

Table 40. Fertilizers and Chemicals Applied: 2022 and 2017

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

Item	North Carolina	Alamance	Alexander	Alleghany	Anson	Ashe	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	20,113	327	210	218	131	362
	2017	23,908	349	242	256	140	484
acres treated, 2022	3,256,663	16,461	12,279	16,203	17,314	18,697	18,697
	2017	3,506,280	22,581	14,961	19,074	23,047	29,140
Cropland fertilized, except cropland pasture	farms, 2022	14,899	201	119	162	88	289
	2017	17,118	227	132	174	86	366
acres treated, 2022	2,985,405	10,260	7,468	11,981	15,021	13,696	13,696
	2017	3,138,269	15,762	7,711	13,308	18,985	18,500
Pastureland and rangeland fertilized	farms, 2022	7,984	182	145	101	50	111
	2017	10,981	195	163	140	71	209
acres treated, 2022	271,258	6,201	4,811	4,222	2,293	5,001	5,001
	2017	368,011	6,819	7,250	5,766	4,062	10,640
Manure	farms, 2022	6,773	97	183	46	84	61
	2017	7,859	126	160	61	76	93
acres treated, 2022	458,339	3,299	10,541	2,572	8,328	1,424	1,424
	2017	464,447	5,258	9,530	2,634	10,890	2,097
Organic fertilizer	farms, 2022	1,380	31	23	4	19	34
	2017	1,626	46	21	18	3	38
acres treated, 2022	52,197	1,448	410	170	2,161	1,689	1,689
	2017	64,383	857	1,814	574	541	432
Acres treated to control- Insects	farms, 2022	7,562	91	50	55	42	174
	2017	8,007	68	43	81	44	159
acres, 2022	1,611,584	3,483	1,837	7,699	6,772	8,414	8,414
	2017	2,712,981	3,193	2,388	8,592	15,611	12,686
Weeds, grass, or brush	farms, 2022	15,952	202	178	128	131	232
	2017	16,380	192	196	147	115	278
acres, 2022	3,897,836	11,548	12,419	10,805	24,946	13,611	13,611
	2017	3,944,774	15,540	15,993	12,602	29,881	18,232
Nematodes	farms, 2022	2,352	8	13	9	4	28
	2017	1,864	5	1	4	1	13
acres, 2022	637,548	1,080	121	640	104	444	444
	2017	573,559	(D)	(D)	(D)	(D)	512
Diseases in crops and orchards	farms, 2022	3,217	25	18	26	8	59
	2017	2,882	31	18	28	16	73
acres, 2022	626,889	568	467	4,056	352	1,813	1,813
	2017	767,734	1,090	1,084	1,945	5,989	2,388
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	2,586	15	24	3	9	27
	2017	1,416	8	12	2	5	9
acres on which used, 2022	627,240	548	1,023	(D)	853	1,010	1,010
	2017	450,810	31	394	(D)	1,388	255

Item	Avery	Beaufort	Bertie	Bladen	Brunswick	Buncombe	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	220	161	186	203	99	462
	2017	228	179	177	282	120	550
acres treated, 2022	8,488	85,136	81,333	37,452	19,581	12,393	12,393
	2017	6,333	87,178	77,592	51,497	19,247	14,682
Cropland fertilized, except cropland pasture	farms, 2022	204	155	184	184	64	324
	2017	209	160	164	251	97	370
acres treated, 2022	7,925	85,086	81,108	36,343	18,153	7,258	7,258
	2017	5,444	86,959	77,370	50,558	18,189	7,849
Pastureland and rangeland fertilized	farms, 2022	28	6	4	32	41	214
	2017	47	19	14	56	40	314
acres treated, 2022	563	50	225	1,109	1,428	5,135	5,135
	2017	889	219	222	939	1,058	6,833
Manure	farms, 2022	21	26	49	57	17	160
	2017	19	27	71	40	36	184
acres treated, 2022	172	7,499	9,231	7,126	459	2,425	2,425
	2017	227	478	11,323	3,412	1,119	2,777
Organic fertilizer	farms, 2022	3	2	1	11	1	69
	2017	11	-	10	8	14	77
acres treated, 2022	15	(D)	(D)	307	(D)	294	294
	2017	122	-	399	131	231	531
Acres treated to control- Insects	farms, 2022	184	103	134	145	43	104
	2017	148	135	122	175	61	96
acres, 2022	7,455	42,539	48,043	21,552	10,611	1,091	1,091
	2017	5,075	87,037	86,669	52,406	13,166	1,288
Weeds, grass, or brush	farms, 2022	196	165	219	216	62	245
	2017	154	175	182	246	95	241
acres, 2022	7,254	112,879	113,456	44,652	22,526	6,832	6,832
	2017	5,090	107,356	101,327	63,196	20,379	6,630
Nematodes	farms, 2022	34	25	74	49	8	26
	2017	7	39	42	49	14	8
acres, 2022	1,107	12,748	34,473	8,613	4,060	489	489
	2017	147	15,715	17,370	12,642	2,257	256
Diseases in crops and orchards	farms, 2022	81	30	70	78	10	47
	2017	34	58	48	83	21	47
acres, 2022	2,860	16,586	20,589	9,840	4,152	493	493
	2017	848	36,390	29,129	13,751	2,397	487
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	26	34	78	48	4	18
	2017	1	18	47	21	3	14
acres on which used, 2022	482	13,536	37,574	4,612	4	402	402
	2017	(D)	7,483	25,696	3,101	1,122	95

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

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

Item	Burke	Cabarrus	Caldwell	Camden	Carteret	Caswell	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	220	284	184	45	36	186
	2017	260	333	180	39	57	261
acres treated, 2022	8,729	25,949	8,680	44,191	(D)	13,555	
	2017	11,129	23,990	6,996	45,227	42,201	17,466
Cropland fertilized, except cropland pasture	farms, 2022	146	198	103	45	26	136
	2017	176	211	109	38	31	159
acres treated, 2022	6,226	21,046	6,166	44,176	(D)	9,567	
	2017	8,683	14,441	4,220	(D)	(D)	10,852
Pastureland and rangeland fertilized	farms, 2022	117	169	113	3	11	78
	2017	153	204	111	2	22	138
acres treated, 2022	2,503	4,903	2,514	15	(D)	3,988	
	2017	2,446	9,549	2,776	(D)	(D)	6,614
Manure	farms, 2022	79	96	59	7	5	47
	2017	103	76	71	2	14	42
acres treated, 2022	3,031	7,341	3,360	1,724	62	2,089	
	2017	2,843	5,077	2,473	(D)	152	1,446
Organic fertilizer	farms, 2022	9	15	10	-	-	21
	2017	18	22	22	3	9	13
acres treated, 2022	40	747	498	-	-	569	
	2017	759	243	872	10	23	413
Acres treated to control- Insects	farms, 2022	67	52	51	30	23	55
	2017	54	47	34	30	25	74
acres, 2022	3,986	6,266	2,921	21,415	(D)	5,076	
	2017	2,700	8,823	1,594	41,623	(D)	6,379
Weeds, grass, or brush	farms, 2022	154	185	117	52	32	131
	2017	140	186	108	35	34	156
acres, 2022	7,560	27,084	7,086	53,209	(D)	10,503	
	2017	10,303	24,620	7,097	53,455	43,868	14,040
Nematodes	farms, 2022	16	13	7	3	13	5
	2017	7	1	6	4	7	4
acres, 2022	429	134	44	(D)	1,704	380	
	2017	26	(D)	(D)	(D)	(D)	357
Diseases in crops and orchards	farms, 2022	39	17	25	7	9	28
	2017	16	22	14	19	14	23
acres, 2022	2,106	2,046	502	13,597	(D)	3,093	
	2017	823	7,720	294	24,176	(D)	380
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	17	13	9	3	3	21
	2017	4	6	7	2	2	15
acres on which used, 2022	169	971	40	(D)	(D)	2,019	
	2017	14	(D)	68	(D)	(D)	369

Item	Catawba	Chatham	Cherokee	Chowan	Clay	Cleveland	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	270	359	93	108	62	401
	2017	373	498	134	67	88	496
acres treated, 2022	22,232	26,327	5,039	51,161	2,059	37,055	
	2017	30,110	26,411	6,673	33,022	3,406	40,568
Cropland fertilized, except cropland pasture	farms, 2022	177	169	56	96	29	240
	2017	220	275	81	67	58	256
acres treated, 2022	14,526	14,129	2,065	50,911	1,140	23,280	
	2017	20,562	13,997	2,634	(D)	1,995	25,213
Pastureland and rangeland fertilized	farms, 2022	140	244	50	12	40	258
	2017	234	334	80	1	60	323
acres treated, 2022	7,706	12,198	2,974	250	919	13,775	
	2017	9,548	12,414	4,039	(D)	1,411	15,355
Manure	farms, 2022	148	231	37	11	17	190
	2017	130	253	54	6	16	241
acres treated, 2022	6,947	13,786	2,147	665	418	13,850	
	2017	6,138	11,769	2,888	193	271	12,664
Organic fertilizer	farms, 2022	21	22	8	10	2	40
	2017	23	44	21	3	17	32
acres treated, 2022	627	249	156	504	(D)	2,096	
	2017	707	667	141	81	194	2,248
Acres treated to control- Insects	farms, 2022	74	65	36	86	9	93
	2017	78	74	26	55	8	95
acres, 2022	3,187	4,661	(D)	41,209	66	6,218	
	2017	8,502	3,499	657	37,071	315	6,751
Weeds, grass, or brush	farms, 2022	212	283	51	96	44	292
	2017	226	367	69	68	43	330
acres, 2022	19,303	24,813	2,039	57,906	2,032	33,830	
	2017	23,652	21,012	4,460	41,810	3,181	36,453
Nematodes	farms, 2022	16	11	7	44	4	17
	2017	1	8	8	31	9	11
acres, 2022	517	(D)	133	16,466	35	3,206	
	2017	(D)	1,574	439	9,757	240	714
Diseases in crops and orchards	farms, 2022	23	11	19	52	5	46
	2017	17	17	24	32	8	7
acres, 2022	1,260	70	155	18,945	42	4,073	
	2017	2,069	456	468	13,497	241	70
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	14	13	21	65	4	15
	2017	2	-	4	36	3	6
acres on which used, 2022	470	1,950	96	21,848	51	231	
	2017	(D)	-	(D)	14,841	4	496

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

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

Item	Columbus	Craven	Cumberland	Currituck	Dare	Davidson	Davie	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	269	141	146	38	3	454	275
	2017	325	126	139	56	13	572	332
acres treated, 2022	51,324	44,557	24,797	22,885	(D)	23,646	24,478	
	2017	77,929	46,171	25,590	24,602	2,291	30,502	27,740
Cropland fertilized, except cropland pasture	farms, 2022	227	114	127	30	1	349	156
	2017	271	112	119	50	13	426	203
acres treated, 2022	49,719	43,651	24,259	22,825	(D)	19,087	17,921	
	2017	75,605	45,631	24,899	24,574	2,243	24,362	19,295
Pastureland and rangeland fertilized	farms, 2022	58	30	32	10	2	203	170
	2017	72	24	26	8	3	274	206
acres treated, 2022	1,605	906	538	60	(D)	4,559	6,557	
	2017	2,324	540	691	28	48	6,140	8,445
Manure	farms, 2022	70	22	42	8	4	132	81
	2017	40	13	58	5	2	152	90
acres treated, 2022	6,675	2,741	1,721	61	4	4,883	3,098	
	2017	3,814	336	2,930	46	(D)	4,645	2,767
Organic fertilizer	farms, 2022	8	4	2	1	3	30	19
	2017	13	8	-	-	-	25	11
acres treated, 2022	92	(D)	(D)	(D)	3	715	417	
	2017	213	367	-	-	710	184	
Acres treated to control- Insects	farms, 2022	172	75	72	20	5	82	33
	2017	185	81	72	33	7	96	37
acres, 2022	36,683	31,630	8,006	10,123	14	2,984	1,867	
	2017	71,430	40,155	17,569	17,892	(D)	4,228	12,250
Weeds, grass, or brush	farms, 2022	277	147	130	40	5	277	162
	2017	274	117	132	42	10	304	161
acres, 2022	64,346	53,934	28,713	30,985	6	17,955	27,145	
	2017	98,209	55,213	26,621	33,337	2,827	23,777	23,818
Nematodes	farms, 2022	59	22	17	3	-	28	10
	2017	57	25	26	2	1	4	4
acres, 2022	14,512	9,476	4,292	92	-	580	833	
	2017	20,039	7,555	7,685	(D)	(D)	905	
Diseases in crops and orchards	farms, 2022	58	28	29	5	2	39	16
	2017	44	22	22	9	4	31	19
acres, 2022	15,067	12,576	1,716	(D)	(D)	1,028	567	
	2017	15,990	13,108	5,944	7,611	(D)	1,095	3,094
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	52	16	18	9	2	34	15
	2017	15	11	7	2	1	9	3
acres on which used, 2022	4,406	7,868	2,417	110	(D)	1,009	521	
	2017	2,415	4,719	2,676	(D)	(D)	141	(D)
Item	Duplin	Durham	Edgecombe	Forsyth	Franklin	Gaston	Gates	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	429	87	133	227	218	190	64
	2017	391	104	125	292	228	247	49
acres treated, 2022	90,857	2,697	77,273	8,626	25,346	11,051	43,218	
	2017	91,929	3,251	73,561	9,075	28,602	12,247	36,514
Cropland fertilized, except cropland pasture	farms, 2022	370	52	124	158	143	112	53
	2017	331	65	116	221	147	138	46
acres treated, 2022	88,415	1,903	77,016	6,894	21,713	8,183	42,053	
	2017	88,095	2,024	73,122	6,548	20,784	7,465	36,349
Pastureland and rangeland fertilized	farms, 2022	83	46	10	106	96	111	12
	2017	92	56	12	139	127	170	5
acres treated, 2022	2,442	794	257	1,732	3,633	2,868	1,165	
	2017	3,834	1,227	439	2,527	7,818	4,782	165
Manure	farms, 2022	225	33	24	62	50	72	20
	2017	207	44	25	101	58	87	10
acres treated, 2022	24,921	256	3,645	945	1,876	2,833	3,114	
	2017	17,171	391	6,135	2,223	2,657	2,471	2,619
Organic fertilizer	farms, 2022	14	6	6	25	8	18	2
	2017	21	15	3	20	17	12	2
acres treated, 2022	937	10	212	344	(D)	194	(D)	
	2017	3,456	236	100	203	2,448	389	(D)
Acres treated to control- Insects	farms, 2022	197	36	99	63	76	37	47
	2017	221	17	86	51	70	61	40
acres, 2022	43,517	387	47,095	896	9,413	3,288	33,418	
	2017	98,988	552	73,438	3,148	12,024	2,795	41,688
Weeds, grass, or brush	farms, 2022	475	59	134	112	177	127	84
	2017	361	50	110	133	159	125	44
acres, 2022	129,010	2,604	105,163	9,527	33,377	10,015	52,207	
	2017	132,009	1,982	91,442	6,964	28,580	8,193	43,484
Nematodes	farms, 2022	47	11	70	13	31	4	21
	2017	46	3	40	3	24	3	12
acres, 2022	12,881	31	32,148	367	3,374	5	8,655	
	2017	18,079	16	17,959	14	3,379	(D)	9,254
Diseases in crops and orchards	farms, 2022	62	13	57	27	26	20	23
	2017	46	4	33	23	16	18	25
acres, 2022	16,694	102	22,389	303	3,685	202	12,069	
	2017	11,347	17	28,257	1,732	1,509	1,709	18,983
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	62	2	75	8	21	10	32
	2017	18	2	29	5	13	6	21
acres on which used, 2022	9,333	(D)	31,533	700	2,117	84	13,172	
	2017	8,509	(D)	16,775	9	1,367	180	7,797

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

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

Item	Graham	Granville	Greene	Guilford	Halifax	Harnett	Haywood	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	22	228	123	418	118	284	263
	2017	55	282	115	500	158	280	312
acres treated, 2022	185	14,696	55,179	26,535	104,637	48,555	9,975	
	2017	794	23,317	51,137	30,485	104,948	45,529	11,524
Cropland fertilized, except cropland pasture	farms, 2022	19	167	110	307	106	237	176
	2017	36	186	106	355	143	208	221
acres treated, 2022	128	11,504	54,442	22,223	103,858	46,017	4,556	
	2017	368	18,235	50,918	22,503	102,760	42,807	6,409
Pastureland and rangeland fertilized	farms, 2022	5	86	20	189	17	85	131
	2017	38	145	14	262	25	114	183
acres treated, 2022	57	3,192	737	4,312	779	2,538	5,419	
	2017	426	5,082	219	7,982	2,188	2,722	5,115
Manure	farms, 2022	12	41	41	120	16	55	96
	2017	10	36	24	97	26	97	104
acres treated, 2022	49	748	4,101	5,465	2,469	5,353	1,269	
	2017	53	414	2,603	2,701	3,982	7,400	2,399
Organic fertilizer	farms, 2022	8	13	-	45	5	8	19
	2017	4	27	-	15	5	40	12
acres treated, 2022	8	1,954	-	1,187	386	183	170	
	2017	16	2,112	-	216	616	1,026	75
Acres treated to control- Insects	farms, 2022	10	40	84	122	71	141	75
	2017	20	83	74	109	106	115	74
acres, 2022	16	2,627	38,329	6,026	44,742	23,176	3,045	
	2017	59	7,929	50,703	8,973	81,172	39,449	2,723
Weeds, grass, or brush	farms, 2022	12	131	140	246	122	251	175
	2017	42	184	115	315	149	248	213
acres, 2022	51	13,087	80,770	22,800	123,038	63,824	7,946	
	2017	398	20,641	58,192	24,541	122,163	60,778	7,018
Nematodes	farms, 2022	1	8	33	22	41	64	15
	2017	3	35	44	8	49	55	18
acres, 2022	(D)	847	13,814	1,538	39,252	16,723	272	
	2017	11	2,441	18,881	1,245	24,729	19,023	707
Diseases in crops and orchards	farms, 2022	1	20	23	50	38	49	32
	2017	6	40	19	40	60	48	42
acres, 2022	(D)	998	11,392	1,922	1,922	15,910	9,786	579
	2017	27	2,623	10,225	4,285	30,534	17,332	999
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	-	14	33	35	67	51	13
	2017	1	29	20	10	86	31	5
acres on which used, 2022	-	1,452	9,690	2,112	56,195	13,645	401	
	(D)	1,299	6,591	264	50,650	12,604	579	

Item	Henderson	Hertford	Hoke	Hyde	Iredell	Jackson	Johnston	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	280	62	74	89	413	115	496
	2017	262	65	71	95	559	109	579
acres treated, 2022	11,449	37,547	13,128	61,661	44,812	2,841	83,436	
	2017	16,199	43,120	19,290	57,772	49,197	4,249	93,348
Cropland fertilized, except cropland pasture	farms, 2022	228	61	54	89	264	85	377
	2017	196	60	53	93	339	95	460
acres treated, 2022	10,471	(D)	12,138	61,661	36,183	2,080	80,194	
	2017	14,502	42,958	18,803	(D)	34,959	3,377	88,914
Pastureland and rangeland fertilized	farms, 2022	76	2	32	-	232	45	157
	2017	113	7	28	2	364	35	189
acres treated, 2022	978	(D)	990	-	8,629	761	3,242	
	2017	1,697	162	487	(D)	14,238	872	4,434
Manure	farms, 2022	44	5	27	3	158	30	97
	2017	78	15	16	15	222	26	126
acres treated, 2022	797	318	935	(D)	8,383	414	3,018	
	2017	1,001	1,152	1,464	6,551	10,929	685	4,578
Organic fertilizer	farms, 2022	21	2	2	-	29	2	32
	2017	23	3	14	3	43	10	22
acres treated, 2022	104	(D)	(D)	-	973	(D)	670	
	2017	251	(D)	334	120	2,016	266	512
Acres treated to control- Insects	farms, 2022	179	39	43	51	87	60	218
	2017	126	50	33	73	71	46	284
acres, 2022	8,110	29,933	1,589	18,674	11,949	1,414	42,325	
	2017	9,394	51,199	18,583	68,185	19,816	1,420	72,688
Weeds, grass, or brush	farms, 2022	200	63	73	84	300	102	490
	2017	175	58	54	80	322	76	519
acres, 2022	10,642	41,362	17,493	88,729	44,410	2,690	99,156	
	2017	13,787	55,140	25,074	86,436	48,876	2,831	107,090
Nematodes	farms, 2022	54	23	8	21	21	10	91
	2017	17	20	14	7	5	5	117
acres, 2022	2,175	19,109	3,270	15,151	3,672	138	24,702	
	2017	2,222	5,290	12,368	5,150	511	54	26,615
Diseases in crops and orchards	farms, 2022	146	29	7	17	39	21	84
	2017	107	30	5	35	21	28	65
acres, 2022	6,611	11,253	(D)	10,631	5,880	202	14,156	
	2017	10,159	8,503	4,228	28,828	8,549	765	16,147
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	105	28	15	25	21	7	72
	2017	51	27	4	18	14	-	51
acres on which used, 2022	5,523	18,227	2,733	16,108	920	190	13,833	
	2017	3,619	13,918	3,435	11,910	1,033	-	8,222

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

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

Item	Jones	Lee	Lenoir	Lincoln	McDowell	Macon	Madison
Commercial fertilizer, lime, and soil conditioners farms, 2022	72	101	191	286	113	178	173
..... 2017	98	116	219	287	183	174	309
..... acres treated, 2022	32,306	8,524	74,605	18,730	2,576	3,719	4,158
..... 2017	32,927	11,429	62,593	19,745	5,660	4,889	7,839
Cropland fertilized, except cropland pasture farms, 2022	58	72	163	169	78	108	126
..... 2017	84	82	182	189	141	99	226
..... acres treated, 2022	31,777	7,453	73,412	12,446	1,722	1,356	2,016
..... 2017	32,417	9,520	61,324	14,509	3,277	2,002	3,667
Pastureland and rangeland fertilized farms, 2022	17	44	39	174	45	111	69
..... 2017	28	52	45	157	103	120	155
..... acres treated, 2022	529	1,071	1,193	6,284	854	2,363	2,142
..... 2017	510	1,909	1,269	5,236	2,383	2,887	4,172
Manure farms, 2022	24	37	84	109	26	41	77
..... 2017	41	58	74	125	51	30	120
..... acres treated, 2022	3,289	1,081	10,249	7,099	362	786	1,031
..... 2017	2,724	2,547	6,058	7,400	1,078	455	1,182
Organic fertilizer farms, 2022	3	8	11	31	10	21	46
..... 2017	6	6	3	15	10	12	44
..... acres treated, 2022	210	390	2,216	675	128	267	214
..... 2017	202	241	174	730	64	33	254
Acres treated to control-							
Insects farms, 2022	45	47	118	48	32	54	46
..... 2017	69	44	160	58	20	33	50
..... acres, 2022	13,861	3,856	52,632	3,672	1,116	448	331
..... 2017	31,443	11,477	70,948	6,205	(D)	235	549
Weeds, grass, or brush farms, 2022	72	88	221	186	66	90	93
..... 2017	91	82	206	181	85	69	160
..... acres, 2022	47,796	10,923	95,453	17,162	1,915	1,589	1,653
..... 2017	49,947	15,264	74,264	17,964	2,456	1,756	2,897
Nematodes farms, 2022	17	12	61	10	7	30	13
..... 2017	16	11	57	5	4	4	10
..... acres, 2022	10,883	(D)	18,486	86	157	126	46
..... 2017	8,778	1,672	19,867	24	10	11	34
Diseases in crops and orchards farms, 2022	13	17	49	19	12	33	20
..... 2017	23	10	47	13	10	11	26
..... acres, 2022	2,157	355	15,734	1,223	329	211	211
..... 2017	4,600	2,018	16,378	927	(D)	23	223
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	21	12	46	5	8	25	15
..... 2017	24	7	20	7	2	-	7
..... acres on which used, 2022	11,754	1,719	11,643	59	173	162	219
..... 2017	11,493	885	6,631	94	(D)	-	74
Item	Martin	Mecklenburg	Mitchell	Montgomery	Moore	Nash	New Hanover
Commercial fertilizer, lime, and soil conditioners farms, 2022	211	73	99	77	338	197	23
..... 2017	226	91	123	105	314	233	20
..... acres treated, 2022	79,043	2,051	1,824	6,643	20,307	53,038	813
..... 2017	79,683	5,159	2,577	7,221	16,453	65,075	160
Cropland fertilized, except cropland pasture farms, 2022	206	49	72	52	204	147	16
..... 2017	209	72	99	57	141	175	18
..... acres treated, 2022	78,394	1,310	868	5,407	13,701	50,761	702
..... 2017	79,259	3,828	1,290	4,165	11,915	62,745	(D)
Pastureland and rangeland fertilized farms, 2022	10	34	50	31	184	64	8
..... 2017	21	63	52	61	212	76	2
..... acres treated, 2022	649	741	956	1,236	6,606	2,277	111
..... 2017	424	1,331	1,287	3,056	4,538	2,330	(D)
Manure farms, 2022	16	23	29	38	201	55	12
..... 2017	18	23	28	67	215	75	11
..... acres treated, 2022	1,513	252	212	3,318	9,699	7,492	313
..... 2017	1,392	213	334	4,920	11,530	4,140	138
Organic fertilizer farms, 2022	3	12	3	2	36	7	4
..... 2017	11	2	4	8	40	13	-
..... acres treated, 2022	120	99	39	(D)	3,320	220	(D)
..... 2017	334	(D)	27	331	1,906	1,060	-
Acres treated to control-							
Insects farms, 2022	143	31	43	25	133	95	13
..... 2017	164	25	50	24	93	115	9
..... acres, 2022	49,551	534	204	1,602	8,212	35,827	93
..... 2017	83,326	445	527	1,411	9,856	50,433	63
Weeds, grass, or brush farms, 2022	212	44	67	78	272	183	23
..... 2017	205	52	86	83	283	192	15
..... acres, 2022	94,593	1,447	673	7,893	20,587	69,252	813
..... 2017	95,654	3,285	1,606	7,351	17,201	62,453	94
Nematodes farms, 2022	79	11	11	8	15	48	3
..... 2017	78	7	-	4	22	51	-
..... acres, 2022	30,878	(D)	55	(D)	773	17,748	18
..... 2017	21,736	13	-	257	2,521	22,562	-
Diseases in crops and orchards farms, 2022	63	16	26	17	29	40	6
..... 2017	78	10	22	8	25	44	1
..... acres, 2022	12,876	282	72	488	1,868	11,697	61
..... 2017	23,253	118	247	821	2,034	22,633	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	89	7	14	13	31	62	2
..... 2017	107	4	5	2	6	22	-
..... acres on which used, 2022	36,571	29	51	871	1,366	18,244	(D)
..... 2017	35,631	(D)	56	(D)	(D)	10,995	-

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

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

Item	Northampton	Onslow	Orange	Pamlico	Pasquotank	Pender	Perquimans	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	156	143	310	56	101	132	106
	2017	175	154	354	58	97	132	105
acres treated, 2022	96,215	22,256	11,006	31,226	64,994	30,069	55,082	
	2017	88,003	23,271	22,291	26,405	61,740	24,301	61,537
Cropland fertilized, except cropland pasture	farms, 2022	152	118	204	52	98	112	104
	2017	158	115	262	51	92	110	94
acres treated, 2022	95,968	21,609	7,374	30,900	64,900	27,777	55,053	
	2017	87,387	22,307	16,033	26,224	61,628	23,370	61,365
Pastureland and rangeland fertilized	farms, 2022	5	32	154	7	4	20	3
	2017	19	47	172	7	5	25	16
acres treated, 2022	247	647	3,632	326	94	2,292	29	
	2017	616	964	6,258	181	112	931	172
Manure	farms, 2022	32	51	106	6	4	39	8
	2017	43	60	167	4	5	38	17
acres treated, 2022	5,026	5,062	1,529	305	1,767	5,752	1,331	
	2017	6,137	4,247	4,886	(D)	(D)	2,750	2,599
Organic fertilizer	farms, 2022	5	14	66	1	3	3	8
	2017	-	8	92	-	1	8	8
acres treated, 2022	68	569	729	(D)	815	15	(D)	
	2017	-	211	687	-	(D)	60	1,068
Acres treated to control- Insects	farms, 2022	108	83	98	25	71	81	53
	2017	126	85	79	35	70	63	90
acres, 2022	67,550	13,744	1,437	18,181	50,385	21,601	26,070	
	2017	84,191	21,832	5,503	25,297	58,328	19,883	60,608
Weeds, grass, or brush	farms, 2022	163	134	186	51	102	122	108
	2017	161	134	195	52	96	107	93
acres, 2022	116,082	29,719	9,845	38,333	83,170	33,442	71,577	
	2017	99,427	29,901	20,464	35,857	64,575	27,417	68,519
Nematodes	farms, 2022	46	20	20	9	34	20	27
	2017	33	25	13	5	12	15	20
acres, 2022	21,546	4,815	299	3,426	13,724	1,885	8,271	
	2017	15,066	11,645	849	898	5,641	1,248	5,271
Diseases in crops and orchards	farms, 2022	62	18	44	22	35	39	37
	2017	42	17	40	12	26	30	24
acres, 2022	32,353	2,409	481	6,922	21,156	6,107	11,562	
	2017	17,131	3,777	1,027	6,333	17,395	3,364	20,871
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	83	17	12	9	27	29	36
	2017	90	8	8	3	5	2	18
acres on which used, 2022	39,368	4,983	347	4,788	4,830	3,224	11,390	
	2017	40,377	2,016	746	(D)	2,680	(D)	5,933

Item	Person	Pitt	Polk	Randolph	Richmond	Robeson	Rockingham	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	176	203	119	470	61	388	398
	2017	228	255	148	647	88	432	429
acres treated, 2022	29,568	84,175	4,559	35,750	4,803	123,055	23,914	
	2017	34,815	110,630	6,530	44,770	7,585	129,820	25,306
Cropland fertilized, except cropland pasture	farms, 2022	144	181	67	306	48	318	305
	2017	179	240	72	390	63	356	339
acres treated, 2022	26,160	83,618	2,734	27,620	4,456	121,406	17,801	
	2017	27,576	110,024	2,655	33,225	6,729	127,229	20,012
Pastureland and rangeland fertilized	farms, 2022	61	26	74	252	17	89	185
	2017	93	22	108	376	38	133	210
acres treated, 2022	3,408	557	1,825	8,130	347	1,649	6,113	
	2017	7,239	606	3,875	11,545	856	2,591	5,294
Manure	farms, 2022	31	49	60	362	77	162	65
	2017	48	45	54	303	63	131	78
acres treated, 2022	667	3,782	1,237	23,507	4,347	32,311	1,776	
	2017	1,648	3,492	1,259	23,810	3,696	16,546	1,485
Organic fertilizer	farms, 2022	6	14	5	30	6	22	30
	2017	31	19	7	42	1	25	14
acres treated, 2022	256	1,294	59	1,352	155	821	907	
	2017	631	1,871	262	1,874	(D)	1,124	563
Acres treated to control- Insects	farms, 2022	74	144	34	80	18	190	83
	2017	85	171	39	87	34	279	122
acres, 2022	5,767	62,906	957	9,903	618	80,082	4,180	
	2017	21,369	112,786	857	12,945	3,587	138,850	11,910
Weeds, grass, or brush	farms, 2022	136	200	82	400	75	406	244
	2017	124	228	68	442	95	340	253
acres, 2022	32,654	116,084	2,186	37,997	8,444	170,924	19,627	
	2017	28,800	128,720	3,307	42,929	11,864	178,454	20,154
Nematodes	farms, 2022	15	61	4	30	6	48	23
	2017	23	48	2	14	2	48	21
acres, 2022	511	29,156	4	1,318	1,025	18,320	973	
	2017	3,248	18,330	(D)	2,051	(D)	28,652	1,134
Diseases in crops and orchards	farms, 2022	18	53	11	35	6	62	34
	2017	21	60	8	18	6	83	49
acres, 2022	143	26,324	65	783	207	25,151	301	
	2017	3,242	29,149	192	303	202	26,884	2,146
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	23	66	4	18	6	43	26
	2017	15	37	4	2	2	20	27
acres on which used, 2022	3,167	25,429	53	573	921	17,411	1,337	
	2017	1,938	18,062	(D)	(D)	(D)	8,764	1,652

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

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

Item	Rowan	Rutherford	Sampson	Scotland	Stanly	Stokes	Surry
Commercial fertilizer, lime, and soil conditioners	farms, 2022	446	187	414	60	302	437
	2017	568	272	515	47	358	621
acres treated, 2022	51,342	11,794	119,016	14,128	50,317	17,481	36,432
	2017	56,598	10,913	140,849	18,382	43,705	51,980
Cropland fertilized, except cropland pasture	farms, 2022	315	127	366	49	217	324
	2017	381	127	447	36	226	411
acres treated, 2022	40,367	8,300	117,099	13,677	43,332	10,844	26,469
	2017	44,231	3,661	136,799	17,971	35,530	39,665
Pastureland and rangeland fertilized	farms, 2022	240	86	73	11	152	231
	2017	349	193	123	14	212	360
acres treated, 2022	10,975	3,494	1,917	451	6,985	6,637	9,963
	2017	12,367	7,252	4,050	411	8,175	12,315
Manure	farms, 2022	125	131	157	27	68	159
	2017	159	152	234	22	110	220
acres treated, 2022	4,697	4,803	17,540	3,131	8,115	2,773	9,107
	2017	8,166	7,324	18,244	3,949	7,389	12,968
Organic fertilizer	farms, 2022	22	13	8	1	12	19
	2017	24	38	18	-	12	23
acres treated, 2022	3,023	230	351	(D)	413	857	548
	2017	524	1,002	1,623	-	270	808
Acres treated to control- Insects	farms, 2022	86	57	259	34	67	92
	2017	84	46	308	17	47	93
acres, 2022	7,856	5,966	75,348	2,374	23,064	2,783	11,909
	2017	15,445	621	135,944	9,726	10,862	20,397
Weeds, grass, or brush	farms, 2022	278	136	447	57	212	291
	2017	323	120	491	42	207	321
acres, 2022	46,676	10,461	151,670	22,382	49,501	8,062	34,078
	2017	50,047	5,172	177,588	26,014	46,013	43,171
Nematodes	farms, 2022	15	19	102	9	19	20
	2017	12	1	116	5	3	26
acres, 2022	(D)	347	40,671	4,356	3,822	242	2,291
	2017	3,569	(D)	34,263	2,410	(D)	7,938
Diseases in crops and orchards	farms, 2022	38	24	117	22	23	49
	2017	42	14	112	4	15	44
acres, 2022	9,285	4,019	35,269	2,071	1,936	31	3,134
	2017	8,002	38	40,794	1,591	3,377	10,098
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	11	4	111	9	29	41
	2017	14	3	46	8	12	12
acres on which used, 2022	713	93	32,075	4,383	10,555	791	1,974
	2017	1,574	(D)	19,530	6,598	7,484	959

Item	Swain	Transylvania	Tyrrell	Union	Vance	Wake	Warren
Commercial fertilizer, lime, and soil conditioners	farms, 2022	28	76	47	341	63	119
	2017	52	141	55	402	124	122
acres treated, 2022	451	2,209	38,296	97,019	5,503	18,180	16,884
	2017	879	4,868	38,947	77,947	13,838	15,464
Cropland fertilized, except cropland pasture	farms, 2022	22	46	46	203	52	86
	2017	32	81	48	225	99	91
acres treated, 2022	289	1,171	(D)	90,561	5,006	16,712	14,023
	2017	410	2,659	38,771	69,065	12,326	12,375
Pastureland and rangeland fertilized	farms, 2022	14	46	1	174	18	55
	2017	29	83	7	229	47	77
acres treated, 2022	162	1,038	(D)	6,458	497	1,468	2,661
	2017	469	2,209	176	8,882	1,512	3,089
Manure	farms, 2022	14	43	3	149	5	15
	2017	8	55	12	189	22	39
acres treated, 2022	70	1,034	(D)	17,282	(D)	747	4,208
	2017	34	583	1,931	35,419	585	1,920
Organic fertilizer	farms, 2022	6	3	-	46	5	6
	2017	2	14	-	23	13	13
acres treated, 2022	6	21	-	731	420	337	(D)
	2017	(D)	71	-	5,022	2,683	(D)
Acres treated to control- Insects	farms, 2022	5	15	20	111	37	34
	2017	11	33	29	113	52	54
acres, 2022	16	243	15,273	25,105	2,192	9,225	6,058
	2017	163	507	34,238	88,707	4,930	9,256
Weeds, grass, or brush	farms, 2022	14	47	52	290	54	85
	2017	26	86	45	325	78	92
acres, 2022	(D)	1,914	51,952	128,461	10,838	23,358	18,094
	2017	438	3,007	50,218	132,890	9,968	33,471
Nematodes	farms, 2022	-	5	7	30	6	12
	2017	4	5	4	6	13	18
acres, 2022	-	60	2,315	5,980	352	3,831	819
	2017	136	79	(D)	(D)	657	2,742
Diseases in crops and orchards	farms, 2022	9	11	4	35	6	13
	2017	7	18	8	25	21	12
acres, 2022	10	224	4,589	4,167	24	3,255	(D)
	2017	155	455	6,444	9,769	1,742	1,453
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	1	2	5	35	8	16
	2017	-	-	1	7	10	6
acres on which used, 2022	(D)	(D)	2,923	8,344	1,023	3,604	844
	2017	-	-	(D)	4,085	912	1,076

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

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

Item	Washington	Watauga	Wayne	Wilkes	Wilson	Yadkin	Yancey
Commercial fertilizer, lime, and soil conditioners farms, 2022	71	200	225	292	114	375	167
..... farms, 2017	80	251	322	354	149	446	210
..... acres treated, 2022	46,218	6,294	78,619	23,483	75,169	41,928	3,727
..... acres treated, 2017	52,026	10,001	91,438	23,244	82,786	36,453	4,714
Cropland fertilized, except cropland pasture farms, 2022	66	149	200	184	97	267	125
..... farms, 2017	69	182	280	196	125	295	168
..... acres treated, 2022	46,066	4,293	77,178	14,958	74,405	35,952	2,440
..... acres treated, 2017	51,651	3,416	89,888	14,357	81,354	27,153	3,111
Pastureland and rangeland fertilized farms, 2022	5	93	38	165	18	165	81
..... farms, 2017	12	120	60	217	34	274	85
..... acres treated, 2022	152	2,001	1,441	8,525	764	5,976	1,287
..... acres treated, 2017	375	6,585	1,550	8,887	1,432	9,300	1,603
Manure farms, 2022	7	61	70	195	22	168	40
..... farms, 2017	18	84	153	235	37	158	70
..... acres treated, 2022	1,826	795	8,931	19,240	2,243	11,051	357
..... acres treated, 2017	4,102	1,014	15,869	15,880	4,140	11,094	484
Organic fertilizer farms, 2022	1	13	3	17	1	29	26
..... farms, 2017	-	29	14	32	5	24	23
..... acres treated, 2022	(D)	24	165	287	(D)	566	123
..... acres treated, 2017	-	182	1,549	777	158	425	167
Acres treated to control-							
Insects farms, 2022	49	63	132	57	73	70	35
..... farms, 2017	56	57	180	60	114	57	58
..... acres, 2022	20,406	1,755	48,273	5,537	54,371	15,010	147
..... acres, 2017	56,886	1,015	77,661	4,153	79,844	15,911	421
Weeds, grass, or brush farms, 2022	69	110	241	259	120	322	71
..... farms, 2017	75	117	306	282	126	266	80
..... acres, 2022	68,223	4,212	108,282	18,523	96,766	52,381	1,009
..... acres, 2017	66,632	1,801	111,401	24,583	91,619	35,820	2,006
Nematodes farms, 2022	16	20	51	14	45	20	4
..... farms, 2017	9	-	53	8	54	7	1
..... acres, 2022	7,530	293	17,446	1,123	34,736	1,636	14
..... acres, 2017	4,419	-	15,869	(D)	32,138	1,247	(D)
Diseases in crops and orchards farms, 2022	21	47	43	23	45	45	24
..... farms, 2017	15	32	35	22	54	22	15
..... acres, 2022	14,763	572	16,273	1,466	26,917	1,384	109
..... acres, 2017	19,564	153	10,102	460	33,469	6,737	104
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	12	17	49	12	40	30	9
..... farms, 2017	12	1	22	16	27	8	2
..... acres on which used, 2022	13,591	233	16,678	233	17,453	2,356	60
..... acres on which used, 2017	7,607	(D)	5,232	644	10,610	1,887	(D)