

Table 40. Fertilizers and Chemicals Applied: 2017 and 2012

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

| Item | Minnesota | Aitkin | Anoka | Becker | Beltrami |
|------------------------------------------------------------------------------------|------------|-----------|------------|---------|----------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 37,969 | 113 | 169 | 367 | 190 |
| 2012 | 41,374 | 95 | 171 | 434 | 189 |
| acres treated, 2017 | 14,641,179 | 15,984 | 19,859 | 144,958 | 44,288 |
| 2012 | 14,897,415 | 16,727 | 24,909 | 191,258 | 38,203 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 37,001 | 102 | 146 | 357 | 182 |
| 2012 | 40,569 | 86 | 167 | 419 | 182 |
| acres treated, 2017 | 14,550,746 | 14,775 | 19,691 | 142,338 | 42,862 |
| 2012 | 14,793,140 | 16,274 | 24,805 | 188,463 | 37,806 |
| Pastureland and rangeland fertilizedfarms, 2017 | 2,636 | 20 | 33 | 41 | 24 |
| 2012 | 2,787 | 16 | 14 | 48 | 15 |
| acres treated, 2017 | 90,433 | 1,209 | 168 | 2,620 | 1,426 |
| 2012 | 104,275 | 453 | 104 | 2,795 | 397 |
| Manurefarms, 2017 | 16,229 | 90 | 72 | 190 | 105 |
| 2012 | 16,582 | 71 | 65 | 205 | 94 |
| acres treated, 2017 | 1,690,674 | 3,762 | 926 | 12,964 | 4,497 |
| 2012 | 1,580,164 | 6,105 | 748 | 16,726 | 4,427 |
| Organic fertilizer (see text)farms, 2017 | 1,123 | 11 | 4 | 8 | 6 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 139,319 | 194 | 11 | 247 | (D) |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | |
| Insectsfarms, 2017 | 18,339 | 10 | 30 | 160 | 53 |
| 2012 | 19,634 | 21 | 56 | 151 | 38 |
| acres, 2017 | 7,867,716 | 6,652 | 5,453 | 82,942 | 20,217 |
| 2012 | 6,294,083 | 2,073 | 6,538 | 94,613 | 9,036 |
| Weeds, grass, or brushfarms, 2017 | 34,699 | 55 | 111 | 319 | 114 |
| 2012 | 41,571 | 71 | 151 | 458 | 147 |
| acres, 2017 | 18,000,973 | 13,258 | 21,942 | 180,020 | 31,921 |
| 2012 | 17,838,092 | 16,725 | 24,037 | 233,747 | 32,019 |
| Nematodesfarms, 2017 | 2,707 | 2 | 2 | 15 | - |
| 2012 | 3,526 | 2 | 10 | 15 | 6 |
| acres, 2017 | 786,555 | (D) | (D) | 5,945 | - |
| 2012 | 795,308 | (D) | 87 | 4,751 | (D) |
| Diseases in crops and orchardsfarms, 2017 | 4,417 | 5 | 18 | 61 | 12 |
| 2012 | 4,652 | 10 | 19 | 41 | 11 |
| acres, 2017 | 2,183,439 | (D) | 261 | 35,403 | 5,514 |
| 2012 | 1,795,593 | 6,440 | 1,710 | 18,202 | 10,839 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 655 | 3 | 8 | 5 | 1 |
| 2012 | 675 | - | 10 | 7 | 2 |
| acres on which used, 2017 | 182,352 | 12 | 25 | (D) | (D) |
| 2012 | 160,997 | - | 76 | 2,040 | (D) |
| Item | Benton | Big Stone | Blue Earth | Brown | Carlton |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 458 | 278 | 609 | 739 | 180 |
| 2012 | 523 | 256 | 649 | 761 | 126 |
| acres treated, 2017 | 99,805 | 160,985 | 236,984 | 213,124 | 10,104 |
| 2012 | 104,990 | 149,342 | 233,379 | 209,323 | 7,587 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 437 | 273 | 599 | 736 | 160 |
| 2012 | 515 | 251 | 645 | 757 | 117 |
| acres treated, 2017 | 99,011 | 160,780 | 236,723 | 212,997 | 9,448 |
| 2012 | 103,612 | 148,905 | 232,955 | 209,234 | 6,745 |
| Pastureland and rangeland fertilizedfarms, 2017 | 57 | 7 | 13 | 8 | 37 |
| 2012 | 46 | 7 | 13 | 5 | 24 |
| acres treated, 2017 | 794 | 205 | 261 | 127 | 656 |
| 2012 | 1,378 | 437 | 424 | 89 | 842 |
| Manurefarms, 2017 | 240 | 73 | 231 | 276 | 132 |
| 2012 | 281 | 39 | 211 | 265 | 104 |
| acres treated, 2017 | 17,314 | 8,576 | 36,215 | 35,515 | 3,321 |
| 2012 | 25,229 | 4,295 | 31,411 | 30,285 | 4,486 |
| Organic fertilizer (see text)farms, 2017 | 18 | 4 | 15 | 19 | 11 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 1,002 | 428 | 4,928 | 2,580 | 231 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | |
| Insectsfarms, 2017 | 64 | 125 | 421 | 503 | 9 |
| 2012 | 74 | 101 | 423 | 529 | 12 |
| acres, 2017 | 18,746 | 56,477 | 168,861 | 134,114 | 717 |
| 2012 | 12,691 | 52,728 | 153,111 | 108,640 | 89 |
| Weeds, grass, or brushfarms, 2017 | 414 | 272 | 599 | 714 | 43 |
| 2012 | 515 | 264 | 688 | 775 | 79 |
| acres, 2017 | 122,397 | 220,649 | 328,129 | 283,255 | 2,389 |
| 2012 | 108,874 | 197,446 | 308,147 | 264,989 | 2,994 |
| Nematodesfarms, 2017 | 15 | 16 | 79 | 90 | - |
| 2012 | 11 | 17 | 75 | 127 | 4 |
| acres, 2017 | 3,052 | 7,933 | 27,597 | 17,931 | - |
| 2012 | 2,060 | 6,623 | 18,259 | 15,435 | 36 |
| Diseases in crops and orchardsfarms, 2017 | 14 | 30 | 79 | 47 | 4 |
| 2012 | 25 | 23 | 64 | 99 | 7 |
| acres, 2017 | 4,323 | 10,200 | 46,456 | 6,753 | 474 |
| 2012 | 5,889 | 7,895 | 13,796 | 11,769 | 199 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 2 | - | 9 | 4 | - |
| 2012 | 4 | 3 | 7 | 11 | - |
| acres on which used, 2017 | (D) | - | 1,599 | (D) | - |
| 2012 | 430 | 760 | 157 | 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 | Carver | Cass | Chippewa | Chisago | Clay | Clearwater |
|-------------------------------------------------------------------------------------|---------|--------|----------|---------|---------|------------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 408 | 145 | 430 | 422 | 446 | 162 |
| 2012 | 436 | 141 | 435 | 410 | 455 | 195 |
| acres treated, 2017 | 99,457 | 20,085 | 225,252 | 57,801 | 358,488 | 36,455 |
| 2012 | 98,282 | 18,029 | 233,096 | 51,813 | 362,393 | 32,219 |
| Cropland fertilized, except cropland pasture farms, 2017 | 396 | 136 | 421 | 402 | 440 | 154 |
| 2012 | 415 | 138 | 435 | 395 | 443 | 192 |
| acres treated, 2017 | 99,226 | 17,835 | 225,115 | 56,941 | 357,710 | 34,084 |
| 2012 | 97,923 | 17,348 | 232,980 | 50,997 | 361,766 | 30,635 |
| Pastureland and rangeland fertilized farms, 2017 | 16 | 22 | 13 | 62 | 27 | 25 |
| 2012 | 36 | 13 | 4 | 46 | 19 | 14 |
| acres treated, 2017 | 231 | 2,250 | 137 | 860 | 778 | 2,371 |
| 2012 | 359 | 681 | 116 | 816 | 627 | 1,584 |
| Manure farms, 2017 | 222 | 93 | 110 | 159 | 101 | 83 |
| 2012 | 240 | 67 | 97 | 162 | 89 | 79 |
| acres treated, 2017 | 15,027 | 4,255 | 20,797 | 4,127 | 8,489 | 3,593 |
| 2012 | 16,656 | 3,775 | 21,227 | 4,065 | 11,262 | 5,167 |
| Organic fertilizer (see text) farms, 2017 | 20 | 3 | 15 | 22 | 11 | 8 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 2,286 | 115 | 2,534 | 426 | 3,402 | 1,323 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 131 | 14 | 257 | 69 | 320 | 31 |
| 2012 | 168 | 18 | 294 | 101 | 256 | 26 |
| acres, 2017 | 30,111 | 1,368 | 118,651 | 15,246 | 226,433 | 13,221 |
| 2012 | 28,623 | 2,092 | 95,558 | 11,329 | 177,622 | 4,551 |
| Weeds, grass, or brush farms, 2017 | 380 | 70 | 418 | 333 | 437 | 107 |
| 2012 | 440 | 97 | 444 | 393 | 490 | 182 |
| acres, 2017 | 116,204 | 12,823 | 302,730 | 60,589 | 482,155 | 39,290 |
| 2012 | 105,381 | 18,384 | 281,352 | 54,554 | 495,083 | 29,542 |
| Nematodes farms, 2017 | 19 | - | 34 | 11 | 41 | 4 |
| 2012 | 31 | 3 | 43 | 22 | 25 | 2 |
| acres, 2017 | 2,129 | - | 14,174 | 857 | 15,158 | 635 |
| 2012 | 4,606 | (D) | 14,172 | 787 | 4,425 | (D) |
| Diseases in crops and orchards farms, 2017 | 56 | 5 | 81 | 25 | 128 | 11 |
| 2012 | 45 | 6 | 87 | 45 | 112 | 10 |
| acres, 2017 | 9,614 | (D) | 40,083 | 3,435 | 83,386 | 8,106 |
| 2012 | 8,221 | 780 | 33,987 | 2,229 | 68,011 | 1,178 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 3 | 2 | 16 | 8 | 5 | 1 |
| 2012 | 3 | 3 | 7 | 7 | 4 | 3 |
| acres on which used, 2017 | 25 | (D) | 2,630 | 148 | 2,110 | (D) |
| 2012 | (D) | 3 | 1,628 | (D) | 935 | 55 |

| Item | Cook | Cottonwood | Crow Wing | Dakota | Dodge | Douglas |
|-------------------------------------------------------------------------------------|------|------------|-----------|---------|---------|---------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 3 | 519 | 165 | 505 | 350 | 463 |
| 2012 | 3 | 539 | 165 | 554 | 372 | 549 |
| acres treated, 2017 | (D) | 214,527 | 21,449 | 156,300 | 183,250 | 136,067 |
| 2012 | (D) | 218,416 | 22,260 | 160,811 | 166,141 | 129,335 |
| Cropland fertilized, except cropland pasture farms, 2017 | 2 | 518 | 152 | 490 | 346 | 455 |
| 2012 | 3 | 530 | 147 | 540 | 369 | 539 |
| acres treated, 2017 | (D) | 213,688 | 19,544 | 155,818 | 183,122 | 134,522 |
| 2012 | (D) | 217,604 | 21,680 | 160,268 | 165,624 | 128,673 |
| Pastureland and rangeland fertilized farms, 2017 | 1 | 20 | 29 | 41 | 8 | 37 |
| 2012 | - | 24 | 31 | 33 | 19 | 37 |
| acres treated, 2017 | (D) | 839 | 1,905 | 482 | 128 | 1,545 |
| 2012 | - | 812 | 580 | 543 | 517 | 662 |
| Manure farms, 2017 | 5 | 180 | 99 | 170 | 155 | 212 |
| 2012 | 3 | 177 | 110 | 202 | 155 | 240 |
| acres treated, 2017 | (D) | 27,159 | 4,087 | 9,969 | 21,265 | 14,563 |
| 2012 | 7 | 25,851 | 5,137 | 12,366 | 18,475 | 15,686 |
| Organic fertilizer (see text) farms, 2017 | 7 | 13 | 11 | 26 | 4 | 18 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 47 | (D) | 140 | 1,308 | 236 | 989 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 2 | 361 | 28 | 167 | 205 | 147 |
| 2012 | 3 | 375 | 32 | 275 | 185 | 192 |
| acres, 2017 | (D) | 134,223 | 1,467 | 48,736 | 111,309 | 29,201 |
| 2012 | 6 | 129,576 | 861 | 42,134 | 77,394 | 30,546 |
| Weeds, grass, or brush farms, 2017 | - | 524 | 102 | 416 | 321 | 491 |
| 2012 | 2 | 562 | 148 | 530 | 349 | 609 |
| acres, 2017 | - | 310,951 | 12,830 | 183,490 | 210,336 | 156,903 |
| 2012 | (D) | 290,777 | 19,316 | 164,000 | 179,871 | 151,061 |
| Nematodes farms, 2017 | - | 44 | 6 | 29 | 41 | 11 |
| 2012 | - | 58 | 2 | 79 | 53 | 11 |
| acres, 2017 | - | 10,957 | 2,400 | 5,121 | 15,662 | 1,878 |
| 2012 | - | 18,476 | (D) | 8,012 | 13,103 | 1,694 |
| Diseases in crops and orchards farms, 2017 | 2 | 32 | 8 | 68 | 68 | 32 |
| 2012 | - | 36 | 10 | 103 | 64 | 40 |
| acres, 2017 | (D) | 10,631 | (D) | 15,383 | 41,051 | 5,349 |
| 2012 | - | 8,284 | (D) | 11,651 | 20,372 | 9,469 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | - | 2 | 2 | 13 | 11 | 1 |
| 2012 | - | 3 | 1 | 19 | 6 | 5 |
| acres on which used, 2017 | - | (D) | (D) | 730 | 2,595 | (D) |
| 2012 | - | (D) | (D) | 884 | 2,264 | 250 |

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

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

| Item | Faribault | Fillmore | Freeborn | Goodhue | Grant | Hennepin |
|------------------------------------------------------------------------------------|-----------|----------|----------|---------|---------|----------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 591 | 825 | 668 | 901 | 268 | 181 |
| 2012 | 619 | 892 | 691 | 912 | 231 | 255 |
| acres treated, 2017 | 268,963 | 222,079 | 281,369 | 243,586 | 223,602 | 24,975 |
| 2012 | 265,960 | 238,789 | 264,669 | 260,504 | 186,458 | 36,962 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 582 | 784 | 664 | 858 | 267 | 169 |
| 2012 | 619 | 873 | 679 | 892 | 231 | 241 |
| acres treated, 2017 | 268,679 | 214,984 | 280,824 | 241,606 | 223,407 | 24,703 |
| 2012 | (D) | 231,300 | 264,143 | 258,898 | 186,253 | 36,788 |
| Pastureland and rangeland fertilizedfarms, 2017 | 12 | 160 | 20 | 93 | 3 | 21 |
| 2012 | 2 | 158 | 23 | 82 | 4 | 28 |
| acres treated, 2017 | 284 | 7,095 | 545 | 1,980 | 195 | 272 |
| 2012 | (D) | 7,489 | 526 | 1,606 | 205 | 174 |
| Manurefarms, 2017 | 147 | 434 | 211 | 505 | 45 | 85 |
| 2012 | 163 | 434 | 198 | 462 | 33 | 98 |
| acres treated, 2017 | 31,557 | 31,833 | 24,058 | 35,192 | 2,349 | 4,329 |
| 2012 | 26,255 | 32,041 | 21,240 | 32,448 | 2,030 | 3,629 |
| Organic fertilizer (see text)farms, 2017 | 6 | 49 | 12 | 25 | 4 | 18 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 1,412 | 4,626 | 292 | 1,500 | 750 | 336 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 407 | 363 | 373 | 419 | 183 | 57 |
| 2012 | 401 | 464 | 364 | 446 | 144 | 123 |
| acres, 2017 | 179,261 | 87,017 | 172,882 | 105,474 | 109,528 | 5,414 |
| 2012 | 138,364 | 90,733 | 109,099 | 82,225 | 64,751 | 8,082 |
| Weeds, grass, or brushfarms, 2017 | 571 | 693 | 615 | 843 | 255 | 150 |
| 2012 | 632 | 885 | 701 | 913 | 271 | 262 |
| acres, 2017 | 354,421 | 229,374 | 334,291 | 278,780 | 229,726 | 26,728 |
| 2012 | 342,260 | 250,574 | 329,092 | 285,662 | 240,843 | 42,549 |
| Nematodesfarms, 2017 | 64 | 52 | 77 | 52 | 17 | 11 |
| 2012 | 100 | 64 | 100 | 98 | 29 | 21 |
| acres, 2017 | 16,931 | 9,608 | 27,396 | 21,036 | 19,366 | 1,299 |
| 2012 | 21,486 | 13,990 | 24,324 | 11,853 | 10,576 | 806 |
| Diseases in crops and orchardsfarms, 2017 | 95 | 86 | 86 | 103 | 34 | 34 |
| 2012 | 105 | 67 | 68 | 119 | 52 | 41 |
| acres, 2017 | 63,812 | 18,523 | 37,394 | 13,525 | 29,316 | 896 |
| 2012 | 36,490 | 11,892 | 23,044 | 10,437 | 18,303 | 785 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 6 | 10 | 6 | 18 | 1 | 6 |
| 2012 | 5 | 3 | 8 | 10 | 5 | 14 |
| acres on which used, 2017 | 2,981 | 1,590 | 3,105 | 203 | (D) | 25 |
| 2012 | 1,994 | 248 | 1,760 | (D) | 1,112 | 45 |
| Item | Houston | Hubbard | Isanti | Itasca | Jackson | Kanabec |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 450 | 129 | 366 | 76 | 550 | 187 |
| 2012 | 503 | 140 | 397 | 82 | 598 | 227 |
| acres treated, 2017 | 77,988 | 33,970 | 77,951 | 12,356 | 247,731 | 37,142 |
| 2012 | 84,493 | 44,830 | 80,617 | 7,251 | 232,173 | 38,913 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 433 | 125 | 335 | 72 | 550 | 179 |
| 2012 | 489 | 133 | 383 | 77 | 593 | 216 |
| acres treated, 2017 | 74,695 | 33,196 | 77,297 | 11,638 | 246,360 | 33,841 |
| 2012 | 81,336 | 44,061 | 80,051 | 6,549 | 231,329 | 35,929 |
| Pastureland and rangeland fertilizedfarms, 2017 | 67 | 17 | 51 | 18 | 17 | 20 |
| 2012 | 79 | 17 | 39 | 13 | 19 | 22 |
| acres treated, 2017 | 3,293 | 774 | 654 | 718 | 1,371 | 3,301 |
| 2012 | 3,157 | 769 | 566 | 702 | 844 | 2,984 |
| Manurefarms, 2017 | 290 | 76 | 145 | 55 | 137 | 102 |
| 2012 | 280 | 58 | 148 | 63 | 137 | 108 |
| acres treated, 2017 | 27,619 | 7,889 | 4,197 | 1,074 | 19,587 | 4,088 |
| 2012 | 21,633 | 9,334 | 4,906 | 1,409 | 20,527 | 3,806 |
| Organic fertilizer (see text)farms, 2017 | 28 | 3 | 29 | 4 | 5 | 6 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 4,082 | (D) | 828 | (D) | 395 | 161 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 137 | 23 | 51 | 12 | 422 | 9 |
| 2012 | 190 | 38 | 93 | 20 | 408 | 35 |
| acres, 2017 | 24,565 | 8,658 | 5,945 | 1,642 | 178,853 | 1,030 |
| 2012 | 24,016 | 20,051 | 15,131 | 201 | 131,295 | 3,489 |
| Weeds, grass, or brushfarms, 2017 | 399 | 66 | 281 | 44 | 551 | 123 |
| 2012 | 509 | 112 | 332 | 72 | 621 | 206 |
| acres, 2017 | 76,340 | 28,184 | 75,509 | 10,942 | 304,706 | 37,051 |
| 2012 | 79,817 | 40,493 | 80,571 | 9,891 | 303,666 | 34,993 |
| Nematodesfarms, 2017 | 38 | 1 | 18 | 3 | 83 | 1 |
| 2012 | 13 | 4 | 16 | 4 | 80 | 5 |
| acres, 2017 | 5,040 | (D) | 3,072 | (D) | 20,761 | (D) |
| 2012 | 1,202 | (D) | 3,898 | 20 | 20,991 | 93 |
| Diseases in crops and orchardsfarms, 2017 | 47 | 7 | 11 | 6 | 50 | 7 |
| 2012 | 22 | 12 | 19 | 9 | 49 | 8 |
| acres, 2017 | 7,032 | 10,856 | 164 | (D) | 8,629 | 1,369 |
| 2012 | 3,403 | 10,100 | 422 | 131 | 13,466 | 641 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 7 | 4 | 4 | 3 | 3 | 1 |
| 2012 | 10 | 7 | 5 | 1 | 6 | - |
| acres on which used, 2017 | 1,660 | (D) | 57 | 3 | 1,181 | (D) |
| 2012 | 196 | (D) | 128 | (D) | 651 | - |

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

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

| Item | Kandiyohi | Kittson | Koochiching | Lac qui Parle | Lake | Lake of the Woods |
|-------------------------------------------------------------------------------------|-----------|---------|-------------|---------------|------|-------------------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 564 | 259 | 47 | 548 | 13 | 57 |
| 2012 | 625 | 224 | 44 | 574 | 4 | 70 |
| acres treated, 2017 | 257,674 | 236,982 | 10,135 | 273,992 | (D) | 34,728 |
| 2012 | 245,276 | 244,831 | 7,620 | 306,616 | (D) | 28,805 |
| Cropland fertilized, except cropland pasture farms, 2017 | 542 | 257 | 35 | 545 | 8 | 55 |
| 2012 | 607 | 219 | 40 | 570 | 4 | 64 |
| acres treated, 2017 | 256,562 | 236,282 | 8,955 | 273,384 | (D) | 34,673 |
| 2012 | 244,461 | 244,020 | (D) | 304,974 | (D) | 28,552 |
| Pastureland and rangeland fertilized farms, 2017 | 45 | 7 | 16 | 14 | 5 | 4 |
| 2012 | 44 | 7 | 7 | 19 | 1 | 6 |
| acres treated, 2017 | 1,112 | 700 | 1,180 | 608 | (D) | 55 |
| 2012 | 815 | 811 | (D) | 1,642 | (D) | 253 |
| Manure farms, 2017 | 252 | 27 | 34 | 135 | 13 | 7 |
| 2012 | 268 | 19 | 31 | 108 | 7 | 14 |
| acres treated, 2017 | 41,158 | 1,234 | 2,192 | 19,825 | 125 | 263 |
| 2012 | 46,498 | 1,680 | 1,405 | 9,940 | 29 | 550 |
| Organic fertilizer (see text) farms, 2017 | 10 | 3 | 5 | 11 | 6 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 1,816 | 207 | 1,180 | 1,262 | 12 | - |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 319 | 181 | 14 | 365 | 5 | 44 |
| 2012 | 356 | 104 | 9 | 305 | 4 | 23 |
| acres, 2017 | 124,126 | 182,464 | 3,161 | 139,347 | (D) | 37,044 |
| 2012 | 124,875 | 86,484 | 747 | 131,289 | 4 | 13,956 |
| Weeds, grass, or brush farms, 2017 | 538 | 238 | 26 | 546 | 4 | 57 |
| 2012 | 662 | 245 | 38 | 585 | 1 | 71 |
| acres, 2017 | 320,903 | 317,144 | 10,332 | 322,899 | (D) | 49,005 |
| 2012 | 293,569 | 285,134 | 5,579 | 369,138 | (D) | 31,425 |
| Nematodes farms, 2017 | 43 | 18 | - | 58 | - | - |
| 2012 | 55 | 20 | 1 | 50 | - | 1 |
| acres, 2017 | 10,710 | 5,797 | - | 13,892 | - | - |
| 2012 | 9,079 | 7,122 | (D) | 13,970 | - | (D) |
| Diseases in crops and orchards farms, 2017 | 57 | 111 | 3 | 32 | - | 18 |
| 2012 | 61 | 96 | 3 | 25 | 1 | 9 |
| acres, 2017 | 21,016 | 106,696 | 898 | 4,520 | (D) | 19,072 |
| 2012 | 26,575 | 107,672 | (D) | 5,827 | (D) | 8,082 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 11 | 14 | 2 | 7 | - | 1 |
| 2012 | 12 | 12 | 1 | 2 | - | 1 |
| acres on which used, 2017 | 3,086 | 7,340 | (D) | 1,040 | - | (D) |
| 2012 | 1,769 | 5,640 | (D) | (D) | - | (D) |

| Item | Le Sueur | Lincoln | Lyon | McLeod | Mahnomen | Marshall |
|-------------------------------------------------------------------------------------|----------|---------|---------|---------|----------|----------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 422 | 388 | 611 | 493 | 177 | 535 |
| 2012 | 526 | 427 | 618 | 621 | 171 | 523 |
| acres treated, 2017 | 139,999 | 168,076 | 263,852 | 165,664 | 130,778 | 538,078 |
| 2012 | 137,292 | 174,172 | 272,086 | 172,232 | 142,954 | 490,485 |
| Cropland fertilized, except cropland pasture farms, 2017 | 413 | 383 | 604 | 482 | 177 | 525 |
| 2012 | 519 | 418 | 616 | 607 | 169 | 514 |
| acres treated, 2017 | 139,841 | 166,966 | 263,213 | 165,502 | 130,404 | 534,965 |
| 2012 | 136,539 | 173,107 | 271,109 | 171,768 | 142,426 | 487,569 |
| Pastureland and rangeland fertilized farms, 2017 | 14 | 26 | 22 | 16 | 6 | 44 |
| 2012 | 28 | 31 | 26 | 48 | 13 | 32 |
| acres treated, 2017 | 158 | 1,110 | 639 | 162 | 374 | 3,113 |
| 2012 | 753 | 1,065 | 977 | 464 | 528 | 2,916 |
| Manure farms, 2017 | 196 | 154 | 235 | 223 | 55 | 90 |
| 2012 | 209 | 156 | 200 | 267 | 43 | 54 |
| acres treated, 2017 | 11,943 | 17,880 | 34,347 | 17,639 | 2,085 | 7,766 |
| 2012 | 14,755 | 14,991 | 33,222 | 19,892 | 2,469 | 3,034 |
| Organic fertilizer (see text) farms, 2017 | 21 | 13 | 11 | 7 | - | 2 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 6,305 | 1,213 | 3,370 | 357 | - | (D) |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 176 | 163 | 341 | 159 | 132 | 387 |
| 2012 | 260 | 208 | 369 | 287 | 99 | 278 |
| acres, 2017 | 58,060 | 79,851 | 120,470 | 56,520 | 80,977 | 421,934 |
| 2012 | 69,124 | 69,550 | 123,522 | 74,260 | 60,987 | 202,261 |
| Weeds, grass, or brush farms, 2017 | 434 | 374 | 589 | 466 | 171 | 498 |
| 2012 | 552 | 442 | 665 | 627 | 178 | 538 |
| acres, 2017 | 188,191 | 217,928 | 326,473 | 208,644 | 168,154 | 657,894 |
| 2012 | 180,498 | 214,074 | 337,881 | 213,069 | 156,832 | 553,834 |
| Nematodes farms, 2017 | 20 | 30 | 81 | 29 | 10 | 30 |
| 2012 | 41 | 18 | 58 | 50 | 4 | 21 |
| acres, 2017 | 6,045 | 8,433 | 26,459 | 8,249 | 2,319 | 21,039 |
| 2012 | 6,707 | 3,943 | 19,236 | 6,594 | 337 | 11,241 |
| Diseases in crops and orchards farms, 2017 | 44 | 15 | 35 | 43 | 46 | 219 |
| 2012 | 46 | 29 | 28 | 43 | 30 | 196 |
| acres, 2017 | 16,048 | 2,589 | 13,984 | 22,269 | 18,331 | 211,482 |
| 2012 | 13,443 | 3,911 | 5,548 | 7,291 | 14,474 | 187,825 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 14 | - | 3 | 7 | 4 | 39 |
| 2012 | 2 | 2 | 1 | 11 | 2 | 26 |
| acres on which used, 2017 | 362 | - | 1,910 | 975 | 810 | 23,423 |
| 2012 | (D) | (D) | (D) | 582 | (D) | 8,265 |

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

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

| Item | Martin | Meeker | Mille Lacs | Morrison | Mower | Murray |
|------------------------------------------------------------------------------------|----------|---------|------------|----------|------------|------------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 683 | 505 | 252 | 961 | 658 | 581 |
|farms, 2012 | 679 | 608 | 315 | 1,161 | 687 | 605 |
|acres treated, 2017 | 305,802 | 175,316 | 59,494 | 144,099 | 300,713 | 253,898 |
|acres treated, 2012 | 304,696 | 177,582 | 46,103 | 168,960 | 319,883 | 238,714 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 679 | 487 | 243 | 942 | 652 | 580 |
|farms, 2012 | 676 | 591 | 310 | 1,137 | 679 | 598 |
|acres treated, 2017 | 305,528 | 174,879 | 58,900 | 142,091 | 300,429 | 252,642 |
|acres treated, 2012 | 304,294 | 175,684 | 45,596 | 164,780 | 319,577 | 238,120 |
| Pastureland and rangeland fertilizedfarms, 2017 | 12 | 29 | 28 | 75 | 28 | 16 |
|farms, 2012 | 15 | 35 | 21 | 97 | 30 | 21 |
|acres treated, 2017 | 274 | 437 | 594 | 2,008 | 284 | 1,256 |
|acres treated, 2012 | 402 | 1,898 | 507 | 4,180 | 306 | 594 |
| Manurefarms, 2017 | 279 | 233 | 174 | 608 | 252 | 199 |
|farms, 2012 | 266 | 245 | 194 | 738 | 297 | 183 |
|acres treated, 2017 | 65,229 | 23,006 | 10,761 | 60,259 | 24,078 | 33,183 |
|acres treated, 2012 | 52,066 | 22,483 | 10,177 | 67,677 | 32,700 | 23,450 |
| Organic fertilizer (see text)farms, 2017 | 10 | 10 | 12 | 27 | 24 | 19 |
|farms, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
|acres treated, 2017 | 2,041 | 4,058 | 609 | 3,015 | 1,150 | 4,426 |
|acres treated, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 517 | 236 | 29 | 201 | 368 | 407 |
|farms, 2012 | 388 | 327 | 42 | 228 | 442 | 359 |
|acres, 2017 | 219,103 | 83,593 | 4,213 | 26,121 | 176,591 | 154,446 |
|acres, 2012 | 161,342 | 87,104 | 5,727 | 28,826 | 162,665 | 119,089 |
| Weeds, grass, or brushfarms, 2017 | 677 | 493 | 205 | 782 | 631 | 580 |
|farms, 2012 | 685 | 612 | 292 | 1,073 | 691 | 630 |
|acres, 2017 | 407,115 | 221,881 | 58,728 | 141,449 | 374,004 | 324,956 |
|acres, 2012 | 383,238 | 219,747 | 50,393 | 165,260 | 376,482 | 336,453 |
| Nematodesfarms, 2017 | 91 | 51 | 2 | 15 | 74 | 89 |
|farms, 2012 | 116 | 58 | 11 | 29 | 97 | 59 |
|acres, 2017 | 23,975 | 13,960 | (D) | 2,995 | 22,111 | 26,084 |
|acres, 2012 | 29,757 | 12,430 | 277 | 3,846 | 27,646 | 18,299 |
| Diseases in crops and orchardsfarms, 2017 | 54 | 26 | 11 | 14 | 127 | 42 |
|farms, 2012 | 61 | 61 | 23 | 32 | 119 | 25 |
|acres, 2017 | 18,631 | 10,956 | 1,302 | 1,214 | 71,405 | 8,006 |
|acres, 2012 | 18,266 | 12,536 | 925 | 3,398 | 54,549 | 8,867 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 6 | 2 | - | 11 | 10 | 6 |
|farms, 2012 | 6 | 6 | 3 | 5 | 16 | 1 |
|acres on which used, 2017 | 323 | (D) | - | 1,314 | 1,154 | 930 |
|acres on which used, 2012 | 1,029 | 93 | 29 | 523 | 9,045 | (D) |
| Item | Nicollet | Nobles | Norman | Olmsted | Otter Tail | Pennington |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 533 | 632 | 361 | 577 | 1,176 | 231 |
|farms, 2012 | 567 | 736 | 405 | 655 | 1,416 | 223 |
|acres treated, 2017 | 169,763 | 265,293 | 326,757 | 181,741 | 376,034 | 178,312 |
|acres treated, 2012 | 184,611 | 236,520 | 350,557 | 164,178 | 417,909 | 141,423 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 529 | 624 | 358 | 553 | 1,146 | 229 |
|farms, 2012 | 567 | 727 | 397 | 628 | 1,384 | 219 |
|acres treated, 2017 | 169,659 | 264,083 | 326,168 | 179,816 | 372,017 | 176,354 |
|acres treated, 2012 | 184,475 | 234,762 | 349,681 | 161,681 | 411,808 | 140,625 |
| Pastureland and rangeland fertilizedfarms, 2017 | 10 | 26 | 16 | 71 | 110 | 21 |
|farms, 2012 | 10 | 38 | 28 | 80 | 112 | 20 |
|acres treated, 2017 | 104 | 1,210 | 589 | 1,925 | 4,017 | 1,958 |
|acres treated, 2012 | 136 | 1,758 | 876 | 2,497 | 6,101 | 798 |
| Manurefarms, 2017 | 234 | 262 | 49 | 285 | 546 | 45 |
|farms, 2012 | 246 | 222 | 76 | 284 | 601 | 45 |
|acres treated, 2017 | 30,368 | 53,240 | 1,842 | 20,848 | 40,430 | 3,006 |
|acres treated, 2012 | 34,818 | 37,064 | 3,462 | 19,254 | 39,981 | 2,520 |
| Organic fertilizer (see text)farms, 2017 | 10 | 20 | - | 22 | 25 | 3 |
|farms, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
|acres treated, 2017 | 957 | 2,952 | - | 671 | 1,598 | 1,692 |
|acres treated, 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 323 | 441 | 292 | 268 | 487 | 178 |
|farms, 2012 | 327 | 446 | 264 | 330 | 486 | 107 |
|acres, 2017 | 83,366 | 162,138 | 279,060 | 89,901 | 172,435 | 139,584 |
|acres, 2012 | 73,338 | 128,952 | 197,067 | 73,363 | 132,450 | 64,795 |
| Weeds, grass, or brushfarms, 2017 | 517 | 598 | 349 | 532 | 1,085 | 202 |
|farms, 2012 | 576 | 751 | 414 | 635 | 1,493 | 218 |
|acres, 2017 | 228,418 | 345,484 | 459,229 | 196,832 | 413,770 | 192,624 |
|acres, 2012 | 227,245 | 326,823 | 450,808 | 168,374 | 468,940 | 160,278 |
| Nematodesfarms, 2017 | 68 | 76 | 23 | 34 | 56 | 5 |
|farms, 2012 | 82 | 71 | 31 | 88 | 48 | 2 |
|acres, 2017 | 14,827 | 21,817 | 6,848 | 5,818 | 17,701 | 1,437 |
|acres, 2012 | 18,039 | 17,930 | 16,857 | 11,185 | 19,265 | (D) |
| Diseases in crops and orchardsfarms, 2017 | 38 | 57 | 157 | 66 | 89 | 69 |
|farms, 2012 | 61 | 55 | 107 | 105 | 101 | 60 |
|acres, 2017 | 6,695 | 16,096 | 133,441 | 19,858 | 30,115 | 57,287 |
|acres, 2012 | 17,748 | 12,747 | 74,314 | 21,230 | 29,643 | 40,456 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 4 | 7 | 14 | 6 | 24 | 6 |
|farms, 2012 | 4 | 7 | 10 | 6 | 12 | 5 |
|acres on which used, 2017 | (D) | 266 | 13,249 | 257 | 7,353 | 2,944 |
|acres on which used, 2012 | 560 | 470 | 5,632 | 466 | 4,203 | 778 |

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

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

| Item | Pine | Pipestone | Polk | Pope | Ramsey | Red Lake |
|-------------------------------------------------------------------------------------|--------|-----------|---------|---------|--------|----------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 298 | 376 | 727 | 427 | 20 | 174 |
| 2012 | 316 | 443 | 718 | 434 | 48 | 176 |
| acres treated, 2017 | 32,852 | 146,762 | 690,763 | 204,929 | 108 | 133,326 |
| 2012 | 46,382 | 142,871 | 711,827 | 175,516 | 244 | 104,862 |
| Cropland fertilized, except cropland pasture farms, 2017 | 281 | 363 | 708 | 406 | 20 | 172 |
| 2012 | 304 | 435 | 713 | 426 | 48 | 172 |
| acres treated, 2017 | 31,340 | 144,666 | 689,127 | 203,481 | 108 | 133,130 |
| 2012 | 44,335 | 140,578 | 710,459 | 174,238 | 244 | 103,924 |
| Pastureland and rangeland fertilized farms, 2017 | 43 | 40 | 38 | 38 | - | 6 |
| 2012 | 34 | 43 | 22 | 22 | - | 15 |
| acres treated, 2017 | 1,512 | 2,096 | 1,636 | 1,448 | - | 196 |
| 2012 | 2,047 | 2,293 | 1,368 | 1,278 | - | 938 |
| Manure farms, 2017 | 197 | 185 | 104 | 186 | 13 | 43 |
| 2012 | 214 | 185 | 79 | 141 | 4 | 43 |
| acres treated, 2017 | 8,867 | 30,388 | 9,803 | 25,119 | (D) | 3,600 |
| 2012 | 11,371 | 22,441 | 7,939 | 16,927 | 13 | 2,837 |
| Organic fertilizer (see text) farms, 2017 | 20 | 7 | 15 | 8 | 8 | 2 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 869 | 313 | 14,729 | 245 | 10 | (D) |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 36 | 204 | 563 | 258 | 6 | 119 |
| 2012 | 43 | 238 | 401 | 254 | 47 | 52 |
| acres, 2017 | 2,896 | 70,745 | 525,869 | 104,076 | 36 | 86,635 |
| 2012 | 6,415 | 46,058 | 399,111 | 74,508 | 167 | 27,984 |
| Weeds, grass, or brush farms, 2017 | 200 | 380 | 679 | 417 | 6 | 159 |
| 2012 | 260 | 470 | 736 | 463 | 46 | 169 |
| acres, 2017 | 25,598 | 191,769 | 799,109 | 229,707 | (D) | 161,941 |
| 2012 | 43,133 | 184,615 | 831,613 | 214,052 | (D) | 126,713 |
| Nematodes farms, 2017 | - | 42 | 66 | 14 | - | 11 |
| 2012 | 9 | 26 | 52 | 32 | 11 | 1 |
| acres, 2017 | - | 13,208 | 26,427 | 3,576 | - | 3,791 |
| 2012 | 113 | 3,185 | 36,200 | 4,174 | 39 | (D) |
| Diseases in crops and orchards farms, 2017 | 10 | 27 | 338 | 37 | 4 | 54 |
| 2012 | 18 | 17 | 281 | 23 | 14 | 41 |
| acres, 2017 | 133 | 5,421 | 325,043 | 10,619 | 38 | 40,702 |
| 2012 | 1,014 | 1,108 | 278,281 | 6,191 | 45 | 21,439 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 3 | 1 | 52 | 7 | 1 | 10 |
| 2012 | 8 | 2 | 53 | 5 | 1 | 10 |
| acres on which used, 2017 | (D) | (D) | 25,152 | 1,712 | (D) | 2,842 |
| 2012 | 86 | (D) | 34,546 | 1,467 | (D) | 3,480 |

| Item | Redwood | Renville | Rice | Rock | Roseau | St. Louis |
|-------------------------------------------------------------------------------------|---------|----------|---------|---------|---------|-----------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 816 | 719 | 635 | 533 | 340 | 149 |
| 2012 | 863 | 758 | 629 | 508 | 388 | 142 |
| acres treated, 2017 | 323,099 | 383,327 | 133,819 | 180,465 | 273,519 | 9,102 |
| 2012 | 337,739 | 432,285 | 135,501 | 179,011 | 249,948 | 7,787 |
| Cropland fertilized, except cropland pasture farms, 2017 | 812 | 719 | 612 | 507 | 322 | 140 |
| 2012 | 863 | 756 | 610 | 494 | 379 | 124 |
| acres treated, 2017 | 322,732 | 383,255 | 133,424 | 178,699 | 272,223 | 8,512 |
| 2012 | 337,167 | 432,067 | 133,527 | 176,727 | 248,399 | 7,011 |
| Pastureland and rangeland fertilized farms, 2017 | 20 | 5 | 35 | 56 | 30 | 18 |
| 2012 | 23 | 12 | 53 | 47 | 29 | 29 |
| acres treated, 2017 | 367 | 72 | 395 | 1,766 | 1,296 | 590 |
| 2012 | 572 | 218 | 1,974 | 2,284 | 1,549 | 776 |
| Manure farms, 2017 | 273 | 185 | 280 | 279 | 68 | 123 |
| 2012 | 255 | 201 | 272 | 206 | 77 | 140 |
| acres treated, 2017 | 37,534 | 40,496 | 23,644 | 47,815 | 6,508 | 4,180 |
| 2012 | 27,073 | 30,888 | 18,238 | 30,968 | 7,241 | 3,949 |
| Organic fertilizer (see text) farms, 2017 | 11 | 6 | 21 | 18 | 11 | 24 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 2,321 | 3,068 | 3,902 | 4,021 | 1,599 | 694 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 521 | 500 | 223 | 245 | 235 | 21 |
| 2012 | 542 | 542 | 296 | 294 | 160 | 42 |
| acres, 2017 | 168,091 | 213,932 | 51,657 | 87,426 | 254,284 | (D) |
| 2012 | 166,593 | 211,230 | 60,324 | 94,766 | 142,939 | 579 |
| Weeds, grass, or brush farms, 2017 | 793 | 684 | 586 | 533 | 306 | 38 |
| 2012 | 881 | 767 | 656 | 510 | 400 | 72 |
| acres, 2017 | 453,635 | 542,439 | 156,969 | 242,782 | 330,148 | 9,957 |
| 2012 | 444,934 | 526,721 | 158,372 | 243,605 | 297,806 | 8,995 |
| Nematodes farms, 2017 | 108 | 81 | 35 | 33 | 17 | 2 |
| 2012 | 156 | 180 | 50 | 48 | 18 | 6 |
| acres, 2017 | 33,719 | 36,047 | 5,383 | 6,235 | 8,188 | (D) |
| 2012 | 36,101 | 46,782 | 6,414 | 9,280 | 5,163 | 19 |
| Diseases in crops and orchards farms, 2017 | 83 | 119 | 56 | 32 | 122 | 8 |
| 2012 | 118 | 201 | 60 | 14 | 99 | 20 |
| acres, 2017 | 30,043 | 46,397 | 12,114 | 6,792 | 133,420 | 171 |
| 2012 | 28,736 | 70,719 | 5,877 | 4,706 | 78,234 | (D) |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 2 | 9 | 16 | 4 | 37 | 2 |
| 2012 | 8 | 14 | 7 | 6 | 21 | 2 |
| acres on which used, 2017 | (D) | 8,597 | 2,118 | (D) | 12,608 | (D) |
| 2012 | 937 | 7,685 | 469 | 1,310 | 8,696 | (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 | Scott | Sherburne | Sibley | Stearns | Steele | Stevens |
|------------------------------------------------------------------------------------|---------|-----------|----------|---------|---------|---------|
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 349 | 199 | 594 | 1,808 | 371 | 316 |
| 2012 | 442 | 213 | 679 | 2,274 | 411 | 337 |
| acres treated, 2017 | 52,625 | 60,238 | 225,592 | 329,051 | 174,269 | 215,824 |
| 2012 | 79,472 | 69,525 | 246,302 | 414,635 | 162,555 | 218,777 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 323 | 188 | 581 | 1,775 | 360 | 310 |
| 2012 | 429 | 206 | 678 | 2,249 | 402 | 331 |
| acres treated, 2017 | 51,979 | 60,095 | 225,406 | 326,548 | 174,023 | 215,314 |
| 2012 | 78,998 | 69,013 | 245,978 | 410,508 | 162,334 | 218,053 |
| Pastureland and rangeland fertilizedfarms, 2017 | 45 | 15 | 24 | 104 | 19 | 15 |
| 2012 | 32 | 17 | 20 | 151 | 18 | 16 |
| acres treated, 2017 | 646 | 143 | 186 | 2,503 | 246 | 510 |
| 2012 | 474 | 512 | 324 | 4,127 | 221 | 724 |
| Manurefarms, 2017 | 175 | 75 | 263 | 1,222 | 182 | 104 |
| 2012 | 193 | 99 | 276 | 1,471 | 157 | 115 |
| acres treated, 2017 | 9,189 | 3,943 | 30,229 | 131,231 | 22,549 | 20,310 |
| 2012 | 11,599 | 8,944 | 23,212 | 146,190 | 18,921 | 26,961 |
| Organic fertilizer (see text)farms, 2017 | 10 | 4 | 10 | 46 | 3 | 6 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 521 | 63 | 1,588 | 4,524 | 85 | 2,585 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 110 | 69 | 256 | 485 | 192 | 201 |
| 2012 | 153 | 73 | 397 | 890 | 237 | 170 |
| acres, 2017 | 18,316 | 22,666 | 99,337 | 86,350 | 106,348 | 95,979 |
| 2012 | 23,996 | 25,282 | 97,019 | 114,539 | 87,407 | 61,742 |
| Weeds, grass, or brushfarms, 2017 | 329 | 153 | 581 | 1,693 | 347 | 327 |
| 2012 | 449 | 195 | 681 | 2,307 | 419 | 334 |
| acres, 2017 | 72,165 | 61,247 | 290,313 | 360,361 | 201,767 | 276,591 |
| 2012 | 89,488 | 74,674 | 290,189 | 431,371 | 184,553 | 273,056 |
| Nematodesfarms, 2017 | 5 | 12 | 34 | 144 | 37 | 15 |
| 2012 | 29 | 21 | 94 | 104 | 59 | 12 |
| acres, 2017 | 490 | 4,578 | 6,636 | 4,337 | 17,942 | 5,276 |
| 2012 | 1,925 | 7,173 | 22,058 | 17,834 | 20,672 | 6,975 |
| Diseases in crops and orchardsfarms, 2017 | 21 | 30 | 52 | 76 | 57 | 33 |
| 2012 | 31 | 24 | 63 | 110 | 61 | 37 |
| acres, 2017 | 1,101 | 6,975 | 15,407 | 16,082 | 26,727 | 14,037 |
| 2012 | 442 | 9,177 | 15,830 | 12,855 | 25,589 | 12,286 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 8 | 23 | 3 | 16 | 4 | 13 |
| 2012 | 15 | 18 | 1 | 28 | 6 | 15 |
| acres on which used, 2017 | 224 | 6,843 | (D) | 2,186 | 628 | 5,556 |
| 2012 | 314 | 3,967 | (D) | 3,703 | 1,040 | 3,453 |
| Item | Swift | Todd | Traverse | Wabasha | Wadena | Waseca |
| Commercial fertilizer, lime, and soil conditionersfarms, 2017 | 468 | 838 | 272 | 555 | 218 | 464 |
| 2012 | 480 | 1,057 | 268 | 604 | 271 | 505 |
| acres treated, 2017 | 229,201 | 122,249 | 244,988 | 125,845 | 44,179 | 155,322 |
| 2012 | 235,612 | 163,560 | 227,389 | 134,549 | 45,733 | 163,389 |
| Cropland fertilized, except cropland pasturefarms, 2017 | 466 | 807 | 270 | 550 | 210 | 458 |
| 2012 | 476 | 1,040 | 263 | 593 | 264 | 502 |
| acres treated, 2017 | 228,311 | 119,876 | 244,777 | 124,356 | 43,112 | 155,170 |
| 2012 | 234,795 | 158,922 | 227,327 | 131,379 | 44,948 | 163,121 |
| Pastureland and rangeland fertilizedfarms, 2017 | 9 | 86 | 3 | 54 | 27 | 9 |
| 2012 | 13 | 94 | 5 | 92 | 25 | 17 |
| acres treated, 2017 | 890 | 2,373 | 211 | 1,489 | 1,067 | 152 |
| 2012 | 817 | 4,638 | 62 | 3,170 | 785 | 268 |
| Manurefarms, 2017 | 140 | 507 | 27 | 313 | 125 | 189 |
| 2012 | 129 | 556 | 38 | 340 | 145 | 163 |
| acres treated, 2017 | 26,581 | 40,160 | 2,188 | 32,685 | 5,869 | 35,074 |
| 2012 | 18,371 | 35,978 | 6,753 | 31,956 | 7,664 | 21,141 |
| Organic fertilizer (see text)farms, 2017 | 6 | 17 | - | 16 | 16 | 17 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 3,038 | 861 | - | 1,182 | 419 | 3,592 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insectsfarms, 2017 | 319 | 277 | 165 | 201 | 59 | 258 |
| 2012 | 331 | 230 | 132 | 295 | 45 | 311 |
| acres, 2017 | 117,202 | 38,889 | 144,281 | 39,560 | 13,930 | 85,991 |
| 2012 | 103,933 | 24,338 | 95,667 | 42,099 | 5,002 | 83,174 |
| Weeds, grass, or brushfarms, 2017 | 464 | 759 | 263 | 501 | 158 | 452 |
| 2012 | 492 | 1,073 | 284 | 607 | 248 | 525 |
| acres, 2017 | 280,959 | 131,757 | 321,889 | 127,134 | 37,186 | 209,199 |
| 2012 | 288,823 | 169,566 | 313,279 | 127,319 | 41,954 | 192,871 |
| Nematodesfarms, 2017 | 50 | 13 | 29 | 35 | 5 | 50 |
| 2012 | 67 | 14 | 21 | 61 | 7 | 95 |
| acres, 2017 | 15,029 | 984 | 14,156 | 4,225 | 750 | 13,422 |
| 2012 | 12,331 | 1,436 | 13,163 | 7,132 | 2,968 | 13,982 |
| Diseases in crops and orchardsfarms, 2017 | 52 | 29 | 23 | 43 | 16 | 68 |
| 2012 | 57 | 38 | 49 | 62 | 15 | 82 |
| acres, 2017 | 17,472 | 3,117 | 12,866 | 6,925 | 8,403 | 24,665 |
| 2012 | 16,558 | 5,028 | 32,939 | 7,780 | 3,236 | 15,850 |
| Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017 | 7 | 2 | 5 | 14 | 5 | 2 |
| 2012 | 12 | 14 | 16 | 7 | 4 | 5 |
| acres on which used, 2017 | 2,009 | (D) | 1,721 | 808 | 3,257 | (D) |
| 2012 | 3,838 | 1,348 | 12,134 | 1,931 | 270 | 863 |

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

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

| Item | Washington | Watonwan | Wilkin | Winona | Wright | Yellow Medicine |
|-------------------------------------------------------------------------------------|------------|----------|---------|---------|---------|-----------------|
| Commercial fertilizer, lime, and soil conditioners farms, 2017 | 293 | 328 | 266 | 621 | 681 | 537 |
| 2012 | 276 | 333 | 280 | 684 | 760 | 588 |
| acres treated, 2017 | 42,772 | 163,446 | 256,891 | 128,119 | 146,693 | 247,444 |
| 2012 | 44,189 | 160,609 | 285,407 | 129,923 | 159,061 | 249,077 |
| Cropland fertilized, except cropland pasture farms, 2017 | 271 | 326 | 266 | 610 | 664 | 534 |
| 2012 | 254 | 328 | 278 | 673 | 735 | 573 |
| acres treated, 2017 | 41,556 | 163,367 | (D) | 125,828 | 146,162 | 246,376 |
| 2012 | 42,924 | 160,291 | 285,389 | 124,881 | 157,864 | 248,201 |
| Pastureland and rangeland fertilized farms, 2017 | 48 | 5 | 1 | 65 | 41 | 32 |
| 2012 | 44 | 9 | 3 | 90 | 65 | 28 |
| acres treated, 2017 | 1,216 | 79 | (D) | 2,291 | 531 | 1,068 |
| 2012 | 1,265 | 318 | 18 | 5,042 | 1,197 | 876 |
| Manure farms, 2017 | 121 | 122 | 20 | 391 | 361 | 139 |
| 2012 | 113 | 110 | 28 | 420 | 363 | 138 |
| acres treated, 2017 | 2,905 | 24,107 | 2,039 | 41,138 | 23,154 | 26,405 |
| 2012 | 4,554 | 17,011 | 3,487 | 40,529 | 20,919 | 19,332 |
| Organic fertilizer (see text) farms, 2017 | 20 | 3 | 1 | 48 | 28 | 7 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| acres treated, 2017 | 293 | (D) | (D) | 4,415 | 1,251 | 1,961 |
| 2012 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Acres treated to control-- | | | | | | |
| Insects farms, 2017 | 84 | 249 | 156 | 225 | 170 | 336 |
| 2012 | 126 | 231 | 138 | 306 | 266 | 288 |
| acres, 2017 | 12,395 | 103,870 | 109,468 | 45,105 | 29,892 | 132,924 |
| 2012 | 11,925 | 89,674 | 79,052 | 48,021 | 46,238 | 105,276 |
| Weeds, grass, or brush farms, 2017 | 234 | 321 | 259 | 523 | 606 | 525 |
| 2012 | 257 | 341 | 290 | 681 | 765 | 609 |
| acres, 2017 | 45,741 | 217,952 | 386,482 | 124,386 | 168,026 | 313,234 |
| 2012 | 45,303 | 203,489 | 396,927 | 127,161 | 184,532 | 328,973 |
| Nematodes farms, 2017 | 4 | 47 | 20 | 46 | 11 | 62 |
| 2012 | 24 | 48 | 14 | 44 | 43 | 39 |
| acres, 2017 | 769 | 13,094 | 10,754 | 2,646 | 1,346 | 15,984 |
| 2012 | 1,717 | 10,687 | 4,297 | 5,133 | 3,515 | 12,796 |
| Diseases in crops and orchards farms, 2017 | 43 | 25 | 75 | 55 | 56 | 48 |
| 2012 | 53 | 22 | 70 | 62 | 72 | 33 |
| acres, 2017 | 1,469 | 9,727 | 46,336 | 7,155 | 5,068 | 13,702 |
| 2012 | 1,926 | 4,514 | 50,639 | 7,785 | 11,716 | 11,481 |
| Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017 | 14 | 1 | 3 | 9 | 18 | 1 |
| 2012 | 14 | 1 | 8 | 24 | 16 | 2 |
| acres on which used, 2017 | 357 | (D) | 1,273 | 2,299 | 432 | (D) |
| 2012 | 414 | (D) | 2,077 | 815 | 571 | (D) |