Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 [For meaning of abbreviations and symbols, see introductory text.]

Commercial fertilizer, lime, and soil conditioners condition	159 197 14,392 21,281 126 155 12,183 16,367 6,367 6,367 7,8 101 5,707 7,421 44 32 3,605 4,639 113,702 13,031 109 13,702
2007 22,563 117 382 87 2007 22,64,507 52,323 23,814 2,965 2007 2,264,507 52,323 23,814 2,965 2007 2,264,507 52,323 23,814 2,965 2007 14,400 90 210 56 2007 16,684 110 232 74 2007 2007 1,704,169 51,702 14,953 2,084 2,965 2007 1,704,169 51,702 14,953 2,084 2,084 2,084 2,085 2,084 2,084 2,085 2,084 2,084 2,085 2,084 2,084 2,085 2,084 2,084 2,085 2,084 2,085 2,084 2,085 2,084 2,085 2,084 2,085 2,084 2,085 2,	197 14,392 21,281 126 155 12,183 16,367 94 2,209 4,914 78 101 5,707 7,421 44 32 3,605 4,639 113 109 13,702 13,031 9 6
Cropland fertilized, except cropland pasturefarms, 2012 2007 16,694 110 232 74 acres treated, 2012 15,509,409 (D) 12,985 1,647 2007 17,041,69 51,702 14,953 2,084 Pastureland and rangeland fertilizedfarms, 2012 8,630 2 14,863 226 44 2007 11,602 14 226 44 2007 11,602 14 226 44 2007 11,602 14 226 44 2007 11,602 14 226 44 2007 11,602 14 226 26 2007 11,602 14 226 26 2007 11,602 14 226 26 2007 11,602 14 226 26 2007 11,602 14 226 26 2007 11,602 14 226 26 2007 2007 2007 2007 2007 2009 2009 2009	126 155 12,183 16,367 60 94 2,209 4,914 78 101 15,707 7,421 44 32 3,605 4,639 113 109 13,702 13,031 9 6
Pastureland and rangeland fertilized	16,367 60 94 2,209 4,914 78 101 5,707 7,421 44 32 3,605 4,639 113 109 13,702 13,031 9 6
11,602	94 2,209 4,914 78 101 5,707 7,421 44 32 3,605 4,639 113 109 13,702 13,031 9 6
Manure	78 101 5,707 7,421 44 32 3,605 4,639 113 109 13,702 13,031 9 6
Acres treated to control Insects	5,707 7,421 44 32 3,605 4,639 113 109 13,702 13,031 9 6
Insects farms, 2012 5,003 75 68 4	32 3,605 4,639 113 109 13,702 13,031 9 6
2007 4,711 71 49 5 acres, 2012 786,176 33,555 6,385 (D) 2007 748,282 36,003 5,034 506 Weeds, grass, or brush 515 153 38 2007 10,790 103 128 37 acres, 2012 1,514,896 52,094 9,689 1,361 2007 1,242,555 47,989 6,195 1,218 Nematodes 52007 12,42,555 47,989 6,195 1,218 Nematodes 52007 632 4 7 2 2007 632 4 7 2 2007 632 4 7 2 2007 101,115 (D) 62 (D) Diseases in crops and orchards 512,094 26,596 26 Diseases in crops and orchards 52007 1,366 21 29 - acres, 2012 245,417 15,065 5,096 26	32 3,605 4,639 113 109 13,702 13,031 9 6
2007 748_282 36,003 5,034 506	4,639 113 109 13,702 13,031 9 6
2007 10,790 103 128 37 acres, 2012 1,514,896 52,094 9,689 1,361 2007 1,242,555 47,989 6,195 1,218 Nematodes	109 13,702 13,031 9 6
Nematodes	13,031 9 6
acres, 2012 131,121 2,756 (D) 62 (D) Diseases in crops and orchards	
Diseases in crops and orchards	330
2007 1,366 21 29 - acres, 2012 245,417 15,065 5,096 26	232
	11 6 277
2007 128,557 8,283 1,336 -	119
Chemicals used to control growth, thin fruit, ripen, or defoliate	7
2007 730 10 5 4 acres on which used, 2012 129,075 2,537 1,112 (D) 2007 79,628 2,073 (D) 76	4 240 (D)
Item Amherst Appomattox Arlington Augusta B	th
Commercial fertilizer, lime, and soil 204 2 666	33
2007 209 193 - 798 acres treated, 2012 10,295 19,796 (D) 63,052	50 1,905
2007 13,898 21,417 - 75,091 Cropland fertilized, except cropland pasture farms, 2012 119 169 2 535	5,938 26
2007 166 161 - 625 acres treated, 2012 5,138 13,052 (D) 46,057	36 1,564
2007 9,230 13,377 - 56,020 Pastureland and rangeland fertilizedfarms, 2012 71 99 - 301	3,282
2007 98 114 - 364 acres treated, 2012 5,157 6,744 - 16,995	19 341
2007 4,668 8,040 - 19,071 Manure	2,656 26
2007 49 28 - 520 acres treated, 2012 1,547 4,872 - 35,124	23 1,078
2007 2,799 1,672 - 42,563	1,508
Acres treated to control Insects	.8
2007 19 21 1 154	11 (D)
acres, 2012 499 1,175 - 10,773	
acres, 2012 499 1,175 - 10,773 2007 999 307 (D) 22,824 Weeds, grass, or brush	1,473 23
Acres, 2012 499 1,175 - 10,773 2007 999 307 (D) 22,824	1,473 23 19 1,068
Acres, 2012 499 1,175 - 10,773 2007 999 307 (D) 22,824	1,473 23 19 1,068 1,735
acres, 2012 499 1,175 - 10,773 2007 999 307 (D) 22,824 Weeds, grass, or brush	1,473 23 19 1,068
acres, 2012 d99 307 (D) 22,824 Weeds, grass, or brush	1,473 23 19 1,068 1,735 - 2 - (D)
Acres, 2012 499 1,175 - 10,773 2007 999 307 (D) 22,824	1,473 23 19 1,068 1,735 - 2 - (D)
Acres, 2012 499 1,175 - 10,773	1,473 23 19 1,068 1,735 2 (D) 2 2 (D) (D)
acres, 2012 499 307 (D) 22,824 Weeds, grass, or brush farms, 2012 58 107 - 508 2007 58 62 1 417 acres, 2012 3,949 7,290 - 42,509 2007 2,327 2,733 (D) 43,271 Nematodes 2007 3 1 - 15 2007 3 1 - 7 acres, 2012 (D) - 1,441 2007 (D) (D) - 859 Diseases in crops and orchards 2012 19 5 - 42 2007 12 7 1 31 acres, 2012 414 139 - 1,126 2007 12 7 1 1,126 2007 175 31 (D) 2,118	1,473 23 19 1,068 1,735 2 (D) 2 2 (D)

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

Item	Bedford	Bland	Botet	tourt	Brunswick	Buchanan
Commercial fertilizer, lime, and soil						
Conditioners	602 776 38,324 56,810 485 607 25,586 32,391 287 429 12,738 24,419 156 158 4,903 7,879	12,4 10,7,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,		231 281 14,333 16,315 178 194 8,890 10,233 118 156 5,443 6,082 80 80 88 4,244	106 11,877 15,846 80 103 12,088 12,478 52 67 2,789 3,368 18 24 1,238 968	21 38 323 636 17 24 203 437 6 16 120 199 9 7
Acres treated to control						
Insects farms, 2012 2007 acres, 2012 2007 Weeds, grass, or brush farms, 2012 2007 acres, 2012 2007 acres, 2012 2007	65 70 2,781 2,654 278 223 9,895 7,548	2,7	12 13 339 290 79 86 87 733 329	23 32 1,523 3,292 164 155 7,945 6,573	39 37 7,082 4,181 59 54 12,868 8,780	2 (D) (D) 9 17 74 199
Nematodesfarms, 2012 2007	6 15		1	4	20 20	-
acres, 2012 2007	72 1,093		(D) (D)	59 (D)	2,449 1,551	-
Diseases in crops and orchards	45 29 1,506		1 (D)	16 7 936	11 2 3,031	1 1 (D) (D)
2007	855		-	133	(D)	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate	16 16 424 327		3 (D)	11 3 299 (D)	9 13 1,200 929	1 (D)
Item	Buckingham	Campbell	Caroline	Carroll	Charles City	Charlotte
Commercial fertilizer, lime, and soil	3 tr				,	
conditionersfarms, 2012	145 196	329 402	92 132	503 614	37 37	
acres treated, 2012 2007 Cropland fertilized, except cropland pasturefarms, 2012 2007 acres treated, 2012	9,725 14,241 92 112 4,506	29,833 41,880 271 316 18,635	31,491 30,789 82 76 30,820	31,302 36,087 323 382 18,628	16,421 15,399 28 26 16,315	24,993 22,843 228 218 3 218 3 18,248
2007 Pastureland and rangeland fertilizedfarms, 2012 2007 acres treated, 2012	7,791 90 133 5,219	24,046 166 236 11,198	28,958 28 82	16,510 324 426 12,674	15,159 11 14	132 161
Manure	6,450 62 66 4,332 3,987	17,834 17,834 106 90 10,029 4,729	671 1,831 22 58 208 2,563	19,577 29 79 1,254 2,098	106 240 2 11 32 138	8,642 56 61 2,391
Acres treated to control	04	54	40	00	0-	-
Insects	21 23 1,407 1,067 74 49 5,947	54 44 2,810 2,949 147 137 11,599	40 42 25,507 20,996 79 80 33,497	83 90 3,616 2,715 182 187 6,257	27 18 17,865 9,256 32 24 20,311	60 6,520 6 3,286 2 146 9 94 19,033
2007 Nematodes farms, 2012 2007 acres, 2012 2007	2,429 1 - (D)	7,118 7 1 7 (D)	29,719 7 6 4,107 (D)	5,829 11 6 132 89	11,801 5 1 328 (D	6,031 4 6 265
Diseases in crops and orchardsfarms, 2012 2007 acres, 2012 2007	8 4 451 13	16 15 (D) 180	16 15 4,905 7,480	47 33 1,872 892	15 6 8,749 843	8 550
Chemicals used to control growth, thin fruit, ripen, or defoliate	1 2 (D) (D)	10 10 141 191	3 2 (D) (D)	18 14 359 335	1 2 (D (D	7 7 (D)
						oonanaea

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

[For meaning of abbreviations and symbols, see introductory text.]	Chesterfield	Clarke	Craig	Culpeper	Cumberland	Dickenson
Commercial fertilizer, lime, and soil	Chesterneid	Cialke	Graig	Cuipepei	Cumpenanu	DICKELIZOLI
conditioners	67 78 4,019 4,183	126 157 9,801 14,118	107 99 6,583 6,409	214 296 28,326 34,162	76 122 8,003 9,345	49 66 1,292 1,547
Cropland fertilized, except cropland pasturefarms, 2012 2007 acres treated, 2012 2007	55 59 3,570 3,289	88 106 7,898 11,631	90 77 4,395 3,998	141 213 20,485 26,065	57 89 4,502 5,277	33 35 721 597
Pastureland and rangeland fertilizedfarms, 2012 2007 acres treated, 2012 2007	28 32 449 894	49 72 1,903 2,487	46 41 2,188 2,411	102 146 7,841 8,097	44 70 3,501 4,068	28 50 571 950
Manure	27 24 540 597	2,467 68 79 3,438 4,702	25,411 25 18 751 646	145 130 7,890 9,733	4,043 69 2,388 4,715	15 19 189 176
Acres treated to control Insects	26	40	6	62	21	5
2007 acres, 2012 2007 Weeds, grass, or brushfarms, 2012	10 1,359 842 46	40 4,057 7,450 118	16 203 389 47	56 11,982 7,784 153	15 2,128 1,197 59	8 11 31 25
2007 acres, 2012 2007	38 4,101 3,431	106 10,318 9,767	39 1,742 900	147 24,410 17,707	59 5,696 2,685	37 276 468
Nematodes	3 1 92 (D)	5 2 (D) (D)	2 4 (D) 13	10 2 723 (D)	1 (D)	(D)
Diseases in crops and orchardsfarms, 2012 2007 acres, 2012 2007	8 3 292 148	15 10 359 1,798	4 6 105 24	31 16 3,866 276	6 7 (D) (D)	6 6 10 8
Chemicals used to control growth, thin fruit, ripen, or defoliate	6 3	10 7	1 2	7 2	1 2	4 2
acres on which used, 2012 2007	40 144	248 1,096	(D) (D)	187 (D)	(D) (D)	8 (D)
Item	Dinwiddie	Essex	Fairfax	Fauquier	Floyd	Fluvanna
Commercial fertilizer, lime, and soil				·	·	
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121	46 49 36,273 33,187 45 42	39 76 359 1,134 25 34	389 475 39,155 57,754 238 279	413 492 23,546 35,154 334 391	97 162 5,696 10,810 69 104
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121 23,241 25,672 66	46 49 36,273 33,187 45	39 76 359 1,134 276 84 276 832 15	389 475 39,155 57,754 238 279 31,116 33,061 201	413 492 23,546 35,154 334 391 16,038 21,383 167 271	97 162 5,696 10,810 69 104 4,124 6,605 44
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121 23,241 25,672 66	46 49 36,273 33,187 42 35,752 33,006 4	39 76 359 1,134 25 34 276 832	389 475 39,155 57,754 238 279 31,116 33,061	413 492 23,546 35,154 331 16,038 21,383	97 162 5,696 10,810 69 104 4,124 6,605
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121 23,241 25,672 66 103 3,049 3,583 45 30 741 825	46 49 36,273 33,187 42 35,752 33,006 4 9 521 181 4 6 (D) 937	39 76 359 1,134 276 832 15 43 83 302 17 33 102 180	389 475 39,155 57,754 238 279 31,116 33,061 201 8,039 24,693 167 199 10,512 9,606	413 492 23,546 35,154 334 391 16,038 21,383 167 271 7,508 13,771 65 81 3,230 4,913	97 162 5,696 10,810 69 104 4,124 6,605 44 101 1,572 4,205 23 63 1,023 1,864
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121 23,241 25,672 66 103 3,049 3,583 45 30 741 825	46 49 36,273 33,187 45 42 35,752 33,006 4 9 521 181 4 4 6 (D) 937 27,832 25,322 47	39 76 359 1,134 25 34 276 832 15 43 302 17 7 33 102 180	389 475 39,155 57,754 238 279 31,116 33,061 301 8,039 24,693 167 199 10,512 9,606 119 108 11,359 15,218 251	413 492 23,546 35,154 334 391 16,038 21,383 21,383 1771 7,508 13,771 65 81 3,230 4,913	97 162 5,696 10,810 69 104 4,124 6,605 44 101 1,572 4,205 23 63 1,023 1,864
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121 23,241 25,672 66 103 3,049 3,583 45 30 741 825	46 49 36,273 33,187 42 35,752 33,006 4 9 521 181 4 6 (D) 937 30 27 27,832 25,322	39 76 359 1,134 276 832 15 43 33 302 17 33 102 180	389 475 39,155 57,754 238 279 31,116 33,061 201 3001 8,039 24,693 167 199 10,512 9,606	413 492 23,546 35,154 334 391 16,038 21,383 167 271 7,508 13,771 65 81 3,230 4,913	97 162 5,696 10,810 69 104 4,124 6,605 44 101 1,572 4,203 63 1,023 1,864 22 12 1,037 1,943 566
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121 23,241 25,672 66 103 3,049 3,583 45 30 741 825 49 47 14,938 15,407 131 101 26,112 22,315	46 49 36,273 33,187 445 42 35,752 33,006 4 9 521 181 4 6 (D) 937 27,832 25,322 4 47 37,158 31,952	39 76 359 1,134 276 832 15 43 83 302 17 33 102 180 17 19 101 135 30 38 240 570 1	389 475 39,155 57,784 238 279 31,116 33,061 201 8,039 24,693 167 199 10,512 9,606 11,359 11,359 15,218 251 250 38,315 29,557	413 492 23,546 35,154 334 391 16,038 21,383 167 271 7,508 13,771 65 81 3,230 4,913 64 51 2,101 1,832 1,857 1,411 8,384 3,991	97 162 5,696 10,810 69 104 4,124 6,605 44 101 1,572 4,205 23 63 1,023 1,864 22 12 1,037 1,943 56 59
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 1099 121 23,241 25,672 66 103 3,049 3,583 45 45 30 741 825 49 47 14,938 15,407 131 101 26,112 22,315 17	46 49 36,273 33,187 45 42 35,752 33,006 4 9 521 181 4 6 (D) 937 27,832 25,322 47 37,158 31,952 7 4,695	39 76 359 1,134 25 34 276 832 15 43 302 17 7 19 101 135 30 38 240 570 (D)	389 475 39,155 57,754 279 31,116 33,061 301 8,039 24,693 167 199 10,512 9,606 11,359 15,218 251 251 251 250 38,315 29,557 13	413 492 23,546 35,154 334 391 16,038 21,383 167 271 7,508 13,771 65 81 3,230 4,913 64 51 2,101 1,832 157 141 8,384 3,991 5 2	97 162 5,696 10,810 69 104 4,124 6,605 44 101 1,572 4,205 23 63 1,023 1,864 22 12 1,037 1,943 56 59
Commercial fertilizer, lime, and soil conditioners	140 186 26,290 29,255 109 121 23,241 25,672 66 103 3,049 3,583 45 45 45 47 14,938 15,407 131 101 26,112 22,315 17 19 2,348 1,034	46 49 36,273 33,187 45 42 35,752 33,006 4 9 521 181 4 6 (D) 937 27,832 25,322 47 37,158 31,952 7 4,695 (D)	39 76 359 1,134 25 34 276 832 15 43 302 177 33 102 180 17 19 101 135 30 38 240 57 (D) 334	389 475 39,155 57,754 238 279 31,116 33,061 201 301 8,039 24,693 10,512 9,606 119 108 11,359 15,218 251 250 38,315 29,557 13 5 3 312 35	413 492 23,546 35,154 334 391 16,038 21,383 167 271 7,508 13,771 65 81 3,230 4,913 64 51 2,101 1,832 157 141 8,384 3,991 15 2 2 3 3 (D)	97 162 5,696 10,810 69 104 4,124 6,605 44 101 1,572 4,203 63 1,864 22 12 1,037 1,943 566 59 4,144 2,783

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

[For meaning of abbreviations and symbols, see introductory text.]	Franklin	Frederick	Giles	Gloucester	Goochland	Grayson
Commercial fertilizer, lime, and soil			200			,
conditioners	570 634 53,076	192 250 14,162	194 169 7,825	62 80 11,872	117 141 11,892	362 466 19,889
Cropland fertilized, except cropland pasturefarms, 2012 2007 acres treated, 2012	57,897 443 472 35,325	17,804 139 192 11,150	8,701 152 114 4,705	14,587 47 47 11,532	16,711 64 85 10,352	27,212 242 335 9,871
2007 Pastureland and rangeland fertilizedfarms, 2012 2007	36,614 344 432	13,085 77 99	4,863 78 98	14,175 25 42	13,705 70 89	14,047 171 255
acres treated, 2012 2007 Manurefarms, 2012	17,751 21,283 153	3,012 4,719 93	3,120 3,838 36	340 412 13	1,540 3,006 68	10,018 13,165 75
2007 acres treated, 2012 2007	172 12,945 12,589	109 5,725 5,743	32 1,163 754	22 380 240	57 3,495 2,866	67 2,577 3,030
Acres treated to control Insectsfarms, 2012 2007	106 105	54 80	23 17	35 44	29 27	77 83
acres, 2012 2007 Weeds, grass, or brushfarms, 2012	8,681 9,877 254	6,690 8,312 130	153 647 145	8,540 8,870 58	9,378 4,688 72	2,419 3,412 141
2007 acres, 2012 2007	219 23,265 18,838	119 9,998 9,512	111 4,705 4,530	53 12,591 13,151	71 13,825 11,030	184 4,348 6,930
Nematodesfarms, 2012 2007 acres, 2012 2007	9 12 1,965 1,239	5 4 (D) (D)	7 1 19 (D)	8 3 492 84	5 1 450 (D)	4 9 172 176
Diseases in crops and orchardsfarms, 2012 2007 acres, 2012	24 24 1,661	30 33 4,692	9 7 23	12 7 1,629	11 3 (D)	15 22 512
Chemicals used to control growth, thin fruit,	1,055	7,026	117	(D)	(D)	1,030
ripen, or defoliatefarms, 2012 2007 acres on which used, 2012	15 11 498	16 25 4,494	6 1 60	1 2 (D)	4 3 59	4 2 (D)
	380	4,213	(D)	(D)	(D)	(D)
				Hanovor	Honrico	Honry
	Greene	Greensville	Halifax	Hanover	Henrico	Henry
Commercial fertilizer, lime, and soil conditionersfarms, 2012	67	62	430	269	44	129
Commercial fertilizer, lime, and soil conditioners		62 72	430 458		44 77	
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532	62 72 23,425 22,156	430 458 35,661 32,723	269 328 42,477 47,149	44 77 3,539 9,221	129 187 6,167 10,886
Commercial fertilizer, lime, and soil conditioners	67 100 4,039	62 72 23,425	430 458 35,661 32,723 338 355	269 328 42,477	44 77 3,539	129 187 6,167
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921	62 72 23,425 22,156 52 63 23,105	430 458 35,661 32,723 338 355 21,467	269 328 42,477 47,149 208 225 39,624	44 77 3,539 9,221 37 49 3,443	129 187 6,167 10,886 88 121 2,721
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39	62 72 23,425 22,156 52 63 23,105 21,941	430 458 35,661 32,723 338 355 21,467 19,449 233	269 328 42,477 47,149 208 225 39,624 40,683 105	44 77 3,539 9,221 37 49 3,443 8,657	129 187 6,167 10,886 88 121 2,721 5,247
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827	62 72 23,425 22,156 52 63 23,105 21,941	430 458 35,661 32,723 338 355 21,467 19,449	269 328 42,477 47,149 208 225 39,624 40,683	44 777 3,539 9,221 37 49 3,443 8,657	129 187 6,167 10,886 88 121 2,721 5,247
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118	62 72 23,425 22,156 53 23,105 21,941 13 17 320 215	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466	44 77 3,539 9,221 37 49 3,443 8,657 9 34 96 564	129 187 6,167 10,886 88 121 2,721 5,247 69 145 3,446 5,639
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118	62 72 23,425 22,156 52 63 23,105 21,941 13 17 320	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853	44 77 3,539 9,221 37 49 3,443 8,657 9 34	129 187 6,167 10,886 88 121 2,721 5,247 69 145 3,446
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118 1,705 33 48 2,870	62 72 23,425 22,156 5 33,105 21,941 13 17 320 215 4 7	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194 13,274 70 67 2,321	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 72 84	44 77 3,539 9,221 3,443 8,657 9 34 96 564 11 21	129 187 6,167 10,886 88 121 2,721 5,247 69 145 3,446 5,639 18 36
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118 1,705 33 48 2,870 4,711	62 72 23,425 22,156 5 63 23,105 21,941 13 17 320 215 4 4 7 113 164	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194 13,274 70 67 2,321 2,103	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 77 2 84 1,993 3,382	44 77 3,539 9,221 3,47 49 3,443 8,657 9 34 96 564 11 21 201 401	129 187 6,167 10,886 8 8 121 2,721 5,247 69 145 3,446 5,639 145 36 613 562
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118 1,705 33 48 2,870 4,711 23 15 697 417 38	62 72 23,425 22,156 5 23,105 21,941 13 17 320 215 4 4 7 7 113 164 39 11,756 13,787 52	430 458 35,661 32,723 338 355 21,467 19,449 13,274 70 67 2,321 2,103 146 106 6,508 4,463 255 185	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 77 2 2 84 1,993 3,382	44 77 3,539 9,221 3,7 49 3,443 8,657 9 34 96 564 11 21 201 401 20 27 4,746 7,662 33 38	129 187 6,167 10,886 88 121 2,721 5,247 69 145 3,446 5,639 148 36 613 562
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118 1,705 33 48 2,870 4,711 23 1,711 38 83 22 1,085	62 72 23,425 22,156 5 63 23,105 21,941 13 17 320 215 4 4 7 113 164 36 39 11,756 13,787 5 5 5 2 5 4 2,3647 1,5647	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194 13,274 70 67 2,321 2,103 146 106 6,508 4,463 252 185 19,861	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 772 84 1,993 3,382 89 92 28,794 20,965 1,91 165 43,293 34,849	44 77 3,539 9,221 3,43 8,657 9 34 96 564 11 201 401 20 27 4,746 7,662 3 3 3 3 3 8,657 9 96 564 11	129 187 6,167 10,886 8 8 121 2,721 5,247 69 145 3,446 5,639 145 36 613 35 29 30 248 303 49 901 1,155
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118 1,705 33 48 2,870 4,711 23 15 697 417 38 32 1,036 1,085 5	62 72 23,425 22,156 63 23,105 21,941 13 17 320 215 4 7 113 164 36 39 11,756 13,787 52 54 23,647 15,641 18	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194 13,274 70 67 2,321 2,103 146 6,508 4,463 252 185 19,861 8,932 23 22	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 72 84 1,993 3,382 89 92 28,794 20,965 191 165 43,293 34,849 22 8	44 77 3,539 9,221 3,433 8,657 9 34 96 564 111 21 201 401 20 4,746 7,662 33 38 6,450 8,339 2 5	129 187 6.167 10.886 88 121 2.721 5.247 69 145 3.446 5.639 18 36 613 562 29 30 248 303 49 54 901 1,155 5
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118 1,705 33 48 2,870 4,711 23 15 697 417 38 32 1,085 1,085 1,085	62 72 23,425 22,156 5 63 23,105 21,941 13 17 320 215 4 7 113 164 36 39 11,756 13,787 52 54 23,647 15,641 18 12 9,696 4,940	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194 13,274 70 67 2,321 2,103 146 106 6,508 4,463 252 185 19,861 8,932 23 22 23 29 399 444	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 72 84 1,993 3,382 89 92 28,794 20,965 191 165 43,293 34,849 22 8 3,939 1,587	44 77 3.539 9.221 3.43 8.657 9 34 96 564 111 201 401 20 47 4,746 7.662 3.3 3.3 8.6,450 8.339 2 5 (D)	129 187 6,167 10,886 8 121 2,721 5,247 69 145 3,446 5,639 188 36 613 562 29 30 248 303 49 54 901 1,155 5 - 10
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 42 71 1,921 3,827 39 45 2,118 1,705 33 34 48 2,870 4,711 23 15 697 417 38 23 15 697 417 38 49 47 47 47 47 47 47 47 47 47 47 47 47 47	62 72 23,425 22,156 5 23,105 21,941 13 17 320 215 4 4 7 7 113 164 39 11,756 13,787 52 23,647 15,641 18 12 9,696	430 458 35,661 32,723 338 355 21,467 19,449 13,274 70 67 2,321 2,103 146 106 6,508 4,463 252 185 19,861 8,932 23 22 399	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 77 7 2 84 1,993 3,382	44 77 3,539 9,221 3,749 3,443 8,657 9 34 96 564 11 21 201 401 20 27 4,746 7,662 33 38 6,450 8,339 2 5	129 187 6.167 10.886 88 121 2.721 5.247 69 145 3.446 5.639 18 36 613 562 29 30 248 303 49 54 901 1,155 5
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 71 1,921 3,827 39 45 2,118 1,705 33 48 2,870 4,711 23 15 697 4,711 38 38 32 1,036 1,085 5 5 4 (D)	62 72 23,425 22,156 63 23,105 21,941 13 17 320 215 4 7 7 113 164 36 39 11,756 13,787 52 54 23,647 15,641 18 12 9,696 4,940	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194 13,274 70 67 2,321 2,103 146 106 6,508 4,463 4,463 252 185 19,861 8,932 23 23 39 444 36 28 1,437 640	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 72 84 1,993 3,382 89 92 28,794 20,965 43,293 34,849 22 22 8 3,939 1,587 41 25 12,223 4,045	44 777 3,539 9,221 49 3,443 8,657 94 401 201 201 401 401 20 27 4,746 7,662 33 33 8,450 8,339 2 2 5 (D) (D)	129 187 6,167 10,886 88 121 2,721 5,247 69 145 3,446 5,639 613 562 29 30 248 303 349 541 911 1,155 5 5 10 10 10 10 53 104
Commercial fertilizer, lime, and soil conditioners	67 100 4,039 5,532 42 42 71 1,921 3,827 39 45 2,118 1,705 33 34 48 2,870 4,711 23 15 697 417 38 32 1,036 1,085 5 4 (D)	62 72 23,425 22,156 5 23,105 21,941 13 17 320 215 4 4 4 7 7 113 164 39 11,756 13,787 52 54 23,647 15,647 15,647 15,647	430 458 35,661 32,723 338 355 21,467 19,449 233 245 14,194 13,274 7 67 2,321 2,103 146 106 6,508 4,463 252 19,861 8,932 23 22 399 444	269 328 42,477 47,149 208 225 39,624 40,683 105 165 2,853 6,466 7.7 2 84 1,993 3,382 89 92 28,794 20,965 191 165 43,293 34,499 22 8 8 3,939 1,587	44 77 3,539 9,221 3,43 3,443 8,657 9 34 496 564 11 21 20 27 4,746 7,662 33 38 6,450 8,339 2 5 (D) (D)	129 187 6,167 10,886 88 121 2,721 5,247 69 145 3,446 5,639 145 36 613 562 29 30 248 303 49 901 1,155 5

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

[For meaning of abbreviations and symbols, see introductory text.]	Highland	Isle of Wight	James City	King and Queen	King George	King William
Commercial fertilizer, lime, and soil	i iigiiiaiiu	iolo oi vvigiti	ournes ony	. ung and Queen	Tung Deolge	17112 1411110111
conditioners	50	107	40	50	54	68
	70	131	44	100	92	78
	3,457	36,112	2,210	24,075	4,888	17,779
	4,505	45,974	2,220	26,513	9,539	22,225
Cropland fertilized, except cropland pasturefarms, 2012	35	94	32	41	45	51
2007	36	104	25	79	76	60
acres treated, 2012	1,181	35,571	2,105	23,828	4,134	17,225
Pastureland and rangeland fertilizedfarms, 2012 2007 2007 acres treated, 2012	1,609	44,225	1,886	25,967	8,418	21,500
	32	27	14	13	14	24
	44	49	23	33	30	27
	2,276	541	105	247	754	554
2007	2,896	1,749	334	546	1,121	725
Manurefarms, 2012	63	14	18	12	21	21
2007	70	24	15	15	18	14
acres treated, 2012	2,666	480	216	228	326	1,219
2007	3,721	679	55	534	670	530
Acres treated to control- Insects	8	72	18	32	24	37
2007	9	70	12	42	18	29
acres, 2012	103	26,909	(D)	13,144	2,053	13,307
2007	115	33,220	1,538	13,727	3,280	9,967
Weeds, grass, or brushfarms, 2012	58	99	32	49	46	57
2007	42	81	23	82	36	42
acres, 2012	2,960	44,192	1,773	27,475	4,649	23,013
2007	1,583	33,751	1,545	25,827	5,506	19,258
Nematodes farms, 2012	1	22	(D)	5	5	9
2007	1	25		1	1	4
acres, 2012	(D)	8,785		3,221	(D)	4,173
Diseases in crops and orchardsfarms, 2012	(D) 5	10,329 29 11	- 6 6	(D) 9 12	(D) 11 7	(D)
2007 acres, 2012 2007	36	10,320 1,591	(D) 71	4,680 1,507	410 (D)	5 3,647 (D)
Chemicals used to control growth, thin fruit, ripen, or defoliate	3	30 29	1	1	6	5 2
acres on which used, 2012	20	13,775	(D)	(D)	372	2,191
2007		11,535	-	-	-	(D)
Item	Lancaster	Lee	Loudoun	Louisa	Lunenburg	Madison
Commercial fertilizer, lime, and soil conditioners	34 42 6,554 8,634 31 33	426 579 14,910 25,972 328 475	384 427 23,944 33,109 211 256	207 234 13,067 17,625 161 177	140 176 13,066 16,947 83 134 8,086	231 258 26,109 30,641 168 198
Pastureland and rangeland fertilizedfarms, 2012 2007 acres treated, 2012 2007 2007 2007 2007 2007	6,384 8,461 7 11 170 173	8,220 13,915 208 310 6,690 12,057	18,458 24,796 228 210 5,486 8,313	9,330 11,577 97 120 3,737 6,048	9,643 70 101 4,980 7,304	18,198 20,988 125 153 7,911 9,653
Manure	2	85	183	82	28	77
	9	115	203	79	30	81
	(D)	1,296	5,028	3,525	2,466	5,507
	677	1,744	5,414	2,548	1,631	5,893
Acres treated to control Insects	19	51	139	47	47	64
	27	64	113	31	39	44
	5,635	1,114	19,644	1,345	4,765	9,642
2007	5,613	1,363	6,637	1,705	2,870	7,459
Weeds, grass, or brushfarms, 2012	33	260	297	110	82	111
2007	33	246	247	94	57	116
acres, 2012	6,409	5,971	28,886	10,223	9,383	14,248
2007	8,970	5,670	17,681	5,732	3,260	16,309
Nematodesfarms, 2012	6	9	11	9	10	12
2007	6	3	12	-	9	9
acres, 2012 2007 Diseases in crops and orchardsfarms, 2012	548	57	578	359	1,034	2,551
	123	15	77	-	309	3,023
	7	22	64	18	10	30
2007	12	12	53	5	4	19
acres, 2012	(D)	148	1,478	215	(D)	3,434
2007	2,478	386	733	(D)	24	1,418
Chemicals used to control growth, thin fruit, ripen, or defoliate	6	12 12	21 26	4 5	15 12	11 2

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

[For meaning of abbreviations and symbols, see introductory text.]	Mathews	Mecklenburg	Middlesex	Montgomery	Nelson	New Kent
Commercial fertilizer, lime, and soil	Matriews	Weckleriburg	MiddleSex	workgomery	Neison	New Kent
conditioners	26 32 1,963	273 335 31,451	38 44 11,260	282 288 20,168	155 186 9,727	54 82 7,251
2007	2,683	46,838	12,422	20,019	12,039	11,464
Cropland fertilized, except cropland pasturefarms, 2012	23 27	212 257	30 43	208 217	122 140	43 37
acres treated, 2012 2007	1,895 2,510	22,864 30,276	10,802 11,985	14,216 12,449	7,006 8,220	6,904 10,537
Pastureland and rangeland fertilizedfarms, 2012	4 9	152 207	16 11	134 145	62 79	20 55
acres treated, 2012	68	8,587	458	5,952	2,721	347
2007 Manurefarms, 2012	173 6	16,562 39	437 7	7,570 69	3,819 65	927 18
2007 acres treated, 2012 2007	7 29 (D)	61 1,846 2,696	6 655 167	78 3,408 2,698	38 2,473 1,701	38 128 483
Acres treated to control						
Insects	11 7	85 76	15 19	40 32	49 44	18 13
acres, 2012 2007	1,347 1,004	8,338 7,335	8,490 8,392	2,931 2,058	2,832 1,832	5,587 6,826
Weeds, grass, or brushfarms, 2012	17	162	31	157	81	45
2007 acres, 2012	17 2,624	122 22,429	38 12,575	132 10,901	86 3,826	41 8,501
2007 Nematodesfarms, 2012	2,490 1	12,500 21	11,726 7	6,133 3	3,309 6	9,534 4
2007 acres, 2012	(D)	27 1,794	3 1,696	2 (D)	211	2
2007	(D) -	2,011	225	(D)	-	(D) (D)
Diseases in crops and orchardsfarms, 2012	2	24	7	13	31	4
2007 acres, 2012	2 (D)	11 696	9 2,734	11 1,191	29 858	5 481
2007	(D)	616	1,478	(D)	1,280	131
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012	_	26	1	1	18	4
2007 acres on which used, 2012	1	11 2,174	2 (D)	2 (D)	7 964	- 51
2007	(D)	570	(D) (D)	(D) (D)	470	-
Item	Northampton	Northumberland	Nottoway	Orange	Page	Patrick
Commercial fertilizer, lime, and soil conditionersfarms, 2012	80	60	145	182	169	301
2007 acres treated, 2012	90 35,201	80 29,625	194 14,379	209 21,167	160 13,890	393 17.983
2007	51,704	30,991	15,487	29,195	13,945	21,977
Cropland fertilized, except cropland pasturefarms, 2012 2007	80 90	57 78	104 127	121 154	129 126	230 276
acres treated, 2012 2007	35,201 51,690	29,458 30,905	10,865 8,994	17,683 20,173	11,245 10,486	9,495 11,853
Pastureland and rangeland fertilizedfarms, 2012 2007	4	8 7	82 128	91 108	77 67	191 261
acres treated, 2012	-	167	3,514	3,484	2,645	8,488
2007 Manurefarms, 2012	14 8	86 5	6,493 54	9,022 78	3,459 163	10,124 68
2007 acres treated, 2012	8 907	15 (D)	60 4,637	82 6,519	179 13,236	47 2,032
2007	641	1,501	2,777	5,490	15,339	1,652
Acres treated to control	70	50	00	40	40	00
Insects	70 66	53 58	32 32	48 56	49 47	66 65
acres, 2012	29,860	26,379	3,852 926	9,486 6,056	2,301 4,803	1,799 3,769
2007		24,990	320			440
Weeds, grass, or brushfarms, 2012	25,165 82	24,990 67 73	89	108	180 130	149 116
2007 Weeds, grass, or brushfarms, 2012 2007 acres, 2012	25,165 82 80 39,649	67 73 32,355	89 77 10,034	86 16,467	130 13,871	116 6,803
2007 Weeds, grass, or brushfarms, 2012 2007	25,165 82 80	67 73	89 77	86 16,467 13,032 10	130	116 6,803 4,531 3
Weeds, grass, or brush	25,165 82 80 39,649 46,869 15	67 73 32,355 32,221 6 5	89 77 10,034 3,486 2 1	86 16,467 13,032 10 17	130 13,871 10,756 3 2	116 6,803 4,531 3 7
2007 Weeds, grass, or brush farms, 2012 2007 acres, 2012 2007 Nematodes farms, 2012	25,165 82 80 39,649 46,869 15	67 73 32,355 32,221 6	89 77 10,034 3,486 2	86 16,467 13,032 10	130 13,871 10,756 3	116 6,803 4,531 3
2007 Weeds, grass, or brush farms, 2012 2007 acres, 2012 2007 Nematodes farms, 2012 2007 acres, 2012 2007 Diseases in crops and orchards farms, 2012	25,165 82 80 39,649 46,869 15 6 3,961 927	67 73 32,355 32,221 6 5 2,916 1,290	89 777 10,034 3,486 2 1 (D) (D)	86 16,467 13,032 10 17 552 544	130 13,871 10,756 3 2 (D) (D)	116 6,803 4,531 3 7 160 231
2007 Weeds, grass, or brush	25,165 82 80 39,649 46,869 15 6 3,961 927 32 39	67 73 32,355 32,221 6 5 2,916 1,290 23 18 9,210	89 77 10,034 3,486 2 1 (D) (D) 6 4 4 13	86 16,467 13,032 10 17 552 544 22 18 1,178	130 13,871 10,756 3 2 (D) (D) 13 2 111	116 6,803 4,531 3 7 160 231 31 28 355
2007 Weeds, grass, or brush 2012 2007 acres, 2012 2007 Nematodes farms, 2012 2007 acres, 2012 2007 Diseases in crops and orchards farms, 2012 2007	25,165 82 80 39,649 46,865 6 3,961 927 32 32	67 73 32,355 32,221 6 6 5 2,916 1,290 23	89 77 10,034 3,486 2 1 (D) (D)	86 16,467 13,032 10 17 552 544 22	130 13,871 10,756 3 2 (D) (D)	116 6,803 4,531 3 7 160 231 31 28
2007 Weeds, grass, or brush	25,165 82 80 39,649 46,869 15 6 3,961 927 32 39 14,901 12,155	67 73 32,355 32,221 6 6 5 2,916 1,290 23 18 9,210 6,362	89 77 10,034 3,486 2 2 1 (D) (D) 6 4 13 17	86 16,467 13,032 10 17 552 544 22 18 1,178	130 13,871 10,756 3 2 (D) (D) 13 2 111 (D)	116 6,803 4,531 3 7 160 231 31 28 355 931
2007 Weeds, grass, or brush	25,165 82 80 39,649 46,869 15 6 3,961 927 32 39 14,901 12,155	67 73 32,355 32,221 6 5 2,916 1,290 23 18 9,210 6,362	89 77 10,034 3,486 2 1 (D) (D) 6 4 4 13 17	86 16,467 13,032 10 17 552 544 22 18 1,178 1,320	130 13,871 10,756 3 2 (D) (D) (D)	116 6,803 4,531 3 7 160 231 31 28 355 931
2007 Weeds, grass, or brush 2007 farms, 2012 2007 Acres, 2012 2007 Rematodes 2007 acres, 2012 2007 acres, 2012 2007 2007 Diseases in crops and orchards 2012 2007	25,165 82 80 39,649 46,869 15 6 3,961 927 32 39 14,901 12,155	67 73 32,355 32,221 6 6 5 2,916 1,290 23 18 9,210 6,362	89 77 10,034 3,486 2 1 (D) (D) 6 4 13 17	86 16,467 13,032 10 17 552 544 22 18 1,178 1,320	130 13,871 10,756 3 2 (D) (D) 13 2 111 (D)	116 6,803 4,531 3 7 160 231 31 28 355 931

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

[For meaning of abbreviations and symbols, see introductory text.]	Pittsylvania	Powhatan	Prince Edward	Prince George	Prince William	Pulaski
Commercial fertilizer, lime, and soil	riusyivalila	rownalan	rinice Edward	rinice deorge	FIIIICE WIIIIdIII	r uid5N
conditioners	721 804 76,911 71,953	73 97 5,186 5,330	140 179 13,590 16,473	71 89 13,886 16,964	122 130 11,352 10,698	174 176 23,912 14,149
Cropland fertilized, except cropland pasturefarms, 2012 2007 acres treated, 2012	516 574 47,838 40,446	44 45 4,520	90 132 7,167	58 68 13,389	80 87 9,821	128 134 10,118
Pastureland and rangeland fertilizedfarms, 2012 2007 2007 acres treated, 2012	40,446 428 500 29,073	3,552 36 62 666	7,943 90 113 6,423	16,347 24 34 497	8,878 61 63 1,531	8,831 88 92 13,794
2007 Manure	31,507 128 128 10,655 9,994	1,778 54 44 1,920 1,566	8,530 44 53 3,030 2,499	617 8 14 24 249	1,820 65 53 2,326 1,269	5,318 28 28 1,593 2,613
Acres treated to control Insects	207	7	2,499	30	43	2,013
2007 acres, 2012 2007	190 16,534 11,913	18 38 668	37 1,734 1,119	34 7,028 8,222	29 3,703 1,232	12 1,635 1,335
Weeds, grass, or brush	360 268 37,946	56 38 4,943	63 67 3,523	70 63 14,227	92 53 7,646	84 89 5,267
2007 Nematodesfarms, 2012 2007 acres, 2012	18,684 29 27 1,650	2,442 6 - 16	3,902 2 1 (D)	14,480 10 10 892	6,347 - 1	4,739 1 - (D)
2007 Diseases in crops and orchards	2,554 50	8	(D) 4	1,622 8	(D) 9	6
2007 acres, 2012 2007	27 1,957 473	6 20 7	7 (D) 39	5 624 1,030	16 259 89	6 (D) 194
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012 2007 acres on which used, 2012	46 32 2,691	2 3 (D)	1 3 (D)	2 - (D)	7 4 42	3 2 26
2007	2,063	3	22	(D) -	(D)	(D)
					` '	
Item	Rappahannock	Richmond	Roanoke	Rockbridge	Rockingham	Russell
Item Commercial fertilizer, lime, and soil conditioners	98	58	Roanoke 100	286	805	433
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 114	58 88 18,094 23,307 53 73	100 152 2,421 4,311 77 95	286 331 21,300 26,491 225 244	805 787 69,193 73,018 686 655	433 525 20,404 21,235 357 420
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74	58 88 18,094 23,307 53	100 152 2,421 4,311 77	286 331 21,300 26,491 225	805 787 69,193 73,018 686	433 525 20,404 21,235 357
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 114 2,997 5,858 31 53	58 88 18,094 23,307 53 73 17,691 22,588 13	100 152 2,421 4,311 77 95 1,820 2,456 37 86	286 331 21,300 26,491 225 244 14,078 14,569 116	805 787 69,193 73,018 686 655 56,270 58,787 287 317	433 525 20,404 21,235 357 420 10,740 11,739 157 205
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 114 2,997 5,858 31 53 1,466 3,121 41 37 1,106 1,706	58 88 18,094 23,307 53 73 17,691 22,588 13 29 403 71 16 299 441	100 152 2,421 4,311 7 95 1,820 2,456 37 86 601 1,855 14 34 238 569	286 331 21,300 26,491 225 244 14,078 116 172 7,222 11,922 11,922 9,421	805 787 69,193 73,018 686 655 56,270 58,787 287 317 12,923 14,231 753 779 61,599 60,275	433 525 20,404 21,235 357 420 10,740 11,739 157 205 9,664 9,496 71 79 2,062 1,882
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 114 2,997 5,858 31,466 3,121 41 37 1,106 1,706	58 88 18,094 23,307 53 73 17,691 22,588 9 403 719 7 16 299 441 34 44 11,489 12,904 59	100 152 2,421 4,311 777 95 1,820 2,456 601 1,855 114 34 238 569	286 331 21,300 26,491 225 244 14,078 14,569 172 7,222 11,922 159 9,220 9,421 53 33 33 2,488 2,274 215	805 787 69,193 73,018 686 655 56,270 58,787 287 317 12,923 14,231 753 779 61,599 60,275	433 525 20,404 21,235 357 420 10,740 11,739 9,664 9,496 7,11 79 2,062 1,882 23 44 457 3,546 261
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 114 2,997 5,858 31 53 1,466 3,121 41 37 1,106 1,706 47 39 496 1,129 74 78 3,356 2,766 4 7	58 88 18,094 23,307 53 73 17,691 22,588 29 403 71 16 299 299 441 34 44 11,489 12,904 59 62 20,170 19,656 1	100 152 2,421 4,311 7 77 95 1,820 2,456 37 86 601 1,855 14 34 238 569 34 40 308 474 46 67 819 1,312	286 331 21,300 26,491 225 244 14,078 14,569 116 172 7,222 11,922 11,922 15,92 9,421 53 33 2,488 2,274 215 200 12,572 9,431 4	805 787 69,193 73,018 686 655 56,270 58,787 287 317 12,923 14,231 753 779 61,599 60,275 360 327 24,589 29,428 770 673 62,297 55,682 38	433 525 20,404 21,235 357 420 10,740 11,739 157 205 9,664 9,496 71 79 2,062 1,882 23 44 457 3,546 261 242 13,619 9,690 3
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 114 2,997 5,858 31 53 1,466 3,121 41 37 1,106 1,706 47 39 496 1,129 74 74 78 3,356 2,766 4 7 7 49 352	58 88 18,094 23,307 53 73 17,691 22,588 13 29 403 719 7 16 299 441 34 44 11,489 12,904 59 62 20,170 19,656	100 152 2,421 4,311 777 77 95 1,820 2,456 601 1,855 14 34 238 569 34 40 308 477 46 667 819 1,312	286 331 21,300 26,491 225 244 14,078 114,569 116 172 7,222 11,922 159 9,220 9,421 53 33 2,488 2,274 215 200 12,572 9,431 4 2 (D) (D)	805 787 69,193 73,018 686 655 56,270 58,787 287 317 12,923 14,231 753 779 61,599 60,275 360 327 24,589 29,428 770 673 62,592 38 37 31,147 31,108	433 525 20,404 21,235 357 420 10,740 11,739 1,57 205 9,664 9,496 7,1 7,79 2,062 1,882 23 44 457 3,546 261 242 13,619 9,669 9,669 0,000 1,0
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 41 2,997 5,858 31 53 31,466 3,121 41 11 37 1,106 1,706 47 39 496 61,129 74 47 33,356 2,766 2,766 47	58 88 18,094 23,307 53 17,691 22,588 29 403 77 16 299 441 34 44 11,489 12,904 59 62 20,170 19,656 1 6 (D)	100 152 2,421 4,311 777 95 1,820 2,456 601 1,855 1,855 1,855 34 40 308 308 474 46 67 819 1,312 5 5	286 331 21,300 26,491 225 244 14,078 14,569 172 7,222 11,922 159 9,220 9,421 53 33 2,488 2,274 215 52 53 63 64 64 64 64 64 64 64 64 64 64 64 64 64	805 787 69,193 73,018 686 685 56,270 58,787 287 317 12,923 14,231 753 379 61,599 60,275 360 327 24,589 29,428 770 673 62,297 55,682 38 37	433 525 20,404 21,235 357 420 10,740 11,739 9,664 9,496 7,7 1,7 9,2062 1,882 23 44 457 3,546 261 242 13,619 9,690 3 3 3
Commercial fertilizer, lime, and soil conditioners	98 143 4,463 8,979 74 41 2,997 5,858 31 53 31,466 3,121 41 11 37 1,106 1,706 1,706 1,706 2,766 2,766 2,766 2,766 4,7 7 4,9 7 4,9 7 4,9 7 4,9 7 4,9 7 4,9 7 7 4,9 7 7 4,9 7 7 8 9,356 2,766	58 88 18,094 23,307 53 17,691 22,588 13 29 403 77 16 299 441 34 411,489 12,904 59 62 20,170 19,656 (D) 2,124	100 152 2,421 4,311 777 95 1,820 2,456 601 1,855 14 44 238 569 34 400 308 37 86 601 1,855 11,	286 331 21,300 26,491 225 244 14,078 11,4,569 1,72 7,222 11,922 152 159 9,220 9,421 53 33 3,3 2,488 2,274 215 200 12,572 9,421 (D) (D)	805 787 69,193 73,018 6886 685 56,270 58,787 287 317 12,923 14,231 753 379 61,599 60,275 360 327 24,589 29,428 770 673 62,297 55,682 38 37 31,147 3,108	433 525 20,404 21,235 357 420 10,740 11,739 11,739 9,664 9,496 7,7 7,7 9 2,062 1,882 23 44 457 3,546 261 242 13,619 9,690 3 3 3 3 26 (D)

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

Commercial millare, time, and soil controct- commercial millare, t	[For meaning of abbreviations and symbols, see introductory text.]	Scott	Shenandoah	Smyth	Southampton	Spotsylvania	Stafford
Conditioners				,	ampton		
acces tensied, 2012 16,342 29,162 29,277 50,628 19,576 3,787 Coppland fertilized, except cropand pastum							
Copland fertilized, except cropland pasture							
### Pasture in the control of the co							
### Acros trends. 2017 10-2016 24-488 14-970 73-986 8-811 9-0048 9-004			315	284	177	104	56
Pastureland and rangeland terilized (acres 1 12.56 23.621 11.550 77.108 13.853 5.691 79.007 79.00							
Acres treated 2007 11,728 74,741 87,725 1,936 81 82 92 92 93 94 93 94 94 94 94 94	2007	12,516	23,621	11,550	72,108	13,853	5,601
### Secret restands, 2017 6,007 9,101 11,002 1,943 1,940 7,77 1,000 1,							
Meanure		6,097	6,101		1,843		727
acros treated 2007 acros 2012 acros 2							
Access treated 2012							
Aces a traded to control— Insects	acres treated, 2012	1,922	16,045	3,379	700	4,251	520
Insects		,	-,	, -	,	,-	
Access of brush Access A	Insectsfarms, 2012						
Veeds, grass, or brush							
Section Sect	2007	1,230	10,260	1,748	57,109	860	342
Americal Street							43
Nematodes							
Acres Commercial fertilized, scoept cropland pasture Acres treated Corp	2007	6,463	20,889	10,116	67,387	5,463	3,849
Acres Control Contro							
Diseases in crops and orchards larms, 2017 18	acres, 2012	320	324	(D)	21,873	(D)	34
Acres treated, 2012 21,838 27,658 14,805 44,36 23,311 24,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 24,302 32,007 32,0		` '		` '			, ,
Acres 2012 322 1,560 D 17,728 273 4.0							6
Chemicals used to control growth, thin fruit, npen, or defoliate							
sipen, or defoliate	2007	102	(D)	66	8,085	64	(D)
Acres from which used, 2017 498	Chemicals used to control growth, thin fruit,					_	_
Acres treated to control						5	
Sury Sussex Tazewell Warren Washington Westmoreland		408	(D)	(D)	34,093	73	15
Commercial fertilizer, lime, and soil conditioners are streamed, 2012 2 73 80 90 255 128 756 113 acres treamed, 2012 2 1.888 32,688 14,805 4,136 32,331 31,525 2007 24,588 33,501 13,354 5,685 36,273 41,154 65 66 63 469 97 65 68 185 83 559 108 62 60 60 63 469 97 60 85 185 83 559 108 60 60 63 469 97 60 80 85 185 83 559 108 60 60 60 60 60 60 60 60 60 60 60 60 60			` '		,	-	
conditioners		Surry	Sussex	Tazewell	Warren	Washington	Westmoreland
Acres treated to control- Insects							_
Cropland fertilized, except cropland pasture		73	68	226	94	616	103
Cropland fertilized, except cropland pasturefarms, 2012	conditionersfarms, 2012						
Company	conditioners	80 21,688	90 27,658	255 14,805	128 4,136	756 32,331	111 31,525
Pastureland and rangeland fertilized farms, 2012 2,4302 32,310 8,581 3,253 22,000 40,177 and 2007 15 17 123 62 399 12 2007 256 5,007 1,291 12,607 525 256 5,007 1,291 12,607 525 256 5,007 1,291 12,607 525 256 5,007 1,291 12,607 525 256 5,007 1,291 12,607 525 256 5,007 1,291 12,607 525 256 5,007 1,291 12,607 525 256 5,007 1,291 12,607 525 14 2007 11 11 11 50 5 51 180 155 14 2007 117 (D) 1,791 1,976 5,343 899 2007 2007 117 (D) 1,791 1,976 5,343 899 2007 2007 117 (D) 1,791 1,976 5,343 899 2007 2007 36 49 14 19 110 68 2007 16,864 18,656 163 730 4,469 24,704 2007 16,864 18,656 163 730 4,469 24,704 2007 58 60 123 60 404 96 24,704 2007 58 60 123 60 404 96 24,704 2007 58 60 123 60 404 96 24,704 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 2,958 12,925 38,597 2007 20,606 29,711 4,839 2,958 2,958 2,958 31,925 38,597 2007 20,606 29,711 4,839 2,958 2,958 2,958 31,925 38,597 2007 20,606 29,711 4,839 2,958 2,958 31,925 38,597 2007 20,606 29,711 4,839 2,958 31,925 38,597 2007 20,606 29,711 4,839 2,958 31,925 38,597 2007 20,606 29,711 4,839 2,958 31,925 38,597 2007 20,606 29,711 4,102 2 2 2 6,604 20,707 2,771 4,102 2 2 6,604 20,707 2,771 4,102 2 2 6,604 20,707 2,771 4,102 2 2 6,604 20,707 2,771 4,102 2 2 6,604 20,707 2,771 2,7	conditionersfarms, 2012 2007 acres treated, 2012 2007	80 21,688 24,588	90 27,658 33,501	255 14,805 13,354	128 4,136 5,685	756 32,331 36,273	111 31,525 41,154
Pastureland and rangeland fertilized	conditionersfarms, 2012 2007 acres treated, 2012 2007 Cropland fertilized, except cropland pasturefarms, 2012 2007	80 21,688 24,588 65 69	90 27,658 33,501 63 85	255 14,805 13,354 160 185	128 4,136 5,685 63 83	756 32,331 36,273 469 559	111 31,525 41,154 97 108
Acres treated, 2012 355 258 5,077 1,291 12,607 525 2007 266 1,191 4,773 2,432 14,273 977 1,291 2,607 1,291 2,607 1,291 2,607 1,291 2,607 1,291 2,607 1,291 2,607 1,291 2,607 1,291 2,607 1,291 2,607 1,291 2,516 1,508 3,436 3,755 2,516 5,068 3,436 3,608 3,436 3,755 3,2516 3,438 3,999 3,448	conditioners	80 21,688 24,588 65 69 21,333	90 27,658 33,501 63 85 27,400	255 14,805 13,354 160 185 9,728	128 4,136 5,685 63 83 2,845	756 32,331 36,273 469 559 19,724	111 31,525 41,154 97 108 31,000
Manure	conditioners	80 21,688 24,588 65 69 21,333 24,302	90 27,658 33,501 63 85 27,400 32,310 8	255 14,805 13,354 160 185 9,728 8,581 115	128 4,136 5,685 63 83 2,845 3,253 37	756 32,331 36,273 469 559 19,724 22,000 303	111 31,525 41,154 97 108 31,000 40,177
Manure farms, 2012 19 6 40 50 155 14	conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15	90 27,658 33,501 63 85 27,400 32,310 8	255 14,805 13,354 160 185 9,728 8,581 115	128 4,136 5,685 63 83 2,845 3,253 37 62	756 32,331 36,273 469 559 19,724 22,000 303 399	111 31,525 41,154 97 108 31,000 40,177 15
Acres treated, 2012 2007 117 (D) 1,791 1,976 5,343 899 Acres treated to control— Insects 2007 207 36 49 14 19 110 68 2007 36 49 14 19 110 68 2007 16,864 18,656 163 730 4,469 24,704 Weeds, grass, or brush 42012 29,845 19,212 310 108 2,971 25,642 Weeds, grass, or brush 2012 74 65 146 65 384 104 2007 58 60 123 60 404 96 2007 20,666 29,711 4,839 2,958 12,925 38,597 Nematodes 42012 29,864 29,463 7,270 1,408 19,068 33,342 2007 20,666 29,711 4,839 2,958 12,925 38,597 Nematodes 42012 29,33 6,015 12 - 9 14 2007 15 16 6 - 9 9 14 2007 2,771 4,102 - 535 1,1110 Diseases in crops and orchards 42012 19 18 6 12 48 43 2007 13 19 - 6 37 26 2007 16,639 5,744 - (D) 369 7,370 Chemicals used to control growth, thin fruit, ripen, or defoliate 46 2007 1,500 3,848 12 62 237 11,1118 Chemicals used to control growth, thin fruit, ripen, or defoliate 47 1,908 2,127 (D) 12 88 276	conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15 5 355	90 27,658 33,501 63 85 27,400 32,310 8 17 258	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607	111 31,525 41,154 97 108 31,000 40,177 15 12
Acres treated to control Insects	Conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15 355 286	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14
Insects farms, 2012	Conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15 3355 286 19	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40	128 4,136 5,685 63 83 2,845 3,253 62 1,291 2,432 50	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155	111 31,525 41,154 97 108 31,000 40,177 115 12 525 977 14
Insects farms, 2012	conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15 355 286 19 11	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 11	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 1,2,516	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,088	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 15
Acres, 2012 20,845 19,212 310 108 2,971 25,642 2007 16,864 18,656 163 730 4,469 24,704 2007 58 60 123 60 404 96 60 60 60 60 60 60 60	conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15 355 286 19 11	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 11	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 1,2,516	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,088	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 15
Needs, grass, or brush 16,864 18,656 163 730 4,469 24,704 65 146 65 384 104 104 104 104 104 104 104 104 104 104 105	Conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15 3355 286 19 11 391 117	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D)	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,088 5,343	111 31,525 41,154 97 108 31,000 40,177 115 12 525 977 14 15 436 899
2007 58 60 123 60 404 96 2007 20,606 29,463 7,270 1,408 19,068 33,348 2007 20,606 29,711 4,839 2,958 12,925 38,597 Nematodes	Conditioners	80 21,688 24,588 65 69 21,333 24,302 20 15 355 2266 19 11 391 117	90 27,658 33,501 63 85 27,400 32,310 8 8 17 258 1,191 6 11 61 (D)	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 4,773 1,791	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 14,273 155 1850 5,068 5,343	111 31,525 41,154 97 108 31,000 40,177 15 525 977 14 15 436 899
Acres, 2012 29,664 29,463 7,270 1,408 19,068 33,342 2,971 4,839 2,958 12,925 38,597 207 20,606 29,711 4,839 2,958 12,925 38,597 207 15 23 6 - 9 14 2007 15 16 - 9 14 2007 20,711 4,102 - 2,933 6,015 12 - 2,666 551 2007 2,771 4,102 - 2,666 551 2,007 13 19 18 6 12 48 43 2,007 13 19 - 6 6 37 26 2,012 2,012 2,014 2,015 2,0	conditioners	80 21,688 65 69 21,333 24,302 20 15 3355 286 19 11 391 117 51 36 20,845	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 6 11 61 (D)	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 436 899
Nematodes	Conditioners	80 21,688 24,588 65 69 921,333 24,302 20 15 355 2266 19 11 391 117 51 36 20,845 16,864 74	90 27,658 33,501 63 85 27,400 32,310 8 8 1,191 6 11 61 (D) 47 49 19,212 18,656 65	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 1,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 1850 5,088 5,343	111 31,525 41,154 97 108 31,000 40,177 15 525 977 14 15 436 899 68 25,642 24,704
10 10 10 10 10 10 10 10	Conditioners	80 21,688 65 69 21,333 24,302 15 3355 286 19 11 391 117 51 36 20,845 16,864 74	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 (D) 47 49 19,212 18,656 65	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791 23 14 310 163 146 123	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343	111 31,525 41,154 97 108 31,000 40,177 112 525 525 977 14 15 436 899 68 25,642 24,704 104
Acres, 2012 2,933 6,015 12 - 286 551	Conditioners	80 21,688 65 69 21,333 24,302 20 15 3355 286 19 11 391 117 51 36 20,845 16,864 7 4 4 58 29,664 20,606	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D) 47 49 19,212 18,656 65 65 60 29,463 29,711	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791 23 14 310 163 146 123 7,270 4,839	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 4 15 436 899 68 68 25,642 24,704 104 96 33,342 38,597
Diseases in crops and orchards	Conditioners	80 21,688 65 69 21,333 24,302 15 3355 286 19 11 391 117 51 36 20,845 16,864 74 58 29,664 20,606	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D) 47 49 19,212 18,656 65 60 29,463 29,711	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791 23 14 310 163 146 123 7,270 4,839	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343	111 31,525 41,154 97 108 31,000 40,177 12 525 977 14 15 436 899 69 68 25,642 24,704 104 933,342 38,597
2007 13 19 - 6 37 26 acres, 2012 10,550 3,848 12 62 237 10,118 2007 1,639 5,744 - (D) 369 7,370 Chemicals used to control growth, thin fruit, ripen, or defoliate	Conditioners	80 21,688 65 69 21,333 24,302 15 3355 286 19 11 391 117 51 36 20,845 16,864 74 58 29,664 20,606 15 15	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 (D) 47 49 19,212 18,656 65 60 29,463 29,711 23 16 6,015	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 4,773 4,773 1,791 23 114 310 163 146 123 7,270 4,839 6	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925 9 9 9 286	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 15 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14
Acres, 2012 2007 10,550 3,848 12 62 237 10,118 2007 1,639 5,744 - (D) 369 7,370 2007 2007 2007 2007 2007 2007 2007 2	Conditioners	80 21,688 65 69 21,333 24,302 15 3355 286 19 11 391 117 51 36 20,845 16,864 74 58 29,664 20,606 15 15	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 (D) 47 49 19,212 18,656 65 60 29,463 29,711 23 16 6,015	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 4,773 4,773 1,791 23 114 310 163 146 123 7,270 4,839 6	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925 9 9 9 286	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 15 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14
2007 1,639 5,744 - (D) 369 7,370 Chemicals used to control growth, thin fruit, ripen, or defoliate	Conditioners	80 21,688 65 69 21,333 24,302 2 15 3355 286 19 11 1391 117 51 36 20,845 16,864 74 58 29,664 20,606 15 15 15	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 161 (D) 47 49 19,212 18,656 65 60 29,463 29,711 213 16 6,015 4,102	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791 23 14 310 163 146 123 7,270 4,839 6	128 4,136 5,685 63 83 2,845 3,253 3,253 62 1,291 2,432 50 51 2,516 1,976 22 19 108 730 65 60 1,408 2,958	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925 9 9 9 286 535	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 15 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14 10 5551 1,110
ripen, or defoliate	Conditioners	80 21,688 65 69 21,333 24,302 20 15 355 286 19 11 391 117 51 36 20,845 16,864 74 4 58 29,664 20,606 15 2,933 2,771	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D) 47 49 19,212 18,656 60 29,463 29,711 23 16 6,015 4,102	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 4,773 4,773 1,791 23 114 310 163 146 123 7,270 4,839 6 - 12 - 6 6	128 4,136 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976 22 19 108 730 66 60 1,408 2,958 12 16	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925 9 9 286 535	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14 10
ripen, or defoliate	Conditioners	80 21,688 65 69 21,333 24,302 15 3355 286 19 11 391 117 51 36 20,845 16,864 74 58 29,664 20,606 15 15 2,933 2,771	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D) 47 49 19,212 18,656 65 60 29,463 29,711 23 16,015 4,102	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 4,773 4,773 1,791 23 114 310 163 146 123 7,270 4,839 6 - 12 - 6 6	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976 22 19 108 730 65 60 1,408 2,958	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925 535 48 37 237	111 31,525 41,154 97 108 31,000 40,177 15 12 525 5977 14 15 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14 100 551 1,110 43 26 10,118
acres on which used, 2012 1,540 4,721 120 51 30 225 2007 1,908 2,127 (D) 12 88 276	Conditioners	80 21,688 65 69 21,333 24,302 15 3355 286 19 11 391 117 51 36 20,845 16,864 74 58 29,664 20,606 15 15 2,933 2,771	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D) 47 49 19,212 18,656 65 60 29,463 29,711 23 16,015 4,102	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 4,773 4,773 1,791 23 114 310 163 146 123 7,270 4,839 6 - 12 - 6 6	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976 22 19 108 730 65 60 1,408 2,958	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925 535 48 37 237	111 31,525 41,154 97 108 31,000 40,177 15 12 525 5977 14 15 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14 100 551 1,110 43 26 10,118
2007 1,908 2,127 (D) 12 88 276	Conditioners	80 21,688 65 69 21,333 24,302 20 15 3355 286 19 11 117 51 36 20,845 16,864 74 74 58 29,664 20,606 15 2,933 2,771 19 13	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D) 47 49 19,212 18,656 60 29,463 29,711 23 16 6,015 4,102 18 19 3,848 5,744	255 14,805 13,354 160 160 9,728 8,581 115 123 5,077 4,773 4,773 4,773 1,791 23 114 310 163 146 123 7,270 4,839 6 - 12 - 12 - 5	128 4,136 5,685 63 83 2,845 3,253 3,7 62 1,291 2,432 50 51 2,516 1,976 22 19 108 730 65 60 1,408 2,958	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,088 5,343 106 110 2,971 4,469 384 404 19,068 12,925 9 9 286 535 48 37 237 369	111 31,525 41,154 97 108 31,000 40,177 15 12 525 977 14 15 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14 10 551 1,110 43 26 10,118 7,370
continued	Conditioners	80 21,688 65 69 21,333 24,302 20 15 3355 286 19 11 391 117 51 36 20,845 16,864 74 58 29,664 20,606 15 15 2,933 2,771 19 13 10,550 1,639	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 61 (D) 47 49 19,212 18,656 65 60 29,463 29,711 23 16 6,015 4,102	255 14,805 13,354 160 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791 23 14 310 163 146 123 7,270 4,839 6 12 12 12 12 12 12 15 16 17 17 18 18 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	128 4,136 5,685 63 83 2,845 3,253 37 62 1,291 2,432 50 51 2,516 1,976 22 19 108 730 65 60 1,408 2,958	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,068 5,343 106 110 2,971 4,469 384 404 19,068 12,925 6,5345 48 37 237 369	111 31,525 41,154 97 108 31,000 40,177 15 12 525 525 525 525 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14 10 551 1,110 43 26 10,118 7,370
	Conditioners	80 21,688 24,588 65 69 21,333 24,302 2 15 3355 286 19 11 1391 117 51 36 20,845 16,864 74 58 29,664 20,606 15 15 2,933 2,771 19 13 10,550 1,639	90 27,658 33,501 63 85 27,400 32,310 8 17 258 1,191 6 11 161 (D) 47 49 19,212 18,656 65 60 29,463 29,711 23 16 6,015 4,102 18 19 3,848 5,744	255 14,805 13,354 13,364 185 9,728 8,581 115 123 5,077 4,773 40 50 3,775 1,791 23 14 310 163 146 123 7,270 4,839 6 6 - 12 - 12 - 5 1 120	128 4,136 5,685 63 83 2,845 3,253 3,253 62 1,291 2,432 50 51 2,516 1,976 22 19 108 730 65 60 1,408 2,958	756 32,331 36,273 469 559 19,724 22,000 303 399 12,607 14,273 155 180 5,088 5,343 106 110 2,971 4,469 384 404 19,068 12,925 9 9 286 555 48 37 237 369	111 31,525 41,154 97 108 31,000 40,177 15 15 436 899 69 68 25,642 24,704 104 96 33,342 38,597 14 14 10 551 1,110 43 26 10,118 7,370

Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued) [For meaning of abbreviations and symbols, see introductory text.]

Item	Wise	Wythe	York	Chesapeake City	Suffolk	Virginia Beach City
Commercial fertilizer, lime, and soil conditioners	49 79	463 497	16 7	117 139	133 147	78 92
acres treated, 2012 2007 Cropland fertilized, except cropland pasture farms, 2012 2007	1,058 2,029 34 54	32,182 35,321 365 399	(D) 54 14 7	25,134 37,931 95 113	43,982 49,102 105 114	16,961 19,887 66 68
acres treated, 2012 2007 Pastureland and rangeland fertilizedfarms, 2012 2007	712 1,309 21 37	21,804 20,531 207 237	(D) 54 2	24,945 37,066 28 38	43,290 47,796 36 50	16,545 19,529 20 27
### acres treated, 2012 2007 Manure	346 720 17 24	10,378 14,790 101 120	(D) 10	189 865 38 53	692 1,306 39 29	416 358 22 27
acres treated, 2012 2007 Acres treated to control	279 470	4,930 4,613	82 -	582 1,270	864 894	1,003 258
Insects	15 11 110 97	70 60 3,837 3,640	5 4 30 34	70 57 21,010 15,527	90 100 30,709 39,586	49 57 16,773 13,941
Weeds, grass, or brushfarms, 2012 2007 acres, 2012 2007	34 32 620 431	274 261 12,866 9,322	16 3 143 (D)	116 96 33,654 29,037	136 123 46,780 42,922	72 67 20,128 18,245
Nematodes	(D)	14 3 578 62	1 (D)	9 9 3,528 (D)	23 29 11,647 11,016	14 1 2,300 (D)
Diseases in crops and orchardsfarms, 2012 2007 acres, 2012 2007	7 5 15 36	19 17 437 110	4 - 13 -	22 11 8,492 111	41 27 12,230 5,945	31 17 6,793 1,514
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2012 2007 acres on which used, 2012 2007	4 - 4 -	3 8 60 86	1 (D)	3 3 (D) (D)	36 24 14,575 8,519	1 8 (D) 1,095