

Table 40. Fertilizers and Chemicals Applied: 2017 and 2012

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

Item	North Carolina	Alamance	Alexander	Alleghany	Anson	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	23,908	349	242	256	140
	2012	24,410	376	201	300	139
acres treated, 2017	3,506,280	22,581	14,961	19,074	23,047	23,047
	2012	3,488,942	26,077	13,556	23,921	18,263
Cropland fertilized, except cropland pasture	farms, 2017	17,118	227	132	174	86
	2012	17,813	247	94	213	84
acres treated, 2017	3,138,269	15,762	7,711	13,308	18,985	18,985
	2012	3,145,099	16,681	8,382	17,853	14,010
Pastureland and rangeland fertilized	farms, 2017	10,981	195	163	140	71
	2012	10,805	217	150	142	71
acres treated, 2017	368,011	6,819	7,250	5,766	4,062	4,062
	2012	343,843	9,396	5,174	6,068	4,253
Manure	farms, 2017	7,859	126	160	61	76
	2012	7,427	105	178	65	89
acres treated, 2017	464,447	5,258	9,530	2,634	10,890	10,890
	2012	449,093	4,462	12,944	2,766	9,049
Organic fertilizer (see text)	farms, 2017	1,626	46	21	18	3
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	64,383	857	1,814	574	541	541
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	8,007	68	43	81	44
	2012	10,652	86	61	109	49
Insects	acres, 2017	2,712,981	3,193	2,388	8,592	15,611
	2012	2,350,771	3,362	3,051	13,517	6,000
Weeds, grass, or brush	farms, 2017	16,380	192	196	147	115
	2012	19,535	189	213	179	113
acres, 2017	3,944,774	15,540	15,993	12,602	29,881	29,881
	2012	3,776,603	16,018	12,810	18,231	20,281
Nematodes	farms, 2017	1,864	5	1	4	1
	2012	2,531	19	8	12	4
acres, 2017	573,559	(D)	(D)	(D)	(D)	(D)
	2012	627,543	928	48	(D)	660
Diseases in crops and orchards	farms, 2017	2,882	31	18	28	16
	2012	3,582	24	23	31	14
acres, 2017	767,734	1,090	1,084	1,945	5,989	5,989
	2012	670,001	617	486	3,042	3,793
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	1,416	8	12	2	5
	2012	2,132	11	18	8	7
acres on which used, 2017	450,810	31	394	(D)	1,388	1,388
	2012	620,800	318	1,198	430	1,458

Item	Ashe	Avery	Beaufort	Bertie	Bladen	Brunswick	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	484	228	179	177	282	120
	2012	589	282	185	195	272	128
acres treated, 2017	29,140	6,333	87,178	77,592	51,497	19,247	
	2012	21,760	6,528	99,187	81,176	39,724	21,664
Cropland fertilized, except cropland pasture	farms, 2017	366	209	160	164	251	97
	2012	458	258	179	191	224	106
acres treated, 2017	18,500	5,444	86,959	77,370	50,558	18,189	
	2012	14,785	5,724	99,054	80,907	37,967	21,036
Pastureland and rangeland fertilized	farms, 2017	209	47	19	14	56	40
	2012	227	49	13	7	61	32
acres treated, 2017	10,640	889	219	222	939	1,058	
	2012	6,975	804	133	269	1,757	628
Manure	farms, 2017	93	19	27	71	40	36
	2012	101	20	13	62	46	24
acres treated, 2017	2,097	227	478	11,323	3,412	1,119	
	2012	1,877	156	3,059	9,485	2,178	1,120
Organic fertilizer (see text)	farms, 2017	38	11	-	10	8	14
	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	432	122	-	399	131	231	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	159	148	135	122	175	61
	2012	315	243	134	142	181	83
Insects	acres, 2017	12,686	5,075	87,037	86,669	52,406	13,166
	2012	12,143	5,691	81,567	62,385	30,552	21,302
Weeds, grass, or brush	farms, 2017	278	154	175	182	246	95
	2012	403	266	197	215	261	117
acres, 2017	18,232	5,090	107,356	101,327	63,196	20,379	
	2012	15,408	6,365	122,233	88,657	42,645	23,121
Nematodes	farms, 2017	13	7	39	42	49	14
	2012	22	13	42	57	42	28
acres, 2017	512	147	15,715	17,370	12,642	2,257	
	2012	142	162	13,318	24,426	9,617	8,124
Diseases in crops and orchards	farms, 2017	73	34	58	48	83	21
	2012	89	64	36	50	64	27
acres, 2017	2,388	848	36,390	29,129	13,751	2,397	
	2012	2,370	733	23,207	20,641	10,336	2,965
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	9	1	18	47	21	3
	2012	12	6	34	46	28	15
acres on which used, 2017	255	(D)	7,483	25,696	3,101	1,122	
	2012	617	88	13,495	24,103	4,201	2,230

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Buncombe	Burke	Cabarrus	Caldwell	Camden	Carteret
Commercial fertilizer, lime, and soil conditionersfarms, 2017	550	260	333	180	39	57
.....farms, 2012	498	266	293	208	38	50
.....acres treated, 2017	14,682	11,129	23,990	6,996	45,227	42,201
.....acres treated, 2012	14,204	8,262	19,603	8,874	38,359	44,431
Cropland fertilized, except cropland pasturefarms, 2017	370	176	211	109	38	38
.....farms, 2012	337	166	187	132	36	41
.....acres treated, 2017	7,849	8,683	14,441	4,220	(D)	(D)
.....acres treated, 2012	7,430	5,997	13,233	5,654	38,337	44,252
Pastureland and rangeland fertilizedfarms, 2017	314	153	204	111	2	22
.....farms, 2012	282	135	180	144	4	13
.....acres treated, 2017	6,833	2,446	9,549	2,776	(D)	(D)
.....acres treated, 2012	6,774	2,265	6,370	3,220	22	179
Manurefarms, 2017	184	103	76	71	2	14
.....farms, 2012	149	104	78	68	2	11
.....acres treated, 2017	2,777	2,843	5,077	2,473	(D)	152
.....acres treated, 2012	2,721	2,485	5,023	3,416	(D)	150
Organic fertilizer (see text)farms, 2017	77	18	22	22	3	9
.....farms, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	531	759	243	872	10	23
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	96	54	47	34	30	25
.....farms, 2012	137	114	53	61	35	40
.....acres, 2017	1,288	2,700	8,823	1,594	41,623	(D)
.....acres, 2012	2,609	4,767	8,198	4,865	29,733	42,921
Weeds, grass, or brushfarms, 2017	241	140	186	108	35	34
.....farms, 2012	298	204	189	155	38	51
.....acres, 2017	6,630	10,303	24,620	7,097	53,455	43,868
.....acres, 2012	5,491	7,375	24,442	7,981	45,228	44,611
Nematodesfarms, 2017	8	7	1	6	4	4
.....farms, 2012	29	11	4	5	11	6
.....acres, 2017	256	26	(D)	(D)	(D)	(D)
.....acres, 2012	567	25	253	515	2,103	69
Diseases in crops and orchardsfarms, 2017	47	16	22	14	19	14
.....farms, 2012	75	51	15	18	14	12
.....acres, 2017	487	823	7,720	294	24,176	(D)
.....acres, 2012	776	867	1,305	912	6,827	408
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	14	4	6	7	2	2
.....farms, 2012	17	12	4	-	5	8
.....acres on which used, 2017	95	14	(D)	68	(D)	(D)
.....acres on which used, 2012	125	33	(D)	-	572	5,929
Item	Caswell	Catawba	Chatham	Cherokee	Chowan	Clay
Commercial fertilizer, lime, and soil conditionersfarms, 2017	261	373	498	134	67	88
.....farms, 2012	253	342	429	85	103	56
.....acres treated, 2017	17,466	30,110	26,411	6,673	33,022	3,406
.....acres treated, 2012	12,802	27,219	21,784	4,684	41,567	2,522
Cropland fertilized, except cropland pasturefarms, 2017	159	220	275	81	67	58
.....farms, 2012	176	198	211	52	97	33
.....acres treated, 2017	10,852	20,562	13,997	2,634	(D)	1,995
.....acres treated, 2012	9,240	17,047	9,490	3,257	41,483	1,384
Pastureland and rangeland fertilizedfarms, 2017	138	234	334	80	1	60
.....farms, 2012	126	230	279	47	6	44
.....acres treated, 2017	6,614	9,548	12,414	4,039	(D)	1,411
.....acres treated, 2012	3,562	10,172	12,294	1,427	84	1,138
Manurefarms, 2017	42	130	253	54	6	16
.....farms, 2012	54	94	200	40	15	28
.....acres treated, 2017	1,446	6,138	11,769	2,888	193	271
.....acres treated, 2012	2,776	6,290	11,024	1,609	810	723
Organic fertilizer (see text)farms, 2017	13	23	44	21	3	17
.....farms, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	413	707	667	141	81	194
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	74	78	74	26	55	8
.....farms, 2012	92	78	96	28	84	5
.....acres, 2017	6,379	8,502	3,499	657	37,071	315
.....acres, 2012	5,467	7,436	3,829	1,613	35,935	207
Weeds, grass, or brushfarms, 2017	156	226	367	69	68	43
.....farms, 2012	157	232	322	55	97	48
.....acres, 2017	14,040	23,652	21,012	4,460	41,810	3,181
.....acres, 2012	10,099	20,679	17,217	2,940	44,941	1,915
Nematodesfarms, 2017	16	1	8	8	31	9
.....farms, 2012	22	3	16	6	45	2
.....acres, 2017	357	(D)	1,574	439	9,757	240
.....acres, 2012	630	238	639	1,020	11,556	(D)
Diseases in crops and orchardsfarms, 2017	23	17	17	24	32	8
.....farms, 2012	24	31	36	17	46	7
.....acres, 2017	380	2,069	456	468	13,497	241
.....acres, 2012	739	4,368	820	1,039	11,106	202
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	15	2	-	4	36	3
.....farms, 2012	19	7	6	7	-	-
.....acres on which used, 2017	369	(D)	-	(D)	14,841	4
.....acres on which used, 2012	1,355	37	84	1,021	12,506	-

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Cleveland	Columbus	Craven	Cumberland	Currituck	Dare
Commercial fertilizer, lime, and soil conditioners farms, 2017	496	325	126	139	56	13
..... 2012	440	428	124	169	47	6
..... acres treated, 2017	40,568	77,929	46,171	25,590	24,602	2,291
..... 2012	38,601	83,463	41,707	34,356	27,840	(D)
Cropland fertilized, except cropland pasture farms, 2017	256	271	112	119	50	13
..... 2012	248	375	104	134	45	6
..... acres treated, 2017	25,213	75,605	45,631	24,899	24,574	2,243
..... 2012	24,975	81,349	41,075	32,912	27,794	(D)
Pastureland and rangeland fertilized farms, 2017	323	72	24	26	8	3
..... 2012	274	95	28	52	4	-
..... acres treated, 2017	15,355	2,324	540	691	28	48
..... 2012	13,626	2,114	632	1,444	46	-
Manure farms, 2017	241	40	13	58	5	2
..... 2012	212	58	22	46	7	-
..... acres treated, 2017	12,664	3,814	336	2,930	46	(D)
..... 2012	13,408	2,937	1,118	4,030	59	-
Organic fertilizer (see text) farms, 2017	32	13	8	-	-	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	2,248	213	367	-	-	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects farms, 2017	95	185	81	72	33	7
..... 2012	109	267	95	104	40	3
..... acres, 2017	6,751	71,430	40,155	17,569	17,892	(D)
..... 2012	16,791	61,743	34,380	22,287	23,889	(D)
Weeds, grass, or brush farms, 2017	330	274	117	132	42	10
..... 2012	362	403	119	159	53	4
..... acres, 2017	36,453	98,209	55,213	26,621	33,337	2,827
..... 2012	36,448	97,668	46,105	37,114	31,554	(D)
Nematodes farms, 2017	11	57	25	26	2	1
..... 2012	18	80	23	21	4	-
..... acres, 2017	714	20,039	7,555	7,685	(D)	(D)
..... 2012	786	22,079	10,314	6,059	1,014	-
Diseases in crops and orchards farms, 2017	7	44	22	22	9	4
..... 2012	31	75	19	27	19	2
..... acres, 2017	70	15,990	13,108	5,944	7,611	(D)
..... 2012	2,886	13,969	4,760	4,347	10,358	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	6	15	11	7	2	1
..... 2012	18	25	13	20	-	2
..... acres on which used, 2017	496	2,415	4,719	2,676	(D)	(D)
..... 2012	2,420	6,647	4,828	5,850	-	(D)
Item	Davidson	Davie	Duplin	Durham	Edgecombe	Forsyth
Commercial fertilizer, lime, and soil conditioners farms, 2017	572	332	391	104	125	292
..... 2012	590	325	465	96	119	345
..... acres treated, 2017	30,502	27,740	91,929	3,251	73,561	9,075
..... 2012	30,322	23,275	104,518	4,787	70,460	14,724
Cropland fertilized, except cropland pasture farms, 2017	426	203	331	65	116	221
..... 2012	472	195	402	67	114	252
..... acres treated, 2017	24,362	19,295	88,095	2,024	73,122	6,548
..... 2012	23,251	15,331	100,261	3,119	69,595	11,418
Pastureland and rangeland fertilized farms, 2017	274	206	92	56	12	139
..... 2012	285	209	111	51	20	171
..... acres treated, 2017	6,140	8,445	3,834	1,227	439	2,527
..... 2012	7,071	7,944	4,257	1,668	865	3,306
Manure farms, 2017	152	90	207	44	25	101
..... 2012	167	68	231	35	26	105
..... acres treated, 2017	4,645	2,767	17,171	391	6,135	2,223
..... 2012	3,942	1,586	30,156	384	3,545	1,334
Organic fertilizer (see text) farms, 2017	25	11	21	15	3	20
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	710	184	3,456	236	100	203
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects farms, 2017	96	37	221	17	86	51
..... 2012	138	50	299	44	105	89
..... acres, 2017	4,228	12,250	98,988	552	73,438	3,148
..... 2012	7,790	7,408	73,359	1,475	54,421	4,982
Weeds, grass, or brush farms, 2017	304	161	361	50	110	133
..... 2012	342	184	475	79	121	196
..... acres, 2017	23,777	23,818	132,009	1,982	91,442	6,964
..... 2012	21,914	16,963	133,177	3,356	73,214	9,525
Nematodes farms, 2017	4	4	46	3	40	3
..... 2012	20	6	69	7	34	9
..... acres, 2017	(D)	905	18,079	16	17,959	14
..... 2012	234	182	24,404	19	14,252	217
Diseases in crops and orchards farms, 2017	31	19	46	4	33	23
..... 2012	42	14	64	11	36	30
..... acres, 2017	1,095	3,094	11,347	17	28,257	1,732
..... 2012	637	597	15,274	(D)	16,269	605
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	9	3	18	2	29	5
..... 2012	10	14	41	7	53	11
..... acres on which used, 2017	141	(D)	8,509	(D)	16,775	9
..... 2012	130	929	12,952	112	29,017	166

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Franklin	Gaston	Gates	Graham	Granville	Greene
Commercial fertilizer, lime, and soil conditionersfarms, 2017	228	247	49	55	282	115
2012	239	251	69	43	233	124
acres treated, 2017	28,602	12,247	36,514	794	23,317	51,137
2012	31,905	9,060	32,933	631	17,142	53,733
Cropland fertilized, except cropland pasturefarms, 2017	147	138	46	36	186	106
2012	168	149	56	19	159	115
acres treated, 2017	20,784	7,465	36,349	368	18,235	50,918
2012	25,780	5,385	32,692	270	11,588	53,452
Pastureland and rangeland fertilizedfarms, 2017	127	170	5	38	145	14
2012	106	145	15	29	122	15
acres treated, 2017	7,818	4,782	165	426	5,082	219
2012	6,125	3,675	241	361	5,554	281
Manurefarms, 2017	58	87	10	10	36	24
2012	63	88	27	9	37	38
acres treated, 2017	2,657	2,471	2,619	53	414	2,603
2012	2,311	3,523	2,120	23	739	4,033
Organic fertilizer (see text)farms, 2017	17	12	2	4	27	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	2,448	389	(D)	16	2,112	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	70	61	40	20	83	74
2012	109	70	63	11	78	112
acres, 2017	12,024	2,795	41,688	59	7,929	50,703
2012	20,950	1,602	31,893	370	6,255	49,831
Weeds, grass, or brushfarms, 2017	159	125	44	42	184	115
2012	186	165	82	31	155	141
acres, 2017	28,580	8,193	43,484	398	20,641	58,192
2012	34,007	6,926	38,578	556	11,284	62,081
Nematodesfarms, 2017	24	3	12	3	35	44
2012	23	6	19	1	24	39
acres, 2017	3,379	(D)	9,254	11	2,441	18,881
2012	3,728	(D)	5,574	(D)	1,515	17,438
Diseases in crops and orchardsfarms, 2017	16	18	25	6	40	19
2012	35	15	25	6	34	29
acres, 2017	1,509	1,709	18,983	27	2,623	10,225
2012	10,920	326	13,320	16	1,606	18,424
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	13	6	21	1	29	20
2012	24	2	24	-	22	28
acres on which used, 2017	1,367	180	7,797	(D)	1,299	6,591
2012	3,009	(D)	8,024	-	2,454	17,475
Item	Guilford	Halifax	Harnett	Haywood	Henderson	Hertford
Commercial fertilizer, lime, and soil conditionersfarms, 2017	500	158	280	312	262	65
2012	500	164	355	302	260	70
acres treated, 2017	30,485	104,948	45,529	11,524	16,199	43,120
2012	30,581	96,343	57,759	8,110	13,763	45,272
Cropland fertilized, except cropland pasturefarms, 2017	355	143	208	221	196	60
2012	343	149	274	199	199	68
acres treated, 2017	22,503	102,760	42,807	6,409	14,502	42,958
2012	22,917	94,214	55,335	4,196	11,552	45,211
Pastureland and rangeland fertilizedfarms, 2017	262	25	114	183	113	7
2012	291	30	132	170	103	4
acres treated, 2017	7,982	2,188	2,722	5,115	1,697	162
2012	7,664	2,129	2,424	3,914	2,211	61
Manurefarms, 2017	97	26	97	104	78	15
2012	145	22	117	92	57	23
acres treated, 2017	2,701	3,982	7,400	2,399	1,001	1,152
2012	3,932	1,868	7,201	1,241	975	1,774
Organic fertilizer (see text)farms, 2017	15	5	40	12	23	3
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	216	616	1,026	75	251	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	109	106	115	74	126	50
2012	127	122	206	90	156	59
acres, 2017	8,973	81,172	39,449	2,723	9,394	51,199
2012	7,422	64,851	30,615	1,660	8,915	44,322
Weeds, grass, or brushfarms, 2017	315	149	248	213	175	58
2012	370	155	345	235	207	69
acres, 2017	24,541	122,163	60,778	7,018	13,787	55,140
2012	24,715	99,120	64,771	6,443	13,317	50,516
Nematodesfarms, 2017	8	49	55	18	17	20
2012	22	41	88	16	36	20
acres, 2017	1,245	24,729	19,023	707	2,222	5,290
2012	805	28,708	24,388	305	1,179	13,241
Diseases in crops and orchardsfarms, 2017	40	60	48	42	107	30
2012	62	50	59	40	135	28
acres, 2017	4,285	30,534	17,332	999	10,159	8,503
2012	3,367	20,255	8,275	539	5,574	11,440
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	10	86	31	5	51	27
2012	19	70	68	4	54	25
acres on which used, 2017	264	50,650	12,604	579	3,619	13,918
2012	807	38,400	21,557	(D)	1,995	16,898

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Hoke	Hyde	Iredell	Jackson	Johnston	Jones
Commercial fertilizer, lime, and soil conditioners farms, 2017	71	95	559	109	579	98
..... 2012	86	71	641	143	619	100
..... acres treated, 2017	19,290	57,772	49,197	4,249	93,348	32,927
..... 2012	30,318	60,934	58,003	4,485	91,008	33,399
Cropland fertilized, except cropland pasture farms, 2017	53	93	339	95	460	84
..... 2012	66	71	389	104	501	73
..... acres treated, 2017	18,803	(D)	34,959	3,377	88,914	32,417
..... 2012	29,630	(D)	42,745	2,740	86,487	32,482
Pastureland and rangeland fertilized farms, 2017	28	2	364	35	189	28
..... 2012	30	2	419	67	201	32
..... acres treated, 2017	487	(D)	14,238	872	4,434	510
..... 2012	688	(D)	15,258	1,745	4,521	917
Manure farms, 2017	16	15	222	26	126	41
..... 2012	37	7	235	31	114	31
..... acres treated, 2017	1,464	6,551	10,929	685	4,578	2,724
..... 2012	2,862	3,129	15,559	503	4,951	4,745
Organic fertilizer (see text) farms, 2017	14	3	43	10	22	6
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	334	120	2,016	266	512	202
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects farms, 2017	33	73	71	46	284	69
..... 2012	48	54	130	73	350	68
..... acres, 2017	18,583	68,185	19,816	1,420	72,688	31,443
..... 2012	20,082	47,580	21,891	1,594	71,002	21,045
Weeds, grass, or brush farms, 2017	54	80	322	76	519	91
..... 2012	81	73	396	115	575	94
..... acres, 2017	25,074	86,436	48,876	2,831	107,090	49,947
..... 2012	33,693	73,511	53,721	2,963	100,841	38,204
Nematodes farms, 2017	14	7	5	5	117	16
..... 2012	18	10	11	5	137	23
..... acres, 2017	12,368	5,150	511	54	26,615	8,778
..... 2012	9,505	9,586	507	194	32,738	8,026
Diseases in crops and orchards farms, 2017	5	35	21	28	65	23
..... 2012	4	13	35	21	108	19
..... acres, 2017	4,228	28,828	8,549	765	16,147	4,600
..... 2012	(D)	11,394	10,550	325	23,493	6,960
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	4	18	14	-	51	24
..... 2012	18	27	12	2	58	23
..... acres on which used, 2017	3,435	11,910	1,033	-	8,222	11,493
..... 2012	12,831	17,378	(D)	(D)	13,697	9,597

Item	Lee	Lenoir	Lincoln	McDowell	Macon	Madison
Commercial fertilizer, lime, and soil conditioners farms, 2017	116	219	287	183	174	309
..... 2012	120	217	313	167	167	273
..... acres treated, 2017	11,429	62,593	19,745	5,660	4,889	7,839
..... 2012	9,499	73,010	18,878	4,765	4,804	4,891
Cropland fertilized, except cropland pasture farms, 2017	82	182	189	141	99	226
..... 2012	69	201	205	98	105	212
..... acres treated, 2017	9,520	61,324	14,509	3,277	2,002	3,667
..... 2012	7,201	72,518	13,451	2,993	1,975	2,135
Pastureland and rangeland fertilized farms, 2017	52	45	157	103	120	155
..... 2012	63	27	187	99	101	107
..... acres treated, 2017	1,909	1,269	5,236	2,383	2,887	4,172
..... 2012	2,298	492	5,427	1,772	2,829	2,756
Manure farms, 2017	58	74	125	51	30	120
..... 2012	42	61	138	51	24	88
..... acres treated, 2017	2,547	6,058	7,400	1,078	455	1,182
..... 2012	2,405	4,443	7,517	794	471	657
Organic fertilizer (see text) farms, 2017	6	3	15	10	12	44
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	241	174	730	64	33	254
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects farms, 2017	44	160	58	20	33	50
..... 2012	50	180	66	36	49	109
..... acres, 2017	11,477	70,948	6,205	(D)	235	549
..... 2012	4,139	55,254	4,202	1,637	356	967
Weeds, grass, or brush farms, 2017	82	206	181	85	69	160
..... 2012	96	233	229	104	105	195
..... acres, 2017	15,264	74,264	17,964	2,456	1,756	2,897
..... 2012	9,331	83,493	17,014	3,247	2,106	2,932
Nematodes farms, 2017	11	57	5	4	4	10
..... 2012	22	74	11	5	11	21
..... acres, 2017	1,672	19,867	24	10	11	34
..... 2012	2,189	19,206	1,368	13	65	92
Diseases in crops and orchards farms, 2017	10	47	13	10	11	26
..... 2012	26	60	12	9	24	40
..... acres, 2017	2,018	16,378	927	(D)	23	223
..... 2012	763	13,303	620	1,079	170	173
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	7	20	7	2	-	7
..... 2012	20	73	10	1	1	5
..... acres on which used, 2017	885	6,631	94	(D)	-	74
..... 2012	3,524	23,702	334	(D)	(D)	19

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Martin	Mecklenburg	Mitchell	Montgomery	Moore	Nash
Commercial fertilizer, lime, and soil conditionersfarms, 2017	226	91	123	105	314	233
2012	232	126	134	92	297	197
acres treated, 2017	79,683	5,159	2,577	7,221	16,453	65,075
2012	78,423	5,049	2,819	6,732	12,105	58,817
Cropland fertilized, except cropland pasturefarms, 2017	209	72	99	57	141	175
2012	230	79	106	57	181	158
acres treated, 2017	79,259	3,828	1,290	4,165	11,915	62,745
2012	78,191	3,431	1,140	5,145	8,616	55,578
Pastureland and rangeland fertilizedfarms, 2017	21	63	52	61	212	76
2012	8	77	49	45	162	62
acres treated, 2017	424	1,331	1,287	3,056	4,538	2,330
2012	232	1,618	1,679	1,587	3,489	3,239
Manurefarms, 2017	18	23	28	67	215	75
2012	14	48	37	68	178	65
acres treated, 2017	1,392	213	334	4,920	11,530	4,140
2012	889	1,020	464	4,204	9,781	5,686
Organic fertilizer (see text)farms, 2017	11	2	4	8	40	13
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	334	(D)	27	331	1,906	1,060
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	164	25	50	24	93	115
2012	195	48	80	35	113	106
acres, 2017	83,326	445	527	1,411	9,856	50,433
2012	61,949	1,833	927	3,269	7,129	44,000
Weeds, grass, or brushfarms, 2017	205	52	86	83	283	192
2012	228	88	116	90	265	194
acres, 2017	95,654	3,285	1,606	7,351	17,201	62,453
2012	82,140	3,424	1,903	8,100	14,042	70,841
Nematodesfarms, 2017	78	7	-	4	22	51
2012	84	4	6	7	26	57
acres, 2017	21,736	13	-	257	2,521	22,562
2012	22,430	(D)	27	813	1,244	20,034
Diseases in crops and orchardsfarms, 2017	78	10	22	8	25	44
2012	78	20	15	14	37	42
acres, 2017	23,253	118	247	821	2,034	22,633
2012	17,314	707	146	1,643	1,865	12,775
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	107	4	5	2	6	22
2012	126	6	5	7	6	45
acres on which used, 2017	35,631	(D)	56	(D)	(D)	10,995
2012	38,806	303	43	1,093	237	22,181
Item	New Hanover	Northampton	Onslow	Orange	Pamlico	Pasquotank
Commercial fertilizer, lime, and soil conditionersfarms, 2017	20	175	154	354	58	97
2012	25	177	143	305	52	104
acres treated, 2017	160	88,003	23,271	22,291	26,405	61,740
2012	735	89,436	29,907	14,867	35,599	55,232
Cropland fertilized, except cropland pasturefarms, 2017	18	158	115	262	51	92
2012	22	173	115	236	43	88
acres treated, 2017	(D)	87,387	22,307	16,033	26,224	61,628
2012	695	89,261	29,167	9,822	35,509	55,029
Pastureland and rangeland fertilizedfarms, 2017	2	19	47	172	7	5
2012	3	6	38	150	10	17
acres treated, 2017	(D)	616	964	6,258	181	112
2012	40	175	740	5,045	90	203
Manurefarms, 2017	11	43	60	167	4	5
2012	7	31	38	104	4	4
acres treated, 2017	138	6,137	4,247	4,886	(D)	(D)
2012	292	2,335	3,085	2,316	54	(D)
Organic fertilizer (see text)farms, 2017	-	-	8	92	-	1
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	-	-	211	687	-	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	9	126	85	79	35	70
2012	18	142	100	97	42	70
acres, 2017	63	84,191	21,832	5,503	25,297	58,328
2012	345	66,548	22,634	2,150	31,484	49,707
Weeds, grass, or brushfarms, 2017	15	161	134	195	52	96
2012	21	191	150	195	52	88
acres, 2017	94	99,427	29,901	20,464	35,857	64,575
2012	1,024	98,054	33,664	10,289	38,971	63,827
Nematodesfarms, 2017	-	33	25	13	5	12
2012	3	49	35	12	7	12
acres, 2017	-	15,066	11,645	849	898	5,641
2012	18	26,478	10,969	230	1,598	4,532
Diseases in crops and orchardsfarms, 2017	1	42	17	40	12	26
2012	3	65	18	30	24	25
acres, 2017	(D)	17,131	3,777	1,027	6,333	17,395
2012	19	22,132	2,703	314	17,173	18,129
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	-	90	8	8	3	5
2012	2	81	14	12	6	4
acres on which used, 2017	-	40,377	2,016	746	(D)	2,680
2012	(D)	33,310	6,270	83	1,676	1,784

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Pender	Perquimans	Person	Pitt	Polk	Randolph
Commercial fertilizer, lime, and soil conditioners farms, 2017	132	105	228	255	148	647
..... 2012	155	137	214	220	134	590
..... acres treated, 2017	24,301	61,537	34,815	110,630	6,530	44,770
..... 2012	17,846	61,266	33,650	101,361	5,478	36,196
Cropland fertilized, except cropland pasture farms, 2017	110	94	179	240	72	390
..... 2012	129	130	162	199	79	351
..... acres treated, 2017	23,370	61,365	27,576	110,024	2,655	33,225
..... 2012	16,983	60,695	28,501	100,455	2,558	25,396
Pastureland and rangeland fertilized farms, 2017	25	16	93	22	108	376
..... 2012	42	17	101	34	92	348
..... acres treated, 2017	931	172	7,239	606	3,875	11,545
..... 2012	863	571	5,149	906	2,920	10,800
Manure farms, 2017	38	17	48	45	54	303
..... 2012	37	19	28	35	52	331
..... acres treated, 2017	2,750	2,599	1,648	3,492	1,259	23,810
..... 2012	1,959	2,932	855	2,100	1,490	20,677
Organic fertilizer (see text) farms, 2017	8	8	31	19	7	42
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	60	1,068	631	1,871	262	1,874
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects farms, 2017	63	90	85	171	39	87
..... 2012	77	114	92	156	45	113
..... acres, 2017	19,883	60,608	21,369	112,786	857	12,945
..... 2012	19,668	54,303	14,929	79,073	1,055	7,022
Weeds, grass, or brush farms, 2017	107	93	124	228	68	442
..... 2012	129	142	141	230	79	452
..... acres, 2017	27,417	68,519	28,800	128,720	3,307	42,929
..... 2012	24,659	69,931	29,336	113,684	2,630	36,982
Nematodes farms, 2017	15	10	23	48	2	14
..... 2012	18	25	26	53	2	12
..... acres, 2017	1,248	5,271	3,248	18,330	(D)	2,051
..... 2012	1,330	6,951	2,841	29,267	(D)	378
Diseases in crops and orchards farms, 2017	30	24	21	60	8	18
..... 2012	21	40	23	49	15	28
..... acres, 2017	3,364	20,871	3,242	29,149	192	303
..... 2012	1,323	16,783	3,468	21,981	192	596
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	2	18	15	37	4	2
..... 2012	6	48	22	52	5	8
..... acres on which used, 2017	(D)	5,933	1,938	18,062	(D)	(D)
..... 2012	1,472	14,640	1,978	23,475	83	53
Item	Richmond	Robeson	Rockingham	Rowan	Rutherford	Sampson
Commercial fertilizer, lime, and soil conditioners farms, 2017	88	432	429	568	272	515
..... 2012	75	540	461	577	250	576
..... acres treated, 2017	7,585	129,820	25,306	56,598	10,913	140,849
..... 2012	9,845	132,750	25,049	47,254	10,142	131,557
Cropland fertilized, except cropland pasture farms, 2017	63	356	339	381	127	447
..... 2012	50	443	366	352	134	487
..... acres treated, 2017	6,729	127,229	20,012	44,231	3,661	136,799
..... 2012	9,307	129,606	19,046	35,727	4,114	125,089
Pastureland and rangeland fertilized farms, 2017	38	133	210	349	193	123
..... 2012	28	137	247	353	148	149
..... acres treated, 2017	856	2,591	5,294	12,367	7,252	4,050
..... 2012	538	3,144	6,003	11,527	6,028	6,468
Manure farms, 2017	63	131	78	159	152	234
..... 2012	61	109	61	174	115	210
..... acres treated, 2017	3,696	16,546	1,485	8,166	7,324	18,244
..... 2012	6,791	12,302	2,046	5,418	5,184	25,841
Organic fertilizer (see text) farms, 2017	1	25	14	24	38	18
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	(D)	1,124	563	524	1,002	1,623
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects farms, 2017	34	279	122	84	46	308
..... 2012	60	338	142	127	83	434
..... acres, 2017	3,587	138,850	11,910	15,445	621	135,944
..... 2012	3,786	117,692	6,784	17,513	1,306	110,818
Weeds, grass, or brush farms, 2017	95	340	253	323	120	491
..... 2012	90	513	291	370	177	633
..... acres, 2017	11,864	178,454	20,154	50,047	5,172	177,588
..... 2012	14,012	172,711	18,097	46,783	5,028	155,515
Nematodes farms, 2017	2	48	21	12	1	116
..... 2012	9	102	26	11	8	136
..... acres, 2017	(D)	28,652	1,134	3,569	(D)	34,263
..... 2012	2,251	25,605	1,443	1,209	37	36,011
Diseases in crops and orchards farms, 2017	6	83	49	42	14	112
..... 2012	14	95	50	58	18	133
..... acres, 2017	202	26,884	2,146	8,002	38	40,794
..... 2012	2,017	35,736	698	10,326	179	27,090
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	2	20	27	14	3	46
..... 2012	10	49	37	13	7	98
..... acres on which used, 2017	(D)	8,764	1,652	1,574	(D)	19,530
..... 2012	3,732	16,612	1,692	1,008	548	22,328

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Scotland	Stanly	Stokes	Surry	Swain	Transylvania
Commercial fertilizer, lime, and soil conditionersfarms, 2017	47	358	453	621	52	141
2012	63	295	471	616	41	117
acres treated, 2017	18,382	43,705	21,582	51,980	879	4,868
2012	21,144	43,994	17,764	45,784	(D)	5,137
Cropland fertilized, except cropland pasturefarms, 2017	36	226	316	411	32	81
2012	53	175	355	423	29	88
acres treated, 2017	17,971	35,530	12,947	39,665	410	2,659
2012	20,572	36,778	10,620	34,721	(D)	3,696
Pastureland and rangeland fertilizedfarms, 2017	14	212	266	360	29	83
2012	14	181	253	359	23	62
acres treated, 2017	411	8,175	8,635	12,315	469	2,209
2012	572	7,216	7,144	11,063	(D)	1,441
Manurefarms, 2017	22	110	117	220	8	55
2012	28	75	87	201	15	28
acres treated, 2017	3,949	7,389	4,195	12,968	34	583
2012	2,101	6,970	2,216	12,115	102	310
Organic fertilizer (see text)farms, 2017	-	12	27	23	2	14
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	-	270	1,579	808	(D)	71
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	17	47	87	93	11	33
2012	42	86	112	174	12	41
acres, 2017	9,726	10,862	3,940	20,397	163	507
2012	15,788	12,228	3,514	12,890	(D)	2,181
Weeds, grass, or brushfarms, 2017	42	207	210	321	26	86
2012	65	234	274	419	32	95
acres, 2017	26,014	46,013	10,826	43,171	438	3,007
2012	26,861	43,534	8,409	38,444	(D)	3,851
Nematodesfarms, 2017	5	3	11	26	4	5
2012	7	10	15	23	4	5
acres, 2017	2,410	(D)	(D)	7,938	136	79
2012	7,788	4,407	181	892	8	15
Diseases in crops and orchardsfarms, 2017	4	15	31	44	7	18
2012	12	11	27	70	11	20
acres, 2017	1,591	3,377	711	10,098	155	455
2012	8,804	1,782	166	1,579	22	270
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	8	12	19	12	-	-
2012	17	19	24	28	-	-
acres on which used, 2017	6,598	7,484	1,125	959	-	-
2012	7,650	12,922	400	1,362	-	-
Item	Tyrrell	Union	Vance	Wake	Warren	Washington
Commercial fertilizer, lime, and soil conditionersfarms, 2017	55	402	124	332	122	80
2012	62	417	109	412	79	90
acres treated, 2017	38,947	77,947	13,838	27,808	15,464	52,026
2012	37,415	82,160	9,466	28,075	10,538	60,225
Cropland fertilized, except cropland pasturefarms, 2017	48	225	99	255	91	69
2012	59	235	77	315	56	81
acres treated, 2017	38,771	69,065	12,326	25,501	12,375	51,651
2012	37,328	71,856	8,058	24,580	8,256	59,595
Pastureland and rangeland fertilizedfarms, 2017	7	229	47	139	47	12
2012	6	226	54	149	32	15
acres treated, 2017	176	8,882	1,512	2,307	3,089	375
2012	87	10,304	1,408	3,495	2,282	630
Manurefarms, 2017	12	189	22	88	39	18
2012	6	194	18	66	14	8
acres treated, 2017	1,931	35,419	585	930	1,920	4,102
2012	(D)	22,921	344	1,106	846	967
Organic fertilizer (see text)farms, 2017	-	23	13	21	13	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	-	5,022	2,683	(D)	321	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	29	113	52	119	54	56
2012	39	197	45	212	42	56
acres, 2017	34,238	88,707	4,930	20,257	9,256	56,886
2012	38,602	74,278	6,437	18,357	6,323	39,188
Weeds, grass, or brushfarms, 2017	45	325	78	229	92	75
2012	58	378	98	338	63	91
acres, 2017	50,218	132,890	9,968	33,471	19,911	66,632
2012	52,289	135,699	11,515	32,680	17,537	70,750
Nematodesfarms, 2017	4	6	13	32	18	9
2012	14	20	10	69	13	19
acres, 2017	(D)	(D)	657	6,184	2,742	4,419
2012	5,357	4,234	1,101	6,161	1,606	9,812
Diseases in crops and orchardsfarms, 2017	8	25	21	38	12	15
2012	11	55	12	67	8	24
acres, 2017	6,444	9,769	1,742	4,831	1,453	19,564
2012	11,414	29,996	1,169	3,860	43	10,374
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	1	7	10	20	6	12
2012	5	15	6	25	10	20
acres on which used, 2017	(D)	4,085	912	6,586	1,076	7,607
2012	2,169	9,320	430	2,668	2,545	10,901

--continued

Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Watauga	Wayne	Wilkes	Wilson	Yadkin	Yancey
Commercial fertilizer, lime, and soil conditioners						
farms, 2017	251	322	354	149	446	210
2012	324	318	344	174	496	200
acres treated, 2017	10,001	91,438	23,244	82,786	36,453	4,714
2012	8,052	113,727	22,663	71,392	40,679	4,201
Cropland fertilized, except cropland pasture						
farms, 2017	182	280	196	125	295	168
2012	248	287	201	145	332	158
acres treated, 2017	3,416	89,888	14,357	81,354	27,153	3,111
2012	3,780	112,137	16,123	70,768	30,390	2,112
Pastureland and rangeland fertilized						
farms, 2017	120	60	217	34	274	85
2012	144	75	204	40	311	78
acres treated, 2017	6,585	1,550	8,887	1,432	9,300	1,603
2012	4,272	1,590	6,540	624	10,289	2,089
Manure						
farms, 2017	84	153	235	37	158	70
2012	99	121	273	12	179	73
acres treated, 2017	1,014	15,869	15,880	4,140	11,094	484
2012	1,637	15,269	25,710	683	10,682	519
Organic fertilizer (see text)						
farms, 2017	29	14	32	5	24	23
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	182	1,549	777	158	425	167
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects						
farms, 2017	57	180	60	114	57	58
2012	144	253	77	117	115	76
acres, 2017	1,015	77,661	4,153	79,844	15,911	421
2012	2,225	92,411	9,152	59,231	17,249	556
Weeds, grass, or brush						
farms, 2017	117	306	282	126	266	80
2012	202	338	336	174	352	130
acres, 2017	1,801	111,401	24,583	91,619	35,820	2,006
2012	3,756	129,733	28,327	78,208	36,192	1,601
Nematodes						
farms, 2017	-	53	8	54	7	1
2012	14	79	14	60	28	15
acres, 2017	-	15,869	(D)	32,138	1,247	(D)
2012	328	24,639	67	24,883	1,269	114
Diseases in crops and orchards						
farms, 2017	32	35	22	54	22	15
2012	52	87	35	56	47	35
acres, 2017	153	10,102	460	33,469	6,737	104
2012	261	21,866	351	18,273	6,719	226
Chemicals used to control growth, thin fruit, ripen, or defoliate						
farms, 2017	1	22	16	27	8	2
2012	8	65	22	56	25	7
acres on which used, 2017	(D)	5,232	644	10,610	1,887	(D)
2012	47	28,208	433	19,324	1,711	59