

Table 40. Fertilizers and Chemicals Applied: 2017 and 2012

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

| Item | Kansas | Allen | Anderson | Atchison | Barber |
|--|------------|---------|----------|----------|---------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 31,867 | 235 | 361 | 460 | 217 |
|farms, 2012 | 32,538 | 264 | 434 | 426 | 183 |
|acres treated, 2017 | 18,112,729 | 79,167 | 141,240 | 143,949 | 153,708 |
|acres treated, 2012 | 16,925,603 | 72,856 | 124,473 | 118,539 | 113,123 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 28,020 | 155 | 292 | 368 | 198 |
|farms, 2012 | 28,836 | 211 | 364 | 354 | 177 |
|acres treated, 2017 | 17,119,672 | 61,599 | 125,794 | 118,958 | 148,372 |
|acres treated, 2012 | 15,909,606 | 58,753 | 108,699 | 96,725 | 108,398 |
| Pastureland and rangeland fertilizedfarms, 2017 | 7,487 | 120 | 150 | 225 | 44 |
|farms, 2012 | 7,736 | 113 | 167 | 216 | 19 |
|acres treated, 2017 | 993,057 | 17,568 | 15,446 | 24,991 | 5,336 |
|acres treated, 2012 | 1,015,997 | 14,103 | 15,774 | 21,814 | 4,725 |
| Manurefarms, 2017 | 4,766 | 37 | 75 | 77 | 20 |
|farms, 2012 | 4,582 | 36 | 59 | 79 | 18 |
|acres treated, 2017 | 603,484 | 1,632 | 6,673 | 5,815 | 969 |
|acres treated, 2012 | 570,047 | 1,127 | 1,876 | 1,979 | 1,832 |
| Organic fertilizer (see text)farms, 2017 | 616 | - | 12 | 11 | 7 |
|farms, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
|acres treated, 2017 | 120,340 | - | 632 | 6,836 | 1,550 |
|acres treated, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | |
| Insectsfarms, 2017 | 10,499 | 87 | 148 | 150 | 87 |
|farms, 2012 | 9,626 | 69 | 74 | 83 | 66 |
|acres, 2017 | 4,903,052 | 34,756 | 65,749 | 36,470 | 59,017 |
|acres, 2012 | 3,462,433 | 13,855 | 20,973 | 25,928 | 11,725 |
| Weeds, grass, or brushfarms, 2017 | 28,650 | 164 | 311 | 393 | 200 |
|farms, 2012 | 32,857 | 247 | 343 | 369 | 212 |
|acres, 2017 | 21,736,980 | 91,801 | 192,009 | 149,144 | 183,642 |
|acres, 2012 | 21,834,196 | 80,957 | 163,325 | 129,634 | 143,143 |
| Nematodesfarms, 2017 | 865 | 7 | 9 | 23 | 1 |
|farms, 2012 | 838 | 4 | 6 | 11 | 1 |
|acres, 2017 | 258,451 | 3,045 | 5,878 | 3,023 | (D) |
|acres, 2012 | 247,381 | 1,024 | 1,092 | 1,646 | (D) |
| Diseases in crops and orchardsfarms, 2017 | 4,309 | 12 | 24 | 39 | 44 |
|farms, 2012 | 4,292 | 6 | 22 | 17 | 21 |
|acres, 2017 | 2,373,100 | 4,455 | 6,545 | 6,089 | 53,117 |
|acres, 2012 | 2,026,089 | 2,385 | 7,933 | 1,975 | 14,466 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 425 | - | - | - | 10 |
|farms, 2012 | 386 | - | 3 | 4 | 5 |
|acres on which used, 2017 | 134,339 | - | - | - | 5,659 |
|acres on which used, 2012 | 61,841 | - | 148 | 1,200 | 1,098 |
| Item | Barton | Bourbon | Brown | Butler | Chase |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 344 | 364 | 377 | 614 | 124 |
|farms, 2012 | 404 | 348 | 342 | 559 | 115 |
|acres treated, 2017 | 257,264 | 91,974 | 211,058 | 233,109 | 42,086 |
|acres treated, 2012 | 274,919 | 85,466 | 178,519 | 185,404 | 29,115 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 334 | 219 | 339 | 534 | 117 |
|farms, 2012 | 394 | 214 | 291 | 470 | 89 |
|acres treated, 2017 | 250,435 | 52,015 | 196,274 | 213,353 | 36,453 |
|acres treated, 2012 | 260,951 | 45,240 | 162,509 | 168,596 | 22,290 |
| Pastureland and rangeland fertilizedfarms, 2017 | 28 | 229 | 117 | 129 | 17 |
|farms, 2012 | 52 | 212 | 119 | 172 | 36 |
|acres treated, 2017 | 6,829 | 39,959 | 14,784 | 19,756 | 5,633 |
|acres treated, 2012 | 13,968 | 40,226 | 16,010 | 16,808 | 6,825 |
| Manurefarms, 2017 | 55 | 50 | 74 | 123 | 22 |
|farms, 2012 | 58 | 60 | 56 | 93 | 28 |
|acres treated, 2017 | 4,188 | 4,844 | 4,294 | 13,694 | 1,170 |
|acres treated, 2012 | 4,866 | 2,114 | 3,403 | 7,464 | 1,497 |
| Organic fertilizer (see text)farms, 2017 | 6 | 13 | 9 | 13 | 6 |
|farms, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
|acres treated, 2017 | 252 | 2,462 | 845 | 741 | 447 |
|acres treated, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | |
| Insectsfarms, 2017 | 132 | 74 | 172 | 215 | 61 |
|farms, 2012 | 170 | 54 | 133 | 130 | 28 |
|acres, 2017 | 65,692 | 19,859 | 89,533 | 64,437 | 9,500 |
|acres, 2012 | 48,264 | 10,018 | 64,677 | 32,945 | 3,197 |
| Weeds, grass, or brushfarms, 2017 | 333 | 269 | 360 | 511 | 107 |
|farms, 2012 | 450 | 279 | 339 | 543 | 102 |
|acres, 2017 | 282,034 | 77,133 | 241,780 | 252,659 | 43,226 |
|acres, 2012 | 323,475 | 67,662 | 212,979 | 245,697 | 34,445 |
| Nematodesfarms, 2017 | 9 | 3 | 24 | 26 | 1 |
|farms, 2012 | 9 | 3 | 20 | 7 | - |
|acres, 2017 | 1,708 | 383 | 11,322 | 8,838 | (D) |
|acres, 2012 | 2,869 | 1,342 | 6,486 | 988 | - |
| Diseases in crops and orchardsfarms, 2017 | 70 | 15 | 51 | 71 | 9 |
|farms, 2012 | 56 | 7 | 37 | 66 | 6 |
|acres, 2017 | 33,260 | 3,774 | 36,419 | 17,166 | 4,834 |
|acres, 2012 | 20,939 | 612 | 28,610 | 17,356 | 599 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 2 | 1 | - | 6 | - |
|farms, 2012 | 2 | 5 | 1 | 5 | - |
|acres on which used, 2017 | (D) | (D) | - | 104 | - |
|acres on which used, 2012 | (D) | 32 | (D) | 114 | - |

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

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

| Item | Chautauqua | Cherokee | Cheyenne | Clark | Clay | Cloud |
|---|------------|----------|----------|----------|---------|-----------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 118 | 426 | 209 | 92 | 342 | 235 |
| 2012 | 97 | 364 | 193 | 102 | 354 | 261 |
| acres treated, 2017 | 29,699 | 157,936 | 192,535 | 76,761 | 175,769 | 148,151 |
| 2012 | 20,757 | 151,476 | 141,875 | 78,129 | 158,613 | 129,378 |
| Cropland fertilized, except cropland pasture farms, 2017 | 44 | 305 | 204 | 89 | 328 | 227 |
| 2012 | 48 | 280 | 191 | 98 | 334 | 245 |
| acres treated, 2017 | 15,790 | 131,955 | 190,566 | 69,552 | 171,099 | 144,944 |
| 2012 | 11,677 | 136,045 | 141,532 | 77,037 | 150,617 | 124,399 |
| Pastureland and rangeland fertilized farms, 2017 | 79 | 186 | 12 | 10 | 48 | 25 |
| 2012 | 59 | 149 | 5 | 6 | 63 | 43 |
| acres treated, 2017 | 13,909 | 25,981 | 1,969 | 7,209 | 4,670 | 3,207 |
| 2012 | 9,080 | 15,431 | 343 | 1,092 | 7,996 | 4,979 |
| Manure farms, 2017 | 18 | 54 | 40 | 9 | 69 | 17 |
| 2012 | 18 | 60 | 28 | 13 | 63 | 16 |
| acres treated, 2017 | 50 | 19,774 | 5,934 | 14,345 | 6,826 | 739 |
| 2012 | 1,751 | 16,835 | 4,851 | 3,367 | 3,867 | 509 |
| Organic fertilizer (see text) farms, 2017 | 7 | 18 | 4 | 1 | 11 | 2 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | (D) | 1,026 | 1,685 | (D) | 516 | (D) |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 10 | 153 | 77 | 15 | 155 | 105 |
| 2012 | 12 | 124 | 67 | 18 | 137 | 103 |
| acres, 2017 | 6,382 | 122,299 | 73,435 | 8,854 | 44,220 | 49,726 |
| 2012 | 1,403 | 52,792 | 31,019 | 6,080 | 27,408 | 20,921 |
| Weeds, grass, or brush farms, 2017 | 101 | 335 | 200 | 85 | 336 | 226 |
| 2012 | 91 | 316 | 229 | 114 | 374 | 296 |
| acres, 2017 | 46,006 | 221,926 | 237,770 | 131,945 | 229,308 | 179,606 |
| 2012 | 32,324 | 191,438 | 219,183 | 102,454 | 197,276 | 192,111 |
| Nematodes farms, 2017 | - | 22 | 4 | - | 16 | 5 |
| 2012 | - | 10 | 2 | - | 3 | 3 |
| acres, 2017 | - | 14,849 | 1,190 | - | 4,981 | (D) |
| 2012 | - | 2,201 | (D) | - | (D) | 252 |
| Diseases in crops and orchards farms, 2017 | 4 | 68 | 61 | 22 | 79 | 28 |
| 2012 | 3 | 22 | 46 | 19 | 41 | 42 |
| acres, 2017 | 740 | 44,483 | 41,762 | 15,751 | 25,431 | 10,211 |
| 2012 | 85 | 6,542 | 18,673 | 11,375 | 15,316 | 15,340 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 1 | 7 | 6 | - | 8 | 1 |
| 2012 | 2 | 10 | - | - | 1 | 1 |
| acres on which used, 2017 | (D) | 389 | 4,511 | - | 2,189 | (D) |
| 2012 | (D) | 1,538 | - | - | (D) | (D) |
| Item | Coffey | Comanche | Cowley | Crawford | Decatur | Dickinson |
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 325 | 104 | 473 | 376 | 194 | 530 |
| 2012 | 312 | 102 | 495 | 396 | 205 | 537 |
| acres treated, 2017 | 102,588 | 84,144 | 155,846 | 143,510 | 155,251 | 255,641 |
| 2012 | 99,209 | 65,306 | 201,254 | 122,996 | 175,441 | 228,411 |
| Cropland fertilized, except cropland pasture farms, 2017 | 253 | 102 | 394 | 250 | 190 | 494 |
| 2012 | 244 | 99 | 424 | 288 | 205 | 500 |
| acres treated, 2017 | 89,649 | 81,448 | 145,276 | 107,784 | 153,688 | 241,503 |
| 2012 | 87,732 | 63,137 | 174,113 | 90,024 | 174,222 | 218,044 |
| Pastureland and rangeland fertilized farms, 2017 | 108 | 7 | 122 | 217 | 10 | 101 |
| 2012 | 104 | 8 | 130 | 207 | 5 | 97 |
| acres treated, 2017 | 12,939 | 2,696 | 10,570 | 35,726 | 1,563 | 14,138 |
| 2012 | 11,477 | 2,169 | 27,141 | 32,972 | 1,219 | 10,367 |
| Manure farms, 2017 | 54 | 5 | 36 | 56 | 19 | 100 |
| 2012 | 40 | 6 | 53 | 49 | 13 | 106 |
| acres treated, 2017 | 4,032 | 401 | 920 | 7,333 | 2,249 | 12,291 |
| 2012 | 1,146 | 83 | 2,901 | 10,353 | 1,000 | 12,544 |
| Organic fertilizer (see text) farms, 2017 | 8 | - | 16 | 5 | 4 | 8 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 836 | - | 2,737 | 590 | 2,439 | 1,147 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 124 | 27 | 147 | 141 | 37 | 206 |
| 2012 | 72 | 48 | 137 | 91 | 32 | 244 |
| acres, 2017 | 39,251 | 9,458 | 71,096 | 95,616 | 28,423 | 71,403 |
| 2012 | 13,503 | 14,930 | 40,023 | 48,012 | 5,634 | 55,565 |
| Weeds, grass, or brush farms, 2017 | 307 | 95 | 444 | 297 | 175 | 485 |
| 2012 | 302 | 117 | 496 | 339 | 215 | 562 |
| acres, 2017 | 149,025 | 102,604 | 189,016 | 164,470 | 212,373 | 279,723 |
| 2012 | 128,660 | 116,899 | 233,443 | 142,984 | 215,920 | 271,716 |
| Nematodes farms, 2017 | 20 | 2 | 4 | 15 | 5 | 16 |
| 2012 | 5 | 1 | 16 | 8 | 2 | 12 |
| acres, 2017 | 6,536 | (D) | 980 | 2,864 | 260 | 6,930 |
| 2012 | 1,124 | (D) | 7,226 | 3,686 | (D) | 1,737 |
| Diseases in crops and orchards farms, 2017 | 30 | 9 | 33 | 46 | 41 | 99 |
| 2012 | 7 | 14 | 49 | 41 | 48 | 104 |
| acres, 2017 | 8,758 | 2,800 | 36,774 | 23,125 | 32,390 | 32,376 |
| 2012 | 315 | 5,952 | 23,565 | 34,337 | 28,868 | 40,870 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 6 | - | 19 | 8 | 6 | 6 |
| 2012 | 1 | 9 | 26 | 5 | - | 5 |
| acres on which used, 2017 | 18 | - | 14,233 | 3,586 | 5,036 | 892 |
| 2012 | (D) | 1,019 | 7,766 | 120 | - | 1,120 |

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

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

| Item | Doniphan | Douglas | Edwards | Elk | Ellis | Ellsworth |
|--|----------|---------|----------|--------|---------|-----------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 289 | 454 | 164 | 130 | 306 | 194 |
| 2012 | 276 | 429 | 175 | 102 | 298 | 210 |
| acres treated, 2017 | 114,322 | 92,433 | 164,727 | 31,976 | 133,027 | 110,480 |
| 2012 | 107,684 | 80,102 | 188,236 | 30,947 | 125,412 | 100,863 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 258 | 377 | 159 | 92 | 300 | 189 |
| 2012 | 236 | 342 | 173 | 58 | 295 | 203 |
| acres treated, 2017 | 106,948 | 76,021 | 162,454 | 25,870 | 128,127 | 107,059 |
| 2012 | 97,830 | 62,778 | 185,567 | 14,627 | 114,182 | 98,786 |
| Pastureland and rangeland fertilizedfarms, 2017 | 96 | 169 | 11 | 54 | 25 | 15 |
| 2012 | 102 | 201 | 11 | 61 | 24 | 12 |
| acres treated, 2017 | 7,374 | 16,412 | 2,273 | 6,106 | 4,900 | 3,421 |
| 2012 | 9,854 | 17,324 | 2,669 | 16,320 | 11,230 | 2,077 |
| Manurefarms, 2017 | 40 | 103 | 8 | 12 | 45 | 15 |
| 2012 | 23 | 86 | 14 | 5 | 48 | 18 |
| acres treated, 2017 | 5,084 | 2,894 | 857 | 1,392 | 3,596 | 671 |
| 2012 | 1,351 | 2,053 | 4,632 | (D) | 3,062 | 921 |
| Organic fertilizer (see text)farms, 2017 | - | 17 | 2 | 4 | 4 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | - | 602 | (D) | 1,770 | 457 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 175 | 103 | 69 | 26 | 60 | 72 |
| 2012 | 94 | 99 | 95 | 16 | 58 | 63 |
| acres, 2017 | 65,189 | 12,667 | 38,288 | 15,498 | 12,687 | 9,242 |
| 2012 | 33,065 | 11,339 | 56,380 | 6,777 | 13,186 | 9,269 |
| Weeds, grass, or brushfarms, 2017 | 275 | 407 | 153 | 119 | 286 | 185 |
| 2012 | 274 | 385 | 184 | 124 | 373 | 221 |
| acres, 2017 | 128,607 | 115,636 | 207,516 | 58,819 | 200,030 | 128,331 |
| 2012 | 120,305 | 101,955 | 251,712 | 46,471 | 174,428 | 131,589 |
| Nematodesfarms, 2017 | 59 | 9 | 3 | 2 | 9 | 2 |
| 2012 | 22 | 11 | 3 | 3 | - | 4 |
| acres, 2017 | 19,077 | 511 | 264 | (D) | 570 | (D) |
| 2012 | 7,627 | 2,183 | 4,265 | 1,570 | - | 795 |
| Diseases in crops and orchardsfarms, 2017 | 66 | 31 | 42 | 7 | 33 | 12 |
| 2012 | 33 | 36 | 65 | 3 | 12 | 31 |
| acres, 2017 | 39,668 | 1,491 | 36,632 | (D) | 6,102 | 2,662 |
| 2012 | 10,870 | 1,169 | 54,805 | (D) | 4,201 | 12,355 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 1 | 6 | 2 | 3 | 7 | 3 |
| 2012 | 3 | 8 | 10 | 2 | 4 | 1 |
| acres on which used, 2017 | (D) | 158 | (D) | 99 | 321 | 8 |
| 2012 | (D) | 49 | 2,043 | (D) | 477 | (D) |
| Item | Finney | Ford | Franklin | Geary | Gove | Graham |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 253 | 312 | 496 | 114 | 194 | 201 |
| 2012 | 275 | 331 | 477 | 110 | 229 | 214 |
| acres treated, 2017 | 401,574 | 302,418 | 128,322 | 42,249 | 206,378 | 148,163 |
| 2012 | 390,219 | 265,183 | 114,961 | 32,666 | 218,932 | 140,072 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 250 | 307 | 393 | 103 | 192 | 200 |
| 2012 | 274 | 329 | 373 | 93 | 229 | 208 |
| acres treated, 2017 | 400,936 | 297,587 | 109,609 | 39,909 | 205,987 | 145,653 |
| 2012 | 386,151 | 262,007 | 80,489 | 30,443 | 218,473 | 139,316 |
| Pastureland and rangeland fertilizedfarms, 2017 | 8 | 16 | 200 | 26 | 4 | 9 |
| 2012 | 9 | 21 | 227 | 27 | 5 | 13 |
| acres treated, 2017 | 638 | 4,831 | 18,713 | 2,340 | 391 | 2,510 |
| 2012 | 4,068 | 3,176 | 34,472 | 2,223 | 459 | 756 |
| Manurefarms, 2017 | 36 | 22 | 100 | 21 | 25 | 13 |
| 2012 | 36 | 36 | 65 | 21 | 21 | 9 |
| acres treated, 2017 | 14,699 | 6,142 | 6,898 | 1,449 | 3,905 | 931 |
| 2012 | 17,900 | 6,629 | 2,928 | 724 | 5,474 | 1,012 |
| Organic fertilizer (see text)farms, 2017 | 4 | 2 | 24 | 1 | 2 | 1 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 9,700 | (D) | 1,292 | (D) | (D) | (D) |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 168 | 124 | 125 | 49 | 37 | 62 |
| 2012 | 189 | 85 | 95 | 45 | 50 | 48 |
| acres, 2017 | 185,285 | 80,669 | 63,066 | 10,046 | 31,717 | 21,401 |
| 2012 | 139,985 | 53,734 | 27,230 | 10,937 | 39,249 | 10,000 |
| Weeds, grass, or brushfarms, 2017 | 261 | 291 | 432 | 103 | 181 | 192 |
| 2012 | 316 | 369 | 426 | 107 | 239 | 231 |
| acres, 2017 | 563,514 | 371,900 | 170,075 | 42,414 | 278,677 | 181,587 |
| 2012 | 530,055 | 332,880 | 174,112 | 35,633 | 282,463 | 197,311 |
| Nematodesfarms, 2017 | 10 | 4 | 1 | 1 | 5 | 3 |
| 2012 | 19 | 9 | 2 | 8 | 7 | 1 |
| acres, 2017 | 4,059 | 594 | 1,664 | (D) | 340 | 210 |
| 2012 | 8,131 | 2,578 | (D) | (D) | 1,705 | (D) |
| Diseases in crops and orchardsfarms, 2017 | 89 | 92 | 24 | 5 | 37 | 31 |
| 2012 | 86 | 88 | 25 | 4 | 59 | 34 |
| acres, 2017 | 89,782 | 71,845 | 4,718 | 1,442 | 33,626 | 13,278 |
| 2012 | 52,588 | 38,450 | 3,602 | (D) | 25,661 | 14,508 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 3 | 2 | 8 | - | - | 1 |
| 2012 | 1 | 2 | 6 | - | - | - |
| acres on which used, 2017 | 830 | (D) | 77 | - | - | (D) |
| 2012 | (D) | (D) | 201 | (D) | (D) | - |

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

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

| Item | Grant | Gray | Greeley | Greenwood | Hamilton | Harper |
|---|---------|---------|---------|-----------|----------|---------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 132 | 226 | 136 | 231 | 119 | 296 |
| 2012 | 136 | 227 | 142 | 228 | 147 | 269 |
| acres treated, 2017 | 172,590 | 280,075 | 181,054 | 56,930 | 132,739 | 236,186 |
| 2012 | 139,518 | 255,258 | 194,841 | 61,815 | 158,850 | 194,580 |
| Cropland fertilized, except cropland pasture farms, 2017 | 131 | 224 | 136 | 184 | 118 | 279 |
| 2012 | 136 | 220 | 142 | 169 | 147 | 263 |
| acres treated, 2017 | (D) | 278,968 | (D) | 38,451 | (D) | 228,362 |
| 2012 | (D) | 251,951 | 194,291 | 36,314 | 158,850 | 185,694 |
| Pastureland and rangeland fertilized farms, 2017 | 2 | 8 | 1 | 69 | 2 | 31 |
| 2012 | 1 | 14 | 3 | 96 | - | 36 |
| acres treated, 2017 | (D) | 1,107 | (D) | 18,479 | (D) | 7,824 |
| 2012 | (D) | 3,307 | 550 | 25,501 | - | 8,886 |
| Manure farms, 2017 | 53 | 35 | 10 | 34 | 29 | 18 |
| 2012 | 45 | 57 | 11 | 26 | 17 | 8 |
| acres treated, 2017 | 15,889 | 21,572 | 5,637 | 1,511 | 21,465 | 1,565 |
| 2012 | 13,430 | 24,842 | 7,812 | 3,087 | 7,196 | 1,528 |
| Organic fertilizer (see text) farms, 2017 | - | 1 | 3 | 3 | 5 | 4 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | - | (D) | 960 | 174 | 1,320 | 276 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 96 | 146 | 42 | 67 | 50 | 143 |
| 2012 | 106 | 150 | 26 | 45 | 54 | 75 |
| acres, 2017 | 96,291 | 97,874 | 37,829 | 21,484 | 45,189 | 90,104 |
| 2012 | 66,672 | 84,240 | 17,531 | 13,766 | 29,606 | 20,504 |
| Weeds, grass, or brush farms, 2017 | 129 | 232 | 135 | 253 | 128 | 267 |
| 2012 | 172 | 256 | 181 | 231 | 177 | 286 |
| acres, 2017 | 210,669 | 360,969 | 258,760 | 106,249 | 207,326 | 241,667 |
| 2012 | 205,913 | 326,703 | 314,548 | 126,965 | 247,361 | 242,235 |
| Nematodes farms, 2017 | 3 | 12 | 1 | 6 | 1 | 8 |
| 2012 | 1 | 3 | 1 | 1 | - | 6 |
| acres, 2017 | 1,722 | 2,533 | (D) | 1,740 | (D) | 494 |
| 2012 | (D) | 1,315 | (D) | (D) | - | 2,348 |
| Diseases in crops and orchards farms, 2017 | 28 | 59 | 13 | 15 | 14 | 40 |
| 2012 | 38 | 60 | 25 | 10 | 37 | 19 |
| acres, 2017 | 29,851 | 49,024 | 14,615 | 3,274 | 29,826 | 23,911 |
| 2012 | 22,126 | 40,716 | 22,402 | 911 | 36,775 | 8,014 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 8 | 5 | - | 2 | - | 20 |
| 2012 | 11 | 4 | 1 | 1 | 1 | 4 |
| acres on which used, 2017 | 3,861 | 745 | - | (D) | - | 9,084 |
| 2012 | 2,515 | 430 | (D) | (D) | (D) | 2,304 |

| Item | Harvey | Haskell | Hodgeman | Jackson | Jefferson | Jewell |
|---|---------|---------|----------|---------|-----------|---------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 470 | 146 | 198 | 572 | 562 | 300 |
| 2012 | 469 | 121 | 211 | 512 | 531 | 295 |
| acres treated, 2017 | 233,078 | 201,870 | 185,070 | 132,990 | 109,046 | 225,272 |
| 2012 | 221,315 | 149,451 | 149,144 | 112,903 | 95,436 | 209,737 |
| Cropland fertilized, except cropland pasture farms, 2017 | 443 | 145 | 191 | 421 | 436 | 291 |
| 2012 | 432 | 120 | 209 | 347 | 361 | 292 |
| acres treated, 2017 | 229,283 | 200,952 | 181,104 | 98,260 | 84,971 | 220,263 |
| 2012 | 219,024 | 148,917 | 148,272 | 70,978 | 70,282 | 203,856 |
| Pastureland and rangeland fertilized farms, 2017 | 66 | 4 | 14 | 289 | 273 | 34 |
| 2012 | 72 | 4 | 6 | 299 | 271 | 31 |
| acres treated, 2017 | 3,795 | 918 | 3,966 | 34,730 | 24,075 | 5,009 |
| 2012 | 2,291 | 534 | 872 | 41,925 | 25,154 | 5,881 |
| Manure farms, 2017 | 81 | 31 | 19 | 95 | 111 | 40 |
| 2012 | 98 | 36 | 41 | 99 | 107 | 20 |
| acres treated, 2017 | 6,041 | 15,471 | 2,921 | 4,816 | 2,576 | 2,782 |
| 2012 | 6,009 | 13,959 | 6,322 | 3,933 | 3,446 | 1,284 |
| Organic fertilizer (see text) farms, 2017 | 5 | - | 3 | 10 | 21 | 3 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 629 | - | (D) | 692 | 1,465 | 710 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 214 | 107 | 59 | 73 | 108 | 81 |
| 2012 | 180 | 79 | 52 | 83 | 98 | 111 |
| acres, 2017 | 63,004 | 103,658 | 19,988 | 24,708 | 33,193 | 16,569 |
| 2012 | 37,832 | 67,600 | 25,929 | 21,576 | 13,970 | 51,893 |
| Weeds, grass, or brush farms, 2017 | 415 | 144 | 192 | 433 | 471 | 281 |
| 2012 | 452 | 132 | 242 | 430 | 455 | 313 |
| acres, 2017 | 242,774 | 238,916 | 197,712 | 123,252 | 100,164 | 252,232 |
| 2012 | 257,537 | 192,215 | 204,246 | 84,465 | 106,587 | 282,171 |
| Nematodes farms, 2017 | 15 | 2 | 3 | 4 | 17 | 6 |
| 2012 | 8 | 5 | 3 | 8 | 16 | 5 |
| acres, 2017 | 3,805 | (D) | 331 | 873 | 2,365 | 2,972 |
| 2012 | 1,849 | 2,280 | 179 | 1,367 | 2,331 | 4,200 |
| Diseases in crops and orchards farms, 2017 | 114 | 58 | 34 | 16 | 25 | 40 |
| 2012 | 76 | 45 | 59 | 25 | 26 | 81 |
| acres, 2017 | 42,549 | 46,720 | 19,156 | 3,368 | 4,275 | 21,988 |
| 2012 | 25,143 | 34,768 | 29,766 | 2,674 | 1,668 | 39,622 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 3 | 5 | 2 | - | 1 | 1 |
| 2012 | 7 | 6 | 7 | 1 | 8 | 3 |
| acres on which used, 2017 | (D) | 2,248 | (D) | - | (D) | (D) |
| 2012 | 2,174 | 1,684 | 1,285 | (D) | 151 | 152 |

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

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

| Item | Johnson | Kearny | Kingman | Kiowa | Labette | Lane |
|--|-------------|---------|---------|---------|---------|-----------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 272 | 137 | 382 | 166 | 515 | 123 |
| 2012 | 228 | 170 | 407 | 182 | 489 | 147 |
| acres treated, 2017 | 38,004 | 175,088 | 208,837 | 152,563 | 199,000 | 143,381 |
| 2012 | 34,315 | 199,275 | 196,408 | 131,038 | 150,529 | 133,065 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 212 | 137 | 369 | 158 | 302 | 123 |
| 2012 | 151 | 168 | 391 | 180 | 326 | 147 |
| acres treated, 2017 | 32,255 | (D) | 204,698 | 150,350 | 144,233 | (D) |
| 2012 | 27,138 | 193,995 | 191,570 | 127,679 | 105,740 | 132,607 |
| Pastureland and rangeland fertilizedfarms, 2017 | 102 | 2 | 28 | 17 | 312 | 2 |
| 2012 | 109 | 13 | 35 | 13 | 273 | 4 |
| acres treated, 2017 | 5,749 | (D) | 4,139 | 2,213 | 54,767 | (D) |
| 2012 | 7,177 | 5,280 | 4,838 | 3,359 | 44,789 | 458 |
| Manurefarms, 2017 | 46 | 16 | 34 | 6 | 62 | 16 |
| 2012 | 65 | 21 | 43 | 8 | 59 | 35 |
| acres treated, 2017 | 3,172 | 8,759 | 2,108 | 1,240 | 8,036 | 3,464 |
| 2012 | 2,822 | 7,425 | 2,386 | 311 | 9,634 | 5,106 |
| Organic fertilizer (see text)farms, 2017 | 19 | - | 6 | - | 6 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 903 | - | 597 | - | 341 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 63 | 64 | 150 | 58 | 161 | 15 |
| 2012 | 58 | 71 | 115 | 61 | 90 | 12 |
| acres, 2017 | 10,477 | 37,401 | 41,564 | 33,060 | 92,325 | 12,144 |
| 2012 | 17,753 | 41,321 | 16,217 | 25,890 | 46,519 | 7,114 |
| Weeds, grass, or brushfarms, 2017 | 211 | 131 | 347 | 156 | 367 | 118 |
| 2012 | 205 | 184 | 461 | 205 | 424 | 188 |
| acres, 2017 | 35,815 | 249,580 | 173,568 | 162,923 | 188,843 | 221,028 |
| 2012 | 51,851 | 265,920 | 246,834 | 178,811 | 169,155 | 223,305 |
| Nematodesfarms, 2017 | 5 | 1 | 15 | - | 6 | - |
| 2012 | 13 | 4 | 4 | 2 | 19 | 1 |
| acres, 2017 | (D) | (D) | 2,164 | - | 117 | - |
| 2012 | 4,920 | 1,129 | (D) | (D) | 1,446 | (D) |
| Diseases in crops and orchardsfarms, 2017 | 14 | 33 | 43 | 53 | 46 | 14 |
| 2012 | 14 | 38 | 68 | 46 | 27 | 39 |
| acres, 2017 | 1,079 | 54,441 | 31,003 | 38,231 | 12,562 | 5,384 |
| 2012 | 302 | 25,179 | 34,962 | 27,117 | 8,659 | 25,912 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | - | 1 | 10 | 7 | 4 | 3 |
| 2012 | 4 | 3 | 2 | 5 | 7 | - |
| acres on which used, 2017 | - | (D) | 3,890 | 4,830 | (D) | 245 |
| 2012 | 17 | 762 | (D) | 1,287 | 86 | - |
| Item | Leavenworth | Lincoln | Linn | Logan | Lyon | McPherson |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 609 | 223 | 387 | 166 | 425 | 659 |
| 2012 | 590 | 254 | 373 | 175 | 412 | 766 |
| acres treated, 2017 | 82,223 | 141,275 | 77,278 | 174,474 | 110,215 | 340,093 |
| 2012 | 71,404 | 130,582 | 80,839 | 166,684 | 85,150 | 330,270 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 447 | 215 | 252 | 163 | 360 | 638 |
| 2012 | 400 | 244 | 247 | 174 | 343 | 743 |
| acres treated, 2017 | 59,241 | 130,169 | 58,317 | (D) | 101,873 | 335,328 |
| 2012 | 53,139 | 126,464 | 54,102 | 166,548 | 69,907 | 321,234 |
| Pastureland and rangeland fertilizedfarms, 2017 | 315 | 30 | 190 | 3 | 108 | 67 |
| 2012 | 314 | 31 | 205 | 3 | 116 | 87 |
| acres treated, 2017 | 22,982 | 11,106 | 18,961 | (D) | 8,342 | 4,765 |
| 2012 | 18,265 | 4,118 | 26,737 | 136 | 15,243 | 9,036 |
| Manurefarms, 2017 | 109 | 8 | 39 | 26 | 70 | 102 |
| 2012 | 112 | 15 | 60 | 19 | 55 | 95 |
| acres treated, 2017 | 3,684 | 346 | 3,793 | 10,316 | 1,654 | 12,197 |
| 2012 | 2,558 | 1,850 | 7,757 | 8,139 | 2,533 | 5,963 |
| Organic fertilizer (see text)farms, 2017 | 22 | 4 | 9 | 3 | 4 | 9 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 2,161 | (D) | 343 | 564 | 461 | 1,452 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 130 | 60 | 58 | 45 | 117 | 223 |
| 2012 | 100 | 66 | 51 | 37 | 102 | 252 |
| acres, 2017 | 22,666 | 13,806 | 35,827 | 28,434 | 56,590 | 55,683 |
| 2012 | 12,270 | 8,663 | 19,239 | 19,894 | 14,534 | 53,352 |
| Weeds, grass, or brushfarms, 2017 | 474 | 206 | 288 | 160 | 430 | 611 |
| 2012 | 438 | 287 | 337 | 224 | 426 | 792 |
| acres, 2017 | 80,996 | 156,236 | 115,435 | 228,852 | 204,266 | 332,231 |
| 2012 | 61,206 | 179,706 | 109,613 | 247,673 | 154,871 | 381,161 |
| Nematodesfarms, 2017 | 19 | - | 15 | 2 | 8 | 19 |
| 2012 | 14 | 4 | 3 | 2 | 8 | 23 |
| acres, 2017 | 2,439 | - | 12,745 | (D) | 1,162 | 9,601 |
| 2012 | 411 | 642 | 264 | (D) | 326 | 2,427 |
| Diseases in crops and orchardsfarms, 2017 | 36 | 21 | 12 | 28 | 21 | 109 |
| 2012 | 25 | 34 | 11 | 14 | 24 | 130 |
| acres, 2017 | 4,685 | 11,259 | (D) | 12,285 | 8,717 | 53,618 |
| 2012 | 539 | 10,841 | 1,677 | 6,320 | 3,584 | 41,828 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 6 | - | 5 | 3 | 2 | 2 |
| 2012 | 6 | - | 6 | 4 | 1 | 3 |
| acres on which used, 2017 | 9 | - | 487 | 1,944 | (D) | (D) |
| 2012 | 16 | - | 512 | 242 | (D) | 315 |

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

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

| Item | Marion | Marshall | Meade | Miami | Mitchell | Montgomery |
|---|---------|----------|---------|---------|----------|------------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 579 | 589 | 217 | 749 | 260 | 351 |
| 2012 | 666 | 546 | 205 | 660 | 301 | 337 |
| acres treated, 2017 | 237,076 | 242,180 | 208,184 | 124,284 | 228,670 | 129,034 |
| 2012 | 253,176 | 199,932 | 215,777 | 107,555 | 217,411 | 111,320 |
| Cropland fertilized, except cropland pasture farms, 2017 | 542 | 553 | 203 | 515 | 249 | 195 |
| 2012 | 626 | 520 | 205 | 431 | 293 | 227 |
| acres treated, 2017 | 226,985 | 228,894 | 207,856 | 88,503 | 218,673 | 102,454 |
| 2012 | 232,833 | 187,142 | (D) | 78,767 | 212,677 | 91,009 |
| Pastureland and rangeland fertilized farms, 2017 | 109 | 122 | 15 | 417 | 33 | 207 |
| 2012 | 145 | 111 | 3 | 369 | 36 | 175 |
| acres treated, 2017 | 10,091 | 13,286 | 328 | 35,781 | 9,997 | 26,580 |
| 2012 | 20,343 | 12,790 | (D) | 28,788 | 4,734 | 20,311 |
| Manure farms, 2017 | 145 | 80 | 32 | 135 | 30 | 54 |
| 2012 | 140 | 56 | 35 | 140 | 21 | 71 |
| acres treated, 2017 | 12,369 | 6,332 | 7,874 | 11,306 | 2,074 | 8,191 |
| 2012 | 15,284 | 2,332 | 5,432 | 4,677 | 2,852 | 32,227 |
| Organic fertilizer (see text) farms, 2017 | 9 | 13 | - | 25 | - | 20 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 283 | 2,114 | - | 735 | - | 2,960 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 243 | 97 | 112 | 117 | 66 | 113 |
| 2012 | 212 | 175 | 108 | 74 | 69 | 75 |
| acres, 2017 | 73,838 | 31,442 | 107,853 | 49,851 | 21,781 | 60,238 |
| 2012 | 49,048 | 68,233 | 80,393 | 23,436 | 20,804 | 22,609 |
| Weeds, grass, or brush farms, 2017 | 491 | 537 | 188 | 536 | 257 | 317 |
| 2012 | 633 | 538 | 224 | 520 | 310 | 320 |
| acres, 2017 | 283,154 | 308,206 | 234,355 | 132,754 | 253,762 | 170,484 |
| 2012 | 282,860 | 270,339 | 296,306 | 126,410 | 289,932 | 131,234 |
| Nematodes farms, 2017 | 12 | 23 | 5 | 18 | 4 | 5 |
| 2012 | 12 | 55 | 1 | 9 | 7 | 3 |
| acres, 2017 | 1,076 | 8,108 | 2,723 | 5,451 | 564 | 762 |
| 2012 | 2,545 | 14,734 | (D) | 1,201 | 1,110 | 90 |
| Diseases in crops and orchards farms, 2017 | 94 | 15 | 35 | 45 | 31 | 23 |
| 2012 | 106 | 44 | 60 | 21 | 42 | 21 |
| acres, 2017 | 26,371 | 1,432 | 24,607 | 8,179 | 20,759 | 15,135 |
| 2012 | 25,237 | 14,009 | 36,137 | 6,053 | 21,860 | 3,344 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 1 | - | 1 | 12 | - | 3 |
| 2012 | 1 | 1 | 2 | 6 | 2 | 3 |
| acres on which used, 2017 | (D) | - | (D) | 103 | - | 11 |
| 2012 | (D) | (D) | (D) | 70 | (D) | (D) |
| Item | Morris | Morton | Nemaha | Neosho | Ness | Norton |
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 262 | 112 | 644 | 346 | 250 | 200 |
| 2012 | 251 | 129 | 659 | 331 | 262 | 218 |
| acres treated, 2017 | 90,763 | 123,774 | 225,330 | 142,072 | 203,319 | 191,489 |
| 2012 | 83,929 | 165,807 | 202,212 | 114,137 | 179,171 | 150,838 |
| Cropland fertilized, except cropland pasture farms, 2017 | 236 | 106 | 564 | 223 | 248 | 199 |
| 2012 | 233 | 121 | 609 | 242 | 253 | 208 |
| acres treated, 2017 | 85,622 | 122,660 | 198,416 | 88,334 | 197,258 | 188,755 |
| 2012 | 75,579 | 162,893 | 174,063 | 85,459 | 174,754 | 147,737 |
| Pastureland and rangeland fertilized farms, 2017 | 60 | 7 | 222 | 199 | 15 | 9 |
| 2012 | 51 | 9 | 249 | 175 | 17 | 24 |
| acres treated, 2017 | 5,141 | 1,114 | 26,914 | 53,738 | 6,061 | 2,734 |
| 2012 | 8,350 | 2,914 | 28,149 | 28,678 | 4,417 | 3,101 |
| Manure farms, 2017 | 57 | 8 | 166 | 75 | 5 | 25 |
| 2012 | 39 | 2 | 158 | 58 | 11 | 24 |
| acres treated, 2017 | 2,799 | 811 | 14,266 | 13,784 | 345 | 3,236 |
| 2012 | 3,531 | (D) | 9,802 | 4,825 | 355 | 3,023 |
| Organic fertilizer (see text) farms, 2017 | 3 | 1 | 6 | 8 | 4 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 435 | (D) | 883 | 509 | 1,226 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 84 | 50 | 126 | 116 | 31 | 46 |
| 2012 | 81 | 64 | 160 | 85 | 37 | 35 |
| acres, 2017 | 26,084 | 51,098 | 43,322 | 82,986 | 6,107 | 23,163 |
| 2012 | 15,994 | 43,990 | 37,036 | 35,787 | 6,334 | 12,447 |
| Weeds, grass, or brush farms, 2017 | 250 | 108 | 565 | 258 | 254 | 194 |
| 2012 | 263 | 149 | 661 | 277 | 345 | 230 |
| acres, 2017 | 126,945 | 198,214 | 245,327 | 140,044 | 235,806 | 216,713 |
| 2012 | 104,590 | 272,385 | 228,721 | 125,329 | 255,787 | 198,791 |
| Nematodes farms, 2017 | 6 | 1 | 12 | 8 | 3 | 4 |
| 2012 | 15 | 1 | 47 | 11 | - | 4 |
| acres, 2017 | 990 | (D) | 3,072 | 251 | (D) | 881 |
| 2012 | 685 | (D) | 7,979 | 3,053 | - | 685 |
| Diseases in crops and orchards farms, 2017 | 21 | 14 | 47 | 33 | 44 | 21 |
| 2012 | 25 | 17 | 52 | 25 | 73 | 25 |
| acres, 2017 | 8,073 | 7,805 | 11,410 | 11,089 | 10,494 | 4,123 |
| 2012 | 4,659 | 18,202 | 5,805 | 6,720 | 44,717 | 9,872 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 2 | 4 | 1 | 2 | 4 | 1 |
| 2012 | - | 1 | 1 | - | 2 | - |
| acres on which used, 2017 | (D) | 772 | (D) | (D) | (D) | (D) |
| 2012 | - | (D) | (D) | - | (D) | - |

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

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

| Item | Osage | Osborne | Ottawa | Pawnee | Phillips | Pottawatomie |
|--|---------|---------|---------|---------|----------|--------------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 507 | 207 | 252 | 192 | 265 | 376 |
|farms, 2012 | 489 | 212 | 327 | 236 | 279 | 416 |
|acres treated, 2017 | 121,437 | 132,181 | 184,011 | 220,758 | 165,249 | 84,467 |
|acres treated, 2012 | 116,500 | 130,828 | 174,944 | 228,508 | 157,022 | 85,722 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 427 | 206 | 249 | 191 | 262 | 320 |
|farms, 2012 | 396 | 208 | 311 | 235 | 274 | 346 |
|acres treated, 2017 | 107,862 | 130,487 | 175,516 | 219,198 | 156,081 | 74,064 |
|acres treated, 2012 | 98,877 | 124,025 | 165,108 | 225,045 | 145,268 | 74,405 |
| Pastureland and rangeland fertilizedfarms, 2017 | 176 | 15 | 38 | 7 | 17 | 106 |
|farms, 2012 | 189 | 19 | 47 | 13 | 30 | 138 |
|acres treated, 2017 | 13,575 | 1,694 | 8,495 | 1,560 | 9,168 | 10,403 |
|acres treated, 2012 | 17,623 | 6,803 | 9,836 | 3,463 | 11,754 | 11,317 |
| Manurefarms, 2017 | 57 | 11 | 20 | 17 | 43 | 73 |
|farms, 2012 | 45 | 15 | 27 | 14 | 42 | 82 |
|acres treated, 2017 | 1,259 | 2,818 | 1,482 | 2,526 | 2,716 | 4,699 |
|acres treated, 2012 | 1,745 | 1,143 | 1,159 | 2,999 | 2,573 | 3,409 |
| Organic fertilizer (see text)farms, 2017 | 8 | 1 | - | 3 | 5 | 10 |
|farms, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
|acres treated, 2017 | 867 | (D) | - | 560 | 468 | 1,010 |
|acres treated, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 128 | 53 | 103 | 71 | 69 | 125 |
|farms, 2012 | 92 | 62 | 104 | 106 | 85 | 118 |
|acres, 2017 | 35,591 | 14,108 | 21,117 | 50,898 | 16,311 | 15,868 |
|acres, 2012 | 25,070 | 15,861 | 17,826 | 39,788 | 13,297 | 13,798 |
| Weeds, grass, or brushfarms, 2017 | 491 | 201 | 233 | 197 | 247 | 362 |
|farms, 2012 | 471 | 228 | 345 | 246 | 271 | 415 |
|acres, 2017 | 198,016 | 186,909 | 220,753 | 277,696 | 219,271 | 136,246 |
|acres, 2012 | 200,531 | 179,067 | 208,913 | 289,320 | 191,636 | 110,903 |
| Nematodesfarms, 2017 | 19 | 3 | 5 | 3 | - | 14 |
|farms, 2012 | 21 | 3 | 3 | 2 | 4 | 11 |
|acres, 2017 | 5,885 | 291 | 1,548 | 71 | - | 2,621 |
|acres, 2012 | 16,516 | 770 | (D) | (D) | (D) | 1,143 |
| Diseases in crops and orchardsfarms, 2017 | 31 | 18 | 50 | 76 | 33 | 27 |
|farms, 2012 | 10 | 31 | 35 | 110 | 24 | 21 |
|acres, 2017 | 8,570 | 4,141 | 18,931 | 52,636 | 10,669 | 1,191 |
|acres, 2012 | 1,470 | 13,084 | 18,222 | 62,674 | 7,506 | 3,112 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 1 | 1 | - | 4 | - | 1 |
|farms, 2012 | 3 | - | 5 | 2 | 1 | 10 |
|acres on which used, 2017 | (D) | (D) | - | 952 | - | (D) |
|acres on which used, 2012 | 52 | - | 195 | (D) | (D) | 417 |

| Item | Pratt | Rawlins | Reno | Republic | Rice | Riley |
|--|---------|---------|---------|----------|---------|--------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 256 | 206 | 762 | 396 | 275 | 271 |
|farms, 2012 | 285 | 228 | 775 | 382 | 295 | 281 |
|acres treated, 2017 | 258,368 | 211,154 | 416,488 | 210,685 | 231,253 | 59,998 |
|acres treated, 2012 | 247,521 | 221,900 | 372,491 | 185,415 | 247,519 | 62,324 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 251 | 204 | 715 | 372 | 260 | 237 |
|farms, 2012 | 283 | 228 | 740 | 376 | 292 | 249 |
|acres treated, 2017 | 255,793 | 210,046 | 407,989 | 205,091 | 225,151 | 56,141 |
|acres treated, 2012 | 246,608 | 218,369 | 363,838 | 179,575 | 242,739 | 55,688 |
| Pastureland and rangeland fertilizedfarms, 2017 | 18 | 7 | 91 | 52 | 38 | 74 |
|farms, 2012 | 11 | 11 | 96 | 46 | 33 | 62 |
|acres treated, 2017 | 2,575 | 1,108 | 8,499 | 5,594 | 6,102 | 3,857 |
|acres treated, 2012 | 913 | 3,531 | 8,653 | 5,840 | 4,780 | 6,636 |
| Manurefarms, 2017 | 11 | 26 | 175 | 44 | 40 | 48 |
|farms, 2012 | 17 | 29 | 165 | 42 | 33 | 38 |
|acres treated, 2017 | 2,372 | 1,871 | 11,370 | 1,949 | 7,034 | 3,323 |
|acres treated, 2012 | 2,385 | 14,030 | 9,464 | 1,466 | 7,134 | 3,910 |
| Organic fertilizer (see text)farms, 2017 | 2 | 2 | 15 | 3 | - | - |
|farms, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
|acres treated, 2017 | (D) | (D) | 2,489 | 377 | - | - |
|acres treated, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 106 | 51 | 359 | 110 | 97 | 101 |
|farms, 2012 | 91 | 55 | 336 | 116 | 110 | 99 |
|acres, 2017 | 62,052 | 36,756 | 118,409 | 39,184 | 40,756 | 19,040 |
|acres, 2012 | 50,506 | 51,622 | 68,849 | 41,621 | 45,279 | 10,893 |
| Weeds, grass, or brushfarms, 2017 | 243 | 207 | 691 | 379 | 237 | 253 |
|farms, 2012 | 312 | 237 | 819 | 406 | 331 | 279 |
|acres, 2017 | 249,329 | 263,189 | 412,009 | 254,485 | 299,492 | 75,600 |
|acres, 2012 | 287,122 | 298,983 | 449,664 | 227,822 | 321,303 | 76,801 |
| Nematodesfarms, 2017 | 4 | - | 32 | 14 | 3 | 6 |
|farms, 2012 | 4 | 8 | 21 | 17 | 8 | 10 |
|acres, 2017 | 1,560 | - | 6,018 | 2,762 | (D) | 441 |
|acres, 2012 | (D) | 4,987 | 4,532 | 12,944 | 1,326 | 1,555 |
| Diseases in crops and orchardsfarms, 2017 | 56 | 71 | 177 | 69 | 60 | 19 |
|farms, 2012 | 64 | 41 | 125 | 88 | 61 | 40 |
|acres, 2017 | 40,914 | 62,750 | 95,723 | 25,796 | 47,820 | 3,127 |
|acres, 2012 | 41,271 | 22,755 | 57,065 | 28,592 | 38,816 | 3,693 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 41 | 5 | 11 | 2 | 2 | 2 |
|farms, 2012 | 14 | - | 1 | 4 | - | 6 |
|acres on which used, 2017 | 17,614 | 1,231 | 4,381 | (D) | (D) | (D) |
|acres on which used, 2012 | 5,987 | - | (D) | 17 | - | (D) |

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

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

| Item | Rooks | Rush | Russell | Saline | Scott | Sedgwick |
|---|---------|---------|---------|---------|---------|----------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 237 | 227 | 215 | 355 | 139 | 741 |
| 2012 | 239 | 249 | 239 | 368 | 159 | 739 |
| acres treated, 2017 | 200,630 | 184,553 | 142,820 | 167,525 | 235,785 | 290,893 |
| 2012 | 198,540 | 171,523 | 121,374 | 165,701 | 188,956 | 294,103 |
| Cropland fertilized, except cropland pasture farms, 2017 | 232 | 227 | 202 | 342 | 132 | 697 |
| 2012 | 235 | 245 | 222 | 353 | 157 | 698 |
| acres treated, 2017 | 190,841 | 177,600 | 137,193 | 161,058 | 234,310 | 286,475 |
| 2012 | 191,974 | 166,596 | 114,949 | 161,632 | 188,395 | 288,784 |
| Pastureland and rangeland fertilized farms, 2017 | 18 | 13 | 18 | 37 | 8 | 90 |
| 2012 | 15 | 21 | 29 | 50 | 5 | 93 |
| acres treated, 2017 | 9,789 | 6,953 | 5,627 | 6,467 | 1,475 | 4,418 |
| 2012 | 6,566 | 4,927 | 6,425 | 4,069 | 561 | 5,319 |
| Manure farms, 2017 | 15 | 34 | 31 | 63 | 31 | 148 |
| 2012 | 15 | 20 | 16 | 27 | 55 | 116 |
| acres treated, 2017 | 2,197 | 3,734 | 2,195 | 3,029 | 40,615 | 7,588 |
| 2012 | 842 | 3,985 | 731 | 1,049 | 49,646 | 7,079 |
| Organic fertilizer (see text) farms, 2017 | 2 | 7 | - | 5 | 5 | 9 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | (D) | 1,485 | - | (D) | 3,333 | 2,386 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 64 | 45 | 44 | 108 | 42 | 301 |
| 2012 | 66 | 76 | 66 | 112 | 59 | 237 |
| acres, 2017 | 13,647 | 10,470 | 7,011 | 22,573 | 30,323 | 88,862 |
| 2012 | 12,412 | 14,906 | 13,180 | 17,999 | 33,024 | 52,753 |
| Weeds, grass, or brush farms, 2017 | 236 | 234 | 191 | 307 | 146 | 609 |
| 2012 | 259 | 291 | 249 | 379 | 175 | 730 |
| acres, 2017 | 243,878 | 206,411 | 205,451 | 170,931 | 313,791 | 291,375 |
| 2012 | 252,125 | 212,808 | 161,236 | 193,986 | 286,223 | 321,255 |
| Nematodes farms, 2017 | 8 | 6 | 2 | 9 | 2 | 27 |
| 2012 | 1 | 2 | 1 | 12 | 3 | 11 |
| acres, 2017 | 2,978 | 624 | (D) | 1,728 | (D) | 8,269 |
| 2012 | (D) | (D) | (D) | 1,426 | 1,219 | 4,258 |
| Diseases in crops and orchards farms, 2017 | 32 | 48 | 10 | 29 | 34 | 129 |
| 2012 | 25 | 71 | 32 | 51 | 50 | 97 |
| acres, 2017 | 26,606 | 22,234 | 2,568 | 21,554 | 39,485 | 52,797 |
| 2012 | 14,265 | 24,990 | 10,221 | 25,965 | 57,927 | 38,943 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | - | - | - | 5 | 1 | 11 |
| 2012 | 2 | 8 | - | 5 | 2 | 7 |
| acres on which used, 2017 | - | - | - | 1,431 | (D) | 3,613 |
| 2012 | (D) | 44 | - | 52 | (D) | 808 |

| Item | Seward | Shawnee | Sheridan | Sherman | Smith | Stafford |
|---|---------|---------|----------|---------|---------|----------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 96 | 359 | 262 | 221 | 303 | 250 |
| 2012 | 134 | 379 | 286 | 228 | 354 | 317 |
| acres treated, 2017 | 154,985 | 74,315 | 249,133 | 323,522 | 264,952 | 208,314 |
| 2012 | 168,646 | 76,906 | 235,966 | 268,234 | 229,105 | 265,321 |
| Cropland fertilized, except cropland pasture farms, 2017 | 92 | 273 | 260 | 217 | 301 | 247 |
| 2012 | 128 | 297 | 286 | 228 | 351 | 314 |
| acres treated, 2017 | 151,648 | 68,120 | 246,015 | (D) | 259,785 | 206,684 |
| 2012 | 166,853 | 68,667 | 232,242 | (D) | 223,988 | 261,997 |
| Pastureland and rangeland fertilized farms, 2017 | 8 | 115 | 8 | 6 | 18 | 7 |
| 2012 | 9 | 147 | 13 | 2 | 21 | 23 |
| acres treated, 2017 | 3,337 | 6,195 | 3,118 | (D) | 5,167 | 1,630 |
| 2012 | 1,793 | 8,239 | 3,724 | (D) | 5,117 | 3,324 |
| Manure farms, 2017 | 13 | 55 | 22 | 8 | 22 | 14 |
| 2012 | 34 | 51 | 37 | 12 | 37 | 23 |
| acres treated, 2017 | 6,951 | 1,700 | 5,603 | 2,864 | 4,435 | 9,063 |
| 2012 | 11,295 | 1,652 | 8,156 | 4,221 | 2,577 | 4,172 |
| Organic fertilizer (see text) farms, 2017 | 4 | 10 | 2 | 1 | 1 | 9 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 156 | 190 | (D) | (D) | (D) | 234 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 65 | 80 | 120 | 64 | 75 | 135 |
| 2012 | 82 | 70 | 102 | 110 | 81 | 113 |
| acres, 2017 | 76,539 | 21,700 | 68,550 | 56,538 | 31,174 | 66,662 |
| 2012 | 79,487 | 14,104 | 63,594 | 88,301 | 43,689 | 38,450 |
| Weeds, grass, or brush farms, 2017 | 93 | 322 | 234 | 215 | 295 | 224 |
| 2012 | 148 | 335 | 285 | 258 | 362 | 321 |
| acres, 2017 | 160,000 | 91,481 | 273,802 | 362,613 | 314,497 | 247,838 |
| 2012 | 201,542 | 95,637 | 285,987 | 372,467 | 294,098 | 300,777 |
| Nematodes farms, 2017 | 7 | 21 | 2 | 4 | 5 | 14 |
| 2012 | 6 | 13 | 9 | 6 | 8 | 21 |
| acres, 2017 | 1,805 | 2,556 | (D) | 873 | 1,119 | 6,074 |
| 2012 | 5,460 | 3,293 | 5,361 | 1,650 | 854 | 9,238 |
| Diseases in crops and orchards farms, 2017 | 28 | 20 | 68 | 66 | 40 | 80 |
| 2012 | 22 | 27 | 76 | 36 | 35 | 44 |
| acres, 2017 | 19,759 | 3,208 | 33,075 | 44,263 | 14,786 | 41,641 |
| 2012 | 21,302 | 2,810 | 37,365 | 19,991 | 11,993 | 24,769 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 2 | 4 | 2 | 3 | 3 | 2 |
| 2012 | 9 | 2 | - | - | 1 | 3 |
| acres on which used, 2017 | (D) | 4 | (D) | 677 | (D) | (D) |
| 2012 | 2,730 | (D) | - | - | (D) | 1,535 |

--continued

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

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

| Item | Stanton | Stevens | Sumner | Thomas | Trego | Wabunsee |
|--|---------|------------|---------|---------|---------|-----------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 121 | 140 | 621 | 291 | 183 | 323 |
| 2012 | 133 | 124 | 717 | 297 | 209 | 307 |
| acres treated, 2017 | 191,014 | 231,021 | 505,370 | 382,902 | 151,567 | 67,237 |
| 2012 | 187,762 | 230,251 | 456,006 | 358,262 | 144,655 | 62,530 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 119 | 131 | 595 | 288 | 183 | 266 |
| 2012 | 133 | 122 | 684 | 294 | 205 | 215 |
| acres treated, 2017 | 190,358 | 227,865 | 499,229 | 382,084 | 149,840 | 48,640 |
| 2012 | (D) | 229,672 | 447,007 | 356,995 | 136,335 | 46,732 |
| Pastureland and rangeland fertilizedfarms, 2017 | 4 | 14 | 73 | 6 | 10 | 115 |
| 2012 | 1 | 5 | 93 | 9 | 22 | 136 |
| acres treated, 2017 | 656 | 3,156 | 6,141 | 818 | 1,727 | 18,597 |
| 2012 | (D) | 579 | 8,999 | 1,267 | 8,320 | 15,798 |
| Manurefarms, 2017 | 18 | 8 | 41 | 31 | 11 | 53 |
| 2012 | 15 | 9 | 47 | 22 | 13 | 46 |
| acres treated, 2017 | 7,336 | 2,422 | 3,861 | 5,180 | 1,060 | 2,818 |
| 2012 | 4,982 | 4,091 | 3,553 | 3,066 | 929 | 1,940 |
| Organic fertilizer (see text)farms, 2017 | 3 | - | 10 | 6 | 1 | 12 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 306 | - | 3,139 | 5,405 | (D) | 2,182 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 65 | 104 | 292 | 119 | 35 | 65 |
| 2012 | 79 | 92 | 234 | 106 | 42 | 57 |
| acres, 2017 | 69,201 | 119,688 | 154,968 | 76,020 | 27,020 | 5,446 |
| 2012 | 42,749 | 122,638 | 68,529 | 85,490 | 11,842 | 6,071 |
| Weeds, grass, or brushfarms, 2017 | 109 | 138 | 553 | 288 | 184 | 298 |
| 2012 | 152 | 132 | 762 | 335 | 244 | 295 |
| acres, 2017 | 234,392 | 297,408 | 479,970 | 424,325 | 188,642 | 79,819 |
| 2012 | 279,027 | 285,027 | 516,199 | 448,268 | 196,048 | 82,720 |
| Nematodesfarms, 2017 | 1 | 6 | 15 | 11 | - | 5 |
| 2012 | 1 | 15 | 26 | 10 | 2 | 3 |
| acres, 2017 | (D) | 2,491 | 9,294 | 3,270 | - | 1,040 |
| 2012 | (D) | 4,688 | 1,798 | 11,599 | (D) | (D) |
| Diseases in crops and orchardsfarms, 2017 | 22 | 31 | 108 | 90 | 22 | 9 |
| 2012 | 29 | 33 | 97 | 70 | 25 | 9 |
| acres, 2017 | 21,561 | 28,082 | 86,422 | 52,639 | 6,603 | 1,694 |
| 2012 | 20,078 | 37,952 | 40,451 | 60,610 | 10,664 | 1,004 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | - | 19 | 41 | 6 | 1 | 5 |
| 2012 | - | 10 | 23 | 14 | 1 | - |
| acres on which used, 2017 | - | 12,895 | 11,507 | 813 | (D) | 1,050 |
| 2012 | - | 6,077 | 3,156 | 2,498 | (D) | - |
| Item | Wallace | Washington | Wichita | Wilson | Woodson | Wyandotte |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 125 | 474 | 151 | 235 | 148 | 47 |
| 2012 | 140 | 469 | 161 | 203 | 165 | 52 |
| acres treated, 2017 | 164,024 | 214,108 | 174,173 | 126,070 | 62,215 | 6,591 |
| 2012 | 146,245 | 186,410 | 179,556 | 85,444 | 65,940 | 3,265 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 125 | 450 | 148 | 201 | 111 | 23 |
| 2012 | 140 | 449 | 160 | 164 | 136 | 29 |
| acres treated, 2017 | (D) | 206,113 | 174,067 | 110,695 | 48,205 | 5,780 |
| 2012 | 141,457 | 176,722 | 178,857 | 73,976 | 52,997 | 2,426 |
| Pastureland and rangeland fertilizedfarms, 2017 | 1 | 74 | 4 | 105 | 64 | 31 |
| 2012 | 10 | 66 | 3 | 77 | 72 | 24 |
| acres treated, 2017 | (D) | 7,995 | 106 | 15,375 | 14,010 | 811 |
| 2012 | 4,788 | 9,688 | 699 | 11,468 | 12,943 | 839 |
| Manurefarms, 2017 | 9 | 106 | 42 | 20 | 39 | 15 |
| 2012 | 18 | 78 | 48 | 17 | 29 | 7 |
| acres treated, 2017 | 1,572 | 8,079 | 20,723 | 2,785 | 3,058 | 104 |
| 2012 | 5,320 | 5,794 | 19,881 | 3,399 | 794 | 163 |
| Organic fertilizer (see text)farms, 2017 | 2 | 5 | 15 | 5 | 2 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | (D) | 1,046 | 11,012 | 609 | (D) | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 49 | 109 | 34 | 114 | 61 | 12 |
| 2012 | 61 | 174 | 53 | 56 | 36 | 10 |
| acres, 2017 | 26,916 | 22,542 | 16,188 | 74,087 | 66,432 | 1,843 |
| 2012 | 35,728 | 38,987 | 40,121 | 24,524 | 9,271 | 155 |
| Weeds, grass, or brushfarms, 2017 | 119 | 439 | 152 | 211 | 138 | 21 |
| 2012 | 169 | 481 | 190 | 199 | 155 | 39 |
| acres, 2017 | 198,680 | 282,403 | 261,042 | 164,217 | 103,987 | 6,499 |
| 2012 | 205,624 | 250,328 | 258,141 | 112,953 | 106,509 | 4,771 |
| Nematodesfarms, 2017 | 5 | 8 | 3 | 3 | 3 | 3 |
| 2012 | 1 | 24 | 4 | 1 | 1 | 2 |
| acres, 2017 | 3,925 | 1,958 | 1,095 | 27 | 2,237 | 1,805 |
| 2012 | (D) | 11,254 | 2,236 | (D) | (D) | (D) |
| Diseases in crops and orchardsfarms, 2017 | 23 | 50 | 29 | 19 | 7 | - |
| 2012 | 24 | 74 | 46 | 22 | 16 | 4 |
| acres, 2017 | 11,949 | 15,437 | 14,794 | 11,039 | 3,965 | - |
| 2012 | 11,354 | 30,830 | 50,496 | 4,851 | 2,337 | 9 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 1 | 2 | 3 | - | - | - |
| 2012 | 1 | 3 | 1 | 6 | - | 2 |
| acres on which used, 2017 | (D) | (D) | 331 | - | - | - |
| 2012 | (D) | 380 | (D) | 660 | - | (D) |