

Table 40. Fertilizers and Chemicals Applied: 2017 and 2012

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

Item	Virginia	Accomack	Albemarle	Alleghany
Commercial fertilizer, lime, and soil conditionersfarms, 2017	19,007	93	303	69
.....farms, 2012	18,826	91	309	69
.....acres treated, 2017	2,034,901	42,445	23,705	2,403
.....acres treated, 2012	1,920,603	42,473	18,294	2,359
Cropland fertilized, except cropland pasturefarms, 2017	14,651	84	203	61
.....farms, 2012	14,400	90	210	56
.....acres treated, 2017	1,619,288	42,154	16,172	1,816
.....acres treated, 2012	1,509,409	(D)	12,985	1,647
Pastureland and rangeland fertilizedfarms, 2017	8,556	13	151	27
.....farms, 2012	8,630	2	148	27
.....acres treated, 2017	415,613	291	7,533	587
.....acres treated, 2012	411,194	(D)	5,309	712
Manurefarms, 2017	6,505	26	128	16
.....farms, 2012	6,318	27	109	28
.....acres treated, 2017	366,217	10,337	4,207	588
.....acres treated, 2012	363,237	8,305	6,411	612
Organic fertilizer (see text)farms, 2017	1,151	6	21	4
.....farms, 2012	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	49,087	1,572	981	85
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)
Acres treated to control--				
Insectsfarms, 2017	3,921	45	56	7
.....farms, 2012	5,003	75	68	4
.....acres, 2017	850,995	38,546	2,800	470
.....acres, 2012	786,176	33,555	6,385	(D)
Weeds, grass, or brushfarms, 2017	10,341	74	136	28
.....farms, 2012	12,129	115	153	38
.....acres, 2017	1,581,538	50,563	12,063	798
.....acres, 2012	1,514,896	52,094	9,689	1,361
Nematodesfarms, 2017	671	14	7	-
.....farms, 2012	783	10	5	-
.....acres, 2017	170,141	6,866	(D)	-
.....acres, 2012	131,121	2,756	(D)	-
Diseases in crops and orchardsfarms, 2017	1,806	28	45	-
.....farms, 2012	1,855	31	38	4
.....acres, 2017	324,543	19,548	2,148	-
.....acres, 2012	245,417	15,065	5,096	26
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	586	5	5	-
.....farms, 2012	886	10	20	1
.....acres on which used, 2017	110,330	168	(D)	-
.....acres on which used, 2012	129,075	2,537	1,112	(D)

Item	Amelia	Amherst	Appomattox	Arlington	Augusta
Commercial fertilizer, lime, and soil conditionersfarms, 2017	144	138	223	-	708
.....farms, 2012	159	157	204	2	666
.....acres treated, 2017	22,122	7,563	15,559	-	78,314
.....acres treated, 2012	14,392	10,295	19,796	(D)	63,052
Cropland fertilized, except cropland pasturefarms, 2017	108	107	164	-	594
.....farms, 2012	126	119	169	2	535
.....acres treated, 2017	18,062	5,044	9,987	-	59,092
.....acres treated, 2012	12,183	5,138	13,052	(D)	46,057
Pastureland and rangeland fertilizedfarms, 2017	78	67	112	-	314
.....farms, 2012	60	71	99	-	301
.....acres treated, 2017	4,060	2,519	5,572	-	19,222
.....acres treated, 2012	2,209	5,157	6,744	-	16,995
Manurefarms, 2017	83	49	26	-	539
.....farms, 2012	78	43	49	-	471
.....acres treated, 2017	5,790	1,134	687	-	41,142
.....acres treated, 2012	5,707	1,547	4,872	-	35,124
Organic fertilizer (see text)farms, 2017	6	8	14	-	38
.....farms, 2012	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	310	154	648	-	3,348
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	30	21	15	-	157
.....farms, 2012	44	21	38	-	162
.....acres, 2017	3,996	595	1,910	-	16,467
.....acres, 2012	3,605	499	1,175	-	10,773
Weeds, grass, or brushfarms, 2017	90	60	53	-	538
.....farms, 2012	113	58	107	-	508
.....acres, 2017	19,300	1,572	4,865	-	62,514
.....acres, 2012	13,702	3,949	7,290	-	42,509
Nematodesfarms, 2017	5	2	1	-	16
.....farms, 2012	9	2	-	-	15
.....acres, 2017	1,040	(D)	(D)	-	2,919
.....acres, 2012	338	(D)	-	-	1,441
Diseases in crops and orchardsfarms, 2017	4	11	5	-	44
.....farms, 2012	11	19	5	-	42
.....acres, 2017	1,058	(D)	99	-	3,965
.....acres, 2012	277	414	139	-	1,126
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	1	3	1	-	8
.....farms, 2012	7	4	2	-	6
.....acres on which used, 2017	(D)	(D)	(D)	-	1,562
.....acres on which used, 2012	240	(D)	(D)	-	(D)

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

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

Item	Bath	Bedford	Bland	Botetourt	Brunswick	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	45	704	163	240	124
	2012	33	602	210	231	106
acres treated, 2017	7,676	51,769	9,462	17,430	19,088	
	2012	1,905	38,324	12,473	14,333	14,877
Cropland fertilized, except cropland pasture	farms, 2017	38	554	143	182	89
	2012	26	485	182	178	80
acres treated, 2017	4,381	33,688	5,930	10,800	15,337	
	2012	1,564	25,586	6,935	8,890	12,088
Pastureland and rangeland fertilized	farms, 2017	23	348	78	122	58
	2012	12	287	100	118	52
acres treated, 2017	3,295	18,081	3,532	6,630	3,751	
	2012	341	12,738	5,538	5,443	2,789
Manure	farms, 2017	19	159	16	64	22
	2012	26	156	32	80	18
acres treated, 2017	1,925	7,043	264	2,923	654	
	2012	1,078	4,903	2,750	4,244	1,238
Organic fertilizer (see text)	farms, 2017	5	29	2	2	3
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	55	824	(D)	(D)	96	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	1	86	7	33	28
	2012	8	65	12	23	39
Insects	acres, 2017	(D)	4,877	452	3,474	6,176
	2012	(D)	2,781	339	1,523	7,082
Weeds, grass, or brush	farms, 2017	18	301	68	163	58
	2012	23	278	79	164	59
acres, 2017	3,111	16,667	2,568	8,575	15,618	
	2012	1,068	9,895	2,733	7,945	12,868
Nematodes	farms, 2017	-	17	1	4	13
	2012	-	1	1	4	20
acres, 2017	160	2,123	(D)	461	2,253	
	2012	-	72	(D)	59	2,449
Diseases in crops and orchards	farms, 2017	4	53	4	19	11
	2012	2	45	1	16	11
acres, 2017	160	2,327	(D)	2,137	911	
	2012	(D)	1,506	(D)	936	3,031
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	-	16	3	6	5
	2012	4	16	3	11	9
acres on which used, 2017	-	372	62	282	940	
	2012	34	424	(D)	299	1,200

Item	Buchanan	Buckingham	Campbell	Caroline	Carroll	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	32	165	334	91	503
	2012	21	145	329	92	503
acres treated, 2017	493	12,801	35,021	37,389	29,540	
	2012	323	9,725	29,833	31,491	31,302
Cropland fertilized, except cropland pasture	farms, 2017	26	98	264	80	356
	2012	17	92	271	82	323
acres treated, 2017	397	8,068	21,338	36,111	16,733	
	2012	203	4,506	18,635	30,820	18,628
Pastureland and rangeland fertilized	farms, 2017	6	100	170	26	292
	2012	6	90	166	28	324
acres treated, 2017	96	4,733	13,683	1,278	12,807	
	2012	120	5,219	11,198	671	12,674
Manure	farms, 2017	7	60	98	26	75
	2012	9	62	106	22	29
acres treated, 2017	95	5,380	6,551	1,990	1,629	
	2012	138	4,332	10,029	208	1,254
Organic fertilizer (see text)	farms, 2017	5	10	9	5	34
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	72	311	283	(D)	761	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	3	7	40	45	45
	2012	2	21	54	40	83
Insects	acres, 2017	3	48	3,827	20,511	2,140
	2012	(D)	1,407	2,810	25,507	3,616
Weeds, grass, or brush	farms, 2017	11	63	137	63	132
	2012	9	74	147	79	182
acres, 2017	54	8,525	13,550	33,332	4,795	
	2012	74	5,947	11,599	33,497	6,257
Nematodes	farms, 2017	-	1	6	8	9
	2012	-	1	7	7	11
acres, 2017	-	(D)	(D)	8,996	660	
	2012	-	(D)	72	4,107	132
Diseases in crops and orchards	farms, 2017	2	4	22	30	28
	2012	1	8	16	16	47
acres, 2017	(D)	138	603	13,466	1,590	
	2012	(D)	451	(D)	4,905	1,872
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	-	1	3	3	11
	2012	-	1	10	3	18
acres on which used, 2017	-	(D)	19	130	590	
	2012	-	(D)	141	(D)	359

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

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

Item	Charles City	Charlotte	Chesterfield	Clarke	Craig
Commercial fertilizer, lime, and soil conditionersfarms, 2017	33	256	76	112	86
2012	37	267	67	126	107
acres treated, 2017	14,644	30,028	3,624	13,821	5,329
2012	16,421	24,993	4,019	9,801	6,583
Cropland fertilized, except cropland pasturefarms, 2017	27	208	61	70	73
2012	28	228	55	88	90
acres treated, 2017	14,568	22,361	3,084	11,419	4,532
2012	16,315	18,248	3,570	7,898	4,395
Pastureland and rangeland fertilizedfarms, 2017	9	142	36	55	25
2012	11	132	28	49	46
acres treated, 2017	76	7,667	540	2,402	797
2012	106	6,745	449	1,903	2,188
Manurefarms, 2017	6	74	28	75	21
2012	4	56	27	68	25
acres treated, 2017	39	5,664	737	3,115	1,300
2012	32	2,391	540	3,438	751
Organic fertilizer (see text)farms, 2017	1	27	10	11	5
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	(D)	194	31	290	538
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	15	51	10	27	9
2012	27	71	26	40	6
acres, 2017	14,899	5,982	378	2,225	448
2012	17,868	6,520	1,359	4,057	203
Weeds, grass, or brushfarms, 2017	26	119	53	94	38
2012	32	146	46	118	47
acres, 2017	16,495	22,975	4,360	9,309	1,984
2012	20,311	19,033	4,101	10,318	1,742
Nematodesfarms, 2017	-	4	-	8	-
2012	5	4	3	5	2
acres, 2017	-	1,035	-	185	-
2012	328	265	92	(D)	(D)
Diseases in crops and orchardsfarms, 2017	8	23	7	15	3
2012	15	18	8	15	4
acres, 2017	9,960	626	18	863	(D)
2012	8,749	550	292	359	105
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	2	-	-	7	-
2012	1	7	6	10	1
acres on which used, 2017	(D)	-	-	308	-
2012	(D)	(D)	40	248	(D)
Item	Culpeper	Cumberland	Dickenson	Dinwiddie	Essex
Commercial fertilizer, lime, and soil conditionersfarms, 2017	218	100	60	146	47
2012	214	76	49	140	46
acres treated, 2017	36,069	10,030	1,670	23,333	32,288
2012	28,326	8,003	1,292	26,290	36,273
Cropland fertilized, except cropland pasturefarms, 2017	153	59	36	100	40
2012	141	57	33	109	45
acres treated, 2017	28,886	5,926	984	20,435	31,845
2012	20,485	4,502	721	23,241	35,752
Pastureland and rangeland fertilizedfarms, 2017	97	61	35	62	13
2012	102	44	28	66	4
acres treated, 2017	7,183	4,104	686	2,898	443
2012	7,841	3,501	571	3,049	521
Manurefarms, 2017	110	60	14	36	7
2012	145	43	15	45	4
acres treated, 2017	7,835	3,411	173	763	322
2012	7,890	2,388	189	741	(D)
Organic fertilizer (see text)farms, 2017	20	9	5	1	1
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	909	652	121	(D)	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	45	10	-	26	33
2012	62	21	5	49	30
acres, 2017	7,493	627	-	21,275	31,231
2012	11,982	2,128	11	14,938	27,832
Weeds, grass, or brushfarms, 2017	144	47	32	84	42
2012	153	59	25	131	47
acres, 2017	33,106	5,176	972	33,993	40,005
2012	24,410	5,696	276	26,112	37,158
Nematodesfarms, 2017	3	1	-	14	5
2012	10	1	2	17	7
acres, 2017	100	(D)	-	12,117	1,886
2012	723	(D)	(D)	2,348	4,695
Diseases in crops and orchardsfarms, 2017	28	3	-	14	12
2012	31	6	6	17	11
acres, 2017	7,706	(D)	-	8,734	8,273
2012	3,866	(D)	10	2,861	12,854
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	4	2	-	9	10
2012	7	1	4	13	2
acres on which used, 2017	72	(D)	-	4,615	841
2012	187	(D)	8	2,029	(D)

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

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

Item	Fairfax	Fauquier	Floyd	Fluvanna	Franklin
Commercial fertilizer, lime, and soil conditioners farms, 2017	33	322	402	112	604
..... 2012	39	389	413	97	570
..... acres treated, 2017	611	33,304	28,403	6,355	54,468
..... 2012	359	39,155	23,546	5,696	53,076
Cropland fertilized, except cropland pasture farms, 2017	19	203	317	86	465
..... 2012	25	238	334	69	443
..... acres treated, 2017	233	26,496	16,978	5,151	39,954
..... 2012	276	31,116	16,038	4,124	35,325
Pastureland and rangeland fertilized farms, 2017	16	148	196	51	327
..... 2012	15	201	167	44	344
..... acres treated, 2017	378	6,808	11,425	1,204	14,514
..... 2012	83	8,039	7,508	1,572	17,751
Manure farms, 2017	11	158	54	39	198
..... 2012	17	167	65	23	153
..... acres treated, 2017	66	10,583	1,933	776	11,447
..... 2012	102	10,512	3,230	1,023	12,945
Organic fertilizer (see text) farms, 2017	6	19	24	11	45
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	20	404	370	153	1,438
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insects farms, 2017	13	93	59	19	122
..... 2012	17	119	64	22	106
..... acres, 2017	55	3,689	2,391	(D)	12,488
..... 2012	101	11,359	2,101	1,037	8,681
Weeds, grass, or brush farms, 2017	28	212	123	43	271
..... 2012	30	251	157	56	254
..... acres, 2017	571	28,469	6,818	3,740	30,070
..... 2012	240	38,315	8,384	4,144	23,265
Nematodes farms, 2017	4	9	5	1	19
..... 2012	1	13	5	-	9
..... acres, 2017	16	124	37	(D)	1,703
..... 2012	(D)	312	33	-	1,965
Diseases in crops and orchards farms, 2017	8	34	41	11	49
..... 2012	8	52	21	4	24
..... acres, 2017	40	1,514	1,327	(D)	5,030
..... 2012	52	789	187	15	1,661
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	-	13	4	1	11
..... 2012	4	28	9	5	15
..... acres on which used, 2017	-	369	95	(D)	290
..... 2012	28	2,075	75	24	498
Item	Frederick	Giles	Gloucester	Goochland	Grayson
Commercial fertilizer, lime, and soil conditioners farms, 2017	225	157	72	131	374
..... 2012	192	194	62	117	362
..... acres treated, 2017	21,695	7,465	11,372	12,096	21,402
..... 2012	14,162	7,825	11,872	11,892	19,889
Cropland fertilized, except cropland pasture farms, 2017	153	123	44	81	287
..... 2012	139	152	47	64	242
..... acres treated, 2017	16,880	4,528	11,114	8,768	14,866
..... 2012	11,150	4,705	11,532	10,352	9,871
Pastureland and rangeland fertilized farms, 2017	110	60	30	76	189
..... 2012	77	78	25	70	171
..... acres treated, 2017	4,815	2,937	258	3,328	6,536
..... 2012	3,012	3,120	340	1,540	10,018
Manure farms, 2017	142	33	41	48	38
..... 2012	93	36	13	68	75
..... acres treated, 2017	7,919	737	228	2,097	2,452
..... 2012	5,725	1,163	380	3,495	2,577
Organic fertilizer (see text) farms, 2017	10	10	2	23	20
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	116	170	(D)	1,529	634
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insects farms, 2017	63	21	30	25	52
..... 2012	54	23	35	29	77
..... acres, 2017	8,359	234	10,170	8,893	2,378
..... 2012	6,690	153	8,540	9,378	2,419
Weeds, grass, or brush farms, 2017	162	113	39	71	103
..... 2012	130	145	58	72	141
..... acres, 2017	14,065	4,320	12,564	10,553	5,295
..... 2012	9,998	4,705	12,591	13,825	4,348
Nematodes farms, 2017	3	1	4	6	7
..... 2012	5	7	8	5	4
..... acres, 2017	(D)	(D)	651	1,794	435
..... 2012	(D)	19	492	450	172
Diseases in crops and orchards farms, 2017	37	4	8	13	20
..... 2012	30	9	12	11	15
..... acres, 2017	5,598	21	188	140	669
..... 2012	4,692	23	1,629	(D)	512
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	22	-	1	5	6
..... 2012	16	6	1	4	4
..... acres on which used, 2017	4,619	-	(D)	96	531
..... 2012	4,494	60	(D)	59	(D)

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

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

Item	Greene	Greenville	Halifax	Hanover	Henrico
Commercial fertilizer, lime, and soil conditionersfarms, 2017	76	86	423	282	34
2012	67	62	430	269	44
acres treated, 2017	5,146	24,106	32,543	44,379	4,044
2012	4,039	23,425	35,661	42,477	3,539
Cropland fertilized, except cropland pasturefarms, 2017	56	73	294	233	30
2012	42	52	338	208	37
acres treated, 2017	3,451	23,751	19,316	40,821	3,968
2012	1,921	23,105	21,467	39,624	3,443
Pastureland and rangeland fertilizedfarms, 2017	30	15	226	95	6
2012	39	13	233	105	9
acres treated, 2017	1,695	355	13,227	3,558	76
2012	2,118	320	14,194	2,853	96
Manurefarms, 2017	39	2	74	66	5
2012	33	4	70	72	11
acres treated, 2017	2,293	(D)	2,356	2,193	22
2012	2,870	113	2,321	1,993	201
Organic fertilizer (see text)farms, 2017	6	2	16	19	10
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	603	(D)	653	223	148
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	3	40	66	87	17
2012	23	36	146	89	20
acres, 2017	(D)	18,178	8,379	29,389	(D)
2012	697	11,756	6,508	28,794	4,746
Weeds, grass, or brushfarms, 2017	35	71	187	166	30
2012	38	52	252	191	33
acres, 2017	1,313	28,537	23,490	45,619	5,590
2012	1,036	23,647	19,861	43,293	6,450
Nematodesfarms, 2017	-	24	8	20	1
2012	5	18	23	22	2
acres, 2017	-	9,364	311	3,601	(D)
2012	(D)	9,696	399	3,939	(D)
Diseases in crops and orchardsfarms, 2017	2	25	27	45	9
2012	10	16	36	41	10
acres, 2017	(D)	12,030	2,237	12,456	(D)
2012	38	6,837	1,437	12,223	2,643
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	1	21	15	7	3
2012	5	13	24	10	2
acres on which used, 2017	(D)	6,108	453	102	3
2012	15	9,601	768	428	(D)

Item	Henry	Highland	Isle of Wight	James City	King and Queen
Commercial fertilizer, lime, and soil conditionersfarms, 2017	122	51	112	34	69
2012	129	50	107	40	50
acres treated, 2017	10,742	3,340	39,866	3,031	27,174
2012	6,167	3,457	36,112	2,210	24,075
Cropland fertilized, except cropland pasturefarms, 2017	89	34	102	29	67
2012	88	35	94	32	41
acres treated, 2017	4,616	1,733	38,398	2,811	26,722
2012	2,721	1,181	35,571	2,105	23,828
Pastureland and rangeland fertilizedfarms, 2017	70	23	34	11	17
2012	69	32	27	14	13
acres treated, 2017	6,126	1,607	1,468	220	452
2012	3,446	2,276	541	105	247
Manurefarms, 2017	22	82	31	12	12
2012	18	63	14	18	12
acres treated, 2017	379	5,165	551	236	458
2012	613	2,666	480	216	228
Organic fertilizer (see text)farms, 2017	22	2	5	3	7
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	472	(D)	46	17	103
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	14	6	64	19	30
2012	29	8	72	18	32
acres, 2017	295	80	41,246	2,559	20,726
2012	248	103	26,909	(D)	13,144
Weeds, grass, or brushfarms, 2017	16	49	84	25	63
2012	49	58	99	32	49
acres, 2017	333	2,218	46,004	2,755	30,059
2012	901	2,960	44,192	1,773	27,475
Nematodesfarms, 2017	-	2	17	2	8
2012	5	1	22	2	5
acres, 2017	-	(D)	6,424	(D)	4,020
2012	10	(D)	8,785	(D)	3,221
Diseases in crops and orchardsfarms, 2017	1	3	33	9	8
2012	10	5	29	6	9
acres, 2017	(D)	10	13,746	66	9,889
2012	53	36	10,320	(D)	4,680
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	-	1	36	-	-
2012	5	3	30	1	1
acres on which used, 2017	-	(D)	17,777	-	-
2012	8	20	13,775	(D)	(D)

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

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

Item	King George	King William	Lancaster	Lee	Loudoun	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	68	44	39	404	321
	2012	54	68	34	426	384
acres treated, 2017	7,915	21,231	10,371	18,242	21,126	
	2012	4,888	17,779	6,554	14,910	23,944
Cropland fertilized, except cropland pasture	farms, 2017	54	38	35	321	196
	2012	45	51	31	328	211
acres treated, 2017	7,404	20,787	10,244	10,446	16,657	
	2012	4,134	17,225	6,384	8,220	18,458
Pastureland and rangeland fertilized	farms, 2017	19	10	5	191	156
	2012	14	24	7	208	228
acres treated, 2017	511	444	127	7,796	4,469	
	2012	754	554	170	6,690	5,486
Manure	farms, 2017	16	6	7	53	209
	2012	21	21	2	85	183
acres treated, 2017	413	22	88	1,940	5,953	
	2012	326	1,219	(D)	1,296	5,028
Organic fertilizer (see text)	farms, 2017	7	3	3	11	49
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	51	(D)	141	305	1,128	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	11	22	17	36	112
	2012	24	37	19	51	139
Insects	acres, 2017	3,792	16,915	6,969	1,541	15,315
	2012	2,053	13,307	5,635	1,114	19,644
Weeds, grass, or brush	farms, 2017	43	33	30	174	194
	2012	46	57	33	260	297
acres, 2017	8,918	22,312	9,938	6,487	29,542	
	2012	4,649	23,013	6,409	5,971	28,886
Nematodes	farms, 2017	2	8	1	1	8
	2012	5	9	6	9	11
acres, 2017	(D)	3,163	(D)	(D)	1,853	
	2012	(D)	4,173	548	57	578
Diseases in crops and orchards	farms, 2017	6	5	7	7	79
	2012	11	11	7	22	64
acres, 2017	3,029	4,846	2,250	(D)	1,448	
	2012	410	3,647	(D)	148	1,478
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	-	2	-	10	16
	2012	6	5	6	12	21
acres on which used, 2017	-	(D)	-	174	83	
	2012	372	2,191	(D)	157	4,213

Item	Louisa	Lunenburg	Madison	Mathews	Mecklenburg	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	185	168	271	16	292
	2012	207	140	231	26	273
acres treated, 2017	15,997	16,972	34,900	3,467	39,200	
	2012	13,067	13,066	26,109	1,963	31,451
Cropland fertilized, except cropland pasture	farms, 2017	149	117	200	15	235
	2012	161	83	168	23	212
acres treated, 2017	11,975	11,938	24,017	3,358	27,599	
	2012	9,330	8,086	18,198	1,895	22,864
Pastureland and rangeland fertilized	farms, 2017	71	90	139	4	127
	2012	97	70	125	4	152
acres treated, 2017	4,022	5,034	10,883	109	11,601	
	2012	3,737	4,980	7,911	68	8,587
Manure	farms, 2017	102	24	98	6	50
	2012	82	28	77	6	39
acres treated, 2017	4,058	692	4,746	80	6,817	
	2012	3,525	2,466	5,507	29	1,846
Organic fertilizer (see text)	farms, 2017	24	8	8	-	34
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	1,177	197	305	-	2,965	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	26	30	46	8	74
	2012	47	47	64	11	85
Insects	acres, 2017	4,608	5,835	6,544	2,378	15,242
	2012	1,345	4,765	9,642	1,347	8,338
Weeds, grass, or brush	farms, 2017	87	58	139	18	126
	2012	110	82	111	17	162
acres, 2017	7,270	10,925	18,176	3,509	34,175	
	2012	10,223	9,383	14,248	2,624	22,429
Nematodes	farms, 2017	4	11	13	1	20
	2012	9	10	12	1	21
acres, 2017	(D)	3,016	2,851	(D)	4,186	
	2012	359	1,034	2,551	(D)	1,794
Diseases in crops and orchards	farms, 2017	20	9	22	2	17
	2012	18	10	30	2	24
acres, 2017	919	740	2,931	(D)	3,204	
	2012	215	(D)	3,434	(D)	696
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	9	4	3	-	7
	2012	4	15	11	-	26
acres on which used, 2017	48	121	(D)	-	656	
	2012	(D)	1,857	265	-	2,174

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

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

Item	Middlesex	Montgomery	Nelson	New Kent	Northampton
Commercial fertilizer, lime, and soil conditionersfarms, 2017	36	279	134	71	63
2012	38	282	155	54	80
acres treated, 2017	12,650	17,300	11,441	9,278	27,808
2012	11,260	20,168	9,727	7,251	35,201
Cropland fertilized, except cropland pasturefarms, 2017	27	212	93	43	63
2012	30	208	122	43	80
acres treated, 2017	12,277	12,716	8,584	8,831	(D)
2012	10,802	14,216	7,006	6,904	35,201
Pastureland and rangeland fertilizedfarms, 2017	12	120	61	34	1
2012	16	134	62	20	-
acres treated, 2017	373	4,584	2,857	447	(D)
2012	458	5,952	2,721	347	-
Manurefarms, 2017	8	98	62	11	12
2012	7	69	65	18	8
acres treated, 2017	226	3,000	6,010	56	3,936
2012	655	3,408	2,473	128	907
Organic fertilizer (see text)farms, 2017	4	12	9	2	1
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	354	390	52	(D)	(D)
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	21	22	24	16	58
2012	15	40	49	18	70
acres, 2017	9,888	1,501	1,256	(D)	27,757
2012	8,490	2,931	2,832	5,587	29,860
Weeds, grass, or brushfarms, 2017	31	137	59	41	59
2012	31	157	81	45	82
acres, 2017	14,053	7,828	4,478	8,493	34,247
2012	12,575	10,901	3,826	8,501	39,649
Nematodesfarms, 2017	4	1	5	1	6
2012	7	3	6	4	15
acres, 2017	(D)	(D)	(D)	(D)	4,217
2012	1,696	(D)	211	(D)	3,961
Diseases in crops and orchardsfarms, 2017	12	9	29	18	37
2012	7	13	31	4	32
acres, 2017	3,399	927	2,523	(D)	18,629
2012	2,734	1,191	858	481	14,901
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	-	2	10	2	3
2012	1	1	18	4	7
acres on which used, 2017	-	(D)	2,040	(D)	2,505
2012	(D)	(D)	964	51	4,408
Item	Northumberland	Nottoway	Orange	Page	Patrick
Commercial fertilizer, lime, and soil conditionersfarms, 2017	57	120	174	176	266
2012	60	145	182	169	301
acres treated, 2017	24,092	11,114	21,238	12,660	19,032
2012	29,625	14,379	21,167	13,890	17,983
Cropland fertilized, except cropland pasturefarms, 2017	54	84	117	126	186
2012	57	104	121	129	230
acres treated, 2017	23,987	6,962	16,883	9,457	10,621
2012	29,458	10,865	17,683	11,245	9,495
Pastureland and rangeland fertilizedfarms, 2017	8	58	84	79	168
2012	8	82	91	77	191
acres treated, 2017	105	4,152	4,355	3,203	8,411
2012	167	3,514	3,484	2,645	8,488
Manurefarms, 2017	7	48	84	145	51
2012	5	54	78	163	68
acres treated, 2017	230	3,768	8,155	12,008	1,506
2012	(D)	4,637	6,519	13,236	2,032
Organic fertilizer (see text)farms, 2017	-	12	29	11	11
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	-	188	2,144	305	210
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	42	23	38	39	33
2012	53	32	48	49	66
acres, 2017	28,323	2,763	5,035	3,839	1,355
2012	26,379	3,852	9,486	2,301	1,799
Weeds, grass, or brushfarms, 2017	45	51	99	131	103
2012	67	89	108	180	149
acres, 2017	31,441	8,278	20,354	12,865	5,118
2012	32,355	10,034	16,467	13,871	6,803
Nematodesfarms, 2017	3	2	12	6	7
2012	6	2	10	3	3
acres, 2017	(D)	(D)	566	881	194
2012	2,916	(D)	552	(D)	160
Diseases in crops and orchardsfarms, 2017	23	13	28	16	20
2012	23	6	22	13	31
acres, 2017	7,292	280	2,100	738	689
2012	9,210	13	1,178	111	355
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	2	-	8	4	6
2012	2	2	4	4	29
acres on which used, 2017	(D)	-	109	30	124
2012	(D)	(D)	(D)	(D)	637

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

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

Item	Pittsylvania	Powhatan	Prince Edward	Prince George	Prince William	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	658	91	129	68	84
	2012	721	73	140	71	122
acres treated, 2017	70,840	7,379	12,435	15,833	8,914	8,914
	2012	76,911	5,186	13,590	13,886	11,352
Cropland fertilized, except cropland pasture	farms, 2017	497	49	95	58	65
	2012	516	44	90	58	80
acres treated, 2017	44,689	5,937	7,386	15,470	8,150	8,150
	2012	47,838	4,520	7,167	13,389	9,821
Pastureland and rangeland fertilized	farms, 2017	383	55	70	22	32
	2012	428	36	90	24	61
acres treated, 2017	26,151	1,442	5,049	363	764	764
	2012	29,073	666	6,423	497	1,531
Manure	farms, 2017	99	41	36	16	50
	2012	128	54	44	8	65
acres treated, 2017	5,543	1,234	1,966	92	1,139	1,139
	2012	10,655	1,920	3,030	24	2,326
Organic fertilizer (see text)	farms, 2017	25	8	9	3	7
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	1,413	442	116	(D)	37	37
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects	farms, 2017	133	11	16	20	13
	2012	207	7	24	30	43
acres, 2017	11,653	206	(D)	12,126	(D)	(D)
	2012	16,534	38	1,734	7,028	3,703
Weeds, grass, or brush	farms, 2017	285	37	57	64	43
	2012	360	56	63	70	92
acres, 2017	28,360	6,033	4,636	19,371	7,244	7,244
	2012	37,946	4,943	3,523	14,227	7,646
Nematodes	farms, 2017	16	-	2	8	3
	2012	29	6	2	10	-
acres, 2017	2,025	-	(D)	2,224	7	7
	2012	1,650	16	(D)	892	-
Diseases in crops and orchards	farms, 2017	41	2	6	18	9
	2012	50	8	4	8	9
acres, 2017	2,965	(D)	6	3,016	15	15
	2012	1,957	20	(D)	624	259
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	20	2	1	-	5
	2012	46	2	1	2	7
acres on which used, 2017	997	(D)	(D)	(D)	-	17
	2012	2,691	(D)	(D)	(D)	42
Item	Pulaski	Rappahannock	Richmond	Roanoke	Rockbridge	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	195	132	60	86	300
	2012	174	98	58	100	286
acres treated, 2017	15,799	6,033	20,888	2,673	21,156	21,156
	2012	23,912	4,463	18,094	2,421	21,300
Cropland fertilized, except cropland pasture	farms, 2017	152	100	56	60	218
	2012	128	74	53	77	225
acres treated, 2017	11,214	4,746	20,658	2,242	12,685	12,685
	2012	10,118	2,997	17,691	1,820	14,078
Pastureland and rangeland fertilized	farms, 2017	86	43	8	35	158
	2012	88	31	13	37	116
acres treated, 2017	4,585	1,287	230	431	8,471	8,471
	2012	13,794	1,466	403	601	7,222
Manure	farms, 2017	29	59	8	33	128
	2012	28	41	7	14	152
acres treated, 2017	2,035	2,306	137	334	7,786	7,786
	2012	1,593	1,106	299	238	9,220
Organic fertilizer (see text)	farms, 2017	14	16	6	9	30
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	754	191	12	111	1,427	1,427
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insects	farms, 2017	12	39	36	16	42
	2012	9	47	34	34	53
acres, 2017	924	540	17,392	91	1,219	1,219
	2012	1,635	496	11,489	308	2,488
Weeds, grass, or brush	farms, 2017	90	88	43	30	189
	2012	84	74	59	46	215
acres, 2017	4,216	1,840	23,665	616	12,425	12,425
	2012	5,267	3,356	20,170	819	12,572
Nematodes	farms, 2017	1	6	3	4	3
	2012	1	4	1	5	4
acres, 2017	(D)	80	(D)	18	(D)	(D)
	2012	(D)	49	(D)	37	(D)
Diseases in crops and orchards	farms, 2017	8	28	17	10	23
	2012	6	42	13	18	28
acres, 2017	1,284	416	9,618	44	81	81
	2012	(D)	416	2,235	98	664
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	1	2	5	-	3
	2012	3	15	3	6	5
acres on which used, 2017	(D)	(D)	3,407	-	3	3
	2012	26	204	(D)	66	49

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

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

Item	Rockingham	Russell	Scott	Shenandoah	Smyth
Commercial fertilizer, lime, and soil conditionersfarms, 2017	891	443	592	384	333
2012	805	433	497	376	367
acres treated, 2017	78,878	20,537	18,833	34,917	18,179
2012	69,193	20,404	16,392	30,182	26,272
Cropland fertilized, except cropland pasturefarms, 2017	784	365	498	312	240
2012	686	357	406	315	284
acres treated, 2017	67,044	13,669	12,825	28,421	10,764
2012	56,270	10,740	10,295	24,081	14,970
Pastureland and rangeland fertilizedfarms, 2017	277	175	254	137	185
2012	287	157	209	138	185
acres treated, 2017	11,834	6,868	6,008	6,496	7,415
2012	12,923	9,664	6,097	6,101	11,302
Manurefarms, 2017	823	71	111	289	49
2012	753	71	86	263	82
acres treated, 2017	63,048	3,932	1,782	18,678	2,936
2012	61,599	2,062	1,922	16,045	3,379
Organic fertilizer (see text)farms, 2017	68	12	27	15	6
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	5,177	1,575	516	295	266
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	351	30	45	94	20
2012	360	23	81	105	35
acres, 2017	27,935	296	393	9,535	867
2012	24,589	457	1,014	6,620	1,460
Weeds, grass, or brushfarms, 2017	766	231	314	304	154
2012	770	261	301	311	252
acres, 2017	69,663	10,493	8,744	30,153	7,803
2012	62,297	13,619	7,399	22,012	24,598
Nematodesfarms, 2017	42	-	9	17	4
2012	38	3	10	8	1
acres, 2017	3,964	-	104	1,740	375
2012	3,147	26	320	324	(D)
Diseases in crops and orchardsfarms, 2017	83	2	27	54	5
2012	83	7	18	26	10
acres, 2017	5,756	(D)	37	4,036	(D)
2012	2,098	16	322	1,560	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	23	7	13	9	3
2012	19	6	18	6	3
acres on which used, 2017	3,332	41	101	971	(D)
2012	745	20	408	(D)	(D)
Item	Southampton	Spotsylvania	Stafford	Surry	Sussex
Commercial fertilizer, lime, and soil conditionersfarms, 2017	163	125	84	78	80
2012	193	144	82	73	68
acres treated, 2017	81,051	11,655	7,992	17,774	31,143
2012	80,828	10,570	3,761	21,688	27,658
Cropland fertilized, except cropland pasturefarms, 2017	148	91	53	77	75
2012	177	104	56	65	63
acres treated, 2017	79,765	10,142	7,252	17,044	30,750
2012	78,985	8,611	3,034	21,333	27,400
Pastureland and rangeland fertilizedfarms, 2017	32	55	47	14	8
2012	37	73	51	20	8
acres treated, 2017	1,286	1,513	740	730	393
2012	1,843	1,959	727	355	258
Manurefarms, 2017	18	63	48	6	11
2012	11	70	49	19	6
acres treated, 2017	332	1,142	1,545	212	478
2012	700	4,251	520	391	61
Organic fertilizer (see text)farms, 2017	1	10	9	3	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	(D)	356	61	75	-
2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--					
Insectsfarms, 2017	117	36	23	39	52
2012	156	42	17	51	47
acres, 2017	85,799	1,392	463	12,102	29,561
2012	67,377	3,234	105	20,845	19,212
Weeds, grass, or brushfarms, 2017	149	73	61	55	57
2012	195	90	43	74	65
acres, 2017	89,009	6,439	5,798	18,110	37,735
2012	84,208	8,772	1,262	29,664	29,463
Nematodesfarms, 2017	50	2	1	9	15
2012	58	2	4	15	23
acres, 2017	26,987	(D)	(D)	3,640	4,058
2012	21,873	(D)	34	2,933	6,015
Diseases in crops and orchardsfarms, 2017	55	22	7	23	14
2012	59	7	6	19	18
acres, 2017	23,501	619	(D)	1,074	7,333
2012	17,728	273	40	10,550	3,848
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	75	6	2	2	15
2012	98	5	5	4	13
acres on which used, 2017	34,704	96	(D)	(D)	4,043
2012	34,093	73	15	1,540	4,721

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

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

Item	Tazewell	Warren	Washington	Westmoreland	Wise	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	211	70	680	119	57
	2012	226	94	616	103	49
acres treated, 2017	16,390	4,486	37,194	26,347	1,697	
	2012	14,805	4,136	32,331	31,525	1,058
Cropland fertilized, except cropland pasture	farms, 2017	158	48	513	111	44
	2012	160	63	469	97	34
acres treated, 2017	9,300	3,389	23,516	25,518	1,070	
	2012	9,728	2,845	19,724	31,000	712
Pastureland and rangeland fertilized	farms, 2017	95	32	336	24	26
	2012	115	37	303	15	21
acres treated, 2017	7,090	1,097	13,678	829	627	
	2012	5,077	1,291	12,607	525	346
Manure	farms, 2017	41	42	156	16	26
	2012	40	50	155	14	17
acres treated, 2017	1,258	3,760	5,021	968	756	
	2012	3,775	2,516	5,068	436	279
Organic fertilizer (see text)	farms, 2017	4	6	27	1	3
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	759	1,964	281	(D)	62	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
	Insects					
farms, 2017	9	7	58	74	11	
	2012	23	22	106	69	15
acres, 2017	2,009	(D)	1,623	18,162	138	
	2012	310	108	2,971	25,642	110
Weeds, grass, or brush	farms, 2017	123	35	270	88	30
	2012	146	65	384	104	34
acres, 2017	10,552	1,664	15,009	26,446	1,348	
	2012	7,270	1,408	19,068	33,342	620
Nematodes	farms, 2017	3	1	6	13	-
	2012	6	-	9	14	2
acres, 2017	14	(D)	556	2,392	-	
	2012	12	-	286	551	(D)
Diseases in crops and orchards	farms, 2017	6	6	21	31	5
	2012	6	12	48	43	7
acres, 2017	10	193	96	9,943	46	
	2012	12	62	237	10,118	15
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	-	-	7	5	-
	2012	5	4	11	10	4
acres on which used, 2017	-	-	49	(D)	-	
	2012	120	51	30	225	4

Item	Wythe	York	Chesapeake City	Suffolk	Virginia Beach City	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	467	14	99	127	69
	2012	463	16	117	133	78
acres treated, 2017	34,624	63	24,158	39,847	15,994	
	2012	32,182	(D)	25,134	43,982	16,961
Cropland fertilized, except cropland pasture	farms, 2017	406	10	83	101	56
	2012	365	14	95	105	66
acres treated, 2017	24,197	(D)	23,884	39,632	15,644	
	2012	21,804	(D)	24,945	43,290	16,545
Pastureland and rangeland fertilized	farms, 2017	207	4	28	27	14
	2012	207	2	28	36	20
acres treated, 2017	10,427	(D)	274	215	350	
	2012	10,378	(D)	189	692	416
Manure	farms, 2017	116	2	31	24	15
	2012	101	10	38	39	22
acres treated, 2017	4,442	(D)	474	1,352	200	
	2012	4,930	82	582	864	1,003
Organic fertilizer (see text)	farms, 2017	26	1	7	1	6
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	658	(D)	515	(D)	33	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
	Insects					
farms, 2017	39	5	59	81	40	
	2012	70	5	70	90	49
acres, 2017	3,845	17	20,466	41,978	12,404	
	2012	3,837	30	21,010	30,709	16,773
Weeds, grass, or brush	farms, 2017	250	5	72	106	71
	2012	274	16	116	136	72
acres, 2017	13,571	23	28,849	47,438	16,650	
	2012	12,866	143	33,654	46,780	20,128
Nematodes	farms, 2017	6	1	2	29	15
	2012	14	-	9	23	14
acres, 2017	863	(D)	(D)	15,253	1,699	
	2012	578	-	3,528	11,647	2,300
Diseases in crops and orchards	farms, 2017	11	1	16	39	23
	2012	19	4	22	41	31
acres, 2017	714	(D)	11,412	19,070	8,797	
	2012	437	13	8,492	12,230	6,793
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	2	-	4	33	1
	2012	3	1	3	36	1
acres on which used, 2017	(D)	-	12	9,310	(D)	
	2012	60	(D)	(D)	14,575	(D)