

Table 40. Fertilizers and Chemicals Applied: 2022 and 2017

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

| Item | Virginia | Accomack | Albemarle | Alleghany | |
|--|-------------|-----------|-----------|-----------|-------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 15,405 | 91 | 276 | 39 |
| | 2017 | 19,007 | 93 | 303 | 69 |
| acres treated, 2022 | 1,732,635 | 44,798 | 16,469 | 1,119 | |
| | 2017 | 2,034,901 | 42,445 | 23,705 | 2,403 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 11,889 | 85 | 188 | 30 |
| | 2017 | 14,651 | 84 | 203 | 61 |
| acres treated, 2022 | 1,446,549 | 44,708 | 10,864 | 753 | |
| | 2017 | 1,619,288 | 42,154 | 16,172 | 1,816 |
| Pastureland and rangeland fertilized | farms, 2022 | 6,045 | 7 | 108 | 12 |
| | 2017 | 8,556 | 13 | 151 | 27 |
| acres treated, 2022 | 286,086 | 90 | 5,605 | 366 | |
| | 2017 | 415,613 | 291 | 7,533 | 587 |
| Manure | farms, 2022 | 5,537 | 37 | 115 | 24 |
| | 2017 | 6,505 | 26 | 128 | 16 |
| acres treated, 2022 | 291,053 | 10,713 | 2,508 | 656 | |
| | 2017 | 366,217 | 10,337 | 4,207 | 588 |
| Organic fertilizer | farms, 2022 | 1,012 | 3 | 29 | - |
| | 2017 | 1,151 | 6 | 21 | 4 |
| acres treated, 2022 | 39,759 | (D) | 543 | - | |
| | 2017 | 49,087 | 1,572 | 981 | 85 |
| Acres treated to control- Insects | farms, 2022 | 3,909 | 63 | 87 | 5 |
| | 2017 | 3,921 | 45 | 56 | 7 |
| acres, 2022 | 514,663 | 29,887 | 1,305 | 13 | |
| | 2017 | 850,995 | 38,546 | 2,800 | 470 |
| Weeds, grass, or brush | farms, 2022 | 10,217 | 106 | 171 | 23 |
| | 2017 | 10,341 | 74 | 136 | 28 |
| acres, 2022 | 1,522,835 | 54,083 | 8,032 | 711 | |
| | 2017 | 1,581,538 | 50,563 | 12,063 | 798 |
| Nematodes | farms, 2022 | 1,021 | 22 | 20 | - |
| | 2017 | 671 | 14 | 7 | - |
| acres, 2022 | 145,531 | 1,697 | 265 | - | |
| | 2017 | 170,141 | 6,866 | (D) | - |
| Diseases in crops and orchards | farms, 2022 | 1,967 | 31 | 65 | 2 |
| | 2017 | 1,806 | 28 | 45 | - |
| acres, 2022 | 220,047 | 15,494 | 888 | (D) | |
| | 2017 | 324,543 | 19,548 | 2,148 | - |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 1,264 | 8 | 46 | - |
| | 2017 | 586 | 5 | 5 | - |
| acres on which used, 2022 | 139,072 | 1,884 | 2,671 | - | |
| | 2017 | 110,330 | 168 | (D) | - |

| Item | Amelia | Amherst | Appomattox | Arlington | Augusta | |
|--|-------------|---------|------------|-----------|---------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 129 | 120 | 194 | - | 531 |
| | 2017 | 144 | 138 | 223 | - | 708 |
| acres treated, 2022 | 20,447 | 5,901 | 15,702 | - | 55,450 | |
| | 2017 | 22,122 | 7,563 | 15,559 | - | 78,314 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 98 | 95 | 139 | - | 439 |
| | 2017 | 108 | 107 | 164 | - | 594 |
| acres treated, 2022 | 17,324 | 4,003 | 9,504 | - | 46,281 | |
| | 2017 | 18,062 | 5,044 | 9,987 | - | 59,092 |
| Pastureland and rangeland fertilized | farms, 2022 | 56 | 35 | 86 | - | 192 |
| | 2017 | 76 | 67 | 112 | - | 314 |
| acres treated, 2022 | 3,123 | 1,898 | 6,198 | - | 9,169 | |
| | 2017 | 4,060 | 2,519 | 5,572 | - | 19,222 |
| Manure | farms, 2022 | 43 | 45 | 42 | - | 413 |
| | 2017 | 83 | 49 | 26 | - | 539 |
| acres treated, 2022 | 4,298 | 1,124 | 2,106 | - | 27,055 | |
| | 2017 | 5,790 | 1,134 | 687 | - | 41,142 |
| Organic fertilizer | farms, 2022 | 12 | 4 | 7 | - | 21 |
| | 2017 | 6 | 8 | 14 | - | 38 |
| acres treated, 2022 | 88 | 65 | 13 | - | 520 | |
| | 2017 | 310 | 154 | 648 | - | 3,348 |
| Acres treated to control- Insects | farms, 2022 | 29 | 14 | 31 | - | 116 |
| | 2017 | 30 | 21 | 15 | - | 157 |
| acres, 2022 | 2,069 | 1,473 | 1,473 | - | 8,142 | |
| | 2017 | 3,996 | 595 | 1,910 | - | 16,467 |
| Weeds, grass, or brush | farms, 2022 | 101 | 49 | 68 | - | 448 |
| | 2017 | 90 | 60 | 53 | - | 538 |
| acres, 2022 | 22,698 | 1,455 | 4,454 | - | 46,522 | |
| | 2017 | 19,300 | 1,572 | 4,865 | - | 62,514 |
| Nematodes | farms, 2022 | 5 | 2 | 1 | - | 24 |
| | 2017 | 5 | 2 | 1 | - | 16 |
| acres, 2022 | 163 | (D) | (D) | - | 1,774 | |
| | 2017 | 1,040 | (D) | (D) | - | 2,919 |
| Diseases in crops and orchards | farms, 2022 | 14 | 22 | 17 | - | 47 |
| | 2017 | 4 | 11 | 5 | - | 44 |
| acres, 2022 | 1,225 | 273 | 508 | - | 3,277 | |
| | 2017 | 1,058 | (D) | 99 | - | 3,965 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 5 | 10 | 8 | - | 24 |
| | 2017 | 1 | 3 | 1 | - | 8 |
| acres on which used, 2022 | 245 | 497 | 149 | - | 1,196 | |
| | 2017 | (D) | (D) | (D) | - | 1,562 |

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

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

| Item | Bath | Bedford | Bland | Botetourt | Brunswick | |
|--|-------------|---------|--------|-----------|-----------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 31 | 580 | 160 | 198 | 78 |
| | 2017 | 45 | 704 | 163 | 240 | 124 |
| acres treated, 2022 | 3,002 | 42,969 | 7,029 | 13,213 | 13,233 | |
| | 2017 | 7,676 | 51,769 | 9,462 | 17,430 | 19,088 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 22 | 474 | 145 | 148 | 65 |
| | 2017 | 38 | 554 | 143 | 182 | 89 |
| acres treated, 2022 | 1,152 | 31,016 | 5,757 | 9,647 | 10,880 | |
| | 2017 | 4,381 | 33,688 | 5,930 | 10,800 | 15,337 |
| Pastureland and rangeland fertilized | farms, 2022 | 13 | 246 | 44 | 87 | 27 |
| | 2017 | 23 | 348 | 78 | 122 | 58 |
| acres treated, 2022 | 1,850 | 11,953 | 1,272 | 3,566 | 2,353 | |
| | 2017 | 3,295 | 18,081 | 3,532 | 6,630 | 3,751 |
| Manure | farms, 2022 | 11 | 139 | 19 | 62 | 12 |
| | 2017 | 19 | 159 | 16 | 64 | 22 |
| acres treated, 2022 | 1,010 | 4,489 | 748 | 2,581 | 663 | |
| | 2017 | 1,925 | 7,043 | 264 | 2,923 | 654 |
| Organic fertilizer | farms, 2022 | 5 | 16 | 5 | 7 | 4 |
| | 2017 | 5 | 29 | 2 | 2 | 3 |
| acres treated, 2022 | 203 | 508 | 375 | 107 | 48 | |
| | 2017 | 55 | 824 | (D) | (D) | 96 |
| Acres treated to control- Insects | farms, 2022 | 2 | 74 | 13 | 18 | 20 |
| | 2017 | 1 | 86 | 7 | 33 | 28 |
| acres, 2022 | (D) | 3,670 | 719 | 1,250 | 3,133 | |
| | 2017 | (D) | 4,877 | 452 | 3,474 | 6,176 |
| Weeds, grass, or brush | farms, 2022 | 21 | 281 | 66 | 134 | 51 |
| | 2017 | 18 | 301 | 68 | 163 | 58 |
| acres, 2022 | 1,074 | 13,935 | 4,503 | 8,547 | 11,627 | |
| | 2017 | 3,111 | 16,667 | 2,568 | 8,575 | 15,618 |
| Nematodes | farms, 2022 | 1 | 25 | 6 | 4 | 16 |
| | 2017 | 4 | 17 | 1 | 4 | 13 |
| acres, 2022 | (D) | 984 | 262 | 77 | 1,976 | |
| | 2017 | 160 | 2,123 | (D) | 461 | 2,253 |
| Diseases in crops and orchards | farms, 2022 | 9 | 39 | 9 | 5 | 9 |
| | 2017 | 4 | 53 | 4 | 19 | 11 |
| acres, 2022 | (D) | 1,320 | 487 | 266 | 1,079 | |
| | 2017 | 160 | 2,327 | (D) | 2,137 | 911 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 3 | 24 | 3 | 7 | 5 |
| | 2017 | - | 16 | 3 | 6 | 5 |
| acres on which used, 2022 | (D) | 313 | (D) | 229 | 391 | |
| | 2017 | - | 372 | 62 | 282 | 940 |

| Item | Buchanan | Buckingham | Campbell | Caroline | Carroll | |
|--|-------------|------------|----------|----------|---------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 17 | 148 | 306 | 91 | 321 |
| | 2017 | 32 | 165 | 334 | 91 | 503 |
| acres treated, 2022 | 634 | 12,226 | 20,222 | 30,048 | 23,941 | |
| | 2017 | 493 | 12,801 | 35,021 | 37,389 | 29,540 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 8 | 115 | 234 | 79 | 214 |
| | 2017 | 26 | 98 | 284 | 80 | 356 |
| acres treated, 2022 | 264 | 10,082 | 14,918 | 29,123 | 12,942 | |
| | 2017 | 397 | 8,068 | 21,338 | 36,111 | 16,733 |
| Pastureland and rangeland fertilized | farms, 2022 | 11 | 53 | 137 | 23 | 185 |
| | 2017 | 6 | 100 | 170 | 26 | 292 |
| acres treated, 2022 | 370 | 2,144 | 5,304 | 925 | 10,999 | |
| | 2017 | 96 | 4,733 | 13,683 | 1,278 | 12,807 |
| Manure | farms, 2022 | 4 | 50 | 74 | 19 | 59 |
| | 2017 | 7 | 60 | 98 | 26 | 75 |
| acres treated, 2022 | 64 | 3,145 | 5,223 | 353 | 2,340 | |
| | 2017 | 95 | 5,380 | 6,551 | 1,990 | 1,629 |
| Organic fertilizer | farms, 2022 | 2 | 3 | 16 | 1 | 13 |
| | 2017 | 5 | 10 | 9 | 5 | 34 |
| acres treated, 2022 | (D) | (D) | 487 | (D) | 455 | |
| | 2017 | 72 | 311 | 283 | (D) | 761 |
| Acres treated to control- Insects | farms, 2022 | 1 | 31 | 44 | 50 | 40 |
| | 2017 | 3 | 7 | 40 | 45 | 45 |
| acres, 2022 | (D) | 840 | 1,741 | 19,599 | 1,450 | |
| | 2017 | 3 | 48 | 3,827 | 20,511 | 2,140 |
| Weeds, grass, or brush | farms, 2022 | 6 | 73 | 136 | 85 | 103 |
| | 2017 | 11 | 63 | 137 | 63 | 132 |
| acres, 2022 | 92 | 9,096 | 10,357 | 31,857 | 4,988 | |
| | 2017 | 54 | 8,525 | 13,550 | 33,332 | 4,795 |
| Nematodes | farms, 2022 | - | 2 | 7 | 14 | 14 |
| | 2017 | - | 1 | 6 | 8 | 9 |
| acres, 2022 | (D) | (D) | 242 | 3,349 | 825 | |
| | 2017 | (D) | (D) | (D) | 8,996 | 660 |
| Diseases in crops and orchards | farms, 2022 | - | 12 | 15 | 25 | 36 |
| | 2017 | 2 | 4 | 22 | 30 | 28 |
| acres, 2022 | - | 618 | 808 | 4,545 | 883 | |
| | 2017 | (D) | 138 | 603 | 13,466 | 1,590 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 2 | 3 | 17 | 9 | 35 |
| | 2017 | - | 1 | 3 | 3 | 11 |
| acres on which used, 2022 | (D) | (D) | 374 | 509 | 1,351 | |
| | 2017 | - | (D) | 19 | 130 | 590 |

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

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

| Item | Charles City | Charlotte | Chesterfield | Clarke | Craig | |
|--|--------------|-----------|--------------|--------|--------|-------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 37 | 203 | 57 | 93 | 74 |
| | 2017 | 33 | 256 | 76 | 112 | 86 |
| acres treated, 2022 | 13,871 | 19,954 | 2,170 | 6,259 | 4,235 | |
| | 2017 | 14,644 | 30,028 | 3,624 | 13,821 | 5,329 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 31 | 150 | 46 | 61 | 59 |
| | 2017 | 27 | 208 | 61 | 70 | 73 |
| acres treated, 2022 | 13,705 | 13,396 | 1,836 | 5,021 | 3,502 | |
| | 2017 | 14,568 | 22,361 | 3,084 | 11,419 | 4,532 |
| Pastureland and rangeland fertilized | farms, 2022 | 9 | 101 | 16 | 45 | 22 |
| | 2017 | 9 | 142 | 36 | 55 | 25 |
| acres treated, 2022 | 166 | 6,558 | 334 | 1,238 | 733 | |
| | 2017 | 76 | 7,667 | 540 | 2,402 | 797 |
| Manure | farms, 2022 | 7 | 38 | 24 | 71 | 26 |
| | 2017 | 6 | 74 | 28 | 75 | 21 |
| acres treated, 2022 | 86 | 2,341 | 277 | 2,620 | 1,951 | |
| | 2017 | 39 | 5,664 | 737 | 3,115 | 1,300 |
| Organic fertilizer | farms, 2022 | 3 | 8 | 15 | 2 | 6 |
| | 2017 | 1 | 27 | 10 | 11 | 5 |
| acres treated, 2022 | 95 | (D) | 40 | (D) | 450 | |
| | 2017 | (D) | 194 | 31 | 290 | 538 |
| Acres treated to control- Insects | farms, 2022 | 16 | 36 | 10 | 22 | 2 |
| | 2017 | 15 | 51 | 10 | 27 | 9 |
| acres, 2022 | 6,644 | 2,207 | 61 | 564 | (D) | |
| | 2017 | 14,899 | 5,982 | 378 | 2,225 | 448 |
| Weeds, grass, or brush | farms, 2022 | 27 | 107 | 50 | 89 | 44 |
| | 2017 | 26 | 119 | 53 | 94 | 38 |
| acres, 2022 | 18,892 | 13,913 | 1,966 | 7,190 | 1,929 | |
| | 2017 | 16,495 | 22,975 | 4,360 | 9,309 | 1,984 |
| Nematodes | farms, 2022 | 2 | 8 | 1 | 7 | 4 |
| | 2017 | - | 4 | - | 8 | - |
| acres, 2022 | (D) | 204 | (D) | 150 | 16 | |
| | 2017 | - | 1,035 | - | 185 | - |
| Diseases in crops and orchards | farms, 2022 | 3 | 11 | 6 | 13 | 7 |
| | 2017 | 8 | 23 | 7 | 15 | 3 |
| acres, 2022 | 3,232 | 329 | 37 | 388 | 191 | |
| | 2017 | 9,960 | 626 | 18 | 863 | (D) |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 9 | 7 | 4 | 9 | 10 |
| | 2017 | 2 | - | - | 7 | - |
| acres on which used, 2022 | 591 | 692 | 39 | 176 | 122 | |
| | 2017 | (D) | - | - | 308 | - |

| Item | Culpeper | Cumberland | Dickenson | Dinwiddie | Essex | |
|--|-------------|------------|-----------|-----------|--------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 172 | 86 | 22 | 129 | 59 |
| | 2017 | 218 | 100 | 60 | 146 | 47 |
| acres treated, 2022 | 27,608 | 8,105 | 421 | 20,883 | 34,233 | |
| | 2017 | 36,069 | 10,030 | 1,670 | 23,333 | 32,288 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 144 | 51 | 8 | 99 | 51 |
| | 2017 | 153 | 59 | 36 | 100 | 40 |
| acres treated, 2022 | 21,735 | 4,853 | 174 | 19,090 | 33,878 | |
| | 2017 | 28,866 | 5,926 | 984 | 20,435 | 31,845 |
| Pastureland and rangeland fertilized | farms, 2022 | 62 | 56 | 16 | 44 | 9 |
| | 2017 | 97 | 61 | 35 | 62 | 13 |
| acres treated, 2022 | 5,873 | 3,252 | 247 | 1,793 | 355 | |
| | 2017 | 7,183 | 4,104 | 686 | 2,898 | 443 |
| Manure | farms, 2022 | 98 | 57 | 13 | 53 | 2 |
| | 2017 | 110 | 60 | 14 | 36 | 7 |
| acres treated, 2022 | 4,234 | 3,577 | 180 | 1,108 | (D) | |
| | 2017 | 7,835 | 3,411 | 173 | 763 | 322 |
| Organic fertilizer | farms, 2022 | 22 | 5 | 3 | 15 | 3 |
| | 2017 | 20 | 9 | 5 | 1 | 1 |
| acres treated, 2022 | 849 | 117 | 40 | 563 | 60 | |
| | 2017 | 909 | 652 | 121 | (D) | (D) |
| Acres treated to control- Insects | farms, 2022 | 45 | 23 | 4 | 32 | 26 |
| | 2017 | 45 | 10 | - | 26 | 33 |
| acres, 2022 | 6,225 | 1,544 | 12 | 4,662 | 9,578 | |
| | 2017 | 7,493 | 627 | - | 21,275 | 31,231 |
| Weeds, grass, or brush | farms, 2022 | 121 | 55 | 16 | 112 | 51 |
| | 2017 | 144 | 47 | 32 | 84 | 42 |
| acres, 2022 | 23,682 | 6,318 | 240 | 27,096 | 43,585 | |
| | 2017 | 33,106 | 5,176 | 972 | 33,993 | 40,005 |
| Nematodes | farms, 2022 | 12 | 4 | - | 16 | 8 |
| | 2017 | 3 | 1 | - | 14 | 5 |
| acres, 2022 | (D) | 124 | - | 2,240 | 3,669 | |
| | 2017 | 100 | (D) | - | 12,117 | 1,886 |
| Diseases in crops and orchards | farms, 2022 | 31 | 18 | 2 | 16 | 16 |
| | 2017 | 28 | 3 | - | 14 | 12 |
| acres, 2022 | 6,099 | 339 | (D) | 1,026 | 5,792 | |
| | 2017 | 7,706 | (D) | - | 8,734 | 8,273 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 14 | 3 | 2 | 11 | 1 |
| | 2017 | 4 | 2 | - | 9 | 10 |
| acres on which used, 2022 | 639 | 48 | (D) | 2,184 | (D) | |
| | 2017 | 72 | (D) | - | 4,615 | 841 |

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

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

| Item | Fairfax | Fauquier | Floyd | Fluvanna | Franklin | |
|--|-------------|----------|--------|----------|----------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 24 | 332 | 291 | 89 | 476 |
| | 2017 | 33 | 322 | 402 | 112 | 604 |
| acres treated, 2022 | 154 | 32,854 | 16,251 | 5,828 | 46,205 | |
| | 2017 | 611 | 33,304 | 28,403 | 6,355 | 54,468 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 20 | 213 | 225 | 63 | 361 |
| | 2017 | 19 | 203 | 317 | 86 | 465 |
| acres treated, 2022 | (D) | 28,428 | 9,042 | 3,929 | 33,715 | |
| | 2017 | 233 | 26,496 | 16,978 | 5,151 | 39,954 |
| Pastureland and rangeland fertilized | farms, 2022 | 5 | 151 | 111 | 37 | 251 |
| | 2017 | 16 | 148 | 196 | 51 | 327 |
| acres treated, 2022 | (D) | 4,426 | 7,209 | 1,899 | 12,490 | |
| | 2017 | 378 | 6,808 | 11,425 | 1,204 | 14,514 |
| Manure | farms, 2022 | 12 | 172 | 50 | 64 | 143 |
| | 2017 | 11 | 158 | 54 | 39 | 198 |
| acres treated, 2022 | 134 | 5,688 | 1,999 | 1,658 | 8,954 | |
| | 2017 | 66 | 10,583 | 1,933 | 776 | 11,447 |
| Organic fertilizer | farms, 2022 | 7 | 41 | 22 | 10 | 32 |
| | 2017 | 6 | 19 | 24 | 11 | 45 |
| acres treated, 2022 | 19 | 1,437 | 275 | 104 | 1,157 | |
| | 2017 | 20 | 404 | 370 | 153 | 1,438 |
| Acres treated to control- Insects | farms, 2022 | 10 | 104 | 58 | 30 | 93 |
| | 2017 | 13 | 93 | 59 | 19 | 122 |
| acres, 2022 | 24 | 6,406 | 924 | 1,301 | 4,640 | |
| | 2017 | 55 | 3,689 | 2,391 | (D) | 12,488 |
| Weeds, grass, or brush | farms, 2022 | 17 | 267 | 123 | 54 | 240 |
| | 2017 | 28 | 212 | 123 | 43 | 271 |
| acres, 2022 | 210 | 30,485 | 3,586 | 5,002 | 29,997 | |
| | 2017 | 571 | 28,469 | 6,818 | 3,740 | 30,070 |
| Nematodes | farms, 2022 | 2 | 30 | 7 | 2 | 20 |
| | 2017 | 4 | 9 | 5 | 1 | 19 |
| acres, 2022 | (D) | 1,762 | 89 | (D) | 1,162 | |
| | 2017 | 16 | 124 | 37 | (D) | 1,703 |
| Diseases in crops and orchards | farms, 2022 | 5 | 67 | 34 | 6 | 58 |
| | 2017 | 8 | 34 | 41 | 11 | 49 |
| acres, 2022 | 9 | 7,094 | 293 | 33 | 1,961 | |
| | 2017 | 40 | 1,514 | 1,327 | (D) | 5,030 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | - | 29 | 25 | 11 | 28 |
| | 2017 | - | 13 | 4 | 1 | 11 |
| acres on which used, 2022 | - | 515 | 438 | 90 | 879 | |
| | 2017 | - | 369 | 95 | (D) | 290 |

| Item | Frederick | Giles | Gloucester | Goochland | Grayson | |
|--|-------------|--------|------------|-----------|---------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 155 | 155 | 67 | 68 | 281 |
| | 2017 | 225 | 157 | 72 | 131 | 374 |
| acres treated, 2022 | 11,577 | 6,678 | 12,454 | 11,797 | 21,962 | |
| | 2017 | 21,695 | 7,465 | 11,372 | 12,096 | 21,402 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 112 | 131 | 59 | 52 | 220 |
| | 2017 | 153 | 123 | 44 | 81 | 287 |
| acres treated, 2022 | 9,739 | 5,431 | 12,361 | 11,076 | 14,652 | |
| | 2017 | 16,880 | 4,528 | 11,114 | 8,768 | 14,866 |
| Pastureland and rangeland fertilized | farms, 2022 | 67 | 39 | 11 | 26 | 132 |
| | 2017 | 110 | 60 | 30 | 76 | 189 |
| acres treated, 2022 | 1,838 | 1,247 | 93 | 721 | 7,310 | |
| | 2017 | 4,815 | 2,937 | 258 | 3,328 | 6,536 |
| Manure | farms, 2022 | 75 | 24 | 12 | 26 | 71 |
| | 2017 | 142 | 33 | 41 | 48 | 38 |
| acres treated, 2022 | 2,184 | 971 | 236 | 2,904 | 3,687 | |
| | 2017 | 7,919 | 737 | 228 | 2,097 | 2,452 |
| Organic fertilizer | farms, 2022 | 17 | 7 | 7 | 3 | 4 |
| | 2017 | 10 | 10 | 2 | 23 | 20 |
| acres treated, 2022 | 449 | 52 | 29 | 25 | (D) | |
| | 2017 | 116 | 170 | (D) | 1,529 | 634 |
| Acres treated to control- Insects | farms, 2022 | 58 | 26 | 40 | 25 | 60 |
| | 2017 | 63 | 21 | 30 | 25 | 52 |
| acres, 2022 | 3,643 | 370 | 8,458 | 6,659 | 9,557 | |
| | 2017 | 8,359 | 234 | 10,170 | 8,893 | 2,378 |
| Weeds, grass, or brush | farms, 2022 | 132 | 122 | 67 | 46 | 119 |
| | 2017 | 162 | 113 | 39 | 71 | 103 |
| acres, 2022 | 10,891 | 7,744 | 15,142 | 11,342 | 8,469 | |
| | 2017 | 14,065 | 4,320 | 12,564 | 10,553 | 5,295 |
| Nematodes | farms, 2022 | 18 | 4 | 4 | 3 | 8 |
| | 2017 | 3 | 1 | 4 | 6 | 7 |
| acres, 2022 | 89 | 61 | 402 | (D) | 132 | |
| | 2017 | (D) | (D) | 651 | 1,794 | 435 |
| Diseases in crops and orchards | farms, 2022 | 31 | 16 | 15 | 6 | 23 |
| | 2017 | 37 | 4 | 8 | 13 | 20 |
| acres, 2022 | 2,875 | 78 | (D) | 405 | (D) | |
| | 2017 | 5,598 | 21 | 188 | 140 | 669 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 25 | 10 | 6 | 6 | 9 |
| | 2017 | 22 | - | 1 | 5 | 6 |
| acres on which used, 2022 | 4,231 | 216 | 18 | 6 | 263 | |
| | 2017 | 4,619 | - | (D) | 96 | 531 |

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

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

| Item | Greene | Greenville | Halifax | Hanover | Henrico | |
|--|-------------|------------|---------|---------|---------|-------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 53 | 48 | 355 | 248 | 34 |
| | 2017 | 76 | 86 | 423 | 282 | 34 |
| acres treated, 2022 | 4,161 | 13,288 | 28,237 | 37,483 | 3,921 | 3,921 |
| | 2017 | 5,146 | 24,106 | 32,543 | 44,379 | 4,044 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 42 | 39 | 236 | 178 | 30 |
| | 2017 | 56 | 73 | 294 | 233 | 30 |
| acres treated, 2022 | 2,961 | 13,094 | 19,053 | 35,104 | 3,793 | 3,793 |
| | 2017 | 3,451 | 23,751 | 19,316 | 40,821 | 3,968 |
| Pastureland and rangeland fertilized | farms, 2022 | 25 | 12 | 194 | 101 | 4 |
| | 2017 | 30 | 15 | 226 | 95 | 6 |
| acres treated, 2022 | 1,200 | 194 | 9,184 | 2,379 | 128 | 128 |
| | 2017 | 1,695 | 355 | 13,227 | 3,558 | 76 |
| Manure | farms, 2022 | 28 | 5 | 56 | 61 | 7 |
| | 2017 | 39 | 2 | 74 | 66 | 5 |
| acres treated, 2022 | 1,103 | 390 | 1,519 | 876 | 25 | 25 |
| | 2017 | 2,293 | (D) | 2,356 | 2,193 | 22 |
| Organic fertilizer | farms, 2022 | - | 4 | 10 | 17 | 4 |
| | 2017 | 6 | 2 | 16 | 19 | 10 |
| acres treated, 2022 | - | 52 | 491 | 277 | 46 | 46 |
| | 2017 | 603 | (D) | 653 | 223 | 148 |
| Acres treated to control- Insects | farms, 2022 | 11 | 20 | 75 | 89 | 13 |
| | 2017 | 3 | 40 | 66 | 87 | 17 |
| acres, 2022 | 257 | 4,503 | 3,677 | 9,270 | (D) | (D) |
| | 2017 | (D) | 18,178 | 8,379 | 29,389 | (D) |
| Weeds, grass, or brush | farms, 2022 | 31 | 38 | 203 | 174 | 25 |
| | 2017 | 35 | 71 | 187 | 166 | 30 |
| acres, 2022 | 1,670 | 16,422 | 21,298 | 43,424 | 5,394 | 5,394 |
| | 2017 | 1,313 | 28,537 | 23,490 | 45,619 | 5,590 |
| Nematodes | farms, 2022 | 2 | 14 | 12 | 24 | 4 |
| | 2017 | - | 24 | 8 | 20 | 1 |
| acres, 2022 | (D) | 4,807 | 238 | 1,826 | 60 | 60 |
| | 2017 | - | 9,364 | 311 | 3,601 | (D) |
| Diseases in crops and orchards | farms, 2022 | 5 | 10 | 36 | 46 | 8 |
| | 2017 | 2 | 25 | 27 | 45 | 9 |
| acres, 2022 | 13 | 1,353 | 2,408 | 7,094 | 76 | 76 |
| | 2017 | (D) | 12,030 | 2,237 | 12,456 | (D) |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 3 | 12 | 25 | 23 | - |
| | 2017 | 1 | 21 | 15 | 7 | 3 |
| acres on which used, 2022 | 20 | 4,315 | 879 | 751 | - | - |
| | 2017 | (D) | 6,108 | 453 | 102 | 3 |

| Item | Henry | Highland | Isle of Wight | James City | King and Queen | |
|--|-------------|----------|---------------|------------|----------------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 118 | 65 | 105 | 43 | 72 |
| | 2017 | 122 | 51 | 112 | 34 | 69 |
| acres treated, 2022 | 5,450 | 7,131 | 41,541 | 1,139 | 25,509 | 25,509 |
| | 2017 | 10,742 | 3,340 | 39,866 | 3,031 | 27,174 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 78 | 44 | 104 | 30 | 64 |
| | 2017 | 89 | 34 | 102 | 29 | 67 |
| acres treated, 2022 | 2,965 | 5,347 | 40,732 | 900 | 25,330 | 25,330 |
| | 2017 | 4,616 | 1,733 | 38,398 | 2,811 | 26,722 |
| Pastureland and rangeland fertilized | farms, 2022 | 64 | 31 | 13 | 15 | 16 |
| | 2017 | 70 | 23 | 34 | 11 | 17 |
| acres treated, 2022 | 2,485 | 1,784 | 809 | 239 | 179 | 179 |
| | 2017 | 6,126 | 1,607 | 1,468 | 220 | 452 |
| Manure | farms, 2022 | 21 | 76 | 18 | 25 | 12 |
| | 2017 | 22 | 82 | 31 | 12 | 12 |
| acres treated, 2022 | 833 | 8,098 | 701 | 664 | 384 | 384 |
| | 2017 | 379 | 5,165 | 551 | 236 | 458 |
| Organic fertilizer | farms, 2022 | 2 | 8 | 2 | 5 | 6 |
| | 2017 | 22 | 2 | 5 | 3 | 7 |
| acres treated, 2022 | (D) | 8 | (D) | 37 | 61 | 61 |
| | 2017 | 472 | (D) | 46 | 17 | 103 |
| Acres treated to control- Insects | farms, 2022 | 17 | 14 | 72 | 18 | 30 |
| | 2017 | 14 | 6 | 64 | 19 | 30 |
| acres, 2022 | 468 | 492 | 28,897 | 464 | 21,313 | 21,313 |
| | 2017 | 295 | 80 | 41,246 | 2,559 | 20,726 |
| Weeds, grass, or brush | farms, 2022 | 34 | 57 | 110 | 27 | 61 |
| | 2017 | 16 | 49 | 84 | 25 | 63 |
| acres, 2022 | 879 | 2,240 | 47,729 | 1,398 | 30,445 | 30,445 |
| | 2017 | 333 | 2,218 | 46,004 | 2,755 | 30,059 |
| Nematodes | farms, 2022 | 12 | 3 | 39 | 2 | 5 |
| | 2017 | - | 2 | 17 | 2 | 8 |
| acres, 2022 | 203 | (D) | 12,217 | (D) | 2,726 | 2,726 |
| | 2017 | - | (D) | 6,424 | (D) | 4,020 |
| Diseases in crops and orchards | farms, 2022 | 14 | 10 | 40 | 3 | 14 |
| | 2017 | 1 | 3 | 33 | 9 | 8 |
| acres, 2022 | 238 | 120 | 13,840 | 109 | 5,635 | 5,635 |
| | 2017 | (D) | 10 | 13,746 | 66 | 9,889 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 7 | 2 | 33 | 10 | - |
| | 2017 | - | 1 | 36 | - | - |
| acres on which used, 2022 | 215 | (D) | 15,353 | 207 | - | - |
| | 2017 | - | (D) | 17,777 | - | - |

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Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (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, 2022 | 70 | 69 | 24 | 259 | 352 |
| | 2017 | 68 | 44 | 39 | 404 | 321 |
| acres treated, 2022 | 5,590 | 28,653 | 6,464 | 11,129 | 23,260 | 21,126 |
| | 2017 | 7,915 | 21,231 | 10,371 | 18,242 | 21,126 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 56 | 56 | 21 | 200 | 229 |
| | 2017 | 54 | 38 | 35 | 321 | 196 |
| acres treated, 2022 | 5,109 | 28,155 | 6,452 | 6,561 | 18,698 | 16,657 |
| | 2017 | 7,404 | 20,787 | 10,244 | 10,446 | 16,657 |
| Pastureland and rangeland fertilized | farms, 2022 | 24 | 16 | 3 | 109 | 150 |
| | 2017 | 19 | 10 | 5 | 191 | 156 |
| acres treated, 2022 | 481 | 498 | 12 | 4,568 | 4,562 | 4,469 |
| | 2017 | 511 | 444 | 127 | 7,796 | 4,469 |
| Manure | farms, 2022 | 26 | 13 | 2 | 71 | 201 |
| | 2017 | 16 | 6 | 7 | 53 | 209 |
| acres treated, 2022 | 720 | 550 | (D) | 1,260 | 4,920 | 5,953 |
| | 2017 | 413 | 22 | 88 | 1,940 | 5,953 |
| Organic fertilizer | farms, 2022 | 5 | 4 | - | 15 | 57 |
| | 2017 | 7 | 3 | 3 | 11 | 49 |
| acres treated, 2022 | 69 | 30 | - | 412 | 666 | 1,128 |
| | 2017 | 51 | (D) | 141 | 305 | 1,128 |
| Acres treated to control- Insects | farms, 2022 | 23 | 32 | 19 | 33 | 145 |
| | 2017 | 11 | 22 | 17 | 36 | 112 |
| acres, 2022 | 2,063 | 15,537 | 2,742 | 351 | 5,376 | 5,376 |
| | 2017 | 3,792 | 16,915 | 6,969 | 1,541 | 15,315 |
| Weeds, grass, or brush | farms, 2022 | 46 | 55 | 29 | 139 | 280 |
| | 2017 | 43 | 33 | 30 | 174 | 194 |
| acres, 2022 | 8,529 | 31,633 | 6,841 | 4,510 | 17,280 | 17,280 |
| | 2017 | 8,918 | 22,312 | 9,938 | 6,487 | 29,542 |
| Nematodes | farms, 2022 | 5 | 16 | 3 | 7 | 35 |
| | 2017 | 2 | 8 | 1 | 1 | 8 |
| acres, 2022 | 683 | 3,665 | (D) | 59 | 369 | 1,853 |
| | 2017 | (D) | 3,163 | (D) | (D) | 1,853 |
| Diseases in crops and orchards | farms, 2022 | 14 | 10 | 3 | 11 | 97 |
| | 2017 | 6 | 5 | 7 | 7 | 79 |
| acres, 2022 | 1,206 | 2,503 | (D) | 41 | 1,179 | 1,448 |
| | 2017 | 3,029 | 4,846 | 2,250 | (D) | 1,448 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 1 | 3 | 4 | 12 | 49 |
| | 2017 | - | 2 | - | 10 | 16 |
| acres on which used, 2022 | (D) | 124 | 112 | 373 | 1,070 | 83 |
| | 2017 | - | (D) | - | 174 | 83 |
| Item | Louisa | Lunenburg | Madison | Mathews | Mecklenburg | |
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 160 | 110 | 185 | 8 | 177 |
| | 2017 | 185 | 168 | 271 | 16 | 292 |
| acres treated, 2022 | 21,847 | 13,188 | 26,178 | 1,165 | 31,563 | 31,563 |
| | 2017 | 15,997 | 16,972 | 34,900 | 3,467 | 39,200 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 110 | 88 | 137 | 7 | 148 |
| | 2017 | 149 | 117 | 200 | 15 | 235 |
| acres treated, 2022 | 17,712 | 9,229 | 21,728 | 1,124 | 25,092 | 25,092 |
| | 2017 | 11,975 | 11,938 | 24,017 | 3,358 | 27,599 |
| Pastureland and rangeland fertilized | farms, 2022 | 73 | 44 | 74 | 3 | 85 |
| | 2017 | 71 | 40 | 139 | 4 | 127 |
| acres treated, 2022 | 4,135 | 3,959 | 4,450 | 41 | 6,471 | 6,471 |
| | 2017 | 4,022 | 5,034 | 10,883 | 109 | 11,601 |
| Manure | farms, 2022 | 73 | 45 | 61 | 11 | 33 |
| | 2017 | 102 | 24 | 98 | 6 | 50 |
| acres treated, 2022 | 4,891 | 2,200 | 4,101 | 93 | 3,228 | 3,228 |
| | 2017 | 4,058 | 692 | 4,746 | 80 | 6,817 |
| Organic fertilizer | farms, 2022 | 12 | 5 | 12 | 2 | 26 |
| | 2017 | 24 | 8 | 8 | - | 34 |
| acres treated, 2022 | 665 | 150 | 1,336 | (D) | 1,389 | 1,389 |
| | 2017 | 1,177 | 197 | 305 | - | 2,965 |
| Acres treated to control- Insects | farms, 2022 | 27 | 25 | 45 | 3 | 55 |
| | 2017 | 26 | 30 | 46 | 8 | 74 |
| acres, 2022 | 5,002 | 4,002 | 3,822 | (D) | 7,164 | 7,164 |
| | 2017 | 4,608 | 5,835 | 6,544 | 2,378 | 15,242 |
| Weeds, grass, or brush | farms, 2022 | 120 | 68 | 133 | 9 | 128 |
| | 2017 | 87 | 58 | 139 | 18 | 126 |
| acres, 2022 | 17,574 | 9,875 | 22,172 | 1,137 | 23,718 | 23,718 |
| | 2017 | 7,270 | 10,925 | 18,176 | 3,509 | 34,175 |
| Nematodes | farms, 2022 | 14 | 13 | 5 | 1 | 13 |
| | 2017 | 4 | 11 | 13 | 1 | 20 |
| acres, 2022 | 204 | 1,444 | (D) | (D) | 792 | 792 |
| | 2017 | (D) | 3,016 | 2,851 | (D) | 4,186 |
| Diseases in crops and orchards | farms, 2022 | 6 | 7 | 34 | 1 | 19 |
| | 2017 | 20 | 9 | 22 | 2 | 17 |
| acres, 2022 | 2,821 | (D) | 742 | (D) | 2,481 | 2,481 |
| | 2017 | 919 | 740 | 2,931 | (D) | 3,204 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 7 | 10 | 15 | 1 | 18 |
| | 2017 | 9 | 4 | 3 | - | 7 |
| acres on which used, 2022 | 43 | 769 | 187 | (D) | 2,934 | 2,934 |
| | 2017 | 48 | 121 | (D) | - | 656 |

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

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

| Item | Middlesex | Montgomery | Nelson | New Kent | Northampton | |
|--|-------------|------------|--------|----------|-------------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 28 | 200 | 138 | 65 | 62 |
| | 2017 | 36 | 279 | 134 | 71 | 63 |
| acres treated, 2022 | 10,601 | 11,670 | 9,789 | 9,248 | 25,041 | |
| | 2017 | 12,650 | 17,300 | 11,441 | 9,278 | 27,808 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 27 | 148 | 119 | 54 | 59 |
| | 2017 | 27 | 212 | 93 | 43 | 63 |
| acres treated, 2022 | 10,383 | 9,570 | 7,441 | 9,137 | 25,016 | |
| | 2017 | 12,277 | 12,716 | 8,584 | 8,831 | (D) |
| Pastureland and rangeland fertilized | farms, 2022 | 6 | 72 | 36 | 14 | 4 |
| | 2017 | 12 | 120 | 61 | 34 | 1 |
| acres treated, 2022 | 218 | 2,100 | 2,348 | 111 | 25 | |
| | 2017 | 373 | 4,584 | 2,857 | 447 | (D) |
| Manure | farms, 2022 | 11 | 44 | 48 | 18 | 8 |
| | 2017 | 8 | 98 | 62 | 11 | 12 |
| acres treated, 2022 | (D) | 1,281 | 2,956 | 76 | 315 | |
| | 2017 | 226 | 3,000 | 6,010 | 56 | 3,936 |
| Organic fertilizer | farms, 2022 | 3 | 12 | 23 | 4 | 8 |
| | 2017 | 4 | 12 | 9 | 2 | 1 |
| acres treated, 2022 | 3 | 746 | 272 | 28 | 25 | |
| | 2017 | 354 | 390 | 52 | (D) | (D) |
| Acres treated to control- Insects | farms, 2022 | 13 | 33 | 59 | 25 | 48 |
| | 2017 | 21 | 22 | 24 | 16 | 58 |
| acres, 2022 | 5,354 | 1,082 | 1,388 | 3,500 | 17,779 | |
| | 2017 | 9,888 | 1,501 | 1,256 | (D) | 27,757 |
| Weeds, grass, or brush | farms, 2022 | 31 | 118 | 95 | 42 | 62 |
| | 2017 | 31 | 137 | 59 | 41 | 59 |
| acres, 2022 | 12,203 | 5,667 | 5,607 | 10,307 | 29,157 | |
| | 2017 | 14,053 | 7,828 | 4,478 | 8,493 | 34,247 |
| Nematodes | farms, 2022 | 3 | 6 | 11 | 1 | 13 |
| | 2017 | 4 | 1 | 5 | 6 | 6 |
| acres, 2022 | (D) | 68 | 55 | (D) | 6,931 | |
| | 2017 | (D) | (D) | (D) | (D) | 4,217 |
| Diseases in crops and orchards | farms, 2022 | 3 | 21 | 46 | 15 | 26 |
| | 2017 | 12 | 9 | 29 | 18 | 37 |
| acres, 2022 | (D) | 917 | 978 | 1,427 | 10,284 | |
| | 2017 | 3,399 | 927 | 2,523 | (D) | 18,629 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 2 | 12 | 31 | 5 | 11 |
| | 2017 | - | 2 | 10 | 2 | 3 |
| acres on which used, 2022 | (D) | 323 | 1,269 | 150 | 3,273 | |
| | 2017 | - | (D) | 2,040 | (D) | 2,505 |

| Item | Northumberland | Nottoway | Orange | Page | Patrick | |
|--|----------------|----------|--------|--------|---------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 69 | 87 | 200 | 138 | 226 |
| | 2017 | 57 | 120 | 174 | 176 | 266 |
| acres treated, 2022 | 31,494 | 10,517 | 25,945 | 11,534 | 12,795 | |
| | 2017 | 24,092 | 11,114 | 21,238 | 12,660 | 19,032 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 66 | 66 | 138 | 105 | 152 |
| | 2017 | 54 | 84 | 117 | 126 | 186 |
| acres treated, 2022 | 31,126 | 8,052 | 23,725 | 7,829 | 7,525 | |
| | 2017 | 23,987 | 6,962 | 16,883 | 9,457 | 10,621 |
| Pastureland and rangeland fertilized | farms, 2022 | 8 | 47 | 78 | 59 | 131 |
| | 2017 | 8 | 58 | 84 | 79 | 168 |
| acres treated, 2022 | 368 | 2,465 | 2,220 | 3,705 | 5,270 | |
| | 2017 | 105 | 4,152 | 4,355 | 3,203 | 8,411 |
| Manure | farms, 2022 | 4 | 42 | 78 | 109 | 36 |
| | 2017 | 7 | 48 | 84 | 145 | 51 |
| acres treated, 2022 | 20 | 2,584 | 8,248 | 10,971 | 1,127 | |
| | 2017 | 230 | 3,768 | 8,155 | 12,008 | 1,506 |
| Organic fertilizer | farms, 2022 | 3 | 5 | 14 | 11 | 5 |
| | 2017 | - | 12 | 29 | 11 | 11 |
| acres treated, 2022 | 135 | 562 | 563 | 157 | 105 | |
| | 2017 | - | 188 | 2,144 | 305 | 210 |
| Acres treated to control- Insects | farms, 2022 | 48 | 30 | 39 | 30 | 37 |
| | 2017 | 42 | 23 | 38 | 39 | 33 |
| acres, 2022 | 13,244 | 1,744 | 3,195 | 1,305 | 1,310 | |
| | 2017 | 28,323 | 2,763 | 5,035 | 3,839 | 1,355 |
| Weeds, grass, or brush | farms, 2022 | 66 | 70 | 118 | 113 | 96 |
| | 2017 | 45 | 51 | 99 | 131 | 103 |
| acres, 2022 | 35,719 | 6,452 | 28,674 | 8,171 | 4,316 | |
| | 2017 | 31,441 | 8,278 | 20,354 | 12,865 | 5,118 |
| Nematodes | farms, 2022 | 9 | 8 | 9 | 5 | 12 |
| | 2017 | 3 | 2 | 12 | 6 | 7 |
| acres, 2022 | 3,214 | 36 | (D) | 64 | 182 | |
| | 2017 | (D) | (D) | 566 | 881 | 194 |
| Diseases in crops and orchards | farms, 2022 | 30 | 10 | 15 | 3 | 28 |
| | 2017 | 23 | 13 | 28 | 16 | 20 |
| acres, 2022 | 8,862 | 51 | 2,319 | (D) | 447 | |
| | 2017 | 7,292 | 280 | 2,100 | 738 | 689 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 13 | 3 | 9 | 6 | 13 |
| | 2017 | 2 | - | 8 | 4 | 6 |
| acres on which used, 2022 | 589 | (D) | 454 | 57 | 191 | |
| | 2017 | (D) | - | 109 | 30 | 124 |

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Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (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, 2022 | 518 | 76 | 118 | 48 | 107 |
| | 2017 | 658 | 91 | 129 | 68 | 84 |
| acres treated, 2022 | 66,291 | 7,544 | 10,426 | 9,046 | 6,547 | |
| | 2017 | 70,840 | 7,379 | 12,435 | 15,833 | 8,914 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 370 | 52 | 90 | 48 | 76 |
| | 2017 | 497 | 49 | 95 | 58 | 65 |
| acres treated, 2022 | 40,950 | 6,704 | 7,061 | 8,931 | 6,109 | |
| | 2017 | 44,689 | 5,937 | 7,386 | 15,470 | 8,150 |
| Pastureland and rangeland fertilized | farms, 2022 | 300 | 29 | 59 | 9 | 39 |
| | 2017 | 383 | 55 | 70 | 22 | 32 |
| acres treated, 2022 | 25,341 | 840 | 3,365 | 115 | 438 | |
| | 2017 | 26,151 | 1,442 | 5,049 | 363 | 764 |
| Manure | farms, 2022 | 107 | 34 | 47 | 18 | 67 |
| | 2017 | 99 | 41 | 36 | 16 | 50 |
| acres treated, 2022 | 11,353 | 1,461 | 2,645 | 98 | 682 | |
| | 2017 | 5,543 | 1,234 | 1,966 | 92 | 1,139 |
| Organic fertilizer | farms, 2022 | 38 | 11 | 8 | 5 | 26 |
| | 2017 | 25 | 8 | 9 | 3 | 7 |
| acres treated, 2022 | 9,268 | 962 | 67 | 27 | 175 | |
| | 2017 | 1,413 | 442 | 116 | (D) | 37 |
| Acres treated to control- Insects | farms, 2022 | 89 | 13 | 21 | 18 | 32 |
| | 2017 | 133 | 11 | 16 | 20 | 13 |
| acres, 2022 | 10,710 | 415 | 546 | 1,611 | (D) | |
| | 2017 | 11,653 | 206 | (D) | 12,126 | (D) |
| Weeds, grass, or brush | farms, 2022 | 232 | 50 | 71 | 66 | 76 |
| | 2017 | 265 | 37 | 57 | 64 | 43 |
| acres, 2022 | 33,578 | 6,526 | 5,144 | 11,765 | 6,027 | |
| | 2017 | 28,360 | 6,033 | 4,636 | 19,371 | 7,244 |
| Nematodes | farms, 2022 | 13 | 9 | 2 | 5 | 3 |
| | 2017 | 16 | - | 2 | 8 | 3 |
| acres, 2022 | 1,220 | 132 | (D) | 883 | (D) | |
| | 2017 | 2,025 | - | (D) | 2,224 | 7 |
| Diseases in crops and orchards | farms, 2022 | 32 | 9 | 6 | 2 | 6 |
| | 2017 | 41 | 2 | 6 | 18 | 9 |
| acres, 2022 | 1,839 | (D) | 9 | (D) | 43 | |
| | 2017 | 2,965 | (D) | 6 | 3,016 | 15 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 46 | 5 | 6 | 7 | 7 |
| | 2017 | 20 | 2 | 1 | - | 5 |
| acres on which used, 2022 | 3,501 | 167 | 255 | 155 | 174 | |
| | 2017 | 997 | (D) | (D) | - | 17 |

| Item | Pulaski | Rappahannock | Richmond | Roanoke | Rockbridge | |
|--|-------------|--------------|----------|---------|------------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 141 | 109 | 82 | 61 | 252 |
| | 2017 | 195 | 132 | 60 | 86 | 300 |
| acres treated, 2022 | 11,347 | 4,616 | 22,746 | 1,636 | 18,043 | |
| | 2017 | 15,799 | 6,033 | 20,888 | 2,673 | 21,156 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 121 | 80 | 71 | 40 | 196 |
| | 2017 | 152 | 100 | 56 | 60 | 218 |
| acres treated, 2022 | 9,027 | 2,852 | 22,495 | 1,016 | 13,101 | |
| | 2017 | 11,214 | 4,746 | 20,658 | 2,242 | 12,685 |
| Pastureland and rangeland fertilized | farms, 2022 | 37 | 40 | 23 | 27 | 99 |
| | 2017 | 86 | 43 | 8 | 35 | 158 |
| acres treated, 2022 | 2,320 | 1,764 | 251 | 620 | 4,942 | |
| | 2017 | 4,585 | 1,287 | 230 | 431 | 8,471 |
| Manure | farms, 2022 | 46 | 46 | 14 | 17 | 125 |
| | 2017 | 29 | 59 | 8 | 33 | 128 |
| acres treated, 2022 | 2,327 | 1,002 | 446 | 139 | 6,013 | |
| | 2017 | 2,035 | 2,306 | 137 | 334 | 7,786 |
| Organic fertilizer | farms, 2022 | 10 | 7 | 4 | 5 | 14 |
| | 2017 | 14 | 16 | 6 | 9 | 30 |
| acres treated, 2022 | 173 | 14 | 22 | 12 | 408 | |
| | 2017 | 754 | 191 | 12 | 111 | 1,427 |
| Acres treated to control- Insects | farms, 2022 | 21 | 48 | 44 | 17 | 55 |
| | 2017 | 12 | 39 | 36 | 16 | 42 |
| acres, 2022 | 604 | 658 | 11,105 | 57 | 1,040 | |
| | 2017 | 924 | 540 | 17,392 | 91 | 1,219 |
| Weeds, grass, or brush | farms, 2022 | 87 | 86 | 69 | 38 | 186 |
| | 2017 | 90 | 88 | 43 | 30 | 189 |
| acres, 2022 | 5,748 | 1,927 | 25,563 | 1,324 | 12,767 | |
| | 2017 | 4,216 | 1,840 | 23,665 | 616 | 12,425 |
| Nematodes | farms, 2022 | 2 | 17 | 10 | 2 | 13 |
| | 2017 | 1 | 6 | 3 | 4 | 3 |
| acres, 2022 | (D) | 207 | 343 | (D) | 105 | |
| | 2017 | (D) | 80 | (D) | 18 | (D) |
| Diseases in crops and orchards | farms, 2022 | 12 | 42 | 19 | 10 | 27 |
| | 2017 | 8 | 28 | 17 | 10 | 23 |
| acres, 2022 | 411 | 721 | 5,029 | 22 | 570 | |
| | 2017 | 1,284 | 416 | 9,618 | 44 | 81 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 6 | 17 | 9 | 1 | 15 |
| | 2017 | 1 | 2 | 5 | - | 3 |
| acres on which used, 2022 | 193 | 397 | 542 | (D) | 469 | |
| | 2017 | (D) | (D) | 3,407 | - | 3 |

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

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

| Item | Rockingham | Russell | Scott | Shenandoah | Smyth | |
|--|-------------|--------------|----------|------------|--------|--------|
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 734 | 301 | 401 | 323 | 257 |
| | 2017 | 891 | 443 | 592 | 384 | 333 |
| acres treated, 2022 | 62,750 | 14,669 | 12,922 | 31,601 | 18,845 | |
| | 2017 | 78,878 | 20,537 | 18,833 | 34,917 | 18,179 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 631 | 255 | 294 | 264 | 214 |
| | 2017 | 784 | 365 | 498 | 312 | 240 |
| acres treated, 2022 | 54,574 | 8,485 | 8,534 | 25,037 | 10,257 | |
| | 2017 | 67,044 | 13,669 | 12,825 | 28,421 | 10,764 |
| Pastureland and rangeland fertilized | farms, 2022 | 219 | 74 | 178 | 111 | 99 |
| | 2017 | 277 | 175 | 254 | 137 | 185 |
| acres treated, 2022 | 8,176 | 6,184 | 4,388 | 6,564 | 8,588 | |
| | 2017 | 11,834 | 6,868 | 6,008 | 6,496 | 7,415 |
| Manure | farms, 2022 | 649 | 51 | 87 | 218 | 65 |
| | 2017 | 823 | 71 | 111 | 289 | 49 |
| acres treated, 2022 | 43,683 | 1,447 | 2,102 | 15,997 | 3,567 | |
| | 2017 | 63,048 | 3,932 | 1,782 | 18,678 | 2,936 |
| Organic fertilizer | farms, 2022 | 76 | 14 | 22 | 16 | 8 |
| | 2017 | 68 | 12 | 27 | 15 | 6 |
| acres treated, 2022 | 4,292 | 243 | 384 | 326 | 284 | |
| | 2017 | 5,177 | 1,575 | 516 | 295 | 266 |
| Acres treated to control- Insects | farms, 2022 | 269 | 38 | 46 | 85 | 45 |
| | 2017 | 351 | 30 | 45 | 94 | 20 |
| acres, 2022 | 17,145 | 302 | 703 | 6,078 | 798 | |
| | 2017 | 27,935 | 296 | 393 | 9,535 | 867 |
| Weeds, grass, or brush | farms, 2022 | 689 | 176 | 202 | 263 | 140 |
| | 2017 | 766 | 231 | 314 | 304 | 154 |
| acres, 2022 | 60,142 | 9,793 | 5,382 | 28,356 | 11,992 | |
| | 2017 | 69,663 | 10,493 | 8,744 | 30,153 | 7,803 |
| Nematodes | farms, 2022 | 35 | 10 | 12 | 31 | 15 |
| | 2017 | 42 | - | 9 | 17 | 4 |
| acres, 2022 | 2,636 | 61 | 166 | 1,449 | 1,381 | |
| | 2017 | 3,964 | - | 104 | 1,740 | 375 |
| Diseases in crops and orchards | farms, 2022 | 91 | 17 | 19 | 62 | 20 |
| | 2017 | 83 | 2 | 27 | 54 | 5 |
| acres, 2022 | 7,143 | 57 | 205 | 2,161 | 1,394 | |
| | 2017 | 5,756 | (D) | 37 | 4,036 | (D) |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 58 | 8 | 27 | 29 | 12 |
| | 2017 | 23 | 7 | 13 | 9 | 3 |
| acres on which used, 2022 | 2,466 | 154 | 355 | 1,468 | 101 | |
| | 2017 | 3,332 | 41 | 101 | 971 | (D) |
| Item | Southampton | Spotsylvania | Stafford | Surry | Sussex | |
| Commercial fertilizer, lime, and soil conditioners | farms, 2022 | 172 | 129 | 73 | 67 | 62 |
| | 2017 | 163 | 125 | 84 | 78 | 80 |
| acres treated, 2022 | 80,839 | 10,777 | 3,864 | 24,236 | 28,551 | |
| | 2017 | 81,051 | 11,655 | 7,992 | 17,774 | 31,143 |
| Cropland fertilized, except cropland pasture | farms, 2022 | 166 | 96 | 44 | 63 | 57 |
| | 2017 | 148 | 91 | 53 | 77 | 75 |
| acres treated, 2022 | 79,947 | 8,511 | 3,626 | 23,829 | 28,453 | |
| | 2017 | 79,765 | 10,142 | 7,252 | 17,044 | 30,750 |
| Pastureland and rangeland fertilized | farms, 2022 | 17 | 48 | 42 | 11 | 6 |
| | 2017 | 32 | 55 | 47 | 14 | 8 |
| acres treated, 2022 | 892 | 2,266 | 238 | 407 | 98 | |
| | 2017 | 1,286 | 1,513 | 740 | 730 | 393 |
| Manure | farms, 2022 | 7 | 56 | 34 | 10 | 6 |
| | 2017 | 18 | 63 | 48 | 6 | 11 |
| acres treated, 2022 | 4,025 | 1,278 | 376 | 405 | (D) | |
| | 2017 | 332 | 1,142 | 1,545 | 212 | 478 |
| Organic fertilizer | farms, 2022 | 3 | 12 | 7 | 7 | - |
| | 2017 | 1 | 10 | 9 | 3 | - |
| acres treated, 2022 | 4 | 647 | 33 | 12 | - | |
| | 2017 | (D) | 356 | 61 | 75 | - |
| Acres treated to control- Insects | farms, 2022 | 128 | 30 | 20 | 36 | 40 |
| | 2017 | 117 | 36 | 23 | 39 | 52 |
| acres, 2022 | 52,114 | 3,167 | 143 | 18,538 | 12,191 | |
| | 2017 | 85,799 | 1,392 | 463 | 12,102 | 29,561 |
| Weeds, grass, or brush | farms, 2022 | 176 | 68 | 55 | 53 | 65 |
| | 2017 | 149 | 73 | 61 | 55 | 57 |
| acres, 2022 | 92,831 | 9,322 | 3,814 | 26,846 | 40,870 | |
| | 2017 | 89,009 | 6,439 | 5,798 | 18,110 | 37,735 |
| Nematodes | farms, 2022 | 66 | 6 | 5 | 15 | 27 |
| | 2017 | 50 | 2 | 1 | 9 | 15 |
| acres, 2022 | 34,906 | 600 | 21 | 2,928 | 9,294 | |
| | 2017 | 26,987 | (D) | (D) | 3,640 | 4,058 |
| Diseases in crops and orchards | farms, 2022 | 76 | 12 | 5 | 11 | 15 |
| | 2017 | 55 | 22 | 7 | 23 | 14 |
| acres, 2022 | 22,562 | 1,512 | 21 | 6,193 | 4,798 | |
| | 2017 | 23,501 | 619 | (D) | 1,074 | 7,333 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate | farms, 2022 | 84 | 3 | 5 | 11 | 20 |
| | 2017 | 75 | 6 | 2 | 2 | 15 |
| acres on which used, 2022 | 41,797 | 39 | 134 | 2,407 | 6,701 | |
| | 2017 | 34,704 | 96 | (D) | (D) | 4,043 |

--continued

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

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

| Item | Tazewell | Warren | Washington | Westmoreland | Wise |
|---|----------|--------|-----------------|--------------|---------------------|
| Commercial fertilizer, lime, and soil conditioners farms, 2022 | 167 | 82 | 465 | 91 | 39 |
| farms, 2017 | 211 | 70 | 680 | 119 | 57 |
| acres treated, 2022 | 8,675 | 3,378 | 23,661 | 20,935 | 861 |
| acres treated, 2017 | 16,390 | 4,486 | 37,194 | 26,347 | 1,697 |
| Cropland fertilized, except cropland pasture farms, 2022 | 106 | 60 | 369 | 86 | 22 |
| farms, 2017 | 158 | 48 | 513 | 111 | 44 |
| acres treated, 2022 | 5,443 | 2,809 | 17,221 | 20,750 | 450 |
| acres treated, 2017 | 9,300 | 3,389 | 23,516 | 25,518 | 1,070 |
| Pastureland and rangeland fertilized farms, 2022 | 90 | 36 | 177 | 13 | 23 |
| farms, 2017 | 95 | 32 | 336 | 24 | 26 |
| acres treated, 2022 | 3,232 | 569 | 6,440 | 185 | 411 |
| acres treated, 2017 | 7,090 | 1,097 | 13,678 | 829 | 627 |
| Manure farms, 2022 | 47 | 46 | 106 | 18 | 21 |
| farms, 2017 | 41 | 42 | 156 | 16 | 26 |
| acres treated, 2022 | 1,417 | 3,476 | 3,523 | 236 | 452 |
| acres treated, 2017 | 1,258 | 3,760 | 5,021 | 968 | 756 |
| Organic fertilizer farms, 2022 | 4 | 11 | 11 | 3 | 5 |
| farms, 2017 | 4 | 6 | 27 | 1 | 3 |
| acres treated, 2022 | 245 | (D) | 69 | (D) | 62 |
| acres treated, 2017 | 759 | 1,964 | 281 | (D) | 62 |
| Acres treated to control- | | | | | |
| Insects farms, 2022 | 9 | 12 | 51 | 67 | 5 |
| farms, 2017 | 9 | 7 | 58 | 74 | 11 |
| acres, 2022 | 224 | 137 | 711 | 12,611 | 38 |
| acres, 2017 | 2,009 | (D) | 1,623 | 18,162 | 138 |
| Weeds, grass, or brush farms, 2022 | 132 | 51 | 289 | 78 | 19 |
| farms, 2017 | 123 | 35 | 270 | 88 | 30 |
| acres, 2022 | 7,587 | 1,960 | 13,635 | 23,373 | 275 |
| acres, 2017 | 10,552 | 1,664 | 15,009 | 26,446 | 1,348 |
| Nematodes farms, 2022 | 5 | 4 | 19 | 11 | 1 |
| farms, 2017 | 3 | 1 | 6 | 13 | - |
| acres, 2022 | 20 | 4 | 167 | 1,620 | (D) |
| acres, 2017 | 14 | (D) | 556 | 2,392 | - |
| Diseases in crops and orchards farms, 2022 | 3 | 6 | 25 | 28 | 8 |
| farms, 2017 | 6 | 6 | 21 | 31 | 5 |
| acres, 2022 | 13 | 27 | 159 | 8,429 | 44 |
| acres, 2017 | 10 | 193 | 96 | 9,943 | 46 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022 | 5 | 6 | 16 | 14 | 4 |
| farms, 2017 | - | - | 7 | 5 | - |
| acres on which used, 2022 | 131 | 104 | 406 | 1,415 | 83 |
| acres on which used, 2017 | - | - | 49 | (D) | - |
| Item | Wythe | York | Chesapeake City | Suffolk | Virginia Beach City |
| Commercial fertilizer, lime, and soil conditioners farms, 2022 | 339 | 7 | 64 | 112 | 60 |
| farms, 2017 | 467 | 14 | 99 | 127 | 69 |
| acres treated, 2022 | 26,472 | 39 | 18,514 | 41,631 | 15,740 |
| acres treated, 2017 | 34,624 | 63 | 24,158 | 39,847 | 15,994 |
| Cropland fertilized, except cropland pasture farms, 2022 | 260 | 6 | 48 | 94 | 45 |
| farms, 2017 | 406 | 10 | 83 | 101 | 56 |
| acres treated, 2022 | 21,205 | (D) | 18,381 | 41,393 | 15,541 |
| acres treated, 2017 | 24,197 | (D) | 23,884 | 39,632 | 15,644 |
| Pastureland and rangeland fertilized farms, 2022 | 142 | 1 | 18 | 20 | 15 |
| farms, 2017 | 207 | 4 | 28 | 27 | 14 |
| acres treated, 2022 | 5,267 | (D) | 133 | 238 | 199 |
| acres treated, 2017 | 10,427 | (D) | 274 | 215 | 350 |
| Manure farms, 2022 | 77 | 5 | 27 | 28 | 9 |
| farms, 2017 | 116 | 2 | 31 | 24 | 15 |
| acres treated, 2022 | 3,604 | 17 | 139 | 482 | 319 |
| acres treated, 2017 | 4,442 | (D) | 474 | 1,352 | 200 |
| Organic fertilizer farms, 2022 | 14 | 1 | 1 | 3 | 2 |
| farms, 2017 | 26 | 1 | 7 | 1 | 6 |
| acres treated, 2022 | 233 | (D) | (D) | (D) | (D) |
| acres treated, 2017 | 658 | (D) | 515 | (D) | 33 |
| Acres treated to control- | | | | | |
| Insects farms, 2022 | 44 | 6 | 24 | 69 | 41 |
| farms, 2017 | 39 | 5 | 59 | 81 | 40 |
| acres, 2022 | 2,405 | 27 | 4,950 | 24,662 | 10,031 |
| acres, 2017 | 3,845 | 17 | 20,466 | 41,978 | 12,404 |
| Weeds, grass, or brush farms, 2022 | 204 | 7 | 68 | 107 | 55 |
| farms, 2017 | 250 | 5 | 72 | 106 | 71 |
| acres, 2022 | 16,490 | 71 | 27,700 | 53,014 | 16,869 |
| acres, 2017 | 13,571 | 23 | 28,849 | 47,438 | 16,650 |
| Nematodes farms, 2022 | 11 | - | 7 | 32 | 4 |
| farms, 2017 | 6 | 1 | 2 | 29 | 15 |
| acres, 2022 | 554 | - | 1,308 | 15,931 | 144 |
| acres, 2017 | 863 | (D) | (D) | 15,253 | 1,699 |
| Diseases in crops and orchards farms, 2022 | 16 | 2 | 5 | 38 | 17 |
| farms, 2017 | 11 | 1 | 16 | 39 | 23 |
| acres, 2022 | 684 | (D) | 642 | 10,773 | 6,074 |
| acres, 2017 | 714 | (D) | 11,412 | 19,070 | 8,797 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022 | 15 | 1 | 7 | 44 | 8 |
| farms, 2017 | 2 | - | 4 | 33 | 1 |
| acres on which used, 2022 | 252 | (D) | (D) | 18,395 | 535 |
| acres on which used, 2017 | (D) | - | 12 | 9,310 | (D) |