

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

| Chemicals used                                                            | Wisconsin | Adams   | Ashland  | Barron  | Bayfield | Brown    | Buffalo |
|---------------------------------------------------------------------------|-----------|---------|----------|---------|----------|----------|---------|
| Commercial fertilizer .....                                               |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 43 969    | 238     | 77       | 980     | 124      | 708      | 723     |
| 1992..                                                                    | 50 641    | 271     | 44       | 1 123   | 186      | 782      | 726     |
| acres on which used, 1997..                                               | 6 260 175 | 59 052  | 5 849    | 136 610 | 5 752    | 95 388   | 90 824  |
| 1992..                                                                    | 6 495 430 | 74 769  | 1 913    | 136 347 | 7 937    | 106 177  | 84 924  |
| Cropland fertilized, except pastureland .....                             |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 43 479    | 233     | 73       | 966     | 124      | 708      | 723     |
| 1992..                                                                    | 50 235    | 271     | 44       | 1 116   | 186      | 775      | 726     |
| acres on which used, 1997..                                               | 6 147 177 | 58 997  | 5 318    | 133 698 | 5 752    | 95 388   | 89 063  |
| 1992..                                                                    | 6 382 735 | 74 070  | (D)      | 135 284 | 7 937    | 106 102  | 83 151  |
| Pastureland and rangeland fertilized.....                                 |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 3 370     | 5       | 14       | 109     | —        | —        | 52      |
| 1992..                                                                    | 3 450     | 25      | 2        | 62      | —        | 8        | 58      |
| acres on which used, 1997..                                               | 112 998   | 55      | 531      | 2 912   | —        | —        | 1 761   |
| 1992..                                                                    | 112 695   | 699     | (D)      | 1 063   | —        | 75       | 1 773   |
| Sprays, dusts, granules, fumigants, etc., to control—                     |           |         |          |         |          |          |         |
| Insects on hay and other crops .....                                      |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 14 345    | 45      | 6        | 141     | 43       | 139      | 175     |
| 1992..                                                                    | 21 678    | 128     | 87       | 194     | 100      | 279      | 280     |
| acres on which used, 1997..                                               | 1 540 373 | 32 306  | 358      | 10 633  | 1 792    | 14 297   | 19 809  |
| 1992..                                                                    | 1 887 846 | 37 377  | 2 804    | 12 682  | 3 275    | 21 646   | 18 650  |
| Nematodes in crops .....                                                  |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 1 725     | 13      | —        | 5       | —        | 18       | 12      |
| 1992..                                                                    | 3 035     | 23      | 26       | 49      | 1        | 30       | 42      |
| acres on which used, 1997..                                               | 164 718   | 6 310   | —        | 1 157   | —        | 629      | 1 563   |
| 1992..                                                                    | 243 023   | 5 934   | 97       | 2 188   | (D)      | 3 468    | 2 346   |
| Diseases in crops and orchards.....                                       |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 2 671     | 37      | 3        | 17      | 15       | 25       | 2       |
| 1992..                                                                    | 4 210     | 54      | 4        | 49      | 37       | 57       | 7       |
| acres on which used, 1997..                                               | 212 528   | 17 064  | 15       | 3 625   | 237      | 763      | (D)     |
| 1992..                                                                    | 216 947   | 17 655  | 12       | 3 488   | 215      | 1 269    | 140     |
| Weeds, grass, or brush in crops and pasture .....                         |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 31 659    | 175     | 28       | 692     | 34       | 468      | 522     |
| 1992..                                                                    | 43 251    | 197     | 15       | 1 062   | 63       | 782      | 605     |
| acres on which used, 1997..                                               | 3 986 234 | 43 445  | 1 837    | 75 073  | 1 945    | 55 266   | 49 847  |
| 1992..                                                                    | 3 902 725 | 57 868  | 1 958    | 74 617  | 2 533    | 58 726   | 50 400  |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 1 389     | 17      | —        | 20      | 11       | 27       | 6       |
| 1992..                                                                    | 2 101     | 27      | —        | 34      | 7        | 34       | 73      |
| acres on which used, 1997..                                               | 133 698   | 12 521  | —        | 3 079   | 55       | 922      | 2 984   |
| 1992..                                                                    | 135 818   | 7 216   | —        | 2 578   | 84       | 732      | 1 723   |
| Chemicals used                                                            | Burnett   | Calumet | Chippewa | Clark   | Columbia | Crawford | Dane    |
| Commercial fertilizer .....                                               |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 218       | 525     | 1 089    | 1 444   | 1 068    | 584      | 1 627   |
| 1992..                                                                    | 235       | 588     | 1 224    | 1 638   | 1 123    | 760      | 1 980   |
| acres on which used, 1997..                                               | 31 352    | 72 550  | 142 103  | 174 447 | 180 536  | 44 392   | 286 874 |
| 1992..                                                                    | 21 072    | 78 413  | 140 766  | 166 194 | 178 042  | 46 416   | 304 225 |
| Cropland fertilized, except pastureland .....                             |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 218       | 525     | 1 089    | 1 419   | 1 053    | 560      | 1 606   |
| 1992..                                                                    | 235       | 583     | 1 211    | 1 623   | 1 101    | 746      | 1 970   |
| acres on which used, 1997..                                               | 29 552    | 72 349  | 139 245  | 170 768 | 177 450  | 42 766   | 284 849 |
| 1992..                                                                    | 20 932    | 78 297  | 138 035  | 164 777 | 175 093  | 45 997   | 301 957 |
| Pastureland and rangeland fertilized.....                                 |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 32        | 9       | 87       | 89      | 84       | 38       | 129     |
| 1992..                                                                    | 6         | 8       | 79       | 89      | 70       | 29       | 76      |
| acres on which used, 1997..                                               | 1 800     | 201     | 2 858    | 3 679   | 3 086    | 1 626    | 2 025   |
| 1992..                                                                    | 140       | 116     | 2 731    | 1 417   | 2 949    | 419      | 2 268   |
| Sprays, dusts, granules, fumigants, etc., to control—                     |           |         |          |         |          |          |         |
| Insects on hay and other crops .....                                      |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 35        | 136     | 171      | 246     | 477      | 187      | 1 005   |
| 1992..                                                                    | 58        | 292     | 240      | 224     | 643      | 383      | 1 577   |
| acres on which used, 1997..                                               | 1 950     | 9 921   | 16 812   | 13 849  | 59 014   | 12 405   | 137 042 |
| 1992..                                                                    | 1 148     | 24 101  | 13 692   | 11 844  | 74 184   | 17 809   | 168 703 |
| Nematodes in crops .....                                                  |           |         |          |         |          |          |         |
| farms, 1997..                                                             | —         | 36      | 1        | 10      | 57       | 18       | 121     |
| 1992..                                                                    | 5         | 44      | 31       | 3       | 63       | 77       | 235     |
| acres on which used, 1997..                                               | —         | 2 162   | (D)      | 425     | 8 490    | 1 300    | 12 661  |
| 1992..                                                                    | 120       | 4 853   | 1 891    | 588     | 7 630    | 2 996    | 19 436  |
| Diseases in crops and orchards.....                                       |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 11        | 4       | 27       | 26      | 49       | 20       | 173     |
| 1992..                                                                    | 1         | 32      | 70       | 69      | 128      | 52       | 207     |
| acres on which used, 1997..                                               | 95        | 824     | 737      | 307     | 2 545    | 1 212    | 5 278   |
| 1992..                                                                    | (D)       | 503     | 2 640    | 1 012   | 5 364    | 1 807    | 5 557   |
| Weeds, grass, or brush in crops and pasture .....                         |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 181       | 381     | 802      | 1 034   | 785      | 390      | 1 194   |
| 1992..                                                                    | 135       | 419     | 1 177    | 1 654   | 947      | 613      | 1 666   |
| acres on which used, 1997..                                               | 19 206    | 47 807  | 71 813   | 90 061  | 137 787  | 24 886   | 197 269 |
| 1992..                                                                    | 12 904    | 38 582  | 78 063   | 91 019  | 129 565  | 32 886   | 182 695 |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... |           |         |          |         |          |          |         |
| farms, 1997..                                                             | 8         | 7       | 23       | 31      | 55       | 17       | 92      |
| 1992..                                                                    | —         | 30      | 16       | 68      | 43       | 55       | 182     |
| acres on which used, 1997..                                               | 208       | 175     | 499      | 1 201   | 1 381    | 267      | 2 217   |
| 1992..                                                                    | —         | 564     | 598      | 3 611   | 2 344    | 1 093    | 9 677   |

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

| Chemicals used                                                                          | Dodge   | Door    | Douglas | Dunn       | Eau Claire | Florence | Fond du Lac |
|-----------------------------------------------------------------------------------------|---------|---------|---------|------------|------------|----------|-------------|
| Commercial fertilizer ..... farms, 1997..                                               | 1 399   | 480     | 69      | 925        | 605        | 44       | 1 109       |
| 1992..                                                                                  | 1 673   | 537     | 80      | 1 095      | 693        | 41       | 1 253       |
| acres on which used, 1997..                                                             | 224 877 | 52 045  | 2 999   | 153 925    | 66 928     | 2 494    | 188 191     |
| 1992..                                                                                  | 234 377 | 63 172  | 3 589   | 152 822    | 79 723     | 2 973    | 211 541     |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 1 383   | 470     | 69      | 894        | 596        | 44       | 1 101       |
| 1992..                                                                                  | 1 667   | 537     | 80      | 1 084      | 681        | 41       | 1 253       |
| acres on which used, 1997..                                                             | 224 080 | 51 535  | 2 759   | 149 200    | 62 018     | 2 319    | 187 285     |
| 1992..                                                                                  | 233 675 | 63 172  | 3 229   | 150 731    | 77 099     | 2 848    | 211 422     |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 48      | 31      | 8       | 107        | 111        | 5        | 33          |
| 1992..                                                                                  | 40      | —       | 18      | 69         | 84         | 4        | 3           |
| acres on which used, 1997..                                                             | 797     | 510     | 240     | 4 725      | 4 910      | 175      | 906         |
| 1992..                                                                                  | 702     | —       | 360     | 2 091      | 2 624      | 125      | 119         |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |         |         |         |            |            |          |             |
| Insects on hay and other crops ..... farms, 1997..                                      | 680     | 152     | 6       | 195        | 89         | 4        | 436         |
| 1992..                                                                                  | 832     | 213     | 50      | 451        | 220        | 16       | 729         |
| acres on which used, 1997..                                                             | 69 732  | 6 270   | 787     | 31 185     | 4 811      | 304      | 46 824      |
| 1992..                                                                                  | 80 568  | 7 983   | 1 750   | 36 495     | 15 663     | 639      | 72 380      |
| Nematodes in crops ..... farms, 1997..                                                  | 90      | 14      | —       | 15         | 26         | 2        | 59          |
| 1992..                                                                                  | 174     | 25      | —       | 25         | 31         | 5        | 75          |
| acres on which used, 1997..                                                             | 9 964   | 21      | —       | 2 187      | 717        | (D)      | 6 410       |
| 1992..                                                                                  | 17 881  | 567     | —       | 2 967      | 1 312      | 74       | 8 593       |
| Diseases in crops and orchards ..... farms, 1997..                                      | 58      | 150     | 1       | 19         | 10         | 2        | 42          |
| 1992..                                                                                  | 43      | 190     | 18      | 49         | 81         | 14       | 82          |
| acres on which used, 1997..                                                             | 5 158   | 4 775   | (D)     | 3 301      | 380        | (D)      | 3 075       |
| 1992..                                                                                  | 2 055   | 5 021   | 103     | 1 968      | 649        | 424      | 4 796       |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 1 107   | 353     | 14      | 650        | 473        | 23       | 808         |
| 1992..                                                                                  | 1 344   | 571     | 14      | 852        | 501        | 51       | 983         |
| acres on which used, 1997..                                                             | 160 004 | 31 416  | 2 368   | 92 606     | 46 232     | 1 304    | 114 279     |
| 1992..                                                                                  | 147 034 | 37 893  | 709     | 83 027     | 36 104     | 2 018    | 123 848     |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | 64      | 53      | —       | 20         | 15         | 2        | 31          |
| 1992..                                                                                  | 27      | 54      | —       | 36         | 45         | 2        | 22          |
| acres on which used, 1997..                                                             | 5 247   | 2 657   | —       | 5 387      | 953        | (D)      | 1 273       |
| 1992..                                                                                  | 1 750   | 554     | —       | 3 402      | 2 099      | (D)      | 1 833       |
| Chemicals used                                                                          | Forest  | Grant   | Green   | Green Lake | Iowa       | Iron     | Jackson     |
| Commercial fertilizer ..... farms, 1997..                                               | 50      | 1 597   | 920     | 457        | 811        | 17       | 507         |
| 1992..                                                                                  | 48      | 1 796   | 1 031   | 589        | 933        | 19       | 586         |
| acres on which used, 1997..                                                             | 3 326   | 217 441 | 155 519 | 68 195     | 123 720    | 544      | 68 309      |
| 1992..                                                                                  | 3 056   | 232 140 | 144 675 | 89 395     | 123 371    | 1 161    | 67 628      |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 47      | 1 554   | 909     | 457        | 787        | 17       | 499         |
| 1992..                                                                                  | 48      | 1 767   | 1 022   | 565        | 917        | 18       | 586         |
| acres on which used, 1997..                                                             | 3 134   | 201 800 | 151 739 | 67 437     | 112 267    | 544      | 67 239      |
| 1992..                                                                                  | (D)     | 210 121 | 141 381 | 88 316     | 112 726    | (D)      | 66 267      |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 7       | 377     | 88      | 8          | 200        | —        | 36          |
| 1992..                                                                                  | 1       | 433     | 110     | 45         | 234        | 1        | 21          |
| acres on which used, 1997..                                                             | 192     | 15 641  | 3 780   | 758        | 11 453     | —        | 1 070       |
| 1992..                                                                                  | (D)     | 22 019  | 3 294   | 1 079      | 10 645     | (D)      | 1 361       |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |         |         |         |            |            |          |             |
| Insects on hay and other crops ..... farms, 1997..                                      | 9       | 964     | 468     | 173        | 488        | 8        | 138         |
| 1992..                                                                                  | 19      | 1 142   | 549     | 273        | 645        | 16       | 171         |
| acres on which used, 1997..                                                             | 456     | 95 115  | 55 770  | 17 379     | 54 355     | 196      | 19 848      |
| 1992..                                                                                  | 554     | 92 331  | 53 073  | 31 449     | 55 113     | 532      | 14 338      |
| Nematodes in crops ..... farms, 1997..                                                  | —       | 126     | 112     | 27         | 39         | —        | 12          |
| 1992..                                                                                  | 7       | 241     | 110     | 45         | 87         | 5        | 13          |
| acres on which used, 1997..                                                             | —       | 11 627  | 7 365   | 2 119      | 4 362      | —        | 689         |
| 1992..                                                                                  | 402     | 18 539  | 7 872   | 3 394      | 4 189      | 32       | 800         |
| Diseases in crops and orchards ..... farms, 1997..                                      | 5       | 27      | 30      | 25         | 16         | 3        | 31          |
| 1992..                                                                                  | 22      | 36      | 61      | 33         | 12         | 17       | 31          |
| acres on which used, 1997..                                                             | 302     | 1 528   | 3 003   | 1 623      | 5 632      | (D)      | 6 703       |
| 1992..                                                                                  | 789     | 762     | 4 097   | 693        | (D)        | 627      | 1 850       |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 16      | 1 105   | 686     | 352        | 544        | 9        | 359         |
| 1992..                                                                                  | 72      | 1 400   | 926     | 456        | 803        | 34       | 486         |
| acres on which used, 1997..                                                             | 911     | 117 826 | 92 870  | 45 091     | 61 694     | 299      | 37 960      |
| 1992..                                                                                  | 2 549   | 113 405 | 73 713  | 58 956     | 64 909     | 1 138    | 43 957      |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | 3       | 5       | 30      | 13         | 14         | 1        | 20          |
| 1992..                                                                                  | 2       | 15      | 13      | 25         | 34         | 1        | 19          |
| acres on which used, 1997..                                                             | 300     | 5       | 1 418   | 123        | 1 978      | (D)      | 523         |
| 1992..                                                                                  | (D)     | 420     | 261     | 387        | 2 778      | (D)      | 768         |

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

| Chemicals used                                                                          | Jefferson | Juneau    | Kenosha  | Kewaunee  | La Crosse | Lafayette | Langlade  |
|-----------------------------------------------------------------------------------------|-----------|-----------|----------|-----------|-----------|-----------|-----------|
| Commercial fertilizer ..... farms, 1997..                                               | 910       | 440       | 240      | 559       | 529       | 841       | 245       |
| 1992..                                                                                  | 950       | 485       | 278      | 668       | 600       | 953       | 326       |
| acres on which used, 1997..                                                             | 142 589   | 70 241    | 50 275   | 84 376    | 50 019    | 177 434   | 42 698    |
| 1992..                                                                                  | 127 029   | 78 198    | 52 769   | 79 786    | 49 799    | 175 532   | 52 132    |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 903       | 439       | 240      | 559       | 519       | 817       | 244       |
| 1992..                                                                                  | 943       | 472       | 278      | 668       | 600       | 947       | 317       |
| acres on which used, 1997..                                                             | 141 657   | 69 377    | 50 129   | 84 192    | 49 176    | 167 135   | 42 387    |
| 1992..                                                                                  | 126 111   | 77 443    | 52 553   | 79 400    | 48 941    | 161 611   | 50 803    |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 56        | 29        | 9        | 12        | 37        | 178       | 22        |
| 1992..                                                                                  | 36        | 29        | 10       | 39        | 42        | 241       | 26        |
| acres on which used, 1997..                                                             | 932       | 864       | 146      | 184       | 843       | 10 299    | 311       |
| 1992..                                                                                  | 918       | 755       | 216      | 386       | 858       | 13 921    | 1 329     |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |           |           |          |           |           |           |           |
| Insects on hay and other crops ..... farms, 1997..                                      | 396       | 100       | 108      | 79        | 181       | 562       | 72        |
| 1992..                                                                                  | 538       | 112       | 131      | 166       | 331       | 674       | 111       |
| acres on which used, 1997..                                                             | 42 307    | 14 063    | 10 321   | 5 502     | 11 795    | 71 281    | 15 992    |
| 1992..                                                                                  | 50 859    | 19 661    | 12 757   | 7 094     | 16 651    | 78 945    | 16 563    |
| Nematodes in crops ..... farms, 1997..                                                  | 38        | 7         | —        | 9         | 12        | 105       | 2         |
| 1992..                                                                                  | 74        | 14        | 27       | 18        | 61        | 140       | 9         |
| acres on which used, 1997..                                                             | 2 574     | 790       | —        | 235       | 874       | 11 825    | (D)       |
| 1992..                                                                                  | 9 325     | 5 467     | 727      | 891       | 2 431     | 13 821    | 2 404     |
| Diseases in crops and orchards ..... farms, 1997..                                      | 27        | 16        | 19       | 13        | 27        | —         | 73        |
| 1992..                                                                                  | 127       | 23        | 74       | 30        | 36        | 18        | 85        |
| acres on which used, 1997..                                                             | 6 416     | 4 733     | 1 122    | 1 172     | 109       | —         | 11 459    |
| 1992..                                                                                  | 7 749     | 7 493     | 2 067    | 1 014     | 240       | 2 836     | 13 875    |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 659       | 305       | 212      | 430       | 389       | 669       | 216       |
| 1992..                                                                                  | 653       | 499       | 262      | 643       | 527       | 861       | 252       |
| acres on which used, 1997..                                                             | 108 119   | 43 167    | 48 049   | 46 965    | 30 078    | 122 613   | 29 279    |
| 1992..                                                                                  | 79 713    | 62 826    | 50 080   | 38 438    | 29 785    | 93 929    | 31 118    |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | 32        | 35        | 14       | 6         | 1         | 13        | 60        |
| 1992..                                                                                  | 28        | 17        | 10       | 50        | 28        | 26        | 73        |
| acres on which used, 1997..                                                             | 5 676     | 7 298     | 617      | 828       | (D)       | 2 370     | 9 257     |
| 1992..                                                                                  | 3 372     | 6 849     | 175      | 1 669     | 410       | 1 865     | 9 192     |
| Chemicals used                                                                          | Lincoln   | Manitowoc | Marathon | Marinette | Marquette | Menominee | Milwaukee |
| Commercial fertilizer ..... farms, 1997..                                               | 222       | 786       | 2 002    | 373       | 291       | 2         | 51        |
| 1992..                                                                                  | 249       | 993       | 2 181    | 422       | 355       | —         | 56        |
| acres on which used, 1997..                                                             | 15 925    | 114 160   | 189 717  | 48 474    | 56 623    | (D)       | 2 694     |
| 1992..                                                                                  | 16 164    | 129 542   | 194 311  | 63 772    | 54 213    | —         | 3 545     |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 221       | 776       | 1 987    | 366       | 291       | 2         | 50        |
| 1992..                                                                                  | 241       | 993       | 2 180    | 422       | 348       | —         | 56        |
| acres on which used, 1997..                                                             | 15 763    | 113 837   | 187 578  | 46 866    | (D)       | (D)       | (D)       |
| 1992..                                                                                  | 15 597    | 128 659   | 193 011  | 63 772    | 53 705    | —         | 3 545     |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 9         | 28        | 111      | 26        | 2         | —         | 1         |
| 1992..                                                                                  | 27        | 26        | 62       | —         | 39        | —         | —         |
| acres on which used, 1997..                                                             | 162       | 323       | 2 139    | 1 608     | (D)       | —         | (D)       |
| 1992..                                                                                  | 567       | 883       | 1 300    | —         | 508       | —         | —         |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |           |           |          |           |           |           |           |
| Insects on hay and other crops ..... farms, 1997..                                      | 45        | 271       | 483      | 47        | 67        | —         | 27        |
| 1992..                                                                                  | 94        | 461       | 729      | 98        | 99        | —         | 29        |
| acres on which used, 1997..                                                             | 1 198     | 26 560    | 16 418   | 4 777     | 12 650    | —         | 433       |
| 1992..                                                                                  | 2 532     | 27 178    | 16 195   | 5 271     | 16 151    | —         | 314       |
| Nematodes in crops ..... farms, 1997..                                                  | 8         | 21        | 50       | 1         | —         | —         | 3         |
| 1992..                                                                                  | 2         | 66        | 267      | 1         | 11        | —         | 1         |
| acres on which used, 1997..                                                             | 756       | 1 894     | 534      | (D)       | —         | —         | (D)       |
| 1992..                                                                                  | (D)       | 3 878     | 1 826    | (D)       | 1 541     | —         | (D)       |
| Diseases in crops and orchards ..... farms, 1997..                                      | 13        | 73        | 488      | 41        | 17        | —         | 16        |
| 1992..                                                                                  | 35        | 65        | 617      | 98        | 49        | —         | 20        |
| acres on which used, 1997..                                                             | 116       | 1 770     | 4 432    | 913       | 3 880     | —         | 137       |
| 1992..                                                                                  | 273       | 2 285     | 5 320    | 1 766     | 1 545     | —         | 152       |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 166       | 579       | 1 338    | 265       | 162       | —         | 21        |
| 1992..                                                                                  | 183       | 946       | 1 828    | 419       | 224       | —         | 35        |
| acres on which used, 1997..                                                             | 8 881     | 63 461    | 92 877   | 28 865    | 33 142    | —         | 3 190     |
| 1992..                                                                                  | 11 289    | 73 787    | 87 740   | 31 340    | 31 726    | —         | 3 275     |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | —         | 35        | 82       | 9         | 2         | —         | 4         |
| 1992..                                                                                  | 26        | 48        | 83       | 23        | 5         | —         | 8         |
| acres on which used, 1997..                                                             | 7 358     | 2 901     | 1 891    | 1 367     | (D)       | —         | (D)       |
| 1992..                                                                                  | 190       | 1 132     | 1 891    | 1 367     | 436       | —         | 35        |

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

| Chemicals used                                                                          | Monroe  | Oconto  | Oneida | Outagamie | Ozaukee  | Pepin   | Pierce  |           |
|-----------------------------------------------------------------------------------------|---------|---------|--------|-----------|----------|---------|---------|-----------|
| Commercial fertilizer ..... farms, 1997..                                               | 1 042   | 654     | 58     | 916       | 213      | 308     | 831     |           |
| 1992..                                                                                  | 1 180   | 698     | 37     | 1 095     | 304      | 320     | 932     |           |
| acres on which used, 1997..                                                             | 95 235  | 83 267  | 5 753  | 152 599   | 33 212   | 37 486  | 108 276 |           |
| 1992..                                                                                  | 98 255  | 85 836  | 5 516  | 148 414   | 40 093   | 47 751  | 116 485 |           |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 1 042   | 647     | 55     | 910       | 212      | 308     | 831     |           |
| 1992..                                                                                  | 1 167   | 688     | 37     | 1 089     | 304      | 320     | 931     |           |
| acres on which used, 1997..                                                             | 92 158  | 82 995  | 5 658  | 151 905   | 33 032   | 37 387  | 107 000 |           |
| 1992..                                                                                  | 95 062  | 85 133  | 5 516  | 148 014   | 39 968   | 47 576  | 115 305 |           |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 94      | 22      | 5      | 15        | 9        | 3       | 43      |           |
| 1992..                                                                                  | 112     | 29      | —      | 27        | 6        | 7       | 54      |           |
| acres on which used, 1997..                                                             | 3 077   | 272     | 95     | 694       | 180      | 99      | 1 276   |           |
| 1992..                                                                                  | 3 193   | 703     | —      | 400       | 125      | 175     | 1 180   |           |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |         |         |        |           |          |         |         |           |
| Insects on hay and other crops ..... farms, 1997..                                      | 279     | 88      | 19     | 271       | 133      | 101     | 275     |           |
| 1992..                                                                                  | 560     | 151     | 25     | 414       | 212      | 125     | 303     |           |
| acres on which used, 1997..                                                             | 25 006  | 7 082   | 3 455  | 26 155    | 7 835    | 9 845   | 23 104  |           |
| 1992..                                                                                  | 28 184  | 8 463   | 2 379  | 27 502    | 12 003   | 8 925   | 31 129  |           |
| Nematodes in crops ..... farms, 1997..                                                  | 60      | 10      | 2      | 15        | 16       | 31      | 21      |           |
| 1992..                                                                                  | 59      | 11      | —      | 34        | 40       | 9       | 41      |           |
| acres on which used, 1997..                                                             | 2 369   | 591     | (D)    | 2 288     | 1 365    | 3 436   | 2 360   |           |
| 1992..                                                                                  | 2 560   | 732     | —      | 2 716     | 2 516    | 752     | 5 224   |           |
| Diseases in crops and orchards ..... farms, 1997..                                      | 66      | 33      | 15     | 30        | 36       | 1       | 43      |           |
| 1992..                                                                                  | 23      | 86      | 17     | 81        | 58       | 24      | 11      |           |
| acres on which used, 1997..                                                             | 2 607   | 3 911   | 2 780  | 120       | 1 661    | (D)     | 698     |           |
| 1992..                                                                                  | 800     | 1 608   | 2 094  | 5 997     | 2 460    | 170     | (D)     |           |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 622     | 448     | 36     | 733       | 167      | 237     | 687     |           |
| 1992..                                                                                  | 957     | 638     | 66     | 1 032     | 364      | 279     | 789     |           |
| acres on which used, 1997..                                                             | 43 177  | 49 938  | 4 146  | 109 852   | 24 160   | 23 648  | 69 959  |           |
| 1992..                                                                                  | 44 651  | 50 688  | 3 993  | 94 266    | 28 942   | 28 464  | 64 332  |           |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | 29      | 16      | 6      | 28        | 8        | 20      | 13      |           |
| 1992..                                                                                  | 55      | 6       | 6      | 24        | 17       | 17      | 23      |           |
| acres on which used, 1997..                                                             | 419     | 145     | 1 329  | 1 385     | 475      | 980     | 1 747   |           |
| 1992..                                                                                  | 2 650   | 593     | 727    | 1 045     | 797      | 895     | 482     |           |
| Chemicals used                                                                          | Polk    | Portage | Price  | Racine    | Richland | Rock    | Rusk    | St. Croix |
| Commercial fertilizer ..... farms, 1997..                                               | 786     | 653     | 189    | 376       | 572      | 880     | 353     | 885       |
| 1992..                                                                                  | 903     | 740     | 159    | 404       | 738      | 1 111   | 412     | 913       |
| acres on which used, 1997..                                                             | 104 871 | 137 530 | 13 248 | 81 064    | 61 031   | 239 599 | 32 987  | 137 351   |
| 1992..                                                                                  | 85 828  | 136 364 | 7 761  | 78 426    | 70 288   | 227 291 | 31 432  | 135 596   |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 786     | 648     | 189    | 376       | 572      | 855     | 353     | 878       |
| 1992..                                                                                  | 887     | 734     | 153    | 404       | 731      | 1 104   | 412     | 900       |
| acres on which used, 1997..                                                             | 104 461 | 136 383 | 12 778 | 80 956    | 59 463   | 238 966 | 32 156  | 135 059   |
| 1992..                                                                                  | 84 129  | 135 560 | 7 535  | 78 376    | 67 896   | 226 295 | 31 396  | 131 738   |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 24      | 54      | 11     | 8         | 60       | 60      | 27      | 57        |
| 1992..                                                                                  | 54      | 28      | 17     | 9         | 104      | 34      | 9       | 129       |
| acres on which used, 1997..                                                             | 410     | 1 147   | 470    | 108       | 1 568    | 633     | 831     | 2 292     |
| 1992..                                                                                  | 1 699   | 804     | 226    | 50        | 2 392    | 996     | 36      | 3 858     |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |         |         |        |           |          |         |         |           |
| Insects on hay and other crops ..... farms, 1997..                                      | 65      | 135     | 31     | 164       | 178      | 455     | 34      | 198       |
| 1992..                                                                                  | 186     | 219     | 15     | 246       | 290      | 691     | 101     | 340       |
| acres on which used, 1997..                                                             | 5 940   | 53 756  | 1 180  | 12 228    | 12 755   | 82 394  | 1 818   | 23 631    |
| 1992..                                                                                  | 7 749   | 58 729  | 383    | 28 915    | 17 794   | 116 995 | 2 075   | 30 726    |
| Nematodes in crops ..... farms, 1997..                                                  | 27      | 38      | —      | 16        | 33       | 63      | —       | 9         |
| 1992..                                                                                  | 11      | 34      | 2      | 20        | 32       | 95      | 1       | 19        |
| acres on which used, 1997..                                                             | 2 387   | 7 822   | —      | 3 145     | 1 962    | 10 664  | —       | 1 010     |
| 1992..                                                                                  | 1 559   | 9 000   | (D)    | 1 384     | 1 598    | 12 167  | (D)     | 1 800     |
| Diseases in crops and orchards ..... farms, 1997..                                      | 30      | 94      | 2      | 44        | 15       | 64      | 6       | 29        |
| 1992..                                                                                  | 18      | 120     | 14     | 96        | 33       | 90      | 47      | 40        |
| acres on which used, 1997..                                                             | 3 962   | 40 923  | (D)    | 2 903     | 469      | 4 696   | 6       | 2 992     |
| 1992..                                                                                  | 1 494   | 36 830  | 57     | 1 488     | 2 153    | 2 199   | 1 951   | 2 794     |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 595     | 481     | 90     | 285       | 386      | 675     | 232     | 677       |
| 1992..                                                                                  | 862     | 660     | 89     | 308       | 598      | 807     | 263     | 1 010     |
| acres on which used, 1997..                                                             | 64 752  | 96 106  | 4 019  | 72 313    | 31 121   | 198 335 | 17 493  | 96 171    |
| 1992..                                                                                  | 49 522  | 92 167  | 3 386  | 69 847    | 33 449   | 177 313 | 18 657  | 81 901    |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | 15      | 47      | 1      | 10        | 10       | 19      | 13      | 17        |
| 1992..                                                                                  | 8       | 68      | 13     | 37        | 20       | 92      | —       | 40        |
| acres on which used, 1997..                                                             | 1 425   | 19 182  | (D)    | 427       | 296      | 566     | 640     | 457       |
| 1992..                                                                                  | 537     | 18 139  | 47     | 438       | 438      | 9 948   | —       | 1 437     |

**Table 10. Agricultural Chemicals Used, Including Fertilizer: 1997 and 1992—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

| Chemicals used                                                                          | Sauk     | Sawyer   | Shawano    | Sheboygan | Taylor  | Trempealeau | Vernon    | Vilas  |
|-----------------------------------------------------------------------------------------|----------|----------|------------|-----------|---------|-------------|-----------|--------|
| Commercial fertilizer ..... farms, 1997..                                               | 972      | 95       | 909        | 636       | 634     | 851         | 1 312     | 20     |
| 1992..                                                                                  | 1 043    | 92       | 1 187      | 816       | 660     | 1 063       | 1 521     | 18     |
| acres on which used, 1997..                                                             | 126 932  | 12 604   | 111 561    | 102 463   | 55 569  | 116 577     | 81 017    | (D)    |
| 1992..                                                                                  | 124 951  | 9 161    | 128 958    | 126 129   | 59 231  | 117 223     | 82 446    | 1 539  |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 946      | 91       | 891        | 636       | 634     | 851         | 1 302     | 19     |
| 1992..                                                                                  | 1 037    | 84       | 1 181      | 812       | 645     | 1 044       | 1 520     | 16     |
| acres on which used, 1997..                                                             | 122 892  | 12 064   | 110 395    | 101 853   | 54 294  | 114 568     | 77 265    | (D)    |
| 1992..                                                                                  | 121 119  | 8 611    | 127 782    | 125 680   | 58 270  | 113 981     | 78 875    | (D)    |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 152      | 9        | 38         | 27        | 49      | 55          | 117       | 1      |
| 1992..                                                                                  | 111      | 12       | 63         | 41        | 40      | 113         | 145       | 2      |
| acres on which used, 1997..                                                             | 4 040    | 540      | 1 166      | 610       | 1 275   | 2 009       | 3 752     | (D)    |
| 1992..                                                                                  | 3 832    | 550      | 1 176      | 449       | 961     | 3 242       | 3 571     | (D)    |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |          |          |            |           |         |             |           |        |
| Insects on hay and other crops ..... farms, 1997..                                      | 374      | 13       | 142        | 270       | 58      | 212         | 436       | 9      |
| 1992..                                                                                  | 553      | 46       | 183        | 487       | 97      | 338         | 837       | 20     |
| acres on which used, 1997..                                                             | 46 307   | 830      | 5 867      | 28 591    | 1 716   | 18 775      | 15 790    | 1 023  |
| 1992..                                                                                  | 51 900   | 2 158    | 6 716      | 38 280    | 4 099   | 20 186      | 27 345    | 1 399  |
| Nematodes in crops ..... farms, 1997..                                                  | 47       | 1        | 9          | 31        | 1       | 42          | 69        | 1      |
| 1992..                                                                                  | 67       | —        | 29         | 43        | 11      | 11          | 63        | 3      |
| acres on which used, 1997..                                                             | 3 801    | (D)      | 9          | 2 034     | (D)     | 2 099       | 2 156     | (D)    |
| 1992..                                                                                  | 6 413    | —        | 634        | 3 183     | 163     | 1 086       | 1 648     | (D)    |
| Diseases in crops and orchards ..... farms, 1997..                                      | 47       | 2        | 54         | 33        | 18      | 26          | 106       | 5      |
| 1992..                                                                                  | 51       | 34       | 65         | 49        | 26      | 18          | 62        | 13     |
| acres on which used, 1997..                                                             | 1 448    | (D)      | 1 257      | 1 379     | 352     | 2 464       | 475       | 496    |
| 1992..                                                                                  | 2 058    | 1 440    | 743        | 2 449     | 55      | 1 149       | 212       | 378    |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 749      | 62       | 702        | 462       | 410     | 601         | 854       | 14     |
| 1992..                                                                                  | 923      | 87       | 1 107      | 726       | 616     | 935         | 1 282     | 22     |
| acres on which used, 1997..                                                             | 84 515   | 6 786    | 62 115     | 68 281    | 24 026  | 70 777      | 42 031    | 1 398  |
| 1992..                                                                                  | 80 275   | 8 497    | 70 601     | 70 797    | 29 899  | 69 156      | 52 815    | 1 236  |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | 20       | —        | 28         | 50        | —       | 15          | 51        | 1      |
| 1992..                                                                                  | 27       | 7        | 12         | 18        | 9       | 55          | 92        | 1      |
| acres on which used, 1997..                                                             | 418      | —        | 875        | 2 098     | —       | 983         | 975       | (D)    |
| 1992..                                                                                  | 720      | 350      | 66         | 1 020     | 435     | 3 571       | 1 204     | (D)    |
| Chemicals used                                                                          | Walworth | Washburn | Washington | Waukesha  | Waupaca | Waushara    | Winnebago | Wood   |
| Commercial fertilizer ..... farms, 1997..                                               | 535      | 156      | 527        | 320       | 804     | 413         | 507       | 676    |
| 1992..                                                                                  | 565      | 201      | 589        | 445       | 949     | 490         | 670       | 816    |
| acres on which used, 1997..                                                             | 138 215  | 19 110   | 71 305     | 56 935    | 100 838 | 81 529      | 93 359    | 67 495 |
| 1992..                                                                                  | 148 288  | 21 888   | 78 271     | 66 352    | 113 420 | 81 814      | 99 791    | 87 022 |
| Cropland fertilized, except pastureland ..... farms, 1997..                             | 527      | 156      | 517        | 320       | 798     | 408         | 507       | 676    |
| 1992..                                                                                  | 565      | 201      | 589        | 444       | 942     | 490         | 670       | 816    |
| acres on which used, 1997..                                                             | 137 632  | 18 720   | 71 021     | 56 717    | 100 102 | 81 281      | 93 344    | 67 101 |
| 1992..                                                                                  | 147 422  | 21 182   | 78 113     | 65 838    | 113 317 | 81 740      | 99 791    | 86 255 |
| Pastureland and rangeland fertilized ..... farms, 1997..                                | 23       | 36       | 31         | 11        | 62      | 13          | 5         | 22     |
| 1992..                                                                                  | 14       | 19       | 15         | 22        | 29      | 6           | —         | 47     |
| acres on which used, 1997..                                                             | 583      | 390      | 284        | 218       | 736     | 248         | 15        | 394    |
| 1992..                                                                                  | 866      | 706      | 158        | 514       | 103     | 74          | —         | 767    |
| Sprays, dusts, granules, fumigants, etc., to control—                                   |          |          |            |           |         |             |           |        |
| Insects on hay and other crops ..... farms, 1997..                                      | 339      | 35       | 292        | 127       | 157     | 100         | 191       | 110    |
| 1992..                                                                                  | 433      | 51       | 316        | 297       | 129     | 119         | 270       | 240    |
| acres on which used, 1997..                                                             | 50 170   | 1 881    | 19 223     | 14 660    | 9 223   | 34 863      | 18 145    | 10 608 |
| 1992..                                                                                  | 67 591   | 2 528    | 25 752     | 30 110    | 14 277  | 36 220      | 24 715    | 11 665 |
| Nematodes in crops ..... farms, 1997..                                                  | 22       | 1        | 11         | 6         | 32      | 20          | 10        | 12     |
| 1992..                                                                                  | 15       | 26       | 89         | 41        | 13      | 14          | 33        | 6      |
| acres on which used, 1997..                                                             | 4 468    | (D)      | (D)        | 328       | 1 272   | 4 303       | 873       | 1 134  |
| 1992..                                                                                  | 5 030    | 804      | 10 524     | 3 321     | 901     | 3 176       | 2 250     | 533    |
| Diseases in crops and orchards ..... farms, 1997..                                      | 44       | 10       | 37         | 11        | 14      | 57          | 36        | 12     |
| 1992..                                                                                  | 40       | 10       | 37         | 57        | 72      | 78          | 41        | 66     |
| acres on which used, 1997..                                                             | 1 492    | 936      | 1 355      | 794       | 1 160   | 20 976      | 388       | 1 972  |
| 1992..                                                                                  | 2 318    | 658      | 3 728      | 1 971     | 1 855   | 19 084      | 1 594     | 1 388  |
| Weeds, grass, or brush in crops and pasture ..... farms, 1997..                         | 369      | 88       | 398        | 204       | 582     | 336         | 408       | 473    |
| 1992..                                                                                  | 439      | 136      | 377        | 287       | 856     | 356         | 499       | 721    |
| acres on which used, 1997..                                                             | 119 901  | 5 996    | 43 309     | 41 604    | 62 936  | 59 224      | 71 065    | 37 292 |
| 1992..                                                                                  | 104 376  | 12 776   | 40 488     | 48 253    | 73 159  | 60 570      | 67 510    | 44 617 |
| Chemicals used on crops to control growth, thin fruit, or defoliate ..... farms, 1997.. | 7        | 2        | 6          | 7         | 8       | 44          | 11        | 9      |
| 1992..                                                                                  | 22       | 3        | 9          | 13        | 47      | 34          | 20        | 17     |
| acres on which used, 1997..                                                             | 50       | (D)      | 36         | 70        | 751     | 9 562       | 368       | (D)    |
| 1992..                                                                                  | 612      | (D)      | (D)        | 488       | 2 064   | 8 214       | 1 546     | 642    |