

**Table 3. Farm Production Expenses: 1987 and 1982**

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

| Item  | Iowa      | Adair  | Adams  | Allamakee | Appanoose | Audubon | Benton  |
|---|-----------|--------|--------|-----------|-----------|---------|---------|
| Total farm production expenses ----- farms, 1987..  | 105 184   | 971    | 688    | 1 061     | 891       | 851     | 1 435   |
| ----- \$1,000, 1987..   | 6 647 645 | 53 286 | 26 557 | 55 344    | 19 046    | 60 293  | 104 950 |
| Average per farm ----- dollars, 1987..  | 63 200    | 54 878 | 38 601 | 52 162    | 21 376    | 70 849  | 73 136  |
| Livestock and poultry purchased ----- farms, 1987..   | 46 066    | 472    | 223    | 582       | 311       | 384     | 625     |
| ----- 1982..  | 53 457    | 578    | 347    | 532       | 339       | 573     | 768     |
| ----- \$1,000, 1987..   | 1 358 161 | 8 495  | 4 042  | 6 990     | 3 200     | 14 586  | 25 792  |
| ----- 1982..  | 1 536 601 | 11 913 | 7 477  | 6 536     | 1 987     | 20 359  | 17 190  |
| Feed for livestock and poultry ----- farms, 1987..  | 64 752    | 664    | 480    | 875       | 563       | 542     | 906     |
| ----- 1982..  | 78 070    | 872    | 621    | 903       | 576       | 765     | 1 151   |
| ----- \$1,000, 1987..   | 1 101 866 | 8 068  | 3 369  | 10 582    | 1 965     | 10 652  | 13 865  |
| ----- 1982..  | 1 214 715 | 8 250  | 5 868  | 9 593     | 1 966     | 14 694  | 14 738  |
| Commercially mixed formula feeds ----- farms, 1987..  | 33 282    | 275    | 221    | 643       | 170       | 232     | 445     |
| ----- 1982..  | 38 512    | 335    | 321    | 573       | 231       | 331     | 586     |
| ----- \$1,000, 1987..   | 475 104   | 2 875  | 1 593  | 5 508     | 300       | 3 232   | 6 680   |
| ----- 1982..  | 539 236   | 2 381  | 2 037  | 5 352     | 574       | 4 829   | 7 886   |
| Seeds, bulbs, plants, and trees ----- farms, 1987..   | 88 807    | 855    | 549    | 943       | 569       | 743     | 1 241   |
| ----- 1982..  | 98 770    | 946    | 581    | 985       | 630       | 781     | 1 407   |
| ----- \$1,000, 1987..   | 308 197   | 2 987  | 1 594  | 1 858     | 911       | 2 457   | 4 534   |
| ----- 1982..  | 313 092   | 2 530  | 1 626  | 2 135     | 872       | 2 569   | 4 790   |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..  | 83 067    | 809    | 479    | 856       | 497       | 681     | 1 165   |
| ----- 1982..  | 86 632    | 740    | 489    | 828       | 572       | 674     | 1 250   |
| ----- \$1,000, 1987..   | 467 355   | 4 256  | 2 303  | 3 073     | 1 694     | 4 137   | 7 834   |
| ----- 1982..  | 562 767   | 4 478  | 2 674  | 3 425     | 1 603     | 4 991   | 9 467   |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..   | 86 631    | 844    | 540    | 876       | 538       | 669     | 1 242   |
| ----- 1982..  | 87 700    | 788    | 512    | 835       | 502       | 673     | 1 304   |
| ----- \$1,000, 1987..   | 309 894   | 2 913  | 1 536  | 1 273     | 925       | 2 425   | 4 860   |
| ----- 1982..  | 331 924   | 2 818  | 1 684  | 1 546     | 981       | 3 235   | 6 138   |
| Petroleum products ----- farms, 1987..  | 100 939   | 949    | 660    | 1 021     | 831       | 825     | 1 388   |
| ----- 1982..  | 114 816   | 1 065  | 736    | 1 134     | 893       | 905     | 1 585   |
| ----- \$1,000, 1987..   | 315 061   | 2 645  | 1 796  | 2 950     | 1 298     | 2 822   | 4 667   |
| ----- 1982..  | 536 937   | 4 850  | 3 076  | 5 279     | 1 856     | 5 214   | 8 021   |
| Gasoline and gasohol ----- farms, 1987..  | 87 982    | 803    | 561    | 917       | 687       | 674     | 1 211   |
| ----- 1982..  | 106 773   | 1 034  | 693    | 1 059     | 798       | 832     | 1 497   |
| ----- \$1,000, 1987..   | 105 047   | 900    | 732    | 1 120     | 607       | 992     | 1 549   |
| ----- 1982..  | 186 833   | 2 104  | 1 256  | 1 978     | 888       | 1 631   | 2 800   |
| Diesel fuel ----- farms, 1987..   | 73 400    | 621    | 481    | 793       | 519       | 580     | 996     |
| ----- 1982..  | 80 135    | 665    | 491    | 823       | 447       | 646     | 1 116   |
| ----- \$1,000, 1987..   | 136 878   | 1 172  | 741    | 1 192     | 453       | 1 181   | 2 056   |
| ----- 1982..  | 203 866   | 1 752  | 1 219  | 1 816     | 666       | 2 057   | 3 076   |
| Natural gas ----- farms, 1987..   | 5 064     | 54     | 61     | 73        | 49        | 77      | 40      |
| ----- 1982..  | 3 284     | 11     | 27     | 40        | 14        | 24      | 34      |
| ----- \$1,000, 1987..   | 6 637     | 44     | 41     | 38        | 15        | 78      | 87      |
| ----- 1982..  | 6 182     | 23     | 18     | 37        | 35        | 35      | 33      |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987..                          | 86 862    | 830    | 552    | 924       | 606       | 703     | 1 254   |
| ----- 1982..  | (NA)      | (NA)   | (NA)   | (NA)      | (NA)      | (NA)    | (NA)    |
| ----- \$1,000, 1987..   | 66 500    | 528    | 282    | 600       | 222       | 571     | 975     |
| ----- 1982..  | 140 056   | 971    | 584    | 1 448     | 367       | 1 491   | 2 111   |
| Electricity ----- farms, 1987..   | 90 255    | 877    | 586    | 973       | 664       | 773     | 1 298   |
| ----- 1982..  | 94 737    | 923    | 626    | 1 027     | 518       | 748     | 1 313   |
| ----- \$1,000, 1987..   | 126 591   | 962    | 660    | 1 850     | 351       | 1 201   | 1 932   |
| ----- 1982..  | 130 326   | 994    | 784    | 1 925     | 356       | 1 325   | 1 844   |
| Hired farm labor ----- farms, 1987..  | 49 121    | 441    | 353    | 542       | 255       | 394     | 691     |
| ----- 1982..  | 47 873    | 350    | 239    | 506       | 235       | 362     | 743     |
| ----- \$1,000, 1987..   | 282 515   | 1 601  | 969    | 2 856     | 731       | 2 092   | 3 887   |
| ----- 1982..  | 222 146   | 1 286  | 1 150  | 1 951     | 447       | 2 176   | 2 988   |
| Contract labor ----- farms, 1987..  | 8 078     | 81     | 64     | 125       | 42        | 51      | 128     |
| ----- 1982..  | 3 570     | 20     | 29     | 28        | 33        | 42      | 37      |
| ----- \$1,000, 1987..   | 21 032    | 284    | 94     | 315       | 118       | 299     | 398     |
| ----- 1982..  | 8 358     | 82     | 35     | 75        | 80        | 97      | 52      |
| Repair and maintenance ----- farms, 1987..  | 91 920    | 874    | 596    | 973       | 707       | 777     | 1 269   |
| ----- \$1,000, 1987..   | 407 270   | 3 797  | 2 120  | 4 537     | 1 668     | 3 513   | 5 958   |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987.. | 57 354    | 526    | 386    | 651       | 332       | 422     | 751     |
| ----- 1982..  | 57 502    | 491    | 357    | 610       | 380       | 460     | 775     |
| ----- \$1,000, 1987..   | 133 395   | 1 091  | 801    | 949       | 399       | 1 004   | 2 071   |
| ----- 1982..  | 124 821   | 1 546  | 582    | 1 226     | 505       | 1 354   | 1 443   |
| Interest paid <sup>3</sup> ----- farms, 1987..  | 67 262    | 590    | 441    | 746       | 404       | 561     | 954     |
| ----- 1982..  | 76 462    | 717    | 511    | 805       | 413       | 723     | 1 119   |
| ----- \$1,000, 1987..   | 579 338   | 6 089  | 2 437  | 6 087     | 1 830     | 4 943   | 9 398   |
| ----- 1982..  | 1 015 561 | 6 432  | 6 082  | 9 388     | 3 479     | 11 639  | 14 903  |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987..                                | 44 371    | 403    | 312    | 492       | 324       | 375     | 664     |
| ----- \$1,000, 1987..   | 390 226   | 4 032  | 1 708  | 4 042     | 1 390     | 3 384   | 6 583   |
| Not secured by real estate ----- farms, 1987..  | 41 208    | 358    | 271    | 465       | 192       | 360     | 575     |
| ----- \$1,000, 1987..   | 189 113   | 2 056  | 729    | 2 046     | 440       | 1 559   | 2 815   |
| Cash rent ----- farms, 1987..   | 41 375    | 297    | 231    | 422       | 175       | 371     | 664     |
| ----- \$1,000, 1987..   | 492 800   | 2 934  | 1 022  | 3 184     | 745       | 4 748   | 9 561   |
| Property taxes paid ----- farms, 1987..   | 87 431    | 866    | 574    | 916       | 847       | 697     | 1 145   |
| ----- \$1,000, 1987..   | 230 810   | 2 541  | 1 172  | 1 919     | 1 594     | 1 892   | 3 377   |
| All other farm production expenses ----- farms, 1987..  | 101 919   | 938    | 680    | 1 035     | 846       | 822     | 1 399   |
| ----- \$1,000, 1987..   | 513 358   | 4 625  | 2 642  | 6 920     | 1 617     | 3 521   | 6 817   |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Black Hawk | Boone  | Bremer | Buchanan | Buena Vista | Butler | Calhoun |
|---|------------|--------|--------|----------|-------------|--------|---------|
| Total farm production expenses ----- farms, 1987 ..   | 1 271      | 1 029  | 1 140  | 1 331    | 1 097       | 1 294  | 992     |
| ..... \$1,000, 1987 ..  | 76 037     | 64 349 | 59 231 | 83 259   | 99 632      | 83 277 | 65 428  |
| Average per farm ----- dollars, 1987 ..   | 59 825     | 62 536 | 51 957 | 62 553   | 90 822      | 64 356 | 65 956  |
| Livestock and poultry purchased ----- farms, 1987 ..  | 541        | 343    | 526    | 604      | 533         | 633    | 413     |
| ..... 1982 ..   | 586        | 396    | 622    | 620      | 477         | 754    | 493     |
| ..... \$1,000, 1987 ..  | 10 341     | 10 865 | 7 877  | 13 291   | 20 857      | 15 227 | 13 886  |
| ..... 1982 ..   | 10 358     | 11 137 | 8 818  | 12 300   | 21 809      | 13 729 | 19 965  |
| Feed for livestock and poultry ----- farms, 1987 ..   | 709        | 382    | 750    | 806      | 645         | 837    | 485     |
| ..... 1982 ..   | 796        | 573    | 882    | 908      | 619         | 1 084  | 703     |
| ..... \$1,000, 1987 ..  | 13 156     | 7 238  | 9 488  | 12 900   | 25 414      | 15 535 | 10 332  |
| ..... 1982 ..   | 10 874     | 8 986  | 10 292 | 13 104   | 20 708      | 13 647 | 13 999  |
| Commercially mixed formula feeds ----- farms, 1987 ..   | 420        | 200    | 477    | 481      | 286         | 447    | 256     |
| ..... 1982 ..   | 387        | 234    | 572    | 548      | 336         | 591    | 346     |
| ..... \$1,000, 1987 ..  | 6 749      | 2 676  | 4 767  | 4 695    | 15 486      | 6 337  | 3 953   |
| ..... 1982 ..   | 4 781      | 4 503  | 5 727  | 6 222    | 11 359      | 7 201  | 5 012   |
| Seeds, bulbs, plants, and trees ----- farms, 1987 ..  | 1 095      | 900    | 917    | 1 169    | 948         | 1 095  | 880     |
| ..... 1982 ..   | 1 175      | 1 010  | 1 136  | 1 287    | 1 114       | 1 246  | 1 037   |
| ..... \$1,000, 1987 ..  | 3 674      | 3 789  | 3 187  | 4 175    | 3 755       | 3 766  | 3 555   |
| ..... 1982 ..   | 4 317      | 3 550  | 3 097  | 4 038    | 4 151       | 3 995  | 3 272   |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987 ..   | 975        | 859    | 872    | 1 116    | 931         | 1 014  | 859     |
| ..... 1982 ..   | 1 017      | 851    | 1 035  | 1 163    | 981         | 1 107  | 884     |
| ..... \$1,000, 1987 ..  | 5 384      | 5 306  | 4 774  | 7 153    | 5 397       | 5 959  | 5 255   |
| ..... 1982 ..   | 7 108      | 5 940  | 5 370  | 8 807    | 7 144       | 6 418  | 5 376   |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987 ..  | 1 004      | 873    | 885    | 1 156    | 993         | 1 064  | 882     |
| ..... 1982 ..   | 1 038      | 900    | 929    | 1 136    | 1 067       | 1 154  | 957     |
| ..... \$1,000, 1987 ..  | 3 977      | 3 913  | 3 172  | 4 405    | 3 546       | 4 249  | 3 544   |
| ..... 1982 ..   | 4 326      | 3 725  | 3 109  | 4 723    | 4 418       | 4 415  | 3 623   |
| Petroleum products ----- farms, 1987 ..   | 1 233      | 978    | 1 094  | 1 294    | 1 026       | 1 233  | 954     |
| ..... 1982 ..   | 1 340      | 1 153  | 1 278  | 1 390    | 1 185       | 1 486  | 1 164   |
| ..... \$1,000, 1987 ..  | 3 523      | 3 160  | 3 028  | 4 187    | 3 811       | 3 682  | 3 080   |
| ..... 1982 ..   | 6 084      | 4 746  | 5 180  | 7 271    | 6 556       | 6 508  | 5 112   |
| Gasoline and gasohol ----- farms, 1987 ..   | 1 117      | 854    | 966    | 1 098    | 907         | 1 089  | 893     |
| ..... 1982 ..   | 1 276      | 1 013  | 1 209  | 1 308    | 1 131       | 1 379  | 1 082   |
| ..... \$1,000, 1987 ..  | 1 025      | 993    | 1 006  | 1 135    | 1 110       | 1 194  | 1 011   |
| ..... 1982 ..   | 1 700      | 1 546  | 1 652  | 2 205    | 2 258       | 2 168  | 1 816   |
| Diesel fuel ----- farms, 1987 ..  | 872        | 767    | 731    | 920      | 776         | 914    | 738     |
| ..... 1982 ..   | 882        | 831    | 888    | 989      | 950         | 1 051  | 908     |
| ..... \$1,000, 1987 ..  | 1 394      | 1 539  | 1 087  | 1 740    | 1 601       | 1 451  | 1 464   |
| ..... 1982 ..   | 2 186      | 2 136  | 1 662  | 2 466    | 2 348       | 2 262  | 2 068   |
| Natural gas ----- farms, 1987 ..  | 71         | 84     | 52     | 92       | 52          | 47     | 57      |
| ..... 1982 ..   | 96         | 75     | 18     | 51       | 51          | 60     | 42      |
| ..... \$1,000, 1987 ..  | 162        | 168    | 48     | 100      | (D)         | 72     | 48      |
| ..... 1982 ..   | 326        | 114    | 56     | 69       | 104         | 133    | 55      |
| LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987 ..                          | 1 071      | 837    | 943    | 1 058    | 921         | 1 055  | 845     |
| ..... 1982 ..   | (NA)       | (NA)   | (NA)   | (NA)     | (NA)        | (NA)   | (NA)    |
| ..... \$1,000, 1987 ..  | 942        | 460    | 887    | 1 212    | (D)         | 965    | 558     |
| ..... 1982 ..   | 1 872      | 950    | 1 810  | 2 531    | 1 846       | 1 944  | 1 173   |
| Electricity ----- farms, 1987 ..  | 1 111      | 860    | 1 027  | 1 101    | 932         | 1 129  | 840     |
| ..... 1982 ..   | 1 102      | 949    | 1 097  | 1 005    | 994         | 1 205  | 913     |
| ..... \$1,000, 1987 ..  | 1 466      | 995    | 1 281  | 1 679    | 1 580       | 1 525  | (D)     |
| ..... 1982 ..   | 1 400      | 1 009  | 1 401  | 1 294    | 1 534       | 1 772  | 1 105   |
| Hired farm labor ----- farms, 1987 ..   | 597        | 513    | 480    | 665      | 553         | 667    | 533     |
| ..... 1982 ..   | 609        | 406    | 486    | 579      | 667         | 588    | 568     |
| ..... \$1,000, 1987 ..  | 4 025      | 3 614  | 1 894  | 3 329    | 5 208       | 3 081  | 2 682   |
| ..... 1982 ..   | 3 170      | 2 396  | 1 516  | 2 361    | 4 024       | 2 403  | 1 533   |
| Contract labor ----- farms, 1987 ..   | 134        | 71     | 58     | 99       | 75          | 89     | 105     |
| ..... 1982 ..   | 15         | 41     | 9      | 21       | 34          | 33     | 27      |
| ..... \$1,000, 1987 ..  | 433        | 198    | 118    | 337      | 341         | 166    | (D)     |
| ..... 1982 ..   | 45         | 34     | 45     | 13       | 85          | 60     | 117     |
| Repair and maintenance ----- farms, 1987 ..   | 1 051      | 922    | 1 047  | 1 177    | 972         | 1 164  | 832     |
| ..... \$1,000, 1987 ..  | 4 787      | 3 916  | 4 057  | 4 988    | 5 434       | 4 813  | 4 105   |
| Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987 .. | 799        | 520    | 600    | 689      | 611         | 755    | 572     |
| ..... 1982 ..   | 752        | 574    | 658    | 654      | 652         | 713    | 553     |
| ..... \$1,000, 1987 ..  | 1 843      | 1 140  | 1 548  | 1 473    | 1 664       | 2 176  | 1 143   |
| ..... 1982 ..   | 1 740      | 1 305  | 1 209  | 1 377    | 2 064       | 1 425  | 1 288   |
| Interest paid <sup>3</sup> ----- farms, 1987 ..   | 739        | 684    | 791    | 911      | 772         | 851    | 665     |
| ..... 1982 ..   | 836        | 772    | 885    | 910      | 839         | 943    | 831     |
| ..... \$1,000, 1987 ..  | 6 579      | 5 662  | 6 207  | 8 254    | 6 875       | 6 938  | 6 062   |
| ..... 1982 ..   | 11 153     | 10 487 | 9 642  | 12 488   | 12 121      | 11 941 | 11 337  |
| Interest paid on debt: ----- farms, 1987 ..   | 502        | 391    | 567    | 547      | 428         | 556    | 454     |
| Secured by real estate ----- \$1,000, 1987 ..   | 4 331      | 4 045  | 4 581  | 6 088    | 4 384       | 4 449  | 4 180   |
| Not secured by real estate ----- farms, 1987 ..   | 452        | 416    | 465    | 582      | 529         | 587    | 409     |
| ..... \$1,000, 1987 ..  | 2 247      | 1 617  | 1 626  | 2 165    | 2 491       | 2 489  | 1 882   |
| Cash rent ----- farms, 1987 ..  | 557        | 421    | 425    | 556      | 549         | 572    | 435     |
| ..... \$1,000, 1987 ..  | 7 930      | 6 554  | 5 474  | 7 815    | 5 869       | 6 987  | 4 117   |
| Property taxes paid ----- farms, 1987 ..  | 1 056      | 792    | 980    | 1 115    | 854         | 1 102  | 790     |
| ..... \$1,000, 1987 ..  | 2 884      | 2 235  | 2 535  | 3 425    | 2 150       | 2 707  | 1 918   |
| All other farm production expenses ----- farms, 1987 ..   | 1 214      | 1 009  | 1 095  | 1 299    | 1 075       | 1 253  | 976     |
| ..... \$1,000, 1987 ..  | 6 037      | 5 783  | 4 589  | 5 848    | 7 729       | 6 467  | 4 571   |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item   |                 | Carroll | Cass   | Cedar  | Cerro Gordo | Cherokee | Chickasaw | Clarke |
|--|-----------------|---------|--------|--------|-------------|----------|-----------|--------|
| Total farm production expenses   | farms, 1987--   | 1 321   | 942    | 1 170  | 929         | 1 091    | 1 054     | 697    |
|  | \$1,000, 1987-- | 122 194 | 62 455 | 83 989 | 61 627      | 88 207   | 67 505    | 20 944 |
| Average per farm   | dollars, 1987-- | 92 501  | 66 301 | 71 785 | 66 337      | 80 850   | 64 047    | 30 048 |
| Livestock and poultry purchased  | farms, 1987--   | 660     | 473    | 513    | 344         | 516      | 493       | 260    |
|  | 1982--          | 840     | 551    | 663    | 439         | 692      | 504       | 379    |
|  | \$1,000, 1987-- | 42 663  | 16 310 | 16 900 | 4 641       | 26 445   | 13 196    | 2 412  |
|  | 1982--          | 62 641  | 17 506 | 15 765 | 8 059       | 35 394   | 10 605    | 3 003  |
| Feed for livestock and poultry   | farms, 1987--   | 856     | 631    | 788    | 489         | 614      | 655       | 520    |
|  | 1982--          | 1 062   | 778    | 942    | 588         | 872      | 807       | 558    |
|  | \$1,000, 1987-- | 24 066  | 7 970  | 13 114 | 9 133       | 13 468   | 9 582     | 3 071  |
|  | 1982--          | 29 065  | 8 938  | 13 319 | 10 848      | 16 173   | 10 785    | 3 047  |
| Commercially mixed formula feeds   | farms, 1987--   | 358     | 345    | 449    | 258         | 272      | 386       | 200    |
|  | 1982--          | 471     | 418    | 438    | 236         | 487      | 467       | 235    |
|  | \$1,000, 1987-- | 7 785   | 3 567  | 6 527  | 4 657       | 5 376    | 5 027     | 551    |
|  | 1982--          | 9 366   | 4 946  | 5 417  | 5 355       | 5 723    | 5 259     | 1 174  |
| Seeds, bulbs, plants, and trees  | farms, 1987--   | 1 174   | 818    | 998    | 787         | 988      | 931       | 535    |
|  | 1982--          | 1 237   | 927    | 1 165  | 867         | 1 073    | 1 032     | 596    |
|  | \$1,000, 1987-- | 3 652   | 3 073  | 4 081  | 3 522       | 3 420    | 3 469     | 1 280  |
|  | 1982--          | 3 455   | 2 818  | 4 702  | 3 973       | 3 132    | 3 329     | 1 140  |
| Commercial fertilizer <sup>1</sup>   | farms, 1987--   | 1 098   | 732    | 952    | 744         | 923      | 857       | 511    |
|  | 1982--          | 1 049   | 793    | 1 022  | 822         | 907      | 861       | 488    |
|  | \$1,000, 1987-- | 5 561   | 4 074  | 6 076  | 5 444       | 4 600    | 5 505     | 1 801  |
|  | 1982--          | 5 986   | 4 937  | 8 604  | 7 659       | 4 821    | 6 541     | 2 009  |
| Agricultural chemicals <sup>1</sup>  | farms, 1987--   | 1 146   | 826    | 1 008  | 785         | 956      | 914       | 508    |
|  | 1982--          | 1 059   | 774    | 1 036  | 858         | 975      | 887       | 458    |
|  | \$1,000, 1987-- | 3 195   | 2 962  | 4 542  | 3 641       | 3 233    | 3 417     | 1 214  |
|  | 1982--          | 2 942   | 3 214  | 5 436  | 4 802       | 3 009    | 3 922     | 986    |
| Petroleum products   | farms, 1987--   | 1 285   | 903    | 1 084  | 915         | 1 063    | 1 029     | 661    |
|  | 1982--          | 1 396   | 1 066  | 1 323  | 1 033       | 1 214    | 1 167     | 766    |
|  | \$1,000, 1987-- | 4 388   | 2 992  | 3 644  | 3 969       | 3 480    | 3 428     | 1 525  |
|  | 1982--          | 7 036   | 5 256  | 7 028  | 6 971       | 5 396    | 6 521     | 2 482  |
| Gasoline and gasohol   | farms, 1987--   | 1 108   | 772    | 952    | 822         | 879      | 906       | 516    |
|  | 1982--          | 1 335   | 971    | 1 205  | 940         | 1 066    | 1 106     | 706    |
|  | \$1,000, 1987-- | 1 502   | 1 031  | 1 025  | 1 125       | 1 120    | 1 152     | 660    |
|  | 1982--          | 2 749   | 1 616  | 2 314  | 1 658       | 2 056    | 2 022     | 1 180  |
| Diesel fuel  | farms, 1987--   | 1 017   | 670    | 879    | 723         | 875      | 722       | 418    |
|  | 1982--          | 1 001   | 774    | 945    | 788         | 960      | 819       | 439    |
|  | \$1,000, 1987-- | 2 016   | 1 278  | 1 550  | 1 660       | 1 670    | 1 302     | 654    |
|  | 1982--          | 2 750   | 2 185  | 2 551  | 2 455       | 2 180    | 1 945     | 890    |
| Natural gas  | farms, 1987--   | 87      | 48     | 62     | 44          | 51       | 49        | 6      |
|  | 1982--          | 11      | 28     | 20     | 64          | 23       | 31        | 31     |
|  | \$1,000, 1987-- | 61      | 66     | 64     | 111         | 49       | 105       | 3      |
|  | 1982--          | 4       | 35     | 22     | 193         | 33       | 47        | 11     |
| LP gas, fuel oil, kerosene, motor oil, grease, etc.                          | farms, 1987--   | 1 165   | 795    | 968    | 797         | 944      | 902       | 536    |
|  | 1982--          | (NA)    | (NA)   | (NA)   | (NA)        | (NA)     | (NA)      | (NA)   |
|  | \$1,000, 1987-- | 809     | 617    | 1 006  | 1 074       | 641      | 869       | 208    |
|  | 1982--          | 1 532   | 1 420  | 2 142  | 2 665       | 1 127    | 2 507     | 402    |
| Electricity  | farms, 1987--   | 1 182   | 803    | 1 010  | 802         | 962      | 971       | 573    |
|  | 1982--          | 1 211   | 913    | 1 150  | 887         | 1 034    | 966       | 581    |
|  | \$1,000, 1987-- | 1 862   | 1 024  | 1 518  | 1 131       | 1 660    | 1 455     | 470    |
|  | 1982--          | 1 900   | 1 076  | 1 828  | 1 245       | 1 543    | 1 489     | 536    |
| Hired farm labor   | farms, 1987--   | 687     | 381    | 429    | 451         | 531      | 485       | 250    |
|  | 1982--          | 646     | 349    | 511    | 463         | 584      | 479       | 206    |
|  | \$1,000, 1987-- | 4 439   | 2 175  | 2 683  | 2 835       | 2 988    | 2 593     | 517    |
|  | 1982--          | 3 094   | 1 777  | 3 080  | 2 274       | 2 170    | 1 957     | 585    |
| Contract labor   | farms, 1987--   | 79      | 80     | 84     | 78          | 100      | 63        | 29     |
|  | 1982--          | 56      | 17     | 24     | 58          | 33       | 22        | 24     |
|  | \$1,000, 1987-- | 245     | 104    | 301    | 121         | 193      | 147       | 85     |
|  | 1982--          | 108     | 38     | 12     | 157         | 44       | 22        | 45     |
| Repair and maintenance   | farms, 1987--   | 1 180   | 842    | 999    | 799         | 983      | 954       | 552    |
|  | \$1,000, 1987-- | 6 088   | 4 418  | 4 520  | 3 806       | 4 507    | 4 373     | 1 644  |
| Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> | farms, 1987--   | 800     | 552    | 667    | 503         | 668      | 576       | 362    |
|  | 1982--          | 695     | 504    | 681    | 475         | 666      | 653       | 373    |
|  | \$1,000, 1987-- | 1 839   | 1 268  | 1 524  | 1 981       | 2 081    | 1 143     | 491    |
|  | 1982--          | 1 453   | 996    | 1 789  | 1 634       | 1 229    | 1 387     | 579    |
| Interest paid <sup>3</sup>   | farms, 1987--   | 934     | 645    | 755    | 600         | 721      | 678       | 455    |
|  | 1982--          | 959     | 591    | 926    | 766         | 860      | 809       | 517    |
|  | \$1,000, 1987-- | 8 123   | 4 895  | 8 051  | 6 263       | 6 490    | 5 947     | 2 521  |
|  | 1982--          | 13 346  | 7 666  | 13 304 | 11 927      | 13 315   | 11 109    | 4 363  |
| Interest paid on debt:   |                 |         |        |        |             |          |           |        |
| Secured by real estate   | farms, 1987--   | 659     | 440    | 434    | 422         | 442      | 482       | 294    |
|  | \$1,000, 1987-- | 5 753   | 3 052  | 5 253  | 4 123       | 4 512    | 4 177     | 1 759  |
| Not secured by real estate   | farms, 1987--   | 512     | 392    | 493    | 380         | 500      | 404       | 222    |
|  | \$1,000, 1987-- | 2 370   | 1 843  | 2 797  | 2 140       | 1 978    | 1 771     | 762    |
| Cash rent  | farms, 1987--   | 520     | 416    | 566    | 470         | 546      | 523       | 214    |
|  | \$1,000, 1987-- | 6 141   | 4 341  | 8 005  | 7 896       | 6 336    | 5 124     | 1 047  |
| Property taxes paid  | farms, 1987--   | 1 064   | 796    | 907    | 722         | 846      | 923       | 602    |
|  | \$1,000, 1987-- | 3 090   | 2 300  | 3 094  | 2 054       | 2 205    | 2 915     | 1 125  |
| All other farm production expenses   | farms, 1987--   | 1 299   | 908    | 1 112  | 889         | 1 069    | 1 018     | 640    |
|  | \$1,000, 1987-- | 6 842   | 4 549  | 5 935  | 5 188       | 7 101    | 5 211     | 1 741  |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Clay   | Clayton | Clinton | Crawford | Dallas | Davis  | Decatur |
|---|--------|---------|---------|----------|--------|--------|---------|
| Total farm production expenses ----- farms, 1987--  | 877    | 1 706   | 1 438   | 1 339    | 1 081  | 921    | 715     |
| \$1,000, 1987--   | 67 332 | 101 074 | 93 334  | 86 523   | 54 700 | 27 831 | 28 570  |
| Average per farm -----dollars, 1987--   | 76 776 | 59 246  | 64 906  | 64 617   | 50 602 | 30 219 | 39 957  |
| Livestock and poultry purchased ----- farms, 1987--   | 386    | 779     | 636     | 771      | 348    | 390    | 328     |
| 1982--  | 458    | 832     | 727     | 812      | 449    | 431    | 377     |
| \$1,000, 1987--   | 16 812 | 13 262  | 19 651  | 21 803   | 7 272  | 3 811  | 6 112   |
| 1982--  | 20 395 | 11 737  | 26 604  | 23 199   | 12 332 | 3 525  | 7 172   |
| Feed for livestock and poultry ----- farms, 1987--  | 509    | 1 314   | 877     | 960      | 519    | 638    | 503     |
| 1982--  | 603    | 1 433   | 1 045   | 1 145    | 646    | 800    | 628     |
| \$1,000, 1987--   | 11 220 | 21 883  | 11 361  | 13 805   | 4 888  | 5 111  | 4 527   |
| 1982--  | 12 987 | 20 539  | 14 632  | 15 009   | 5 175  | 5 795  | 4 086   |
| Commercially mixed formula feeds ----- farms, 1987--  | 281    | 948     | 469     | 390      | 214    | 244    | 168     |
| 1982--  | 353    | 1 009   | 585     | 508      | 301    | 271    | 221     |
| \$1,000, 1987--   | 4 241  | 11 867  | 4 279   | 4 187    | 1 728  | 1 913  | 1 168   |
| 1982--  | 6 416  | 11 792  | 8 345   | 4 754    | 2 160  | 2 258  | 1 367   |
| Seeds, bulbs, plants, and trees ----- farms, 1987--   | 734    | 1 445   | 1 246   | 1 093    | 882    | 730    | 484     |
| 1982--  | 929    | 1 488   | 1 385   | 1 308    | 1 048  | 770    | 535     |
| \$1,000, 1987--   | 3 306  | 3 837   | 4 445   | 3 667    | 3 104  | 1 480  | 1 147   |
| 1982--  | 3 599  | 4 031   | 4 804   | 3 235    | 3 580  | 1 515  | 1 128   |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987--  | 709    | 1 304   | 1 224   | 1 042    | 775    | 663    | 487     |
| 1982--  | 833    | 1 351   | 1 287   | 1 139    | 809    | 682    | 519     |
| \$1,000, 1987--   | 4 722  | 6 227   | 7 916   | 5 669    | 4 433  | 2 346  | 2 067   |
| 1982--  | 5 968  | 7 404   | 11 001  | 6 387    | 5 648  | 2 663  | 2 710   |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987--   | 744    | 1 236   | 1 243   | 1 127    | 884    | 710    | 427     |
| 1982--  | 863    | 1 288   | 1 335   | 1 142    | 930    | 625    | 488     |
| \$1,000, 1987--   | 3 068  | 3 188   | 4 602   | 3 084    | 3 334  | 1 313  | 1 343   |
| 1982--  | 4 058  | 3 350   | 5 377   | 3 072    | 3 744  | 1 848  | 1 408   |
| Petroleum products ----- farms, 1987--  | 840    | 1 625   | 1 363   | 1 295    | 1 040  | 890    | 670     |
| 1982--  | 1 045  | 1 725   | 1 558   | 1 511    | 1 196  | 946    | 769     |
| \$1,000, 1987--   | 3 085  | 5 046   | 4 189   | 3 922    | 2 683  | 1 609  | 1 558   |
| 1982--  | 5 728  | 8 164   | 7 781   | 6 164    | 4 809  | 2 803  | 2 831   |
| Gasoline and gasohol ----- farms, 1987--  | 711    | 1 497   | 1 194   | 1 138    | 912    | 815    | 596     |
| 1982--  | 1 016  | 1 657   | 1 405   | 1 377    | 1 124  | 918    | 747     |
| \$1,000, 1987--   | 973    | 1 881   | 1 318   | 1 448    | 923    | 645    | 766     |
| 1982--  | 1 954  | 2 943   | 2 573   | 2 268    | 1 709  | 1 157  | 1 314   |
| Diesel fuel ----- farms, 1987--   | 646    | 1 244   | 1 025   | 988      | 764    | 548    | 357     |
| 1982--  | 804    | 1 208   | 1 192   | 1 114    | 763    | 571    | 427     |
| \$1,000, 1987--   | 1 501  | 1 955   | 1 821   | 1 823    | 1 196  | 713    | 529     |
| 1982--  | 2 478  | 2 867   | 3 223   | 2 651    | 2 011  | 1 046  | 1 014   |
| Natural gas ----- farms, 1987--   | 30     | 36      | 69      | 63       | 74     | 57     | 30      |
| 1982--  | 17     | 29      | 20      | 58       | 19     | -      | 23      |
| \$1,000, 1987--   | 41     | 38      | 99      | 59       | 61     | 23     | 38      |
| 1982--  | 49     | 56      | 74      | 71       | 70     | -      | 16      |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987--                          | 766    | 1 407   | 1 237   | 1 123    | 729    | 702    | 511     |
| 1982--  | (NA)   | (NA)    | (NA)    | (NA)     | (NA)   | (NA)   | (NA)    |
| \$1,000, 1987--   | 570    | 1 172   | 951     | 591      | 503    | 229    | 224     |
| 1982--  | 1 248  | 2 299   | 1 911   | 1 174    | 1 019  | 599    | 487     |
| Electricity ----- farms, 1987--   | 809    | 1 516   | 1 264   | 1 180    | 795    | 698    | 548     |
| 1982--  | 850    | 1 495   | 1 325   | 1 225    | 874    | 724    | 587     |
| \$1,000, 1987--   | 1 099  | 3 194   | 1 824   | 1 670    | 981    | 697    | 494     |
| 1982--  | 1 249  | 2 856   | 2 149   | 1 902    | 961    | 652    | 575     |
| Hired farm labor ----- farms, 1987--  | 422    | 924     | 688     | 698      | 402    | 361    | 269     |
| 1982--  | 565    | 791     | 773     | 704      | 487    | 248    | 237     |
| \$1,000, 1987--   | 2 453  | 4 026   | 3 299   | 3 405    | 2 792  | 658    | 1 141   |
| 1982--  | 2 390  | 3 082   | 3 680   | 2 119    | 2 051  | 743    | 1 076   |
| Contract labor ----- farms, 1987--  | 62     | 90      | 130     | 131      | 130    | 81     | 27      |
| 1982--  | 25     | 65      | 40      | 68       | 35     | 28     | 22      |
| \$1,000, 1987--   | 93     | 140     | 129     | 346      | 284    | 193    | 105     |
| 1982--  | 51     | 143     | 52      | 164      | 40     | 174    | 45      |
| Repair and maintenance ----- farms, 1987--  | 794    | 1 527   | 1 272   | 1 201    | 851    | 778    | 603     |
| \$1,000, 1987--   | 4 418  | 8 149   | 5 177   | 4 862    | 3 288  | 2 104  | 2 327   |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987-- | 520    | 952     | 838     | 870      | 513    | 417    | 385     |
| 1982--  | 602    | 913     | 797     | 832      | 606    | 472    | 438     |
| \$1,000, 1987--   | 1 253  | 2 344   | 2 251   | 1 706    | 1 270  | 414    | 544     |
| 1982--  | 1 584  | 1 613   | 1 739   | 1 421    | 1 306  | 664    | 831     |
| Interest paid <sup>3</sup> ----- farms, 1987--  | 612    | 1 219   | 923     | 920      | 636    | 625    | 373     |
| 1982--  | 712    | 1 098   | 1 126   | 983      | 801    | 619    | 468     |
| \$1,000, 1987--   | 5 397  | 10 397  | 8 357   | 7 931    | 6 078  | 3 025  | 2 291   |
| 1982--  | 11 697 | 13 926  | 15 848  | 11 324   | 10 727 | 6 253  | 5 478   |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987--                                | 373    | 866     | 564     | 664      | 446    | 533    | 225     |
| \$1,000, 1987--   | 3 462  | 7 901   | 5 062   | 5 468    | 4 269  | 2 370  | 1 730   |
| Not secured by real estate ----- farms, 1987--  | 408    | 666     | 627     | 562      | 341    | 283    | 200     |
| \$1,000, 1987--   | 1 935  | 2 496   | 3 295   | 2 463    | 1 809  | 655    | 561     |
| Cash rent ----- farms, 1987--   | 307    | 509     | 652     | 525      | 402    | 232    | 216     |
| \$1,000, 1987--   | 3 903  | 5 067   | 9 696   | 6 463    | 5 907  | 817    | 1 215   |
| Property taxes paid ----- farms, 1987--   | 717    | 1 494   | 1 115   | 1 109    | 898    | 872    | 627     |
| \$1,000, 1987--   | 2 043  | 4 329   | 3 364   | 2 636    | 2 749  | 1 599  | 1 179   |
| All other farm production expenses ----- farms, 1987--  | 860    | 1 637   | 1 397   | 1 320    | 1 018  | 889    | 681     |
| \$1,000, 1987--   | 4 459  | 9 982   | 7 071   | 5 554    | 5 638  | 2 653  | 2 518   |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Delaware | Des Moines | Dickinson | Dubuque | Emmet  | Fayette | Floyd  | Franklin |
|---|----------|------------|-----------|---------|--------|---------|--------|----------|
| Total farm production expenses ----- farms, 1987..  | 1 452    | 752        | 593       | 1 690   | 609    | 1 510   | 985    | 1 012    |
| ----- \$1,000, 1987..   | 123 128  | 32 754     | 45 481    | 113 839 | 38 847 | 100 483 | 58 137 | 80 138   |
| Average per farm ----- dollars, 1987..  | 84 799   | 43 555     | 76 696    | 67 360  | 63 788 | 66 545  | 59 023 | 79 188   |
| Livestock and poultry purchased ----- farms, 1987..   | 910      | 273        | 201       | 1 009   | 208    | 785     | 422    | 402      |
| ----- 1982..  | 883      | 239        | 296       | 1 064   | 259    | 868     | 379    | 555      |
| ----- \$1,000, 1987..   | 18 914   | 3 392      | 12 881    | 23 907  | 6 810  | 15 028  | 8 386  | 12 037   |
| ----- 1982..  | 14 899   | 4 636      | 17 737    | 19 327  | 9 661  | 19 469  | 9 223  | 19 367   |
| Feed for livestock and poultry ----- farms, 1987..  | 1 202    | 342        | 326       | 1 431   | 247    | 1 044   | 538    | 540      |
| ----- 1982..  | 1 244    | 527        | 406       | 1 479   | 330    | 1 252   | 624    | 734      |
| ----- \$1,000, 1987..   | 32 473   | 3 775      | 6 787     | 26 778  | 4 133  | 17 457  | 7 875  | 14 201   |
| ----- 1982..  | 24 700   | 5 229      | 11 763    | 22 902  | 4 433  | 19 256  | 6 443  | 16 145   |
| Commercially mixed formula feeds ----- farms, 1987..  | 827      | 173        | 186       | 979     | 114    | 712     | 240    | 329      |
| ----- 1982..  | 878      | 236        | 265       | 922     | 142    | 711     | 308    | 349      |
| ----- \$1,000, 1987..   | 15 530   | 2 110      | 2 440     | 13 758  | 1 333  | 8 338   | 3 327  | 7 621    |
| ----- 1982..  | 12 995   | 1 879      | 5 357     | 9 861   | 1 661  | 9 629   | 3 323  | 9 502    |
| Seeds, bulbs, plants, and trees ----- farms, 1987..   | 1 268    | 653        | 534       | 1 429   | 576    | 1 335   | 831    | 862      |
| ----- 1982..  | 1 288    | 667        | 604       | 1 482   | 652    | 1 461   | 968    | 1 044    |
| ----- \$1,000, 1987..   | 4 025    | 2 078      | 1 963     | 3 090   | 2 329  | 4 399   | 3 368  | 3 968    |
| ----- 1982..  | 4 127    | 2 321      | 2 260     | 3 240   | 2 624  | 4 797   | 3 413  | 4 604    |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..  | 1 209    | 617        | 485       | 1 295   | 539    | 1 253   | 771    | 827      |
| ----- 1982..  | 1 159    | 594        | 525       | 1 322   | 596    | 1 343   | 876    | 949      |
| ----- \$1,000, 1987..   | 7 362    | 3 198      | 2 693     | 5 505   | 3 458  | 7 460   | 4 613  | 6 043    |
| ----- 1982..  | 8 925    | 3 612      | 3 863     | 5 911   | 4 215  | 9 150   | 5 994  | 7 154    |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..   | 1 221    | 650        | 519       | 1 349   | 542    | 1 252   | 839    | 861      |
| ----- 1982..  | 1 106    | 587        | 536       | 1 316   | 628    | 1 258   | 847    | 946      |
| ----- \$1,000, 1987..   | 3 559    | 2 281      | 2 114     | 2 142   | 2 237  | 4 353   | 3 301  | 4 562    |
| ----- 1982..  | 3 568    | 2 693      | 2 063     | 2 248   | 2 255  | 4 650   | 3 983  | 5 078    |
| Petroleum products ----- farms, 1987..  | 1 395    | 726        | 557       | 1 658   | 594    | 1 434   | 934    | 987      |
| ----- 1982..  | 1 477    | 802        | 640       | 1 691   | 714    | 1 638   | 1 096  | 1 168    |
| ----- \$1,000, 1987..   | 5 993    | 1 700      | 2 016     | 5 202   | 2 266  | 4 893   | 3 252  | 3 889    |
| ----- 1982..  | 8 867    | 3 414      | 3 636     | 7 061   | 4 253  | 8 935   | 6 067  | 6 633    |
| Gasoline and gasohol ----- farms, 1987..  | 1 227    | 613        | 501       | 1 534   | 490    | 1 248   | 870    | 875      |
| ----- 1982..  | 1 392    | 752        | 608       | 1 612   | 668    | 1 573   | 1 052  | 1 093    |
| ----- \$1,000, 1987..   | 1 946    | 497        | 770       | 2 227   | 686    | 1 590   | 991    | 1 082    |
| ----- 1982..  | 2 914    | 1 196      | 1 272     | 3 161   | 1 244  | 2 897   | 1 916  | 2 144    |
| Diesel fuel ----- farms, 1987..   | 1 110    | 478        | 428       | 1 139   | 535    | 1 009   | 641    | 799      |
| ----- 1982..  | 1 072    | 500        | 496       | 1 120   | 555    | 1 198   | 729    | 917      |
| ----- \$1,000, 1987..   | 2 142    | 851        | 847       | 1 821   | 1 146  | 1 951   | 1 334  | 1 839    |
| ----- 1982..  | 2 895    | 1 328      | 1 487     | 2 251   | 1 852  | 3 107   | 1 907  | 2 476    |
| Natural gas ----- farms, 1987..   | 53       | 31         | 11        | 96      | 31     | 68      | 58     | 83       |
| ----- 1982..  | 48       | 11         | 25        | 51      | 26     | 16      | 54     | 36       |
| ----- \$1,000, 1987..   | 146      | 12         | 16        | 85      | 23     | 93      | 103    | 80       |
| ----- 1982..  | 104      | 160        | 32        | 53      | 66     | 53      | 127    | 52       |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987..                          | 1 264    | 576        | 486       | 1 431   | 536    | 1 298   | 822    | 918      |
| ----- 1982..  | (NA)     | (NA)       | (NA)      | (NA)    | (NA)   | (NA)    | (NA)   | (NA)     |
| ----- \$1,000, 1987..   | 1 760    | 340        | 384       | 1 069   | 411    | 1 259   | 824    | 888      |
| ----- 1982..  | 2 954    | 729        | 845       | 1 596   | 1 091  | 2 877   | 2 117  | 1 960    |
| Electricity ----- farms, 1987..   | 1 313    | 588        | 541       | 1 557   | 507    | 1 370   | 873    | 932      |
| ----- 1982..  | 1 294    | 611        | 512       | 1 559   | 602    | 1 435   | 970    | 1 026    |
| ----- \$1,000, 1987..   | 3 154    | 576        | 709       | 3 011   | 699    | 2 341   | 1 133  | 1 361    |
| ----- 1982..  | 2 789    | 814        | 694       | 2 677   | 653    | 2 369   | 1 250  | 1 615    |
| Hired farm labor ----- farms, 1987..  | 825      | 284        | 246       | 933     | 340    | 811     | 513    | 492      |
| ----- 1982..  | 679      | 256        | 338       | 768     | 325    | 896     | 437    | 532      |
| ----- \$1,000, 1987..   | 4 822    | 1 253      | 1 927     | 5 614   | 1 347  | 4 687   | 2 906  | 3 500    |
| ----- 1982..  | 3 689    | 1 602      | 1 775     | 3 688   | 1 097  | 4 070   | 2 876  | 3 477    |
| Contract labor ----- farms, 1987..  | 94       | 49         | 63        | 126     | 63     | 107     | 107    | 44       |
| ----- 1982..  | 47       | 22         | 22        | 53      | 14     | 49      | 47     | 52       |
| ----- \$1,000, 1987..   | 338      | 75         | 160       | 326     | 174    | 226     | 210    | 180      |
| ----- 1982..  | 210      | 82         | 32        | 96      | 55     | 52      | 66     | 88       |
| Repair and maintenance ----- farms, 1987..  | 1 282    | 634        | 504       | 1 577   | 548    | 1 338   | 924    | 888      |
| ----- \$1,000, 1987..   | 8 249    | 2 339      | 2 394     | 6 723   | 2 544  | 7 222   | 3 882  | 4 525    |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987.. | 947      | 398        | 346       | 1 055   | 271    | 924     | 506    | 588      |
| ----- 1982..  | 758      | 367        | 303       | 904     | 315    | 899     | 515    | 583      |
| ----- \$1,000, 1987..   | 1 844    | 1 039      | 610       | 2 037   | 702    | 2 332   | 1 186  | 2 353    |
| ----- 1982..  | 1 701    | 552        | 731       | 1 535   | 701    | 2 236   | 1 246  | 1 494    |
| Interest paid <sup>3</sup> ----- farms, 1987..  | 985      | 353        | 371       | 1 011   | 433    | 1 011   | 692    | 731      |
| ----- 1982..  | 1 057    | 454        | 407       | 1 010   | 536    | 1 118   | 719    | 885      |
| ----- \$1,000, 1987..   | 11 335   | 2 993      | 3 520     | 9 481   | 3 246  | 10 604  | 5 543  | 7 100    |
| ----- 1982..  | 16 993   | 5 176      | 6 953     | 12 751  | 7 683  | 16 338  | 9 942  | 15 262   |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987..                                | 700      | 219        | 207       | 628     | 201    | 670     | 459    | 451      |
| ----- \$1,000, 1987..   | 8 005    | 2 465      | 1 677     | 6 426   | 1 658  | 7 541   | 3 643  | 4 725    |
| Not secured by real estate ----- farms, 1987..  | 577      | 199        | 279       | 636     | 334    | 618     | 472    | 484      |
| ----- \$1,000, 1987..   | 3 331    | 528        | 1 843     | 3 055   | 1 588  | 3 063   | 1 900  | 2 374    |
| Cash rent ----- farms, 1987..   | 507      | 275        | 332       | 566     | 313    | 514     | 467    | 490      |
| ----- \$1,000, 1987..   | 6 821    | 3 724      | 3 886     | 5 340   | 4 759  | 6 634   | 5 516  | 8 157    |
| Property taxes paid ----- farms, 1987..   | 1 155    | 613        | 452       | 1 406   | 435    | 1 300   | 818    | 801      |
| ----- \$1,000, 1987..   | 3 831    | 1 794      | 1 021     | 3 322   | 1 140  | 3 893   | 2 216  | 2 304    |
| All other farm production expenses ----- farms, 1987..  | 1 417    | 706        | 568       | 1 659   | 594    | 1 501   | 949    | 994      |
| ----- \$1,000, 1987..   | 10 409   | 2 536      | 2 821     | 11 361  | 3 002  | 7 954   | 4 750  | 5 957    |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Fremont | Greene | Grundy | Guthrie | Hamilton | Hancock | Hardin | Harrison |
|---|---------|--------|--------|---------|----------|---------|--------|----------|
| Total farm production expenses ----- farms, 1987..  | 719     | 849    | 1 038  | 960     | 1 026    | 1 053   | 1 065  | 1 024    |
| ----- \$1,000, 1987..   | 47 330  | 59 298 | 92 137 | 44 194  | 97 625   | 74 409  | 90 777 | 57 318   |
| Average per farm ----- dollars, 1987..  | 65 827  | 62 485 | 88 764 | 46 036  | 95 151   | 70 664  | 85 237 | 55 975   |
| Livestock and poultry purchased ----- farms, 1987..   | 187     | 245    | 411    | 438     | 361      | 465     | 447    | 335      |
| ----- 1982..  | 264     | 445    | 510    | 550     | 459      | 538     | 564    | 375      |
| ----- \$1,000, 1987..   | 10 594  | 7 690  | 21 499 | 7 284   | 17 559   | 12 061  | 18 089 | 9 680    |
| ----- 1982..  | 16 147  | 12 486 | 18 707 | 12 400  | 19 583   | 12 023  | 24 405 | 8 805    |
| Feed for livestock and poultry ----- farms, 1987..  | 280     | 408    | 585    | 613     | 459      | 549     | 609    | 518      |
| ----- 1982..  | 498     | 617    | 686    | 700     | 632      | 731     | 751    | 636      |
| ----- \$1,000, 1987..   | 5 320   | 6 665  | 12 557 | 5 650   | 26 212   | 10 842  | 15 072 | 5 753    |
| ----- 1982..  | 7 490   | 9 018  | 13 591 | 9 338   | 28 098   | 12 460  | 15 194 | 5 421    |
| Commercially mixed formula feeds ----- farms, 1987..  | 129     | 212    | 304    | 246     | 250      | 322     | 324    | 245      |
| ----- 1982..  | 189     | 242    | 384    | 301     | 295      | 337     | 416    | 283      |
| ----- \$1,000, 1987..   | 1 292   | 3 004  | 5 085  | 1 836   | 20 160   | 5 516   | 5 331  | 1 872    |
| ----- 1982..  | 1 926   | 3 687  | 6 534  | 5 053   | 18 982   | 4 427   | 5 988  | 2 092    |
| Seeds, bulbs, plants, and trees ----- farms, 1987..   | 632     | 841    | 918    | 757     | 917      | 921     | 926    | 884      |
| ----- 1982..  | 664     | 909    | 1 005  | 939     | 1 032    | 1 100   | 1 062  | 1 055    |
| ----- \$1,000, 1987..   | 2 971   | 3 592  | 3 738  | 2 099   | 3 692    | 4 075   | 4 164  | 3 669    |
| ----- 1982..  | 2 654   | 3 592  | 3 518  | 2 165   | 3 848    | 4 182   | 4 338  | 3 503    |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..  | 612     | 786    | 879    | 712     | 884      | 902     | 869    | 841      |
| ----- 1982..  | 600     | 815    | 906    | 744     | 943      | 955     | 915    | 979      |
| ----- \$1,000, 1987..   | 3 275   | 5 201  | 6 038  | 3 446   | 5 186    | 6 261   | 5 837  | 5 722    |
| ----- 1982..  | 3 642   | 5 678  | 6 202  | 4 591   | 6 976    | 6 689   | 7 861  | 6 953    |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..   | 622     | 818    | 930    | 807     | 906      | 942     | 904    | 862      |
| ----- 1982..  | 618     | 808    | 934    | 813     | 938      | 949     | 961    | 898      |
| ----- \$1,000, 1987..   | 2 807   | 3 902  | 4 920  | 2 624   | 4 090    | 4 151   | 4 522  | 3 924    |
| ----- 1982..  | 2 812   | 3 616  | 4 580  | 2 920   | 4 409    | 3 965   | 4 682  | 3 459    |
| Petroleum products ----- farms, 1987..  | 671     | 900    | 1 005  | 939     | 1 005    | 1 019   | 1 022  | 947      |
| ----- 1982..  | 771     | 1 043  | 1 129  | 1 093   | 1 158    | 1 176   | 1 184  | 1 191    |
| ----- \$1,000, 1987..   | 2 587   | 3 285  | 3 941  | 2 701   | 4 217    | 4 066   | 3 764  | 3 218    |
| ----- 1982..  | 3 929   | 4 676  | 5 449  | 4 281   | 7 361    | 7 380   | 6 489  | 4 922    |
| Gasoline and gasohol ----- farms, 1987..  | 573     | 771    | 846    | 870     | 837      | 902     | 903    | 773      |
| ----- 1982..  | 675     | 906    | 1 048  | 1 040   | 1 074    | 1 105   | 1 093  | 1 066    |
| ----- \$1,000, 1987..   | 814     | 1 163  | 1 128  | 1 044   | 1 026    | 1 104   | 1 107  | 1 157    |
| ----- 1982..  | 1 119   | 1 766  | 1 622  | 1 812   | 1 912    | 2 270   | 1 923  | 1 894    |
| Diesel fuel ----- farms, 1987..   | 515     | 726    | 831    | 629     | 801      | 889     | 771    | 706      |
| ----- 1982..  | 621     | 763    | 814    | 601     | 917      | 947     | 903    | 859      |
| ----- \$1,000, 1987..   | 1 277   | 1 601  | 1 679  | 1 037   | 1 777    | 1 939   | 1 697  | 1 630    |
| ----- 1982..  | 2 107   | 2 025  | 2 021  | 1 440   | 2 570    | 2 736   | 2 388  | 2 294    |
| Natural gas ----- farms, 1987..   | 22      | 60     | 76     | 45      | 54       | 79      | 93     | 36       |
| ----- 1982..  | 27      | 3      | 21     | 14      | 28       | 77      | 12     | 34       |
| ----- \$1,000, 1987..   | 23      | 51     | 99     | 130     | 75       | 93      | 85     | 54       |
| ----- 1982..  | 9       | 26     | 46     | 23      | 41       | 136     | 17     | 31       |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987..                          | 594     | 794    | 919    | 777     | 908      | 949     | 881    | 798      |
| ----- 1982..  | (NA)    | (NA)   | (NA)   | (NA)    | (NA)     | (NA)    | (NA)   | (NA)     |
| ----- \$1,000, 1987..   | 474     | 469    | 1 035  | 490     | 1 339    | 930     | 875    | 376      |
| ----- 1982..  | 693     | 859    | 1 761  | 1 006   | 2 838    | 2 238   | 2 161  | 703      |
| Electricity ----- farms, 1987..   | 588     | 854    | 892    | 787     | 902      | 954     | 905    | 876      |
| ----- 1982..  | 580     | 860    | 915    | 786     | 864      | 1 020   | 1 023  | 995      |
| ----- \$1,000, 1987..   | 831     | 1 079  | 1 364  | 961     | 1 650    | 1 361   | 1 511  | 1 336    |
| ----- 1982..  | 736     | 1 070  | 1 318  | 929     | 1 575    | 1 470   | 1 474  | 1 502    |
| Hired farm labor ----- farms, 1987..  | 345     | 519    | 548    | 350     | 512      | 616     | 605    | 481      |
| ----- 1982..  | 372     | 465    | 592    | 332     | 554      | 505     | 528    | 532      |
| ----- \$1,000, 1987..   | 2 916   | 3 225  | 3 822  | 1 390   | 5 187    | 3 235   | 3 824  | 2 542    |
| ----- 1982..  | 2 227   | 2 313  | 3 425  | 1 728   | 3 853    | 1 980   | 3 998  | 2 601    |
| Contract labor ----- farms, 1987..  | 111     | 97     | 92     | 90      | 80       | 53      | 55     | 132      |
| ----- 1982..  | 23      | 29     | 47     | 9       | 39       | 28      | 43     | 48       |
| ----- \$1,000, 1987..   | 379     | 191    | 331    | 187     | 667      | 130     | 213    | 248      |
| ----- 1982..  | 61      | 40     | 58     | 6       | 336      | 65      | 57     | 127      |
| Repair and maintenance ----- farms, 1987..  | 609     | 889    | 908    | 765     | 899      | 920     | 954    | 858      |
| ----- \$1,000, 1987..   | 3 063   | 4 499  | 4 772  | 3 570   | 4 807    | 4 471   | 5 475  | 3 698    |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987.. | 424     | 581    | 682    | 496     | 551      | 600     | 626    | 595      |
| ----- 1982..  | 414     | 514    | 674    | 507     | 576      | 584     | 627    | 585      |
| ----- \$1,000, 1987..   | 1 125   | 1 938  | 2 319  | 1 214   | 1 066    | 1 587   | 1 879  | 1 350    |
| ----- 1982..  | 867     | 1 415  | 1 686  | 844     | 1 611    | 1 206   | 2 251  | 1 100    |
| Interest paid <sup>3</sup> ----- farms, 1987..  | 384     | 614    | 774    | 598     | 729      | 789     | 700    | 679      |
| ----- 1982..  | 534     | 733    | 818    | 677     | 785      | 777     | 838    | 832      |
| ----- \$1,000, 1987..   | 3 583   | 5 513  | 8 807  | 4 497   | 7 521    | 7 060   | 7 286  | 6 471    |
| ----- 1982..  | 7 455   | 12 616 | 12 700 | 7 798   | 14 940   | 12 497  | 14 661 | 8 781    |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987..                                | 238     | 351    | 488    | 381     | 455      | 477     | 445    | 486      |
| ----- \$1,000, 1987..   | 2 117   | 3 650  | 5 665  | 2 822   | 5 625    | 4 649   | 4 593  | 4 717    |
| Not secured by real estate ----- farms, 1987..  | 229     | 376    | 517    | 384     | 512      | 498     | 429    | 415      |
| ----- \$1,000, 1987..   | 1 466   | 1 863  | 3 141  | 1 675   | 1 895    | 2 411   | 2 694  | 1 754    |
| Cash rent ----- farms, 1987..   | 137     | 378    | 556    | 318     | 478      | 570     | 559    | 287      |
| ----- \$1,000, 1987..   | 1 815   | 4 824  | 9 535  | 2 632   | 6 347    | 7 249   | 9 095  | 2 899    |
| Property taxes paid ----- farms, 1987..   | 630     | 725    | 779    | 809     | 803      | 858     | 832    | 845      |
| ----- \$1,000, 1987..   | 1 869   | 2 326  | 2 158  | 1 831   | 2 646    | 2 211   | 2 583  | 2 136    |
| All other farm production expenses ----- farms, 1987..  | 689     | 929    | 1 027  | 938     | 1 012    | 1 045   | 1 038  | 983      |
| ----- \$1,000, 1987..   | 4 195   | 5 368  | 6 335  | 4 109   | 6 778    | 5 651   | 7 461  | 4 671    |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Henry  | Howard | Humboldt | Ida    | Iowa   | Jackson | Jasper | Jefferson |
|---|--------|--------|----------|--------|--------|---------|--------|-----------|
| Total farm production expenses ----- farms, 1987..  | 894    | 938    | 754      | 787    | 1 057  | 1 354   | 1 465  | 774       |
| \$1,000, 1987..   | 44 968 | 52 352 | 52 755   | 61 684 | 70 646 | 74 148  | 84 547 | 33 075    |
| Average per farm ----- dollars, 1987..  | 50 299 | 55 812 | 69 966   | 78 379 | 66 836 | 54 762  | 57 711 | 42 732    |
| Livestock and poultry purchased ----- farms, 1987..   | 352    | 423    | 237      | 419    | 544    | 790     | 607    | 262       |
| 1982..  | 420    | 476    | 330      | 510    | 545    | 812     | 761    | 368       |
| \$1,000, 1987..   | 5 424  | 6 624  | 11 122   | 17 962 | 13 498 | 18 867  | 14 674 | 3 995     |
| 1982..  | 7 824  | 7 252  | 12 255   | 22 837 | 18 679 | 17 202  | 19 253 | 6 762     |
| Feed for livestock and poultry ----- farms, 1987..  | 532    | 615    | 317      | 514    | 787    | 1 126   | 910    | 489       |
| 1982..  | 618    | 763    | 417      | 598    | 979    | 1 195   | 1 133  | 536       |
| \$1,000, 1987..   | 9 086  | 8 472  | 6 247    | 7 996  | 11 543 | 13 035  | 15 054 | 4 168     |
| 1982..  | 12 939 | 7 781  | 7 548    | 10 282 | 15 469 | 10 870  | 16 167 | 5 936     |
| Commercially mixed formula feeds ----- farms, 1987..  | 198    | 360    | 134      | 229    | 398    | 597     | 417    | 265       |
| 1982..  | 283    | 404    | 194      | 262    | 461    | 627     | 472    | 1 222     |
| \$1,000, 1987..   | 5 272  | 4 178  | 1 551    | 2 875  | 4 932  | 5 836   | 4 734  | 1 426     |
| 1982..  | 7 573  | 3 747  | 3 550    | 3 761  | 6 286  | 4 462   | 7 014  | 2 513     |
| Seeds, bulbs, plants, and trees ----- farms, 1987..   | 728    | 811    | 698      | 681    | 927    | 1 049   | 1 183  | 616       |
| 1982..  | 785    | 908    | 793      | 762    | 928    | 1 199   | 1 286  | 724       |
| \$1,000, 1987..   | 2 124  | 2 659  | 3 051    | 2 652  | 3 191  | 2 289   | 4 248  | 1 928     |
| 1982..  | 2 541  | 2 890  | 3 156    | 2 446  | 3 120  | 2 845   | 4 472  | 2 116     |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..  | 719    | 781    | 677      | 647    | 841    | 1 057   | 1 089  | 566       |
| 1982..  | 732    | 830    | 698      | 704    | 882    | 1 086   | 1 103  | 634       |
| \$1,000, 1987..   | 3 579  | 4 323  | 4 191    | 3 940  | 5 150  | 4 290   | 6 246  | 3 772     |
| 1982..  | 4 945  | 4 613  | 5 689    | 4 309  | 6 566  | 5 936   | 7 710  | 4 467     |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..   | 736    | 751    | 683      | 659    | 912    | 1 032   | 1 162  | 635       |
| 1982..  | 733    | 783    | 725      | 687    | 835    | 1 066   | 1 189  | 637       |
| \$1,000, 1987..   | 2 588  | 3 147  | 3 074    | 2 674  | 3 308  | 1 861   | 4 369  | 1 958     |
| 1982..  | 2 644  | 2 538  | 3 212    | 2 369  | 3 395  | 2 374   | 4 390  | 2 124     |
| Petroleum products ----- farms, 1987..  | 863    | 911    | 735      | 757    | 1 011  | 1 256   | 1 397  | 754       |
| 1982..  | 946    | 1 050  | 848      | 874    | 1 150  | 1 415   | 1 575  | 885       |
| \$1,000, 1987..   | 2 164  | 2 938  | 2 479    | 2 344  | 3 145  | 3 342   | 3 996  | 2 195     |
| 1982..  | 3 951  | 5 545  | 4 642    | 4 267  | 5 553  | 5 511   | 6 839  | 3 368     |
| Gasoline and gasohol ----- farms, 1987..  | 709    | 843    | 579      | 578    | 840    | 1 189   | 1 244  | 662       |
| 1982..  | 853    | 1 009  | 790      | 781    | 1 051  | 1 336   | 1 498  | 775       |
| \$1,000, 1987..   | 698    | 1 118  | 664      | 747    | 1 047  | 1 481   | 1 351  | 812       |
| 1982..  | 1 202  | 2 022  | 1 397    | 1 613  | 2 002  | 2 594   | 2 560  | 1 126     |
| Diesel fuel ----- farms, 1987..   | 561    | 636    | 603      | 588    | 798    | 771     | 970    | 552       |
| 1982..  | 577    | 697    | 664      | 633    | 833    | 876     | 1 028  | 570       |
| \$1,000, 1987..   | 913    | 1 094  | 1 294    | 1 229  | 1 404  | 1 191   | 1 709  | 901       |
| 1982..  | 1 542  | 1 704  | 2 034    | 1 727  | 2 047  | 1 723   | 2 673  | 1 438     |
| Natural gas ----- farms, 1987..   | 38     | 27     | 42       | 31     | 60     | 31      | 37     | 18        |
| 1982..  | 11     | 7      | 21       | 18     | 9      | 45      | 26     | 26        |
| \$1,000, 1987..   | 59     | 65     | 32       | 16     | 66     | 41      | 66     | 10        |
| 1982..  | 23     | 11     | 21       | 6      | 45     | 73      | 24     | 40        |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987..                          | 729    | 808    | 675      | 676    | 872    | 1 031   | 1 185  | 662       |
| 1982..  | (NA)   | (NA)   | (NA)     | (NA)   | (NA)   | (NA)    | (NA)   | (NA)      |
| \$1,000, 1987..   | 493    | 661    | 488      | 352    | 629    | 630     | 870    | 472       |
| 1982..  | 1 184  | 1 808  | 1 191    | 920    | 1 458  | 1 121   | 1 582  | 784       |
| Electricity ----- farms, 1987..   | 741    | 860    | 607      | 700    | 925    | 1 174   | 1 219  | 682       |
| 1982..  | 769    | 913    | 774      | 753    | 1 001  | 1 283   | 1 307  | 684       |
| \$1,000, 1987..   | 747    | 1 181  | 772      | 1 059  | 1 250  | 1 656   | 1 761  | 679       |
| 1982..  | 841    | 1 210  | 1 051    | 1 166  | 1 319  | 1 593   | 1 636  | 750       |
| Hired farm labor ----- farms, 1987..  | 389    | 439    | 381      | 514    | 464    | 560     | 724    | 315       |
| 1982..  | 293    | 423    | 345      | 490    | 378    | 639     | 639    | 322       |
| \$1,000, 1987..   | 2 080  | 2 250  | 2 407    | 2 385  | 3 440  | 2 833   | 3 718  | 1 331     |
| 1982..  | 1 330  | 1 798  | 1 607    | 1 455  | 2 157  | 2 430   | 3 365  | 1 186     |
| Contract labor ----- farms, 1987..  | 59     | 49     | 81       | 47     | 68     | 94      | 115    | 28        |
| 1982..  | 29     | 34     | 38       | 42     | 3      | 15      | 40     | 32        |
| \$1,000, 1987..   | 89     | 56     | 171      | 102    | 139    | 88      | 231    | 75        |
| 1982..  | (D)    | 42     | 128      | 100    | (D)    | 35      | 98     | 68        |
| Repair and maintenance ----- farms, 1987..  | 791    | 832    | 653      | 715    | 942    | 1 190   | 1 217  | 679       |
| \$1,000, 1987..   | 2 828  | 3 471  | 3 218    | 3 278  | 4 589  | 4 950   | 5 251  | 2 423     |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987.. | 405    | 446    | 345      | 447    | 620    | 773     | 709    | 348       |
| 1982..  | 376    | 560    | 377      | 520    | 549    | 757     | 793    | 394       |
| \$1,000, 1987..   | 917    | 1 477  | 942      | 1 409  | 1 282  | 1 417   | 1 773  | 825       |
| 1982..  | 706    | 1 041  | 704      | 1 112  | 1 521  | 1 334   | 1 729  | 566       |
| Interest paid <sup>3</sup> ----- farms, 1987..  | 572    | 694    | 480      | 572    | 728    | 871     | 888    | 449       |
| 1982..  | 678    | 712    | 583      | 523    | 803    | 986     | 1 090  | 554       |
| \$1,000, 1987..   | 4 666  | 5 444  | 4 679    | 4 793  | 6 545  | 6 763   | 6 957  | 2 995     |
| 1982..  | 8 449  | 7 809  | 9 671    | 7 207  | 10 613 | 11 523  | 14 387 | 6 193     |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987..                                | 378    | 516    | 283      | 355    | 546    | 692     | 600    | 314       |
| \$1,000, 1987..   | 3 128  | 3 817  | 2 721    | 2 852  | 4 745  | 4 681   | 4 847  | 1 965     |
| Not secured by real estate ----- farms, 1987..  | 359    | 406    | 312      | 395    | 392    | 400     | 485    | 233       |
| \$1,000, 1987..   | 1 538  | 1 627  | 1 958    | 1 940  | 1 800  | 2 082   | 2 110  | 1 031     |
| Cash rent ----- farms, 1987..   | 290    | 324    | 363      | 396    | 416    | 479     | 562    | 203       |
| \$1,000, 1987..   | 2 926  | 3 291  | 4 400    | 5 556  | 4 731  | 4 285   | 6 541  | 1 930     |
| Property taxes paid ----- farms, 1987..   | 769    | 823    | 558      | 629    | 930    | 1 215   | 1 167  | 681       |
| \$1,000, 1987..   | 2 370  | 2 385  | 1 661    | 1 502  | 3 097  | 2 620   | 3 617  | 1 850     |
| All other farm production expenses ----- farms, 1987..  | 659    | 916    | 738      | 772    | 1 051  | 1 313   | 1 396  | 720       |
| \$1,000, 1987..   | 3 379  | 4 632  | 4 343    | 4 033  | 5 737  | 5 851   | 6 111  | 2 952     |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item   | Johnson | Jones  | Keokuk | Kossuth | Lee    | Linn   | Louisa | Lucas  |
|--|---------|--------|--------|---------|--------|--------|--------|--------|
| Total farm production expenses ----- farms, 1987..   | 1 356   | 1 161  | 1 036  | 1 717   | 989    | 1 698  | 635    | 691    |
| ----- \$1,000, 1987..  | 73 709  | 93 079 | 62 938 | 123 769 | 44 558 | 77 724 | 33 806 | 19 456 |
| Average per farm ----- dollars, 1987..   | 54 357  | 80 171 | 60 751 | 72 084  | 45 053 | 46 045 | 53 238 | 28 156 |
| Livestock and poultry purchased ----- farms, 1987..  | 601     | 649    | 418    | 657     | 340    | 626    | 227    | 238    |
| ----- 1982..   | 713     | 718    | 518    | 828     | 458    | 755    | 260    | 354    |
| ----- \$1,000, 1987..  | 11 232  | 24 464 | 7 785  | 18 591  | 7 694  | 12 303 | 3 058  | 1 823  |
| ----- 1982..   | 10 886  | 16 456 | 9 665  | 25 219  | 8 546  | 10 442 | 3 607  | 3 727  |
| Feed for livestock and poultry ----- farms, 1987..   | 844     | 848    | 699    | 841     | 575    | 951    | 306    | 413    |
| ----- 1982..   | 1 054   | 1 073  | 886    | 1 033   | 686    | 1 076  | 423    | 550    |
| ----- \$1,000, 1987..  | 17 648  | 16 609 | 10 690 | 17 404  | 7 721  | 9 671  | 3 957  | 3 339  |
| ----- 1982..   | 17 650  | 13 756 | 15 517 | 22 413  | 9 225  | 8 602  | 5 095  | 4 245  |
| Commercially mixed formula feeds ----- farms, 1987..   | 521     | 481    | 281    | 410     | 288    | 495    | 136    | 196    |
| ----- 1982..   | 596     | 580    | 407    | 533     | 350    | 586    | 226    | 212    |
| ----- \$1,000, 1987..  | 10 510  | 6 767  | 4 269  | 6 738   | 2 988  | 3 476  | 1 479  | 920    |
| ----- 1982..   | 10 152  | 7 465  | 6 859  | 10 460  | 4 334  | 4 661  | 2 031  | 1 597  |
| Seeds, bulbs, plants, and trees ----- farms, 1987..  | 1 104   | 1 002  | 859    | 1 596   | 850    | 1 421  | 572    | 504    |
| ----- 1982..   | 1 304   | 1 111  | 1 025  | 1 738   | 894    | 1 573  | 624    | 583    |
| ----- \$1,000, 1987..  | 3 158   | 3 474  | 3 278  | 6 717   | 2 209  | 4 254  | 2 194  | 1 033  |
| ----- 1982..   | 3 293   | 3 393  | 3 097  | 6 985   | 2 051  | 4 173  | 2 439  | 939    |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..   | 1 006   | 928    | 825    | 1 547   | 787    | 1 243  | 563    | 478    |
| ----- 1982..   | 1 105   | 1 026  | 837    | 1 518   | 811    | 1 350  | 566    | 431    |
| ----- \$1,000, 1987..  | 5 091   | 5 934  | 6 144  | 10 184  | 3 855  | 5 911  | 3 456  | 1 692  |
| ----- 1982..   | 6 670   | 8 135  | 6 553  | 11 094  | 4 378  | 7 961  | 4 577  | 1 769  |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..  | 1 059   | 923    | 852    | 1 600   | 826    | 1 342  | 582    | 501    |
| ----- 1982..   | 1 062   | 1 026  | 909    | 1 545   | 794    | 1 357  | 616    | 446    |
| ----- \$1,000, 1987..  | 3 500   | 3 279  | 3 967  | 6 507   | 2 417  | 3 751  | 2 449  | 838    |
| ----- 1982..   | 3 738   | 3 880  | 3 799  | 6 911   | 2 453  | 4 791  | 2 549  | 1 023  |
| Petroleum products ----- farms, 1987..   | 1 295   | 1 126  | 986    | 1 665   | 955    | 1 617  | 617    | 641    |
| ----- 1982..   | 1 493   | 1 307  | 1 193  | 1 895   | 1 060  | 1 788  | 699    | 769    |
| ----- \$1,000, 1987..  | 3 496   | 3 814  | 3 774  | 7 143   | 2 207  | 3 971  | 2 016  | 1 200  |
| ----- 1982..   | 5 723   | 6 150  | 5 831  | 12 529  | 4 015  | 6 417  | 3 412  | 2 132  |
| Gasoline and gasohol ----- farms, 1987..   | 1 111   | 995    | 791    | 1 417   | 840    | 1 474  | 512    | 570    |
| ----- 1982..   | 1 359   | 1 240  | 1 018  | 1 804   | 1 025  | 1 669  | 638    | 722    |
| ----- \$1,000, 1987..  | 1 110   | 1 451  | 1 022  | 2 144   | 854    | 1 442  | 597    | 521    |
| ----- 1982..   | 2 145   | 2 429  | 1 864  | 4 229   | 1 591  | 2 374  | 1 038  | 1 011  |
| Diesel fuel ----- farms, 1987..  | 925     | 719    | 746    | 1 472   | 644    | 1 068  | 463    | 324    |
| ----- 1982..   | 994     | 850    | 890    | 1 578   | 678    | 988    | 559    | 400    |
| ----- \$1,000, 1987..  | 1 476   | 1 356  | 1 712  | 3 322   | 929    | 1 558  | 903    | 464    |
| ----- 1982..   | 2 052   | 2 028  | 2 276  | 4 858   | 1 333  | 2 174  | 1 399  | 755    |
| Natural gas ----- farms, 1987..  | 51      | 63     | 54     | 127     | 33     | 79     | 24     | 15     |
| ----- 1982..   | 41      | 35     | 27     | 36      | 39     | 58     | 23     | 3      |
| ----- \$1,000, 1987..  | 52      | 48     | 95     | 180     | 37     | 64     | 34     | 17     |
| ----- 1982..   | 42      | 47     | 48     | 59      | 59     | 143    | 21     | (D)    |
| LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..                          | 1 108   | 954    | 860    | 1 571   | 740    | 1 379  | 543    | 500    |
| ----- 1982..   | (NA)    | (NA)   | (NA)   | (NA)    | (NA)   | (NA)   | (NA)   | (NA)   |
| ----- \$1,000, 1987..  | 857     | 959    | 945    | 1 498   | 387    | 907    | 483    | 197    |
| ----- 1982..   | 1 484   | 1 646  | 1 643  | 3 382   | 1 032  | 1 728  | 955    | (D)    |
| Electricity ----- farms, 1987..  | 1 175   | 1 032  | 866    | 1 520   | 851    | 1 401  | 555    | 558    |
| ----- 1982..   | 1 155   | 1 129  | 1 000  | 1 693   | 855    | 1 443  | 523    | 543    |
| ----- \$1,000, 1987..  | 1 363   | 1 535  | 1 160  | 2 280   | 873    | 1 601  | 555    | 378    |
| ----- 1982..   | 1 258   | 1 470  | 1 280  | 2 495   | 734    | 1 524  | 638    | 500    |
| Hired farm labor ----- farms, 1987..   | 557     | 497    | 439    | 1 006   | 309    | 674    | 230    | 244    |
| ----- 1982..   | 524     | 524    | 405    | 861     | 339    | 651    | 264    | 210    |
| ----- \$1,000, 1987..  | 3 196   | 3 182  | 2 661  | 5 156   | 1 689  | 4 045  | 1 757  | 653    |
| ----- 1982..   | 2 390   | 2 424  | 1 587  | 3 952   | 1 497  | 2 609  | 1 131  | 332    |
| Contract labor ----- farms, 1987..   | 93      | 95     | 51     | 120     | 78     | 131    | 36     | 32     |
| ----- 1982..   | 67      | 42     | 25     | 80      | 31     | 65     | 14     | 10     |
| ----- \$1,000, 1987..  | 200     | 182    | 147    | 255     | 89     | 350    | 108    | 22     |
| ----- 1982..   | 466     | 87     | 109    | 121     | 86     | 157    | 96     | 21     |
| Repair and maintenance ----- farms, 1987..   | 1 162   | 989    | 904    | 1 541   | 872    | 1 432  | 553    | 563    |
| ----- \$1,000, 1987..  | 4 530   | 5 101  | 4 271  | 8 157   | 2 951  | 5 060  | 2 354  | 1 626  |
| Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987.. | 735     | 719    | 562    | 943     | 410    | 914    | 279    | 354    |
| ----- 1982..   | 754     | 775    | 472    | 819     | 493    | 883    | 363    | 320    |
| ----- \$1,000, 1987..  | 1 557   | 1 852  | 1 018  | 2 255   | 675    | 2 072  | 840    | 598    |
| ----- 1982..   | 1 355   | 1 597  | 880    | 1 873   | 812    | 1 863  | 679    | 509    |
| Interest paid <sup>3</sup> ----- farms, 1987..   | 777     | 717    | 638    | 1 134   | 533    | 901    | 396    | 373    |
| ----- 1982..   | 974     | 893    | 777    | 1 354   | 572    | 1 015  | 490    | 413    |
| ----- \$1,000, 1987..  | 6 201   | 8 121  | 5 762  | 11 924  | 4 238  | 8 121  | 4 005  | 2 055  |
| ----- 1982..   | 9 749   | 12 404 | 11 334 | 20 739  | 5 817  | 10 875 | 6 348  | 4 127  |
| Interest paid on debt: ----- farms, 1987..   | 496     | 414    | 467    | 727     | 413    | 714    | 243    | 251    |
| Secured by real estate ----- \$1,000, 1987..   | 4 027   | 4 901  | 4 000  | 8 675   | 3 103  | 5 870  | 2 955  | 1 475  |
| Not secured by real estate ----- farms, 1987..   | 483     | 453    | 335    | 720     | 275    | 432    | 259    | 215    |
| ----- \$1,000, 1987..  | 2 174   | 3 220  | 1 762  | 3 250   | 1 135  | 2 251  | 1 051  | 580    |
| Cash rent ----- farms, 1987..  | 423     | 521    | 380    | 991     | 248    | 604    | 258    | 179    |
| ----- \$1,000, 1987..  | 4 264   | 6 524  | 4 614  | 13 687  | 2 245  | 6 851  | 2 755  | 1 186  |
| Property taxes paid ----- farms, 1987..  | 1 198   | 945    | 901    | 1 328   | 940    | 1 427  | 505    | 584    |
| ----- \$1,000, 1987..  | 3 204   | 2 789  | 2 821  | 3 648   | 2 330  | 3 963  | 1 651  | 1 098  |
| All other farm production expenses ----- farms, 1987..   | 1 282   | 1 100  | 1 014  | 1 677   | 929    | 1 602  | 617    | 645    |
| ----- \$1,000, 1987..  | 5 070   | 6 209  | 4 845  | 9 859   | 3 365  | 5 801  | 2 657  | 1 917  |

See footnotes at end of table.



**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item   | Lyon   | Madison | Mahaska | Marion | Marshall | Mills  | Mitchell | Monona |
|--|--------|---------|---------|--------|----------|--------|----------|--------|
| Total farm production expenses ----- farms, 1987 ..  | 1 234  | 1 059   | 1 193   | 1 131  | 1 072    | 641    | 939      | 853    |
| \$1,000, 1987 ..   | 99 059 | 44 124  | 80 835  | 45 506 | 67 296   | 37 000 | 72 394   | 55 454 |
| Average per farm ----- dollars, 1987 ..  | 80 275 | 41 666  | 67 758  | 40 235 | 62 776   | 57 722 | 77 097   | 65 011 |
| Livestock and poultry purchased ----- farms, 1987 ..   | 767    | 455     | 603     | 417    | 438      | 206    | 512      | 311    |
| 1982 ..  | 834    | 489     | 679     | 573    | 483      | 313    | 501      | 385    |
| \$1,000, 1987 ..   | 33 013 | 4 680   | 18 528  | 5 734  | 11 583   | 8 069  | 14 561   | 12 163 |
| 1982 ..  | 35 397 | 8 031   | 18 278  | 7 598  | 10 605   | 11 749 | 14 092   | 14 438 |
| Feed for livestock and poultry ----- farms, 1987 ..  | 872    | 696     | 836     | 663    | 589      | 279    | 642      | 399    |
| 1982 ..  | 1 032  | 830     | 955     | 780    | 746      | 428    | 669      | 522    |
| \$1,000, 1987 ..   | 18 788 | 9 621   | 15 660  | 7 637  | 8 450    | 4 481  | 14 608   | 4 751  |
| 1982 ..  | 20 860 | 7 051   | 19 733  | 10 742 | 10 917   | 5 763  | 13 583   | 6 670  |
| Commercially mixed formula feeds ----- farms, 1987 ..  | 497    | 377     | 443     | 396    | 272      | 134    | 417      | 169    |
| 1982 ..  | 596    | 368     | 464     | 344    | 360      | 176    | 408      | 262    |
| \$1,000, 1987 ..   | 8 935  | 6 983   | 7 097   | 3 850  | 2 831    | 2 669  | 7 802    | 1 546  |
| 1982 ..  | 9 300  | 3 625   | 8 064   | 5 087  | 4 615    | 2 164  | 7 402    | 3 070  |
| Seeds, bulbs, plants, and trees ----- farms, 1987 ..   | 1 106  | 752     | 1 053   | 935    | 848      | 593    | 737      | 770    |
| 1982 ..  | 1 254  | 848     | 1 087   | 954    | 996      | 569    | 908      | 774    |
| \$1,000, 1987 ..   | 3 507  | 1 874   | 3 287   | 2 640  | 3 727    | 2 192  | 3 003    | 3 572  |
| 1982 ..  | 3 369  | 1 917   | 3 164   | 2 373  | 3 450    | 2 085  | 3 394    | 3 193  |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987 ..  | 1 017  | 674     | 1 023   | 840    | 781      | 551    | 663      | 744    |
| 1982 ..  | 1 081  | 698     | 883     | 761    | 897      | 524    | 792      | 761    |
| \$1,000, 1987 ..   | 4 807  | 2 638   | 4 882   | 3 135  | 4 790    | 3 246  | 4 236    | 5 768  |
| 1982 ..  | 4 939  | 3 071   | 5 054   | 3 370  | 6 244    | 4 294  | 4 826    | 6 652  |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987 ..   | 1 072  | 725     | 974     | 841    | 873      | 608    | 715      | 743    |
| 1982 ..  | 1 034  | 771     | 991     | 812    | 906      | 531    | 829      | 730    |
| \$1,000, 1987 ..   | 2 947  | 2 001   | 3 592   | 2 361  | 3 915    | 2 161  | 3 243    | 3 656  |
| 1982 ..  | 2 991  | 2 235   | 3 035   | 2 242  | 4 301    | 2 813  | 3 424    | 3 551  |
| Petroleum products ----- farms, 1987 ..  | 1 192  | 1 020   | 1 136   | 1 075  | 1 029    | 607    | 880      | 830    |
| 1982 ..  | 1 368  | 1 133   | 1 265   | 1 205  | 1 189    | 666    | 1 004    | 926    |
| \$1,000, 1987 ..   | 3 751  | 2 017   | 3 469   | 2 428  | 3 428    | 1 856  | 3 354    | 3 124  |
| 1982 ..  | 5 783  | 3 746   | 5 699   | 4 122  | 5 743    | 3 491  | 5 423    | 4 638  |
| Gasoline and gasohol ----- farms, 1987 ..  | 1 077  | 865     | 961     | 983    | 945      | 517    | 782      | 740    |
| 1982 ..  | 1 287  | 1 085   | 1 178   | 1 112  | 1 092    | 578    | 934      | 885    |
| \$1,000, 1987 ..   | 1 251  | 704     | 1 049   | 750    | 1 165    | 621    | 1 068    | 1 069  |
| 1982 ..  | 2 258  | 1 618   | 1 957   | 1 826  | 1 902    | 1 049  | 1 836    | 1 714  |
| Diesel fuel ----- farms, 1987 ..   | 1 054  | 614     | 899     | 647    | 796      | 453    | 612      | 607    |
| 1982 ..  | 1 101  | 589     | 903     | 694    | 733      | 461    | 718      | 660    |
| \$1,000, 1987 ..   | 1 727  | 884     | 1 550   | 1 084  | 1 444    | 935    | 1 300    | 1 659  |
| 1982 ..  | 2 252  | 1 202   | 2 116   | 1 392  | 1 985    | 1 719  | 1 682    | 2 216  |
| Natural gas ----- farms, 1987 ..   | 64     | 51      | 35      | 60     | 49       | 24     | 46       | 26     |
| 1982 ..  | 55     | 43      | 21      | 26     | 24       | 27     | 8        | 30     |
| \$1,000, 1987 ..   | 65     | 29      | 106     | 93     | 68       | 13     | 59       | 11     |
| 1982 ..  | 68     | 29      | 88      | 90     | 92       | 28     | 3        | 63     |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987 ..                          | 1 114  | 717     | 986     | 893    | 876      | 551    | 795      | 724    |
| 1982 ..  | (NA)   | (NA)    | (NA)    | (NA)   | (NA)     | (NA)   | (NA)     | (NA)   |
| \$1,000, 1987 ..   | 708    | 399     | 764     | 501    | 751      | 286    | 927      | 386    |
| 1982 ..  | 1 205  | 897     | 1 539   | 823    | 1 764    | 696    | 1 901    | 645    |
| Electricity ----- farms, 1987 ..   | 1 074  | 907     | 1 004   | 930    | 919      | 499    | 833      | 686    |
| 1982 ..  | 1 172  | 857     | 1 056   | 900    | 999      | 540    | 816      | 739    |
| \$1,000, 1987 ..   | 1 597  | 922     | 1 858   | 1 168  | 1 474    | 698    | 1 314    | 986    |
| 1982 ..  | 1 480  | 714     | 1 790   | 1 083  | 1 328    | (D)    | 1 226    | 1 077  |
| Hired farm labor ----- farms, 1987 ..  | 599    | 412     | 496     | 566    | 524      | 260    | 427      | 435    |
| 1982 ..  | 746    | 390     | 479     | 475    | 551      | 240    | 474      | 330    |
| \$1,000, 1987 ..   | 3 008  | 2 900   | 3 941   | 2 949  | 4 109    | 1 629  | 2 864    | 2 202  |
| 1982 ..  | 2 421  | 1 163   | 2 822   | 1 770  | 3 182    | 1 096  | 1 817    | 1 535  |
| Contract labor ----- farms, 1987 ..  | 100    | 81      | 93      | 60     | 68       | 32     | 59       | 141    |
| 1982 ..  | 18     | 35      | 40      | 59     | 20       | 44     | 37       | 89     |
| \$1,000, 1987 ..   | 176    | 496     | 265     | 153    | 124      | 121    | 128      | 315    |
| 1982 ..  | 24     | 34      | 97      | 98     | 185      | 92     | 71       | 135    |
| Repair and maintenance ----- farms, 1987 ..  | 1 038  | 890     | 1 041   | 974    | 938      | 508    | 850      | 723    |
| \$1,000, 1987 ..   | 4 580  | 3 366   | 4 669   | 3 108  | 4 297    | 2 436  | 4 161    | 3 483  |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987 .. | 782    | 503     | 616     | 600    | 609      | 376    | 555      | 527    |
| 1982 ..  | 732    | 556     | 613     | 522    | 606      | 327    | 512      | 455    |
| \$1,000, 1987 ..   | 1 216  | 690     | 1 366   | 1 110  | 1 428    | 1 244  | 1 655    | 1 416  |
| 1982 ..  | 1 981  | 748     | 1 359   | 789    | 1 741    | 1 250  | 1 219    | 1 172  |
| Interest paid <sup>3</sup> ----- farms, 1987 ..  | 845    | 704     | 763     | 702    | 678      | 413    | 617      | 497    |
| 1982 ..  | 975    | 762     | 796     | 688    | 765      | 497    | 711      | 622    |
| \$1,000, 1987 ..   | 6 956  | 3 558   | 7 013   | 4 343  | 5 667    | 2 959  | 6 606    | 3 968  |
| 1982 ..  | 10 794 | 6 919   | 10 804  | 5 601  | 10 590   | 5 278  | 9 385    | 8 840  |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987 ..                                | 522    | 411     | 516     | 501    | 385      | 258    | 469      | 325    |
| \$1,000, 1987 ..   | 4 114  | 2 587   | 4 401   | 2 864  | 3 616    | 1 891  | 4 758    | 2 387  |
| farms, 1987 ..   | 615    | 420     | 445     | 456    | 455      | 259    | 417      | 315    |
| \$1,000, 1987 ..   | 2 842  | 971     | 2 611   | 1 479  | 2 050    | 1 069  | 1 848    | 1 581  |
| Cash rent ----- farms, 1987 ..   | 646    | 314     | 389     | 328    | 382      | 176    | 356      | 267    |
| \$1,000, 1987 ..   | 6 182  | 2 435   | 4 200   | 2 697  | 6 596    | 1 824  | 5 554    | 3 927  |
| Property taxes paid ----- farms, 1987 ..   | 923    | 935     | 1 019   | 957    | 899      | 543    | 840      | 726    |
| \$1,000, 1987 ..   | 1 856  | 2 000   | 2 774   | 2 153  | 2 593    | 1 512  | 2 274    | 1 984  |
| All other farm production expenses ----- farms, 1987 ..  | 1 233  | 1 030   | 1 159   | 1 052  | 1 047    | 606    | 888      | 822    |
| \$1,000, 1987 ..   | 6 675  | 4 928   | 5 333   | 3 889  | 5 117    | 2 571  | 4 833    | 4 140  |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item   | Monroe | Montgomery | Muscatine | O'Brien | Osceola | Page   | Palo Alto | Plymouth |
|--|--------|------------|-----------|---------|---------|--------|-----------|----------|
| Total farm production expenses ----- farms, 1987 ..  | 736    | 701        | 900       | 1 233   | 731     | 1 014  | 934       | 1 740    |
| \$1,000, 1987 ..   | 24 993 | 39 898     | 45 873    | 114 485 | 52 776  | 52 150 | 64 467    | 134 679  |
| Average per farm ----- dollars, 1987 ..  | 33 958 | 56 916     | 50 970    | 92 850  | 72 197  | 51 430 | 69 022    | 77 402   |
| Livestock and poultry purchased ----- farms, 1987 ..   | 254    | 323        | 360       | 542     | 326     | 423    | 401       | 1 044    |
| 1982 ..  | 367    | 354        | 452       | 671     | 388     | 508    | 371       | 1 078    |
| \$1,000, 1987 ..   | 4 555  | 8 825      | 5 730     | 35 703  | 12 450  | 9 214  | 12 055    | 42 134   |
| 1982 ..  | 6 722  | 10 581     | 8 563     | 41 014  | 18 420  | 13 044 | 13 097    | 41 027   |
| Feed for livestock and poultry ----- farms, 1987 ..  | 506    | 507        | 506       | 689     | 418     | 643    | 472       | 1 271    |
| 1982 ..  | 521    | 511        | 653       | 866     | 522     | 749    | 536       | 1 437    |
| \$1,000, 1987 ..   | 3 782  | 5 121      | 6 003     | 21 665  | 9 134   | 5 991  | 8 905     | 25 414   |
| 1982 ..  | 4 921  | 5 182      | 6 002     | 25 156  | 12 046  | 7 624  | 10 025    | 28 340   |
| Commercially mixed formula feeds ----- farms, 1987 ..  | 212    | 235        | 265       | 324     | 167     | 282    | 220       | 648      |
| 1982 ..  | 183    | 286        | 325       | 443     | 272     | 377    | 272       | 667      |
| \$1,000, 1987 ..   | 1 497  | 2 294      | 2 357     | 7 121   | 3 194   | 2 174  | 2 268     | 8 580    |
| 1982 ..  | 2 649  | 2 232      | 3 423     | 6 633   | 4 254   | 3 029  | 4 584     | 9 041    |
| Seeds, bulbs, plants, and trees ----- farms, 1987 ..   | 566    | 559        | 752       | 1 138   | 645     | 894    | 883       | 1 426    |
| 1982 ..  | 545    | 604        | 882       | 1 178   | 737     | 870    | 912       | 1 640    |
| \$1,000, 1987 ..   | 1 107  | 2 307      | 2 399     | 4 297   | 2 375   | 4 483  | 3 590     | 4 810    |
| 1982 ..  | 771    | 2 121      | 2 547     | 3 755   | 3 031   | 2 519  | 3 956     | 5 009    |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987 ..  | 488    | 572        | 671       | 1 016   | 639     | 809    | 845       | 1 385    |
| 1982 ..  | 414    | 514        | 786       | 1 039   | 673     | 750    | 805       | 1 418    |
| \$1,000, 1987 ..   | 1 899  | 3 455      | 4 109     | 6 726   | 3 300   | 3 459  | 5 608     | 7 086    |
| 1982 ..  | 1 537  | 3 253      | 5 486     | 6 142   | 4 302   | 3 659  | 6 310     | 8 608    |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987 ..   | 545    | 569        | 714       | 1 084   | 664     | 880    | 860       | 1 456    |
| 1982 ..  | 432    | 532        | 797       | 1 095   | 628     | 729    | 773       | 1 441    |
| \$1,000, 1987 ..   | 1 042  | 2 232      | 2 716     | 3 739   | 2 251   | 2 524  | 3 529     | 4 484    |
| 1982 ..  | 765    | 2 518      | 3 000     | 3 761   | 2 596   | 2 354  | 3 650     | 4 630    |
| Petroleum products ----- farms, 1987 ..  | 727    | 679        | 888       | 1 210   | 706     | 954    | 914       | 1 655    |
| 1982 ..  | 761    | 769        | 995       | 1 337   | 833     | 1 041  | 1 015     | 1 874    |
| \$1,000, 1987 ..   | 1 461  | 2 334      | 2 478     | 4 260   | 2 454   | 2 361  | 3 409     | 4 976    |
| 1982 ..  | 1 758  | 3 816      | 4 528     | 5 791   | 5 093   | 4 076  | 6 018     | 9 116    |
| Gasoline and gasohol ----- farms, 1987 ..  | 594    | 552        | 769       | 1 039   | 617     | 829    | 805       | 1 483    |
| 1982 ..  | 723    | 671        | 920       | 1 262   | 777     | 964    | 949       | 1 759    |
| \$1,000, 1987 ..   | 704    | 728        | 780       | 1 382   | 806     | 935    | 1 118     | 1 915    |
| 1982 ..  | 750    | 1 318      | 1 584     | 1 990   | 1 661   | 1 453  | 1 759     | 3 516    |
| Diesel fuel ----- farms, 1987 ..   | 481    | 468        | 570       | 977     | 555     | 686    | 782       | 1 195    |
| 1982 ..  | 400    | 519        | 679       | 1 027   | 653     | 790    | 809       | 1 372    |
| \$1,000, 1987 ..   | 538    | 890        | 990       | 1 991   | 1 127   | 1 095  | 1 624     | 2 063    |
| 1982 ..  | 694    | 1 436      | 1 668     | 2 273   | 2 103   | 1 980  | 2 643     | 3 468    |
| Natural gas ----- farms, 1987 ..   | 9      | 73         | 63        | 35      | 24      | 19     | 66        | 103      |
| 1982 ..  | 45     | 30         | 56        | 50      | 18      | 6      | 35        | 42       |
| \$1,000, 1987 ..   | (D)    | 203        | 65        | 40      | 40      | 28     | 80        | 69       |
| 1982 ..  | 24     | 170        | 57        | 104     | 46      | 2      | 74        | 49       |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987 ..                          | 570    | 612        | 738       | 1 009   | 628     | 844    | 820       | 1 454    |
| 1982 ..  | (NA)   | (NA)       | (NA)      | (NA)    | (NA)    | (NA)   | (NA)      | (NA)     |
| \$1,000, 1987 ..   | (D)    | 414        | 643       | 848     | 481     | 303    | 588       | 930      |
| 1982 ..  | 290    | 893        | 1 218     | 1 424   | 1 282   | 661    | 1 542     | 2 083    |
| Electricity ----- farms, 1987 ..   | 586    | 613        | 756       | 1 083   | 624     | 884    | 835       | 1 513    |
| 1982 ..  | 554    | 822        | 809       | 1 087   | 696     | 891    | 868       | 1 551    |
| \$1,000, 1987 ..   | 412    | 829        | 922       | 1 923   | 907     | 949    | 1 168     | 2 429    |
| 1982 ..  | 410    | 759        | 1 031     | 1 613   | 983     | 1 047  | 1 205     | 2 589    |
| Hired farm labor ----- farms, 1987 ..  | 278    | 241        | 291       | 638     | 347     | 465    | 531       | 871      |
| 1982 ..  | 201    | 260        | 362       | 666     | 325     | 326    | 569       | 901      |
| \$1,000, 1987 ..   | 810    | 1 946      | 2 326     | 3 489   | 1 731   | 4 783  | 2 630     | 3 807    |
| 1982 ..  | 484    | 1 378      | 2 394     | 2 819   | 1 235   | 3 997  | 2 521     | 3 057    |
| Contract labor ----- farms, 1987 ..  | 18     | 44         | 32        | 67      | 35      | 52     | 108       | 183      |
| 1982 ..  | 4      | 5          | 24        | 15      | 39      | 11     | 29        | 84       |
| \$1,000, 1987 ..   | 33     | 109        | 48        | 496     | 104     | 105    | 219       | 398      |
| 1982 ..  | (D)    | 19         | 52        | 13      | 54      | 8      | 153       | 127      |
| Repair and maintenance ----- farms, 1987 ..  | 616    | 631        | 752       | 1 028   | 650     | 899    | 886       | 1 515    |
| \$1,000, 1987 ..   | 1 574  | 2 748      | 2 891     | 5 068   | 3 163   | 3 038  | 4 234     | 7 167    |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987 .. | 303    | 428        | 405       | 756     | 395     | 640    | 474       | 1 014    |
| 1982 ..  | 371    | 400        | 469       | 739     | 356     | 538    | 447       | 1 068    |
| \$1,000, 1987 ..   | 557    | 991        | 1 044     | 1 581   | 1 104   | 1 550  | 1 517     | 2 389    |
| 1982 ..  | 483    | 905        | 867       | 1 470   | 656     | 1 130  | 1 219     | 2 533    |
| Interest paid <sup>3</sup> ----- farms, 1987 ..  | 401    | 435        | 567       | 843     | 468     | 639    | 653       | 1 155    |
| 1982 ..  | 440    | 479        | 578       | 942     | 626     | 681    | 726       | 1 280    |
| \$1,000, 1987 ..   | 2 632  | 2 808      | 5 238     | 8 397   | 3 895   | 4 392  | 6 023     | 8 381    |
| 1982 ..  | 4 254  | 6 763      | 7 622     | 13 569  | 10 959  | 8 473  | 10 769    | 16 368   |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987 ..                                | 295    | 242        | 394       | 582     | 277     | 405    | 407       | 783      |
| \$1,000, 1987 ..   | 1 841  | 1 862      | 3 410     | 5 685   | 2 485   | 2 363  | 4 334     | 5 552    |
| Not secured by real estate ----- farms, 1987 ..  | 203    | 287        | 328       | 512     | 350     | 369    | 369       | 697      |
| \$1,000, 1987 ..   | 792    | 946        | 1 827     | 2 712   | 1 410   | 2 009  | 1 689     | 2 829    |
| Cash rent ----- farms, 1987 ..   | 174    | 210        | 400       | 673     | 395     | 332    | 420       | 928      |
| \$1,000, 1987 ..   | 1 556  | 1 941      | 4 072     | 7 484   | 5 016   | 2 433  | 4 752     | 9 363    |
| Property taxes paid ----- farms, 1987 ..   | 686    | 574        | 724       | 1 014   | 582     | 888    | 749       | 1 439    |
| \$1,000, 1987 ..   | 1 338  | 1 429      | 2 155     | 2 282   | 1 237   | 2 194  | 2 327     | 2 970    |
| All other farm production expenses ----- farms, 1987 ..  | 712    | 685        | 872       | 1 203   | 726     | 981    | 929       | 1 701    |
| \$1,000, 1987 ..   | 2 236  | 2 823      | 3 743     | 7 373   | 3 654   | 4 675  | 4 499     | 8 873    |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Pocahontas | Polk   | Pottawattamie | Poweshiek | Ringgold | Sac    | Scott  | Shelby |
|---|------------|--------|---------------|-----------|----------|--------|--------|--------|
| Total farm production expenses ----- farms, 1987..  | 987        | 1 001  | 1 651         | 1 047     | 701      | 1 035  | 973    | 1 177  |
| ----- \$1,000, 1987..   | 67 692     | 38 065 | 109 389       | 57 113    | 28 010   | 97 631 | 65 076 | 79 578 |
| Average per farm ----- dollars, 1987..  | 68 584     | 38 027 | 66 256        | 54 549    | 39 957   | 94 329 | 66 881 | 67 611 |
| Livestock and poultry purchased ----- farms, 1987..   | 368        | 299    | 772           | 460       | 320      | 480    | 410    | 547    |
| ----- 1982..  | 420        | 368    | 864           | 575       | 350      | 563    | 487    | 672    |
| ----- \$1,000, 1987..   | 12 261     | 2 955  | 27 917        | 8 471     | 4 186    | 28 172 | 12 317 | 19 464 |
| ----- 1982..  | 15 467     | 4 626  | 47 497        | 10 562    | 6 223    | 33 949 | 12 641 | 24 235 |
| Feed for livestock and poultry ----- farms, 1987..  | 503        | 360    | 1 018         | 679       | 527      | 652    | 588    | 829    |
| ----- 1982..  | 513        | 592    | 1 226         | 817       | 588      | 809    | 743    | 1 006  |
| ----- \$1,000, 1987..   | 11 068     | 2 614  | 11 255        | 8 142     | 4 383    | 16 520 | 9 236  | 12 935 |
| ----- 1982..  | 9 632      | 4 025  | 18 174        | 10 011    | 5 170    | 22 309 | 13 197 | 14 480 |
| Commercially mixed formula feeds ----- farms, 1987..  | 271        | 139    | 396           | 276       | 162      | 331    | 379    | 366    |
| ----- 1982..  | 245        | 280    | 571           | 425       | 215      | 409    | 402    | 333    |
| ----- \$1,000, 1987..   | 3 950      | 1 181  | 3 767         | 3 553     | 1 596    | 6 043  | 4 087  | 4 488  |
| ----- 1982..  | 4 160      | 1 930  | 5 741         | 5 174     | 1 597    | 8 967  | 7 234  | 4 964  |
| Seeds, bulbs, plants, and trees ----- farms, 1987..   | 924        | 757    | 1 349         | 884       | 541      | 880    | 794    | 1 028  |
| ----- 1982..  | 1 025      | 825    | 1 549         | 989       | 644      | 1 023  | 962    | 1 169  |
| ----- \$1,000, 1987..   | 3 738      | 2 961  | 5 476         | 3 072     | 1 319    | 3 486  | 3 267  | 3 363  |
| ----- 1982..  | 4 353      | 2 694  | 5 262         | 2 989     | 1 345    | 4 057  | 3 496  | 3 458  |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..  | 862        | 687    | 1 247         | 810       | 515      | 817    | 723    | 989    |
| ----- 1982..  | 921        | 732    | 1 340         | 897       | 569      | 867    | 858    | 1 048  |
| ----- \$1,000, 1987..   | 5 255      | 4 227  | 7 931         | 4 813     | 2 169    | 5 015  | 4 645  | 5 904  |
| ----- 1982..  | 6 236      | 3 998  | 10 219        | 5 724     | 3 128    | 6 889  | 7 412  | 6 182  |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..   | 872        | 726    | 1 318         | 900       | 515      | 838    | 816    | 1 021  |
| ----- 1982..  | 953        | 761    | 1 326         | 888       | 604      | 915    | 841    | 998    |
| ----- \$1,000, 1987..   | 3 481      | 2 564  | 6 264         | 3 040     | 1 420    | 3 495  | 3 301  | 3 345  |
| ----- 1982..  | 4 105      | 2 733  | 6 139         | 2 919     | 1 669    | 4 044  | 4 190  | 2 936  |
| Petroleum products ----- farms, 1987..  | 965        | 945    | 1 583         | 1 020     | 682      | 986    | 929    | 1 112  |
| ----- 1982..  | 1 105      | 1 098  | 1 828         | 1 152     | 776      | 1 132  | 1 097  | 1 317  |
| ----- \$1,000, 1987..   | 3 319      | 2 202  | 5 497         | 3 087     | 1 707    | 3 681  | 3 319  | 3 703  |
| ----- 1982..  | 6 147      | 3 406  | 9 275         | 5 302     | 3 243    | 6 907  | 5 143  | 5 909  |
| Gasoline and gasohol ----- farms, 1987..  | 815        | 759    | 1 345         | 892       | 555      | 913    | 815    | 1 033  |
| ----- 1982..  | 994        | 933    | 1 692         | 1 064     | 738      | 1 050  | 1 014  | 1 204  |
| ----- \$1,000, 1987..   | 1 007      | 605    | 1 679         | 1 056     | 609      | 1 227  | 1 059  | 1 326  |
| ----- 1982..  | 1 899      | 1 081  | 2 936         | 2 044     | 1 287    | 2 502  | 1 577  | 2 061  |
| Diesel fuel ----- farms, 1987..   | 806        | 566    | 1 175         | 748       | 440      | 739    | 696    | 830    |
| ----- 1982..  | 959        | 636    | 1 255         | 806       | 490      | 805    | 795    | 1 031  |
| ----- \$1,000, 1987..   | 1 557      | 1 114  | 2 665         | 1 344     | 785      | 1 731  | 1 278  | 1 571  |
| ----- 1982..  | 2 849      | 1 349  | 4 045         | 1 896     | 1 251    | 2 871  | 1 979  | 2 341  |
| Natural gas ----- farms, 1987..   | 98         | 43     | 76            | 51        | 11       | 49     | 33     | 85     |
| ----- 1982..  | 33         | 30     | 57            | 38        | 5        | 13     | 46     | 39     |
| ----- \$1,000, 1987..   | 96         | 49     | 229           | 58        | 19       | 47     | 90     | 146    |
| ----- 1982..  | 51         | 111    | 137           | 38        | 1        | 31     | 64     | 76     |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987..                          | 899        | 679    | 1 341         | 905       | 585      | 884    | 762    | 1 058  |
| ----- 1982..  | (NA)       | (NA)   | (NA)          | (NA)      | (NA)     | (NA)   | (NA)   | (NA)   |
| ----- \$1,000, 1987..   | 659        | 434    | 925           | 628       | 293      | 676    | 892    | 660    |
| ----- 1982..  | 1 349      | 865    | 2 157         | 1 323     | 704      | 1 503  | 1 522  | 1 431  |
| Electricity ----- farms, 1987..   | 864        | 729    | 1 408         | 889       | 625      | 941    | 809    | 1 084  |
| ----- 1982..  | 906        | 780    | 1 517         | 973       | 650      | 1 013  | 935    | 1 127  |
| ----- \$1,000, 1987..   | 1 211      | 602    | 2 183         | 1 098     | 584      | 1 475  | 1 133  | 1 737  |
| ----- 1982..  | 1 249      | 634    | 2 096         | 1 261     | 689      | 1 727  | 1 368  | 1 841  |
| Hired farm labor ----- farms, 1987..  | 516        | 368    | 680           | 420       | 207      | 566    | 360    | 599    |
| ----- 1982..  | 514        | 421    | 755           | 471       | 339      | 542    | 441    | 526    |
| ----- \$1,000, 1987..   | 2 176      | 2 756  | 5 261         | 2 452     | 1 173    | 5 331  | 2 375  | 2 282  |
| ----- 1982..  | 1 732      | 1 886  | 3 340         | 2 017     | 1 004    | 3 031  | 2 421  | 2 193  |
| Contract labor ----- farms, 1987..  | 40         | 112    | 148           | 56        | 35       | 102    | 77     | 95     |
| ----- 1982..  | 10         | 53     | 74            | 34        | 47       | 32     | 20     | 19     |
| ----- \$1,000, 1987..   | 109        | 615    | 495           | 229       | 108      | 344    | 203    | 171    |
| ----- 1982..  | 28         | 47     | 149           | 80        | 80       | 97     | 45     | 9      |
| Repair and maintenance ----- farms, 1987..  | 902        | 789    | 1 495         | 928       | 634      | 934    | 847    | 1 087  |
| ----- \$1,000, 1987..   | 4 197      | 2 606  | 6 759         | 4 733     | 2 285    | 5 217  | 3 426  | 5 263  |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987.. | 492        | 423    | 750           | 485       | 311      | 582    | 467    | 681    |
| ----- 1982..  | 461        | 529    | 849           | 514       | 332      | 589    | 530    | 614    |
| ----- \$1,000, 1987..   | 1 016      | 1 060  | 1 945         | 1 062     | 730      | 1 935  | 1 109  | 1 278  |
| ----- 1982..  | 1 172      | 946    | 1 918         | 992       | 488      | 1 504  | 947    | 1 081  |
| Interest paid <sup>3</sup> ----- farms, 1987..  | 702        | 458    | 1 042         | 596       | 415      | 766    | 541    | 809    |
| ----- 1982..  | 836        | 632    | 1 124         | 799       | 484      | 756    | 747    | 914    |
| ----- \$1,000, 1987..   | 6 569      | 3 410  | 9 200         | 5 358     | 2 877    | 7 497  | 7 224  | 5 838  |
| ----- 1982..  | 12 017     | 6 001  | 16 425        | 9 331     | 5 765    | 14 723 | 10 376 | 10 735 |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987..                                | 376        | 316    | 657           | 392       | 240      | 436    | 381    | 485    |
| ----- \$1,000, 1987..   | 3 963      | 2 460  | 5 553         | 3 719     | 2 094    | 4 664  | 5 137  | 3 316  |
| Not secured by real estate ----- farms, 1987..  | 434        | 257    | 697           | 378       | 255      | 577    | 343    | 557    |
| ----- \$1,000, 1987..   | 2 606      | 950    | 3 647         | 1 639     | 782      | 2 833  | 2 087  | 2 522  |
| Cash rent ----- farms, 1987..   | 427        | 262    | 619           | 418       | 242      | 465    | 473    | 585    |
| ----- \$1,000, 1987..   | 5 149      | 3 958  | 7 944         | 4 044     | 1 091    | 7 009  | 6 256  | 6 609  |
| Property taxes paid ----- farms, 1987..   | 732        | 866    | 1 361         | 860       | 571      | 828    | 820    | 946    |
| ----- \$1,000, 1987..   | 1 875      | 2 177  | 3 564         | 2 192     | 1 294    | 2 242  | 3 122  | 2 472  |
| All other farm production expenses ----- farms, 1987..  | 962        | 931    | 1 621         | 1 032     | 684      | 1 016  | 935    | 1 167  |
| ----- \$1,000, 1987..   | 6 270      | 3 360  | 7 698         | 5 320     | 2 684    | 6 213  | 4 142  | 5 215  |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Sioux   | Story  | Tama   | Taylor | Union  | Van Buren | Wapello | Warren |
|---|---------|--------|--------|--------|--------|-----------|---------|--------|
| Total farm production expenses ----- farms, 1987..  | 2 014   | 1 139  | 1 404  | 774    | 694    | 783       | 899     | 1 310  |
| \$1,000, 1987..   | 275 493 | 73 684 | 80 531 | 28 872 | 30 158 | 25 801    | 27 999  | 40 075 |
| Average per farm ----- dollars, 1987..  | 136 789 | 64 692 | 57 358 | 37 302 | 43 456 | 32 952    | 31 145  | 30 591 |
| Livestock and poultry purchased ----- farms, 1987..   | 1 260   | 363    | 607    | 302    | 282    | 244       | 354     | 496    |
| 1982..  | 1 320   | 472    | 735    | 328    | 359    | 293       | 391     | 468    |
| \$1,000, 1987..   | 115 970 | 13 361 | 11 351 | 3 591  | 7 814  | 3 002     | 4 480   | 5 877  |
| 1982..  | 104 102 | 10 791 | 14 351 | 4 298  | 5 479  | 3 221     | 4 004   | 4 505  |
| Feed for livestock and poultry ----- farms, 1987..  | 1 430   | 523    | 888    | 479    | 479    | 477       | 524     | 773    |
| 1982..  | 1 651   | 677    | 1 078  | 710    | 562    | 629       | 575     | 965    |
| \$1,000, 1987..   | 62 074  | 11 417 | 11 041 | 4 523  | 5 116  | 4 187     | 3 934   | 6 335  |
| 1982..  | 61 871  | 10 680 | 13 393 | 5 301  | 4 386  | 4 862     | 3 357   | 7 461  |
| Commercially mixed formula feeds ----- farms, 1987..  | 661     | 279    | 382    | 224    | 164    | 267       | 256     | 407    |
| 1982..  | 821     | 300    | 406    | 230    | 202    | 262       | 217     | 389    |
| \$1,000, 1987..   | 18 346  | 5 597  | 4 229  | 1 500  | 2 451  | 1 595     | 1 665   | 3 002  |
| 1982..  | 19 314  | 5 744  | 5 851  | 1 593  | 1 609  | 2 396     | 1 611   | 3 138  |
| Seeds, bulbs, plants, and trees ----- farms, 1987..   | 1 625   | 934    | 1 240  | 673    | 526    | 612       | 622     | 978    |
| 1982..  | 1 745   | 1 048  | 1 313  | 761    | 650    | 738       | 771     | 964    |
| \$1,000, 1987..   | 5 781   | 3 559  | 4 545  | 1 541  | 1 205  | 1 424     | 1 338   | 2 138  |
| 1982..  | 4 972   | 3 984  | 4 290  | 1 506  | 1 232  | 1 448     | 1 742   | 2 258  |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..  | 1 513   | 846    | 1 157  | 580    | 487    | 593       | 560     | 814    |
| 1982..  | 1 512   | 931    | 1 142  | 578    | 537    | 627       | 686     | 807    |
| \$1,000, 1987..   | 8 512   | 5 161  | 6 764  | 2 305  | 1 858  | 2 494     | 2 380   | 2 798  |
| 1982..  | 8 352   | 6 353  | 7 879  | 2 513  | 2 309  | 2 948     | 3 711   | 3 844  |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..   | 1 649   | 919    | 1 165  | 603    | 528    | 624       | 557     | 887    |
| 1982..  | 1 587   | 962    | 1 135  | 648    | 607    | 570       | 731     | 928    |
| \$1,000, 1987..   | 5 339   | 3 780  | 4 820  | 1 722  | 1 204  | 1 750     | 1 410   | 2 090  |
| 1982..  | 4 502   | 4 482  | 4 710  | 1 497  | 1 415  | 1 887     | 2 212   | 2 904  |
| Petroleum products ----- farms, 1987..  | 1 906   | 1 092  | 1 352  | 745    | 650    | 767       | 850     | 1 185  |
| 1982..  | 2 095   | 1 234  | 1 501  | 887    | 766    | 877       | 959     | 1 369  |
| \$1,000, 1987..   | 6 066   | 3 428  | 4 110  | 1 900  | 1 483  | 1 356     | 1 614   | 2 218  |
| 1982..  | 9 221   | 5 578  | 7 679  | 3 179  | 2 464  | 2 865     | 2 747   | 4 082  |
| Gasoline and gasohol ----- farms, 1987..  | 1 668   | 929    | 1 201  | 628    | 564    | 671       | 686     | 1 014  |
| 1982..  | 2 000   | 1 121  | 1 455  | 848    | 732    | 832       | 728     | 1 209  |
| \$1,000, 1987..   | 2 065   | 1 123  | 1 265  | 729    | 563    | 593       | 557     | 818    |
| 1982..  | 3 538   | 1 659  | 2 571  | 1 488  | 941    | 1 258     | 882     | 1 531  |
| Diesel fuel ----- farms, 1987..   | 1 418   | 737    | 1 009  | 453    | 448    | 398       | 455     | 616    |
| 1982..  | 1 555   | 825    | 1 097  | 521    | 385    | 496       | 602     | 683    |
| \$1,000, 1987..   | 2 847   | 1 555  | 1 695  | 839    | 615    | 522       | 741     | 944    |
| 1982..  | 3 610   | 2 118  | 2 585  | 1 149  | 660    | 1 006     | 1 197   | 1 584  |
| Natural gas ----- farms, 1987..   | 61      | 61     | 62     | 38     | 33     | 25        | 18      | 47     |
| 1982..  | 80      | 27     | 73     | 11     | 52     | 1         | 19      | 12     |
| \$1,000, 1987..   | 42      | 71     | 124    | 42     | 33     | 13        | 14      | 52     |
| 1982..  | 37      | 78     | 179    | 3      | 393    | (D)       | 7       | 10     |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987..                          | 1 651   | 869    | 1 175  | 600    | 529    | 607       | 632     | 889    |
| 1982..  | (NA)    | (NA)   | (NA)   | (NA)   | (NA)   | (NA)      | (NA)    | (NA)   |
| \$1,000, 1987..   | 1 112   | 680    | 1 026  | 290    | 271    | 228       | 302     | 403    |
| 1982..  | 2 037   | 1 723  | 2 344  | 539    | 470    | (D)       | 662     | 957    |
| Electricity ----- farms, 1987..   | 1 791   | 946    | 1 181  | 586    | 614    | 591       | 657     | 1 021  |
| 1982..  | 1 897   | 988    | 1 212  | 748    | 573    | 643       | 730     | 983    |
| \$1,000, 1987..   | 3 381   | 1 472  | 1 596  | 665    | (D)    | 566       | 457     | 845    |
| 1982..  | 3 493   | (D)    | 1 768  | 792    | 471    | 611       | 718     | 1 018  |
| Hired farm labor ----- farms, 1987..  | 1 212   | 538    | 636    | 331    | 260    | 259       | 320     | 444    |
| 1982..  | 1 057   | 505    | 588    | 251    | 261    | 265       | 302     | 453    |
| \$1,000, 1987..   | 10 046  | 4 302  | 3 771  | 1 077  | 1 178  | 1 276     | 1 104   | 2 246  |
| 1982..  | 5 436   | 3 460  | 2 902  | 945    | 928    | 995       | 891     | 2 131  |
| Contract labor ----- farms, 1987..  | 123     | 105    | 76     | 56     | 37     | 42        | 73      | 117    |
| 1982..  | 80      | 64     | 57     | 53     | 7      | 16        | 37      | 72     |
| \$1,000, 1987..   | 667     | 140    | 267    | 111    | (D)    | 64        | 134     | 376    |
| 1982..  | 172     | 99     | 74     | 68     | 6      | 26        | 14      | 244    |
| Repair and maintenance ----- farms, 1987..  | 1 705   | 1 039  | 1 209  | 698    | 569    | 673       | 706     | 1 070  |
| \$1,000, 1987..   | 8 941   | 4 803  | 5 435  | 2 360  | 1 619  | 1 962     | 2 124   | 2 854  |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987.. | 1 157   | 614    | 740    | 444    | 407    | 379       | 382     | 537    |
| 1982..  | 1 113   | 668    | 862    | 462    | 445    | 417       | 464     | 717    |
| \$1,000, 1987..   | 2 487   | 1 806  | 1 628  | 685    | 723    | 615       | 591     | 831    |
| 1982..  | 2 604   | 2 079  | 1 823  | 795    | 700    | 776       | 653     | 1 163  |
| Interest paid <sup>3</sup> ----- farms, 1987..  | 1 378   | 683    | 929    | 462    | 422    | 437       | 452     | 757    |
| 1982..  | 1 475   | 774    | 1 036  | 529    | 491    | 526       | 553     | 847    |
| \$1,000, 1987..   | 13 705  | 6 532  | 7 182  | 2 880  | 2 410  | 2 300     | 2 780   | 4 012  |
| 1982..  | 23 919  | 10 942 | 14 129 | 5 026  | 5 185  | 6 106     | 4 815   | 8 807  |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987..                                | 966     | 458    | 673    | 278    | 345    | 277       | 308     | 485    |
| \$1,000, 1987..   | 8 638   | 4 315  | 5 381  | 1 794  | 1 886  | 1 541     | 2 149   | 2 734  |
| Not secured by real estate ----- farms, 1987..  | 828     | 435    | 466    | 319    | 224    | 258       | 263     | 432    |
| \$1,000, 1987..   | 5 067   | 2 217  | 1 801  | 1 085  | 524    | 759       | 631     | 1 278  |
| Cash rent ----- farms, 1987..   | 1 061   | 452    | 596    | 212    | 189    | 119       | 226     | 223    |
| \$1,000, 1987..   | 14 423  | 5 915  | 8 746  | 1 288  | 1 133  | 875       | 2 013   | 1 884  |
| Property taxes paid ----- farms, 1987..   | 1 646   | 932    | 1 203  | 627    | 613    | 708       | 804     | 1 139  |
| \$1,000, 1987..   | 3 049   | 2 505  | 3 246  | 1 333  | 1 531  | 1 551     | 1 408   | 2 281  |
| All other farm production expenses ----- farms, 1987..  | 1 985   | 1 113  | 1 358  | 737    | 672    | 760       | 832     | 1 261  |
| \$1,000, 1987..   | 15 052  | 5 503  | 6 028  | 2 892  | 2 301  | 2 380     | 2 232   | 3 289  |

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

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

| Item  | Washington | Wayne  | Webster | Winnebago | Winneshiek | Woodbury | Worth  | Wright |
|---|------------|--------|---------|-----------|------------|----------|--------|--------|
| Total farm production expenses ----- farms, 1987..  | 1 157      | 742    | 1 235   | 742       | 1 633      | 1 361    | 667    | 882    |
| \$1,000, 1987..   | 83 690     | 26 097 | 72 827  | 44 526    | 86 449     | 98 327   | 44 646 | 58 845 |
| Average per farm ----- dollars, 1987..  | 72 333     | 35 172 | 58 969  | 60 008    | 52 939     | 72 246   | 66 936 | 66 717 |
| Livestock and poultry purchased ----- farms, 1987..   | 657        | 289    | 308     | 301       | 836        | 546      | 321    | 286    |
| 1982..  | 589        | 357    | 385     | 300       | 967        | 735      | 325    | 375    |
| \$1,000, 1987..   | 11 576     | 4 639  | 5 937   | 4 985     | 15 134     | 30 308   | 6 508  | 7 223  |
| 1982..  | 11 757     | 4 722  | 9 097   | 5 009     | 13 148     | 32 928   | 9 627  | 10 700 |
| Feed for livestock and poultry ----- farms, 1987..  | 859        | 508    | 471     | 344       | 1 300      | 779      | 440    | 359    |
| 1982..  | 894        | 599    | 557     | 487       | 1 375      | 1 017    | 511    | 505    |
| \$1,000, 1987..   | 22 470     | 3 186  | 12 921  | 4 887     | 16 621     | 14 258   | 7 040  | 5 758  |
| 1982..  | 24 159     | 4 228  | 14 203  | 5 138     | 18 810     | 16 305   | 6 104  | 8 750  |
| Commercially mixed formula feeds ----- farms, 1987..  | 453        | 268    | 192     | 219       | 804        | 328      | 234    | 233    |
| 1982..  | 404        | 256    | 274     | 240       | 880        | 450      | 216    | 200    |
| \$1,000, 1987..   | 12 725     | 1 382  | 7 589   | 2 193     | 8 254      | 4 030    | 3 217  | 3 261  |
| 1982..  | 13 448     | 2 043  | 9 089   | 1 656     | 9 534      | 6 081    | 2 152  | 3 479  |
| Seeds, bulbs, plants, and trees ----- farms, 1987..   | 977        | 558    | 1 084   | 669       | 1 373      | 1 086    | 571    | 831    |
| 1982..  | 1 064      | 668    | 1 156   | 720       | 1 516      | 1 233    | 693    | 922    |
| \$1,000, 1987..   | 3 255      | 1 267  | 4 208   | 2 819     | 3 139      | 4 147    | 2 446  | 4 127  |
| 1982..  | 3 515      | 1 713  | 4 185   | 2 678     | 3 572      | 4 375    | 2 885  | 3 906  |
| Commercial fertilizer <sup>1</sup> ----- farms, 1987..  | 907        | 524    | 1 028   | 634       | 1 332      | 1 024    | 547    | 784    |
| 1982..  | 889        | 615    | 1 056   | 619       | 1 337      | 1 125    | 619    | 837    |
| \$1,000, 1987..   | 5 143      | 2 137  | 5 779   | 3 752     | 4 970      | 7 095    | 3 660  | 5 422  |
| 1982..  | 7 122      | 3 577  | 7 687   | 5 302     | 5 688      | 9 128    | 4 679  | 6 214  |
| Agricultural chemicals <sup>1</sup> ----- farms, 1987..   | 954        | 515    | 1 068   | 663       | 1 341      | 1 087    | 597    | 826    |
| 1982..  | 994        | 568    | 1 071   | 668       | 1 269      | 1 116    | 642    | 821    |
| \$1,000, 1987..   | 3 567      | 1 341  | 4 734   | 2 771     | 2 723      | 4 412    | 2 717  | 4 167  |
| 1982..  | 4 547      | 1 668  | 5 060   | 3 081     | 2 806      | 5 246    | 3 679  | 4 148  |
| Petroleum products ----- farms, 1987..  | 1 128      | 716    | 1 174   | 736       | 1 558      | 1 299    | 644    | 875    |
| 1982..  | 1 230      | 824    | 1 357   | 825       | 1 725      | 1 571    | 790    | 1 003  |
| \$1,000, 1987..   | 3 948      | 1 619  | 3 937   | 2 509     | 4 437      | 3 767    | 2 432  | 3 183  |
| 1982..  | 6 813      | 3 012  | 6 517   | 5 337     | 8 084      | 6 710    | 4 843  | 5 552  |
| Gasoline and gasohol ----- farms, 1987..  | 934        | 622    | 979     | 665       | 1 469      | 1 139    | 589    | 757    |
| 1982..  | 1 118      | 736    | 1 226   | 784       | 1 633      | 1 497    | 727    | 893    |
| \$1,000, 1987..   | 1 220      | 686    | 1 216   | 756       | 1 610      | 1 362    | 664    | 871    |
| 1982..  | 2 041      | 1 306  | 2 067   | 1 468     | 3 269      | 2 530    | 1 367  | 1 561  |
| Diesel fuel ----- farms, 1987..   | 808        | 452    | 905     | 550       | 1 165      | 940      | 514    | 705    |
| 1982..  | 874        | 563    | 1 063   | 633       | 1 172      | 1 030    | 584    | 848    |
| \$1,000, 1987..   | 1 561      | 657    | 1 912   | 1 063     | 1 661      | 1 800    | 1 019  | 1 639  |
| 1982..  | 2 601      | 1 169  | 2 928   | 1 777     | 2 499      | 2 932    | 1 656  | 2 397  |
| Natural gas ----- farms, 1987..   | 33         | 15     | 72      | 41        | 73         | 54       | 59     | 38     |
| 1982..  | 86         | 7      | 66      | 19        | 77         | 71       | 30     | 51     |
| \$1,000, 1987..   | 56         | 11     | 63      | 40        | 104        | 44       | 82     | 30     |
| 1982..  | 166        | 5      | 96      | 49        | 139        | 49       | 54     | 74     |
| LP gas, fuel oil, kerosene, motor oil,<br>grease, etc. ----- farms, 1987..                          | 960        | 556    | 1 029   | 671       | 1 393      | 1 052    | 565    | 815    |
| 1982..  | (NA)       | (NA)   | (NA)    | (NA)      | (NA)       | (NA)     | (NA)   | (NA)   |
| \$1,000, 1987..   | 1 111      | 264    | 746     | 650       | 1 061      | 561      | 666    | 643    |
| 1982..  | 2 006      | 532    | 1 426   | 2 043     | 2 177      | 1 199    | 1 766  | 1 520  |
| Electricity ----- farms, 1987..   | 1 003      | 614    | 994     | 635       | 1 446      | 1 119    | 605    | 788    |
| 1982..  | 1 034      | 634    | 1 084   | 728       | 1 533      | 1 263    | 664    | 848    |
| \$1,000, 1987..   | 1 492      | 519    | 1 463   | 862       | 2 319      | 1 649    | 700    | 994    |
| 1982..  | 1 663      | 588    | 1 303   | 1 091     | 2 616      | 1 955    | (D)    | (D)    |
| Hired farm labor ----- farms, 1987..  | 548        | 259    | 611     | 394       | 816        | 722      | 350    | 500    |
| 1982..  | 411        | 223    | 633     | 384       | 864        | 714      | 356    | 464    |
| \$1,000, 1987..   | 4 100      | 611    | 5 006   | 1 321     | 3 481      | 3 151    | 1 332  | 2 628  |
| 1982..  | 2 857      | 839    | 3 733   | 1 086     | 3 827      | 3 151    | 1 487  | 3 030  |
| Contract labor ----- farms, 1987..  | 61         | 45     | 128     | 101       | 91         | 216      | 60     | 83     |
| 1982..  | 20         | 16     | 65      | 48        | 66         | 65       | 16     | 21     |
| \$1,000, 1987..   | 161        | 188    | 169     | 106       | 225        | 487      | 98     | 132    |
| 1982..  | 94         | 23     | 137     | 42        | 223        | 216      | 40     | 41     |
| Repair and maintenance ----- farms, 1987..  | 1 056      | 620    | 1 027   | 668       | 1 523      | 1 170    | 606    | 798    |
| \$1,000, 1987..   | 5 129      | 1 999  | 5 065   | 2 583     | 6 444      | 5 107    | 2 627  | 4 099  |
| Customwork, machine hire, and rental of<br>machinery and equipment <sup>2</sup> ----- farms, 1987.. | 618        | 353    | 532     | 395       | 1 085      | 817      | 416    | 488    |
| 1982..  | 527        | 393    | 568     | 401       | 1 065      | 777      | 368    | 460    |
| \$1,000, 1987..   | 1 271      | 636    | 1 019   | 946       | 2 071      | 2 124    | 684    | 1 384  |
| 1982..  | 1 145      | 761    | 1 670   | 764       | 1 868      | 2 275    | 893    | 1 356  |
| Interest paid <sup>3</sup> ----- farms, 1987..  | 680        | 441    | 675     | 577       | 1 062      | 766      | 458    | 592    |
| 1982..  | 744        | 479    | 856     | 679       | 1 277      | 907      | 605    | 688    |
| \$1,000, 1987..   | 6 263      | 2 413  | 6 080   | 5 585     | 7 881      | 6 745    | 4 134  | 6 673  |
| 1982..  | 11 462     | 4 388  | 12 646  | 7 609     | 14 382     | 13 174   | 7 941  | 11 504 |
| Interest paid on debt:<br>Secured by real estate ----- farms, 1987..                                | 461        | 304    | 349     | 361       | 695        | 521      | 343    | 368    |
| \$1,000, 1987..   | 4 352      | 1 645  | 3 935   | 3 518     | 5 706      | 4 206    | 2 974  | 4 544  |
| 1982..  | 423        | 269    | 466     | 383       | 674        | 425      | 258    | 386    |
| \$1,000, 1987..   | 1 911      | 768    | 2 145   | 2 067     | 2 175      | 2 539    | 1 161  | 2 129  |
| Cash rent ----- farms, 1987..   | 408        | 161    | 492     | 404       | 587        | 464      | 348    | 395    |
| \$1,000, 1987..   | 5 152      | 1 438  | 4 814   | 6 644     | 4 690      | 5 543    | 5 472  | 5 758  |
| Property taxes paid ----- farms, 1987..   | 919        | 678    | 971     | 628       | 1 413      | 1 131    | 593    | 657    |
| \$1,000, 1987..   | 2 666      | 1 541  | 2 644   | 1 459     | 3 781      | 3 143    | 1 641  | 2 091  |
| All other farm production expenses ----- farms, 1987..  | 1 111      | 711    | 1 196   | 729       | 1 592      | 1 306    | 639    | 865    |
| \$1,000, 1987..   | 7 496      | 2 563  | 9 051   | 3 317     | 8 533      | 6 390    | 3 156  | 5 205  |

<sup>1</sup>Data for 1987 include cost of custom applications.

<sup>2</sup>Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.

<sup>3</sup>Data for 1982 do not include imputation for item nonresponse.