	40	58	51	49	24	75	19
acres, 2022	21,564	10,380	25,010	33,087	850	30,441	19	
	2017	8,792	8,864	6,418	25,239	3,228	14,936	153
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	15	20	36	16	7	13	10
	2017	4	5	13	5	9	10	7
acres on which used, 2022	695	835	2,748	1,068	151	493	151	
	2017	11	(D)	584	1,026	61	750	19

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Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Geauga	Greene	Guernsey	Hamilton	Hancock	Hardin	Harrison	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	336	409	236	77	687	390	95
	2017	353	411	324	85	576	421	128
acres treated, 2022	13,114	98,994	11,605	4,345	168,164	143,878	9,717	
	2017	16,634	110,475	20,543	4,301	155,306	151,405	10,641
Cropland fertilized, except cropland pasture	farms, 2022	262	367	170	64	678	383	70
	2017	266	399	288	72	569	414	97
acres treated, 2022	12,385	97,937	9,421	4,230	168,024	143,479	9,226	
	2017	15,310	109,706	17,085	4,143	154,978	150,656	8,569
Pastureland and rangeland fertilized	farms, 2022	114	61	85	15	16	16	29
	2017	118	38	79	15	18	33	52
acres treated, 2022	729	1,057	2,184	115	140	399	491	
	2017	1,324	769	3,458	158	328	749	2,072
Manure	farms, 2022	388	105	203	50	129	122	111
	2017	350	126	255	42	104	117	146
acres treated, 2022	5,874	4,153	5,344	878	8,813	8,457	2,956	
	2017	7,178	6,824	8,131	598	8,313	7,895	5,575
Organic fertilizer	farms, 2022	55	20	26	4	8	11	3
	2017	47	14	18	14	13	10	8
acres treated, 2022	387	143	603	4	349	907	248	
	2017	730	820	983	48	843	653	54
Acres treated to control- Insects	farms, 2022	118	162	34	39	185	111	17
	2017	79	170	17	44	175	108	20
acres, 2022	2,731	41,286	593	2,159	48,891	43,716	3,138	
	2017	1,812	46,097	1,379	2,087	41,736	52,238	2,525
Weeds, grass, or brush	farms, 2022	231	413	141	62	749	435	66
	2017	218	375	119	58	583	371	60
acres, 2022	11,934	119,243	7,807	5,882	220,448	208,060	8,554	
	2017	14,654	129,305	10,474	4,846	204,080	211,429	9,955
Nematodes	farms, 2022	38	20	4	13	69	32	17
	2017	2	22	-	2	21	17	4
acres, 2022	527	6,874	40	132	12,962	6,312	515	
	2017	(D)	4,404	-	(D)	2,585	4,942	(D)
Diseases in crops and orchards	farms, 2022	81	62	8	24	109	73	6
	2017	43	52	8	16	79	35	7
acres, 2022	682	12,885	54	974	26,910	21,830	(D)	
	2017	348	19,107	24	779	17,888	9,365	31
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	28	14	13	6	24	23	4
	2017	10	4	3	8	3	2	2
acres on which used, 2022	512	438	244	109	1,713	1,770	(D)	
	2017	89	97	3	14	175	(D)	

Item	Henry	Highland	Hocking	Holmes	Huron	Jackson	Jefferson	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	656	540	93	633	439	154	140
	2017	606	599	100	745	473	188	164
acres treated, 2022	176,159	121,196	4,541	47,261	134,566	8,304	5,796	
	2017	166,843	157,183	5,826	55,499	150,149	13,069	6,505
Cropland fertilized, except cropland pasture	farms, 2022	650	495	75	483	429	116	120
	2017	593	557	63	585	457	158	130
acres treated, 2022	176,061	117,813	4,136	42,213	134,278	6,621	5,045	
	2017	166,734	152,840	4,387	51,077	149,958	8,672	5,650
Pastureland and rangeland fertilized	farms, 2022	10	99	22	250	33	63	47
	2017	17	119	48	288	36	81	61
acres treated, 2022	98	3,383	405	5,048	288	1,683	751	
	2017	109	4,343	1,439	4,422	191	4,397	855
Manure	farms, 2022	101	242	70	799	160	96	129
	2017	100	271	57	921	175	87	174
acres treated, 2022	9,858	6,353	1,680	30,267	11,705	2,240	3,284	
	2017	3,948	11,988	1,379	38,520	14,306	2,507	4,119
Organic fertilizer	farms, 2022	13	28	4	75	10	8	13
	2017	9	37	6	113	16	11	12
acres treated, 2022	944	413	72	2,171	456	158	264	
	2017	1,230	1,106	249	4,365	1,417	196	75
Acres treated to control- Insects	farms, 2022	229	205	46	178	149	32	27
	2017	216	236	19	200	169	27	25
acres, 2022	71,001	46,696	1,659	8,175	42,791	1,079	350	
	2017	56,214	77,830	1,237	19,808	74,785	813	1,441
Weeds, grass, or brush	farms, 2022	695	527	75	441	436	98	111
	2017	579	513	62	439	418	100	93
acres, 2022	215,675	141,742	5,097	42,458	183,031	5,354	4,305	
	2017	200,951	175,005	4,799	49,339	189,885	7,160	2,705
Nematodes	farms, 2022	50	55	22	31	32	13	5
	2017	38	31	1	7	21	3	1
acres, 2022	10,686	10,437	1,120	1,355	11,374	236	69	
	2017	7,414	4,990	(D)	3,564	5,448	77	(D)
Diseases in crops and orchards	farms, 2022	140	96	26	66	74	15	19
	2017	57	76	4	58	65	25	8
acres, 2022	48,401	16,482	1,214	7,646	23,649	529	122	
	2017	15,363	11,978	(D)	5,721	29,865	297	21
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	14	27	6	26	9	10	19
	2017	3	4	2	12	4	2	5
acres on which used, 2022	755	1,049	116	867	523	192	169	
	2017	(D)	28	(D)	531	(D)	(D)	10

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Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Knox	Lake	Lawrence	Licking	Logan	Lorain	Lucas
Commercial fertilizer, lime, and soil conditioners farms, 2022	569	96	85	599	465	357	219
..... farms, 2017	588	106	139	657	488	442	204
..... acres treated, 2022	85,046	5,476	4,110	89,335	123,691	59,623	54,470
..... acres treated, 2017	98,592	4,469	5,426	99,680	124,825	65,191	49,582
Cropland fertilized, except cropland pasture farms, 2022	509	93	62	541	447	349	211
..... farms, 2017	510	95	117	571	454	398	193
..... acres treated, 2022	83,627	5,432	2,729	88,101	122,917	59,420	54,406
..... acres treated, 2017	96,539	4,323	3,497	97,070	124,055	64,826	49,518
Pastureland and rangeland fertilized farms, 2022	111	5	28	91	44	27	9
..... farms, 2017	138	11	44	174	56	66	15
..... acres treated, 2022	1,419	44	1,381	1,234	774	203	64
..... acres treated, 2017	2,053	146	1,929	2,610	770	365	64
Manure farms, 2022	381	22	58	310	155	167	33
..... farms, 2017	404	35	96	448	233	191	35
..... acres treated, 2022	21,198	288	1,046	8,532	15,562	5,794	1,311
..... acres treated, 2017	18,813	519	1,284	9,651	11,637	4,765	1,096
Organic fertilizer farms, 2022	42	4	8	42	21	11	11
..... farms, 2017	37	7	6	46	22	21	2
..... acres treated, 2022	1,543	20	79	431	1,399	279	13
..... acres treated, 2017	1,624	16	104	793	3,328	995	(D)
Acres treated to control-							
Insects farms, 2022	187	61	18	165	186	134	127
..... farms, 2017	175	62	28	176	132	163	95
..... acres, 2022	29,608	4,163	234	29,986	45,099	18,312	27,848
..... acres, 2017	36,849	2,860	95	63,558	52,769	24,822	16,407
Weeds, grass, or brush farms, 2022	511	85	69	555	484	424	209
..... farms, 2017	422	71	81	504	411	370	187
..... acres, 2022	97,590	4,724	3,617	113,601	159,691	77,856	69,151
..... acres, 2017	103,954	3,658	2,596	118,100	149,829	77,643	56,955
Nematodes farms, 2022	41	7	6	42	36	27	43
..... farms, 2017	17	5	1	27	26	31	16
..... acres, 2022	5,994	808	47	7,165	4,771	5,247	6,300
..... acres, 2017	2,432	186	(D)	5,846	4,094	4,068	1,203
Diseases in crops and orchards farms, 2022	78	29	9	69	76	73	59
..... farms, 2017	50	34	17	75	40	71	29
..... acres, 2022	9,575	1,023	25	11,495	30,874	13,702	8,798
..... acres, 2017	4,429	1,678	30	13,656	16,015	8,768	5,580
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	21	6	1	42	19	35	11
..... farms, 2017	1	5	3	9	9	19	4
..... acres on which used, 2022	562	(D)	(D)	1,270	300	1,010	412
..... acres on which used, 2017	(D)	134	7	307	265	169	(D)

Item	Madison	Mahoning	Marion	Medina	Meigs	Mercer	Miami	Monroe
Commercial fertilizer, lime, and soil conditioners farms, 2022	444	236	276	426	145	837	609	193
..... farms, 2017	424	331	325	455	229	791	580	289
..... acres treated, 2022	160,448	34,361	130,615	53,462	6,847	181,207	112,361	8,118
..... acres treated, 2017	175,905	37,455	128,971	52,139	18,954	170,775	120,475	9,937
Cropland fertilized, except cropland pasture farms, 2022	433	225	273	375	115	837	576	151
..... farms, 2017	412	314	315	416	198	788	552	244
..... acres treated, 2022	160,107	33,993	130,290	52,694	4,837	181,081	111,577	6,194
..... acres treated, 2017	175,530	36,585	128,359	51,511	15,360	170,579	119,913	7,382
Pastureland and rangeland fertilized farms, 2022	29	28	11	83	56	12	75	78
..... farms, 2017	20	55	32	86	84	21	54	103
..... acres treated, 2022	341	368	325	768	2,010	126	784	1,924
..... acres treated, 2017	375	870	612	628	3,594	196	562	2,555
Manure farms, 2022	127	151	100	258	104	404	235	178
..... farms, 2017	130	208	118	234	118	442	194	199
..... acres treated, 2022	14,341	8,363	27,557	7,694	2,603	48,025	10,122	5,465
..... acres treated, 2017	15,670	10,620	26,431	5,829	3,639	50,381	6,490	5,602
Organic fertilizer farms, 2022	30	8	11	23	4	21	25	17
..... farms, 2017	32	13	5	45	4	29	21	32
..... acres treated, 2022	4,421	150	527	1,319	15	1,873	1,371	235
..... acres treated, 2017	4,573	261	1,167	828	83	2,873	824	678
Acres treated to control-								
Insects farms, 2022	167	94	101	113	33	272	247	25
..... farms, 2017	204	88	95	99	26	313	202	13
..... acres, 2022	69,343	7,187	61,041	8,586	903	59,158	50,874	484
..... acres, 2017	81,034	13,693	49,941	10,722	1,041	61,591	53,853	239
Weeds, grass, or brush farms, 2022	460	235	302	362	89	907	615	84
..... farms, 2017	411	266	290	321	111	763	505	99
..... acres, 2022	200,542	37,677	180,203	60,872	3,514	223,085	133,580	2,771
..... acres, 2017	213,369	37,723	166,819	56,243	10,719	207,068	139,259	2,191
Nematodes farms, 2022	44	20	29	30	6	85	71	7
..... farms, 2017	31	11	20	7	-	38	37	1
..... acres, 2022	14,776	1,625	9,762	4,031	166	10,838	12,060	102
..... acres, 2017	6,689	1,814	6,826	194	-	5,244	6,998	(D)
Diseases in crops and orchards farms, 2022	76	51	53	67	17	147	106	4
..... farms, 2017	75	41	39	55	11	96	71	8
..... acres, 2022	38,488	2,824	40,619	6,967	239	29,327	24,307	42
..... acres, 2017	28,955	4,159	15,038	4,292	842	12,456	14,373	17
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	21	14	6	26	13	9	19	10
..... farms, 2017	9	15	4	19	3	13	12	3
..... acres on which used, 2022	1,234	319	824	196	205	95	840	108
..... acres on which used, 2017	957	138	(D)	503	10	428	267	28

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Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Montgomery	Morgan	Morrow	Muskingum	Noble	Ottawa	Paulding	Perry	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	384	154	358	355	118	291	387	216
	2017	389	216	409	482	143	317	407	253
acres treated, 2022	75,891	14,839	66,388	43,481	4,059	63,211	128,375	25,477	
	2017	67,325	15,223	92,533	48,131	5,671	65,380	129,980	30,228
Cropland fertilized, except cropland pasture	farms, 2022	363	130	329	291	99	291	385	186
	2017	368	171	383	427	120	317	406	236
acres treated, 2022	75,589	10,982	65,829	41,355	2,951	(D)	(D)	24,513	
	2017	66,987	11,230	91,346	43,983	3,972	65,332	129,918	29,101
Pastureland and rangeland fertilized	farms, 2022	34	53	48	94	40	2	2	47
	2017	44	82	60	139	50	7	5	54
acres treated, 2022	302	3,857	559	2,126	1,108	(D)	(D)	964	
	2017	338	3,993	1,187	4,148	1,699	48	62	1,127
Manure	farms, 2022	133	165	216	334	135	49	108	148
	2017	85	174	258	347	147	65	92	160
acres treated, 2022	3,381	5,985	6,930	10,966	3,689	2,153	11,155	4,218	
	2017	2,462	4,768	11,539	11,646	3,382	2,727	12,864	4,667
Organic fertilizer	farms, 2022	26	8	22	21	20	8	2	23
	2017	12	9	22	10	20	8	10	18
acres treated, 2022	318	193	1,798	785	435	1,744	(D)	874	
	2017	439	237	457	433	247	(D)	4,263	368
Acres treated to control- Insects	farms, 2022	110	27	112	63	17	134	148	51
	2017	119	20	71	64	5	128	98	43
acres, 2022	19,747	971	17,935	13,042	149	24,893	53,113	3,366	
	2017	16,785	471	17,398	6,144	31	37,203	38,506	6,375
Weeds, grass, or brush	farms, 2022	386	151	325	305	94	344	458	186
	2017	318	109	330	251	42	312	388	164
acres, 2022	94,489	13,416	107,352	46,519	2,944	94,540	178,589	28,288	
	2017	80,345	8,145	118,057	43,970	1,329	92,890	180,801	38,251
Nematodes	farms, 2022	37	14	29	18	5	38	32	7
	2017	19	17	3	3	-	19	20	4
acres, 2022	2,384	104	3,294	1,444	47	3,949	16,441	243	
	2017	913	-	4,809	(D)	-	2,832	4,793	235
Diseases in crops and orchards	farms, 2022	52	20	67	38	13	63	66	12
	2017	38	4	28	42	1	38	52	7
acres, 2022	4,108	295	5,223	9,285	41	12,177	33,548	(D)	
	2017	4,729	36	7,747	1,721	(D)	10,800	19,672	1,275
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	17	17	14	25	21	20	14	5
	2017	16	3	9	5	1	4	5	1
acres on which used, 2022	2,031	494	779	379	223	457	1,356	34	
	2017	700	16	173	18	(D)	(D)	240	(D)

Item	Pickaway	Pike	Portage	Preble	Putnam	Richland	Ross	Sandusky	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	411	159	349	550	1,118	502	410	455
	2017	432	212	388	606	1,006	545	439	507
acres treated, 2022	168,751	21,474	32,473	138,540	213,959	86,307	115,603	106,638	
	2017	204,452	36,367	40,065	145,736	213,922	73,880	94,971	122,709
Cropland fertilized, except cropland pasture	farms, 2022	389	142	301	523	1,113	473	380	446
	2017	407	175	347	585	999	508	396	503
acres treated, 2022	167,800	20,415	31,752	137,954	213,926	85,356	113,600	106,343	
	2017	203,076	33,913	39,267	144,652	213,799	72,007	93,430	122,562
Pastureland and rangeland fertilized	farms, 2022	34	30	70	51	11	76	46	20
	2017	53	68	77	62	21	97	74	16
acres treated, 2022	951	1,059	721	586	33	951	2,003	295	
	2017	1,376	2,454	798	1,084	123	1,873	1,541	147
Manure	farms, 2022	100	72	213	246	272	329	145	99
	2017	140	76	291	208	274	391	165	120
acres treated, 2022	5,512	1,398	5,201	19,851	19,192	16,544	9,017	4,457	
	2017	4,629	2,475	5,119	16,405	18,092	19,248	6,221	4,220
Organic fertilizer	farms, 2022	10	10	29	17	28	30	14	6
	2017	5	22	28	27	21	45	19	8
acres treated, 2022	1,760	339	1,854	622	3,378	2,146	759	57	
	2017	(D)	653	418	3,850	2,100	1,530	1,542	1,188
Acres treated to control- Insects	farms, 2022	156	44	76	159	403	190	155	191
	2017	155	47	73	192	347	208	146	203
acres, 2022	47,662	5,987	4,568	40,180	73,624	35,163	40,201	44,514	
	2017	103,974	7,329	6,618	58,449	72,948	41,531	31,027	48,468
Weeds, grass, or brush	farms, 2022	408	132	288	543	1,184	474	398	493
	2017	408	142	261	549	980	419	367	495
acres, 2022	229,209	24,941	39,095	176,434	265,384	98,070	140,319	130,901	
	2017	246,438	30,889	39,977	170,962	254,776	76,632	120,795	152,889
Nematodes	farms, 2022	49	16	20	51	85	41	45	55
	2017	31	6	3	60	51	19	11	49
acres, 2022	18,947	1,687	288	14,536	11,631	8,702	11,614	8,288	
	2017	10,657	1,619	(D)	8,791	8,533	3,500	659	8,723
Diseases in crops and orchards	farms, 2022	61	28	33	92	187	72	91	136
	2017	57	24	28	76	112	54	54	97
acres, 2022	19,383	3,424	1,010	37,981	36,756	23,889	17,352	28,839	
	2017	19,469	2,403	584	15,777	28,310	7,880	7,208	16,023
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	14	5	17	15	37	38	13	33
	2017	3	-	5	8	20	7	6	14
acres on which used, 2022	669	29	442	947	4,320	527	719	1,296	
	2017	24	-	53	381	1,612	154	79	584

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Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	Scioto	Seneca	Shelby	Stark	Summit	Trumbull	Tuscarawas	Union
Commercial fertilizer, lime, and soil conditioners farms, 2022	153	726	628	550	116	385	356	469
..... farms, 2017	241	788	647	657	107	412	372	481
..... acres treated, 2022	20,016	154,222	138,370	59,826	3,392	55,599	50,335	131,703
..... acres treated, 2017	30,065	181,870	144,358	67,237	6,196	58,293	50,097	138,493
Cropland fertilized, except cropland pasture farms, 2022	126	715	612	466	93	349	270	455
..... farms, 2017	197	776	638	571	82	363	326	445
..... acres treated, 2022	17,213	153,851	138,054	58,505	3,183	54,112	48,341	131,427
..... acres treated, 2017	25,490	181,447	143,996	65,950	5,880	57,331	47,376	137,996
Pastureland and rangeland fertilized farms, 2022	62	28	41	149	27	62	138	37
..... farms, 2017	110	35	44	143	36	84	120	55
..... acres treated, 2022	2,803	371	316	1,321	209	1,487	1,994	276
..... acres treated, 2017	4,575	423	362	1,287	316	962	1,994	497
Manure farms, 2022	77	172	265	352	66	225	354	172
..... farms, 2017	116	205	309	414	85	227	392	175
..... acres treated, 2022	1,067	5,690	27,318	13,441	766	6,271	13,543	9,214
..... acres treated, 2017	1,721	6,182	30,153	15,694	1,054	6,371	19,135	14,033
Organic fertilizer farms, 2022	16	18	28	41	21	28	21	15
..... farms, 2017	21	7	20	41	15	18	34	17
..... acres treated, 2022	153	1,726	2,782	676	167	456	443	771
..... acres treated, 2017	1,126	1,109	603	1,487	45	1,122	665	343
Acres treated to control-								
Insects farms, 2022	43	248	235	153	62	80	69	152
..... farms, 2017	53	224	197	151	42	72	66	186
..... acres, 2022	6,968	54,894	59,092	8,810	1,100	12,192	8,946	47,109
..... acres, 2017	5,932	67,379	53,008	14,757	4,111	10,792	9,007	67,047
Weeds, grass, or brush farms, 2022	120	768	614	489	90	337	252	494
..... farms, 2017	164	742	576	481	67	309	218	454
..... acres, 2022	22,574	189,878	174,260	65,835	3,395	60,276	47,532	173,466
..... acres, 2017	22,875	218,063	172,876	64,100	5,768	56,273	42,165	177,042
Nematodes farms, 2022	5	78	66	33	5	17	19	35
..... farms, 2017	3	48	44	24	9	8	5	16
..... acres, 2022	508	14,110	11,508	5,089	(D)	1,242	1,310	12,360
..... acres, 2017	1,301	6,711	6,266	1,617	1,156	1,142	340	1,804
Diseases in crops and orchards farms, 2022	10	127	100	74	30	38	30	60
..... farms, 2017	26	112	68	53	27	24	20	56
..... acres, 2022	1,115	32,556	31,257	2,707	297	12,662	2,642	24,167
..... acres, 2017	3,223	23,625	20,046	3,294	433	1,904	1,285	8,505
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	5	24	19	33	9	11	18	15
..... farms, 2017	1	12	3	6	6	2	5	7
..... acres on which used, 2022	134	1,218	388	775	38	146	495	1,513
..... acres on which used, 2017	(D)	604	65	75	79	(D)	68	104
Item	Van Wert	Vinton	Warren	Washington	Wayne	Williams	Wood	Wyandot
Commercial fertilizer, lime, and soil conditioners farms, 2022	520	40	301	404	1,068	447	724	373
..... farms, 2017	553	54	318	455	1,043	431	646	387
..... acres treated, 2022	148,420	1,975	48,882	29,100	139,542	134,615	159,402	135,762
..... acres treated, 2017	177,344	5,877	48,331	33,396	141,570	136,311	178,968	146,570
Cropland fertilized, except cropland pasture farms, 2022	518	29	277	332	938	440	716	370
..... farms, 2017	537	37	282	396	916	430	629	382
..... acres treated, 2022	148,357	1,645	48,263	26,536	135,537	134,488	159,271	135,642
..... acres treated, 2017	177,288	5,072	47,632	28,046	138,009	136,100	178,505	146,443
Pastureland and rangeland fertilized farms, 2022	8	15	49	117	251	19	19	11
..... farms, 2017	20	18	53	167	245	22	27	16
..... acres treated, 2022	63	330	619	2,564	4,005	127	131	120
..... acres treated, 2017	56	805	699	5,350	3,561	211	463	127
Manure farms, 2022	149	25	146	318	916	150	98	97
..... farms, 2017	176	21	141	280	937	144	112	119
..... acres treated, 2022	13,133	772	3,219	6,814	63,740	18,438	6,497	10,815
..... acres treated, 2017	15,985	435	2,716	8,165	63,782	12,087	8,505	7,403
Organic fertilizer farms, 2022	12	-	16	23	80	4	8	10
..... farms, 2017	17	-	15	20	108	6	10	10
..... acres treated, 2022	1,170	-	226	821	7,862	(D)	(D)	1,318
..... acres treated, 2017	1,107	-	1,180	466	9,419	234	1,147	393
Acres treated to control-								
Insects farms, 2022	210	9	126	72	287	154	285	110
..... farms, 2017	200	7	107	57	318	140	210	121
..... acres, 2022	66,685	1,283	28,201	4,394	33,638	48,576	58,054	43,698
..... acres, 2017	56,238	510	23,422	5,371	39,151	38,740	63,028	37,100
Weeds, grass, or brush farms, 2022	566	42	315	325	898	496	747	400
..... farms, 2017	553	35	240	271	763	409	633	367
..... acres, 2022	202,541	2,100	60,249	27,890	143,123	189,793	209,445	174,818
..... acres, 2017	225,979	4,870	56,664	23,120	133,984	162,687	222,941	184,058
Nematodes farms, 2022	33	3	42	27	85	44	91	49
..... farms, 2017	26	-	18	5	22	26	42	26
..... acres, 2022	7,647	(D)	16,002	856	7,918	8,738	16,662	15,987
..... acres, 2017	5,409	-	2,055	153	2,962	1,237	10,356	4,058
Diseases in crops and orchards farms, 2022	102	3	54	41	167	100	157	98
..... farms, 2017	83	5	32	23	115	65	91	74
..... acres, 2022	30,306	(D)	11,161	3,313	14,793	38,827	40,187	29,554
..... acres, 2017	24,965	811	7,404	1,226	3,898	15,876	19,896	27,173
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	13	6	42	20	55	12	23	10
..... farms, 2017	6	1	6	6	8	2	12	3
..... acres on which used, 2022	373	90	651	154	1,319	696	810	789
..... acres on which used, 2017	413	(D)	55	17	158	(D)	429	(D)