









Table 9. Use of Commercial Fertilizer on Irrigated and Nonirrigated Farms: 1969<sup>1</sup>—Continued

|                                      | Number of farms | Total acres in farms | Irrigated acres in farms | Crops harvested |                 |                  | Tons of liquid fertilizer applied | Tons of dry fertilizer applied |
|--------------------------------------|-----------------|----------------------|--------------------------|-----------------|-----------------|------------------|-----------------------------------|--------------------------------|
|                                      |                 |                      |                          | Acres harvested | Acres irrigated | Acres fertilized |                                   |                                |
| Wisconsin.....                       | 76,935          | 15,938,358           | 100,413                  | 7,752,787       | 97,387          | 3,604,345        | 75,715                            | 512,457                        |
| Irrigated farms.....                 | 1,034           | 464,312              | 100,413                  | 202,557         | 97,387          | 164,614          | 6,796                             | 44,673                         |
| Nonirrigated farms.....              | 75,901          | 15,474,046           | (X)                      | 7,550,231       | (X)             | 3,439,732        | 68,919                            | 467,785                        |
| <b>Water Resources Areas</b>         |                 |                      |                          |                 |                 |                  |                                   |                                |
| WRA 01 New England.....              | 15,925          | 3,524,704            | 35,779                   | 1,021,046       | 35,207          | 577,226          | 10,888                            | 241,601                        |
| Irrigated farms.....                 | 1,248           | 219,026              | 35,779                   | 76,438          | 35,207          | 67,514           | 2,842                             | 36,792                         |
| Nonirrigated farms.....              | 14,677          | 3,305,678            | (X)                      | 944,609         | (X)             | 509,712          | 8,046                             | 204,809                        |
| WRA 02 Middle Atlantic.....          | 83,108          | 18,760,311           | 193,071                  | 7,902,781       | 195,394         | 4,719,507        | 106,057                           | 1,177,581                      |
| Irrigated farms.....                 | 3,848           | 888,104              | 193,071                  | 509,000         | 195,394         | 426,648          | 8,962                             | 212,213                        |
| Nonirrigated farms.....              | 79,260          | 17,872,207           | (X)                      | 7,393,782       | (X)             | 4,292,860        | 97,095                            | 965,369                        |
| WRA 03 South Atlantic-Gulf.....      | 181,910         | 53,756,016           | 1,518,180                | 13,810,932      | 1,170,165       | 10,997,258       | 483,194                           | 3,847,464                      |
| Irrigated farms.....                 | 16,648          | 8,391,734            | 1,518,180                | 2,294,484       | 1,170,165       | 2,094,973        | 88,145                            | 1,257,032                      |
| Nonirrigated farms.....              | 165,262         | 45,364,282           | (X)                      | 11,516,449      | (X)             | 8,902,285        | 395,049                           | 2,590,432                      |
| WRA 04 Great Lakes.....              | 131,193         | 27,049,066           | 143,746                  | 15,523,707      | 138,952         | 9,392,231        | 231,438                           | 1,462,578                      |
| Irrigated farms.....                 | 3,196           | 724,994              | 143,746                  | 407,062         | 138,952         | 343,694          | 9,628                             | 92,113                         |
| Nonirrigated farms.....              | 127,997         | 26,324,072           | (X)                      | 15,116,645      | (X)             | 9,048,537        | 221,810                           | 1,370,464                      |
| WRA 05 Ohio.....                     | 202,344         | 44,519,365           | 46,236                   | 19,576,549      | 44,520          | 11,693,218       | 485,292                           | 1,912,596                      |
| Irrigated farms.....                 | 5,335           | 1,352,521            | 46,236                   | 385,020         | 44,520          | 217,646          | 7,339                             | 64,514                         |
| Nonirrigated farms.....              | 197,009         | 43,166,844           | (X)                      | 19,191,528      | (X)             | 11,475,573       | 477,953                           | 1,848,082                      |
| WRA 06 Tennessee.....                | 37,907          | 7,854,467            | 23,423                   | 2,013,559       | 22,081          | 1,277,329        | 35,539                            | 280,763                        |
| Irrigated farms.....                 | 598             | 243,053              | 23,423                   | 101,868         | 22,081          | 61,745           | 2,581                             | 11,490                         |
| Nonirrigated farms.....              | 37,309          | 7,611,414            | (X)                      | 1,911,691       | (X)             | 1,215,584        | 32,959                            | 269,273                        |
| WRA 07 Upper Mississippi.....        | 309,028         | 80,910,673           | 144,794                  | 46,802,378      | 140,765         | 23,250,356       | 1,218,345                         | 2,815,044                      |
| Irrigated farms.....                 | 1,698           | 706,677              | 144,794                  | 364,486         | 140,765         | 266,937          | 15,189                            | 95,626                         |
| Nonirrigated farms.....              | 307,330         | 80,203,996           | (X)                      | 46,437,893      | (X)             | 22,983,419       | 1,203,156                         | 2,755,418                      |
| WRA 08 Lower Mississippi.....        | 68,056          | 27,931,496           | 1,877,715                | 15,513,395      | 1,857,985       | 7,921,503        | 225,924                           | 952,620                        |
| Irrigated farms.....                 | 9,839           | 6,655,064            | 1,877,715                | 4,776,764       | 1,857,985       | 3,033,100        | 46,744                            | 371,645                        |
| Nonirrigated farms.....              | 58,217          | 21,276,432           | (X)                      | 10,736,630      | (X)             | 4,888,403        | 179,181                           | 580,975                        |
| WRA 09 Souris-Red-Rainy.....         | 37,591          | 25,284,828           | 15,329                   | 13,262,081      | 14,439          | 7,501,729        | 59,492                            | 369,286                        |
| Irrigated farms.....                 | 131             | 146,036              | 15,329                   | 59,048          | 14,439          | 23,819           | 449                               | 1,970                          |
| Nonirrigated farms.....              | 37,460          | 25,138,792           | (X)                      | 13,203,033      | (X)             | 7,477,910        | 59,043                            | 367,316                        |
| WRA 10 Missouri.....                 | 280,797         | 250,741,671          | 7,132,805                | 64,582,857      | 6,304,529       | 26,085,373       | 941,271                           | 1,603,746                      |
| Irrigated farms.....                 | 38,703          | 63,051,269           | 7,132,805                | 11,143,365      | 6,304,529       | 6,075,685        | 373,003                           | 402,693                        |
| Nonirrigated farms.....              | 242,094         | 187,690,402          | (X)                      | 53,439,472      | (X)             | 20,009,688       | 568,269                           | 1,201,053                      |
| WRA 11 Arkansas-White-Red.....       | 141,426         | 110,125,934          | 4,117,932                | 25,726,368      | 3,683,958       | 12,501,795       | 395,391                           | 743,587                        |
| Irrigated farms.....                 | 15,449          | 23,460,831           | 4,117,932                | 6,437,885       | 3,683,958       | 3,991,428        | 252,690                           | 176,782                        |
| Nonirrigated farms.....              | 125,977         | 86,665,103           | (X)                      | 19,288,483      | (X)             | 8,510,367        | 142,701                           | 566,804                        |
| WRA 12 Texas-Gulf.....               | 95,968          | 83,506,888           | 4,506,214                | 13,995,883      | 4,103,200       | 7,645,243        | 344,120                           | 658,130                        |
| Irrigated farms.....                 | 17,524          | 16,466,653           | 4,506,214                | 5,907,422       | 4,103,200       | 4,142,019        | 216,024                           | 392,882                        |
| Nonirrigated farms.....              | 78,444          | 67,040,235           | (X)                      | 8,088,461       | (X)             | 3,503,224        | 128,096                           | 265,248                        |
| WRA 13 Rio Grande.....               | 10,719          | 50,219,845           | 1,608,496                | 1,725,008       | 1,337,783       | 1,087,466        | 53,820                            | 105,900                        |
| Irrigated farms.....                 | 6,649           | 11,220,439           | 1,608,496                | 1,468,386       | 1,337,783       | 1,019,230        | 51,285                            | 103,598                        |
| Nonirrigated farms.....              | 4,070           | 38,999,406           | (X)                      | 256,622         | (X)             | 68,237           | 2,535                             | 2,302                          |
| WRA 14 Upper Colorado.....           | 7,017           | 11,586,094           | 1,346,243                | 1,170,030       | 829,128         | 264,967          | 2,497                             | 31,523                         |
| Irrigated farms.....                 | 5,839           | 9,513,023            | 1,346,243                | 917,341         | 829,128         | 258,127          | 2,467                             | 31,168                         |
| Nonirrigated farms.....              | 1,178           | 2,073,071            | (X)                      | 252,689         | (X)             | 6,840            | 30                                | 355                            |
| WRA 15 Lower Colorado.....           | 5,092           | 22,362,186           | 1,186,281                | 1,116,003       | 1,107,513       | 934,857          | 71,038                            | 115,524                        |
| Irrigated farms.....                 | 3,330           | 7,256,747            | 1,186,281                | 1,113,357       | 1,107,513       | 934,712          | 71,031                            | 115,443                        |
| Nonirrigated farms.....              | 1,762           | 15,105,439           | (X)                      | 2,646           | (X)             | 145              | 7                                 | 80                             |
| WRA 16 Great Basin.....              | 9,363           | 16,689,177           | 1,491,453                | 1,511,742       | 1,128,036       | 316,311          | 1,919                             | 41,740                         |
| Irrigated farms.....                 | 7,784           | 12,779,718           | 1,491,453                | 1,313,825       | 1,128,036       | 277,410          | 1,674                             | 39,930                         |
| Nonirrigated farms.....              | 1,579           | 3,909,459            | (X)                      | 197,917         | (X)             | 38,902           | 246                               | 1,810                          |
| WRA 17 Columbia-North Pacific.....   | 59,144          | 45,228,075           | 5,360,447                | 10,935,683      | 4,344,505       | 6,670,600        | 231,923                           | 686,701                        |
| Irrigated farms.....                 | 34,717          | 26,315,896           | 5,360,447                | 5,769,614       | 4,344,505       | 3,313,002        | 109,799                           | 534,324                        |
| Nonirrigated farms.....              | 24,427          | 18,912,179           | (X)                      | 5,166,070       | (X)             | 3,357,599        | 122,123                           | 152,377                        |
| WRA 18 California-South Pacific..... | 54,663          | 34,713,938           | 7,301,702                | 7,795,022       | 6,458,201       | 5,607,317        | 392,712                           | 969,773                        |
| Irrigated farms.....                 | 40,045          | 18,830,942           | 7,301,702                | 7,100,983       | 6,458,201       | 5,367,051        | 385,293                           | 941,295                        |
| Nonirrigated farms.....              | 14,618          | 15,882,996           | (X)                      | 694,039         | (X)             | 240,267          | 7,419                             | 28,479                         |

See footnote at end of table.

## Farms With Sales of \$2,500 and Over

1969 Census of Agriculture  
States and Water Resources Areas

Class 1-5 Farms

Table 9. Use of Commercial Fertilizer on Irrigated and Nonirrigated Farms: 1969<sup>1</sup>—Continued

|                                      | Cropland pasture |                 |                  |                                   |                                | Noncropland pasture |                 |                  |                                   |                                |
|--------------------------------------|------------------|-----------------|------------------|-----------------------------------|--------------------------------|---------------------|-----------------|------------------|-----------------------------------|--------------------------------|
|                                      | Total acres      | Acres irrigated | Acres fertilized | Tons of liquid fertilizer applied | Tons of dry fertilizer applied | Total acres         | Acres irrigated | Acres fertilized | Tons of liquid fertilizer applied | Tons of dry fertilizer applied |
| Wisconsin.....                       | 1,832,580        | 560             | 89,450           | 615                               | 13,486                         | 317,046             | 85              | 30,442           | 424                               | 3,976                          |
| Irrigated farms.....                 | 15,443           | 560             | 1,299            | 26                                | 276                            | 5,602               | 85              | 147              | 8                                 | 26                             |
| Nonirrigated farms.....              | 1,817,137        | (X)             | 88,151           | 589                               | 13,210                         | 311,444             | (X)             | 30,295           | 416                               | 3,950                          |
| <b>Water Resources Areas</b>         |                  |                 |                  |                                   |                                |                     |                 |                  |                                   |                                |
| WRA 01 New England.....              | 345,152          | 324             | 82,719           | 812                               | 15,773                         | 82,194              | -               | 20,021           | 85                                | 3,688                          |
| Irrigated farms.....                 | 4,022            | 324             | 1,323            | 60                                | 234                            | 1,816               | -               | 499              | 16                                | 117                            |
| Nonirrigated farms.....              | 341,130          | (X)             | 81,396           | 752                               | 15,540                         | 80,378              | (X)             | 19,522           | 70                                | 3,571                          |
| WRA 02 Middle Atlantic.....          | 2,450,978        | 1,201           | 337,444          | 4,424                             | 70,442                         | 1,016,582           | 351             | 187,765          | 2,396                             | 34,832                         |
| Irrigated farms.....                 | 38,652           | 1,201           | 11,020           | 103                               | 3,100                          | 27,348              | 351             | 6,815            | 201                               | 1,201                          |
| Nonirrigated farms.....              | 2,412,326        | (X)             | 326,424          | 4,321                             | 67,342                         | 989,234             | (X)             | 180,950          | 2,195                             | 33,631                         |
| WRA 03 South Atlantic-Gulf.....      | 5,109,935        | 50,278          | 2,138,099        | 59,937                            | 471,394                        | 4,125,092           | 283,054         | 1,999,627        | 30,902                            | 375,381                        |
| Irrigated farms.....                 | 388,325          | 50,278          | 198,100          | 5,591                             | 46,346                         | 1,017,507           | 283,054         | 650,378          | 7,538                             | 122,329                        |
| Nonirrigated farms.....              | 4,721,610        | (X)             | 1,939,999        | 54,347                            | 425,048                        | 3,107,585           | (X)             | 1,349,249        | 23,364                            | 253,053                        |
| WRA 04 Great Lakes.....              | 2,268,406        | 1,090           | 137,447          | 743                               | 20,560                         | 296,328             | 4               | 27,632           | 126                               | 4,330                          |
| Irrigated farms.....                 | 23,098           | 1,090           | 1,389            | 21                                | 206                            | 4,222               | 4               | 738              | 8                                 | 112                            |
| Nonirrigated farms.....              | 2,245,308        | (X)             | 136,058          | 721                               | 20,355                         | 292,106             | (X)             | 26,894           | 118                               | 4,218                          |
| WRA 05 Ohio.....                     | 7,711,985        | 1,639           | 995,008          | 5,051                             | 175,763                        | 1,722,680           | 36              | 274,775          | 1,100                             | 48,165                         |
| Irrigated farms.....                 | 447,800          | 1,639           | 60,102           | 301                               | 9,558                          | 78,091              | 36              | 18,010           | 6                                 | 3,321                          |
| Nonirrigated farms.....              | 7,264,185        | (X)             | 934,906          | 4,750                             | 166,204                        | 1,644,589           | (X)             | 256,765          | 1,095                             | 44,844                         |
| WRA 06 Tennessee.....                | 1,812,083        | 1,162           | 528,163          | 3,905                             | 96,277                         | 458,790             | 26              | 134,262          | 1,552                             | 25,976                         |
| Irrigated farms.....                 | 31,828           | 1,162           | 11,242           | 73                                | 2,021                          | 7,452               | 26              | 2,156            | -                                 | 436                            |
| Nonirrigated farms.....              | 1,780,255        | (X)             | 516,921          | 3,832                             | 94,257                         | 451,338             | (X)             | 132,106          | 1,552                             | 25,541                         |
| WRA 07 Upper Mississippi.....        | 7,757,547        | 1,603           | 650,765          | 8,272                             | 88,661                         | 1,772,806           | 116             | 235,911          | 3,028                             | 30,748                         |
| Irrigated farms.....                 | 30,613           | 1,603           | 5,372            | 62                                | 948                            | 9,386               | 116             | 1,332            | 18                                | 133                            |
| Nonirrigated farms.....              | 7,726,934        | (X)             | 645,393          | 8,210                             | 87,713                         | 1,763,420           | (X)             | 234,579          | 3,010                             | 30,615                         |
| WRA 08 Lower Mississippi.....        | 2,847,451        | 20,213          | 746,622          | 4,799                             | 114,679                        | 1,208,663           | 3,534           | 387,502          | 2,098                             | 54,262                         |
| Irrigated farms.....                 | 427,759          | 20,213          | 95,649           | 380                               | 12,141                         | 129,680             | 3,534           | 40,799           | 78                                | 4,466                          |
| Nonirrigated farms.....              | 2,419,692        | (X)             | 650,973          | 4,419                             | 102,538                        | 1,078,983           | (X)             | 346,703          | 2,020                             | 49,796                         |
| WRA 09 Souris-Red-Rainy.....         | 991,073          | 203             | 49,784           | 254                               | 3,916                          | 328,919             | 572             | 12,925           | 53                                | 815                            |
| Irrigated farms.....                 | 7,659            | 203             | 823              | -                                 | 52                             | 11,170              | 572             | 323              | -                                 | 16                             |
| Nonirrigated farms.....              | 983,414          | (X)             | 48,961           | 254                               | 3,864                          | 317,749             | (X)             | 12,602           | 53                                | 799                            |
| WRA 10 Missouri.....                 | 15,532,662       | 469,819         | 1,527,793        | 15,254                            | 180,572                        | 9,283,536           | 289,409         | 713,188          | 7,865                             | 72,329                         |
| Irrigated farms.....                 | 2,064,659        | 469,819         | 190,569          | 2,241                             | 19,299                         | 2,107,881           | 289,409         | 95,644           | 1,511                             | 7,697                          |
| Nonirrigated farms.....              | 13,468,003       | (X)             | 1,337,224        | 13,013                            | 161,274                        | 7,175,655           | (X)             | 617,544          | 6,354                             | 64,632                         |
| WRA 11 Arkansas-White-Red.....       | 9,796,106        | 208,476         | 1,281,155        | 12,058                            | 155,888                        | 7,542,968           | 60,457          | 1,007,416        | 6,089                             | 115,357                        |
| Irrigated farms.....                 | 1,188,145        | 208,476         | 155,497          | 5,130                             | 12,551                         | 996,462             | 60,457          | 85,411           | 1,410                             | 9,001                          |
| Nonirrigated farms.....              | 8,607,961        | (X)             | 1,125,658        | 6,927                             | 143,336                        | 6,546,506           | (X)             | 922,005          | 4,679                             | 106,357                        |
| WRA 12 Texas-Gulf.....               | 6,767,055        | 174,320         | 1,062,423        | 12,500                            | 125,451                        | 7,483,504           | 61,906          | 1,042,934        | 7,687                             | 121,549                        |
| Irrigated farms.....                 | 1,149,669        | 174,320         | 189,271          | 4,273                             | 22,104                         | 897,972             | 61,906          | 116,521          | 1,696                             | 13,150                         |
| Nonirrigated farms.....              | 5,617,386        | (X)             | 873,152          | 8,227                             | 103,348                        | 6,585,532           | (X)             | 926,413          | 5,991                             | 108,399                        |
| WRA 13 Rio Grande.....               | 343,861          | 143,198         | 36,627           | 1,302                             | 3,934                          | 1,214,000           | 91,302          | 17,447           | 329                               | 1,650                          |
| Irrigated farms.....                 | 251,979          | 143,198         | 33,176           | 1,186                             | 3,305                          | 441,884             | 91,302          | 13,973           | 294                               | 1,359                          |
| Nonirrigated farms.....              | 91,882           | (X)             | 3,451            | 116                               | 629                            | 772,116             | (X)             | 3,474            | 35                                | 291                            |
| WRA 14 Upper Colorado.....           | 512,390          | 285,842         | 43,620           | 31                                | 4,470                          | 755,284             | 223,368         | 19,328           | 22                                | 1,450                          |
| Irrigated farms.....                 | 460,879          | 285,842         | 43,011           | 31                                | 4,405                          | 685,748             | 223,368         | 18,281           | 22                                | 1,388                          |
| Nonirrigated farms.....              | 51,511           | (X)             | 609              | -                                 | 65                             | 69,536              | (X)             | 1,047            | -                                 | 62                             |
| WRA 15 Lower Colorado.....           | 122,973          | 49,458          | 18,794           | 620                               | 1,652                          | 400,007             | 15,670          | 2,954            | 172                               | 220                            |
| Irrigated farms.....                 | 95,066           | 49,458          | 18,630           | 616                               | 1,615                          | 103,902             | 15,670          | 1,870            | 43                                | 200                            |
| Nonirrigated farms.....              | 27,907           | (X)             | 164              | 4                                 | 37                             | 296,105             | (X)             | 1,084            | 129                               | 20                             |
| WRA 16 Great Basin.....              | 467,530          | 184,671         | 26,103           | 12                                | 3,205                          | 798,928             | 171,488         | 8,374            | 10                                | 700                            |
| Irrigated farms.....                 | 420,667          | 184,671         | 25,408           | 12                                | 3,044                          | 745,226             | 171,488         | 7,728            | 10                                | 649                            |
| Nonirrigated farms.....              | 46,863           | (X)             | 695              | -                                 | 162                            | 53,702              | (X)             | 646              | -                                 | 51                             |
| WRA 17 Columbia-North Pacific.....   | 2,509,285        | 713,028         | 345,236          | 1,513                             | 43,064                         | 2,325,153           | 243,832         | 98,558           | 323                               | 10,856                         |
| Irrigated farms.....                 | 1,607,994        | 713,028         | 260,162          | 1,138                             | 32,335                         | 1,553,925           | 243,832         | 67,036           | 234                               | 7,338                          |
| Nonirrigated farms.....              | 901,291          | (X)             | 85,074           | 375                               | 10,729                         | 771,228             | (X)             | 31,522           | 89                                | 3,517                          |
| WRA 18 California-South Pacific..... | 1,625,712        | 465,598         | 187,124          | 2,115                             | 24,946                         | 2,539,649           | 362,015         | 146,395          | 420                               | 16,166                         |
| Irrigated farms.....                 | 1,016,861        | 465,598         | 148,322          | 2,079                             | 19,759                         | 1,329,918           | 362,015         | 109,997          | 360                               | 11,216                         |
| Nonirrigated farms.....              | 608,851          | (X)             | 38,802           | 36                                | 5,187                          | 1,209,731           | (X)             | 36,398           | 59                                | 4,950                          |

<sup>1</sup>Minor differences, between crop acreage and fertilizer tonnage in this table and selected crop or fertilizer items reported in the 1969 Census of Agriculture, results from differences in procedures used in rounding fractional acres or tons. United States totals and regional totals within this table may not equal the sum of the data for individual States, also because of rounding.