

Data Table 10.1 Food and Agricultural Production, 1982–94

| | Index of Agricultural Production (1979-81 = 100) | | | | Index of Food Production (1979-81 = 100) | | | | Average Production of Cereals | | Average Yields of Cereals | | Average Yields of Roots and Tubers | |
|--------------------------------|---|------------|------------|------------|---|------------|------------|------------|----------------------------------|------------------------------|------------------------------|------------------------------|---------------------------------------|------------------------------|
| | Total | | Per Capita | | Total | | Per Capita | | (000 metric tons) | % Change Since 1982-84 | Kilograms Per Hectare | % Change Since 1982-84 | Kilograms Per Hectare | % Change Since 1982-84 |
| | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 |
| | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 |
| WORLD | 108 | 130 | 102 | 104 | 108 | 130 | 102 | 105 | 1,934,117 | 14 | 2,791 | 17 | 12,290 | 1 |
| AFRICA | 102 | 135 | 94 | 94 | 102 | 138 | 94 | 95 | 94,708 | 41 | 1,160 | 10 | 7,607 | 17 |
| Algeria | 106 | 179 | 96 | 125 | 105 | 178 | 96 | 125 | 2,513 | 76 | 841 | 47 | 9,938 | 55 |
| Angola | 99 | 105 | 92 | 72 | 101 | 109 | 94 | 75 | 358 | 6 | 363 | (24) | 3,919 | (3) |
| Benin | 112 | 186 | 102 | 126 | 110 | 175 | 100 | 119 | 628 | 59 | 929 | 36 | 9,434 | 26 |
| Botswana | 100 | 108 | 90 | 70 | 100 | 108 | 90 | 70 | 33 | 141 | 314 | 43 | 5,200 | (32) |
| Burkina Faso | 107 | 185 | 99 | 132 | 106 | 183 | 99 | 130 | 2,494 | 119 | 860 | 55 | 5,733 | (42) |
| Burundi | 101 | 122 | 93 | 84 | 102 | 125 | 94 | 86 | 274 | 22 | 1,344 | 23 | 6,591 | (4) |
| Cameroon | 106 | 111 | 97 | 77 | 106 | 114 | 98 | 79 | 953 | 14 | 1,195 | 28 | 5,845 | 24 |
| Central African Rep | 106 | 132 | 99 | 97 | 105 | 135 | 98 | 99 | 98 | (10) | 877 | 35 | 3,873 | 1 |
| Chad | 106 | 134 | 99 | 100 | 100 | 133 | 94 | 99 | 895 | 124 | 651 | 22 | 5,189 | 8 |
| Congo | 109 | 114 | 100 | 78 | 109 | 114 | 100 | 78 | 27 | 138 | 900 | 40 | 6,855 | (4) |
| Cote d'Ivoire | 101 | 140 | 90 | 86 | 106 | 152 | 95 | 94 | 1,413 | 48 | 1,024 | 12 | 5,914 | 5 |
| Egypt | 107 | 155 | 99 | 112 | 111 | 168 | 102 | 122 | 14,722 | 72 | 5,921 | 38 | 21,961 | 10 |
| Equatorial Guinea | X | X | X | X | X | X | X | X | X | X | X | X | 2,638 | (14) |
| Eritrea | X | X | X | X | X | X | X | X | 116 | (34) | 841 | 0 | 2,889 | (7) |
| Ethiopia | 99 | 38 | 93 | 28 | 100 | 39 | 94 | 28 | 4,563 | X | 1,346 | X | 3,647 | X |
| Gabon | 103 | 122 | 91 | 79 | 103 | 122 | 91 | 79 | 26 | 93 | 1,791 | (6) | 5,420 | 3 |
| Gambia, The | 120 | 114 | 111 | 70 | 120 | 110 | 111 | 68 | 101 | 18 | 1,218 | (6) | 3,000 | 0 |
| Ghana | 104 | 172 | 94 | 112 | 105 | 173 | 94 | 113 | 1,450 | 127 | 1,199 | 83 | 6,518 | 8 |
| Guinea | 102 | 150 | 96 | 106 | 102 | 148 | 96 | 105 | 1,062 | 55 | 838 | (4) | 7,373 | 5 |
| Guinea-Bissau | 117 | 144 | 110 | 111 | 118 | 144 | 110 | 111 | 184 | 20 | 1,462 | 97 | 7,222 | 19 |
| Kenya | 114 | 137 | 102 | 86 | 112 | 139 | 100 | 87 | 2,773 | 13 | 1,548 | (7) | 8,061 | 20 |
| Lesotho | 91 | 100 | 83 | 69 | 89 | 100 | 81 | 68 | 164 | 29 | 1,038 | 56 | 8,000 | X |
| Liberia | 109 | 70 | 99 | 46 | 111 | 88 | 101 | 58 | 72 | (75) | 789 | (39) | 7,637 | 22 |
| Libya | 116 | 82 | 101 | 50 | 116 | 82 | 101 | 50 | 273 | (17) | 635 | (9) | 7,400 | 5 |
| Madagascar | 106 | 125 | 97 | 82 | 107 | 127 | 97 | 83 | 2,620 | 18 | 1,936 | 15 | 6,570 | 12 |
| Malawi | 106 | 110 | 97 | 65 | 103 | 100 | 95 | 59 | 1,306 | (10) | 958 | (18) | 3,243 | (11) |
| Mali | 109 | 139 | 101 | 94 | 110 | 135 | 101 | 91 | 2,221 | 69 | 826 | 5 | 8,340 | 2 |
| Mauritania | 96 | 116 | 89 | 83 | 96 | 116 | 89 | 83 | 155 | 186 | 810 | 71 | 1,875 | (0) |
| Mauritius | 107 | 119 | 104 | 105 | 107 | 120 | 104 | 106 | 2 | 0 | X | X | 18,333 | 10 |
| Morocco | 111 | 168 | 103 | 125 | 110 | 168 | 103 | 125 | 5,224 | 28 | 975 | 7 | 16,240 | 12 |
| Mozambique | 98 | 91 | 91 | 73 | 100 | 94 | 92 | 75 | 608 | (5) | 430 | (14) | 3,766 | (9) |
| Namibia | 76 | 105 | 70 | 74 | 77 | 108 | 71 | 76 | 76 | (8) | 660 | 2 | 7,945 | (10) |
| Niger | 93 | 125 | 84 | 82 | 93 | 125 | 84 | 82 | 2,210 | 47 | 305 | (14) | 7,456 | 7 |
| Nigeria | 104 | 197 | 95 | 134 | 104 | 196 | 95 | 134 | 13,390 | 45 | 1,237 | (21) | 10,259 | 39 |
| Rwanda | 107 | 110 | 97 | 75 | 106 | 108 | 96 | 74 | 210 | (32) | 1,117 | (2) | 6,455 | (20) |
| Senegal | 98 | 154 | 91 | 108 | 98 | 153 | 90 | 108 | 965 | 44 | 794 | 27 | 2,930 | (30) |
| Sierra Leone | 108 | 116 | 102 | 87 | 107 | 111 | 101 | 83 | 530 | (3) | 1,181 | (13) | 4,333 | 35 |
| Somalia | 107 | 87 | 96 | 65 | 107 | 87 | 96 | 65 | 260 | (38) | 443 | (27) | 10,500 | (1) |
| South Africa | 89 | 95 | 82 | 70 | 88 | 96 | 81 | 71 | 10,481 | 22 | 1,893 | 50 | 19,460 | 46 |
| Sudan | 97 | 127 | 89 | 89 | 93 | 130 | 86 | 91 | 4,445 | 123 | 561 | 36 | 2,969 | (8) |
| Swaziland | 109 | 120 | 100 | 83 | 111 | 119 | 101 | 82 | 67 | (17) | 1,116 | (11) | 2,000 | 4 |
| Tanzania | 105 | 117 | 95 | 77 | 106 | 118 | 96 | 78 | 3,649 | 21 | 1,155 | (13) | 8,260 | (16) |
| Togo | 99 | 151 | 91 | 102 | 99 | 144 | 91 | 97 | 552 | 59 | 842 | 0 | 7,412 | 43 |
| Tunisia | 105 | 159 | 97 | 119 | 105 | 159 | 97 | 119 | 1,592 | 45 | 1,270 | 65 | 13,848 | 12 |
| Uganda | 116 | 154 | 106 | 101 | 115 | 155 | 106 | 102 | 1,887 | 65 | 1,549 | 17 | 6,289 | 2 |
| Zaire | 111 | 149 | 101 | 97 | 110 | 149 | 100 | 98 | 1,712 | 68 | 872 | 4 | 7,921 | 11 |
| Zambia | 101 | 138 | 90 | 89 | 100 | 136 | 90 | 88 | 1,179 | 31 | 1,611 | (1) | 5,379 | (1) |
| Zimbabwe | 97 | 113 | 89 | 75 | 93 | 100 | 85 | 66 | 1,841 | 14 | 1,121 | 31 | 4,520 | (1) |
| EUROPE | 106 | 105 | 105 | 101 | 106 | 105 | 105 | 101 | 258,449 | (7) | 4,099 | 3 | 21,202 | 11 |
| Albania | 108 | 106 | 102 | 84 | 109 | 110 | 103 | 87 | 601 | (41) | 2,532 | (13) | 9,690 | 36 |
| Austria | 109 | 111 | 109 | 106 | 109 | 111 | 109 | 106 | 4,403 | (15) | 5,318 | 9 | 25,255 | (1) |
| Belarus, Rep | X | X | X | X | X | X | X | X | 6,769 | 31 | 2,603 | 34 | 12,673 | (15) |
| Belgium (a) | 97 | 143 | 97 | 93 | 97 | 143 | 97 | 93 | 2,260 | 1 | 6,500 | 16 | 43,415 | 8 |
| Bosnia and Herzegovina | X | X | X | X | X | X | X | X | 1,225 | X | 3,177 | X | 4,770 | X |
| Bulgaria | 104 | 67 | 103 | 67 | 106 | 73 | 105 | 73 | 6,272 | (31) | 2,762 | (36) | 10,370 | (5) |
| Croatia, Rep | X | X | X | X | X | X | X | X | 2,561 | X | 4,126 | X | 8,073 | X |
| Czech Rep | X | X | X | X | X | X | X | X | 6,609 | X | 4,088 | X | 19,230 | X |
| Denmark | 113 | 128 | 113 | 126 | 113 | 128 | 113 | 126 | 7,681 | (3) | 5,156 | 12 | 36,582 | 10 |
| Estonia, Rep | X | X | X | X | X | X | X | X | 685 | (27) | 1,728 | (26) | 13,826 | (15) |
| Finland | 113 | 105 | 111 | 99 | 113 | 105 | 111 | 99 | 3,114 | (15) | 3,360 | 10 | 20,148 | 17 |
| France | 105 | 105 | 104 | 99 | 105 | 106 | 104 | 99 | 56,637 | 11 | 6,517 | 23 | 34,942 | 18 |
| Germany | 107 | 107 | 108 | 104 | 107 | 107 | 108 | 104 | 35,566 | 1 | 5,588 | 20 | 33,555 | 50 |
| Greece | 104 | 112 | 102 | 104 | 104 | 105 | 102 | 98 | 4,955 | (5) | 3,651 | 10 | 20,079 | 16 |
| Hungary | 111 | 83 | 111 | 86 | 111 | 84 | 112 | 87 | 10,137 | (32) | 3,630 | (29) | 16,578 | (7) |
| Iceland | 103 | 84 | 99 | 73 | 103 | 85 | 99 | 74 | 0 | X | X | X | 7,667 | (39) |
| Ireland | 104 | 128 | 101 | 122 | 104 | 128 | 101 | 122 | 1,800 | (19) | 6,484 | 18 | 24,924 | 11 |
| Italy | 102 | 104 | 101 | 102 | 102 | 104 | 101 | 102 | 19,500 | 4 | 4,739 | 29 | 22,705 | 31 |
| Latvia, Rep | X | X | X | X | X | X | X | X | 1,042 | (20) | 1,768 | (4) | 13,463 | (14) |
| Lithuania, Rep | X | X | X | X | X | X | X | X | 2,398 | 2 | 2,028 | (11) | 11,382 | (16) |
| Macedonia, former Yugoslav Rep | X | X | X | X | X | X | X | X | 586 | X | 2,460 | X | 9,769 | X |
| Moldova, Rep | X | X | X | X | X | X | X | X | 2,206 | (10) | 2,973 | (17) | 8,324 | (8) |
| Netherlands | 109 | 125 | 107 | 116 | 108 | 125 | 107 | 115 | 1,390 | 2 | 7,515 | 11 | 43,973 | 17 |
| Norway | 107 | 114 | 106 | 108 | 107 | 114 | 106 | 108 | 1,227 | 0 | 3,488 | (8) | 25,070 | (0) |
| Poland, Rep | 103 | 101 | 100 | 93 | 103 | 103 | 100 | 95 | 21,714 | (4) | 2,574 | (7) | 15,861 | (0) |
| Portugal | 100 | 110 | 98 | 109 | 100 | 111 | 99 | 110 | 1,439 | 11 | 2,008 | 60 | 14,223 | 72 |
| Romania | 109 | 82 | 107 | 80 | 109 | 84 | 107 | 82 | 15,098 | (21) | 2,449 | (22) | 14,226 | (24) |
| Russian Federation | X | X | X | X | X | X | X | X | 92,892 | 1 | 1,612 | 17 | 10,622 | (6) |
| Slovak Rep | X | X | X | X | X | X | X | X | 3,526 | X | 4,176 | X | 13,762 | X |
| Slovenia, Rep | X | X | X | X | X | X | X | X | 429 | X | 3,625 | X | 12,443 | X |
| Spain | 107 | 115 | 105 | 110 | 107 | 116 | 105 | 110 | 15,765 | (1) | 2,317 | 9 | 19,408 | 22 |
| Sweden | 108 | 91 | 108 | 87 | 108 | 91 | 108 | 87 | 4,524 | (26) | 4,059 | 1 | 34,009 | 25 |
| Switzerland | 107 | 110 | 105 | 98 | 107 | 110 | 105 | 98 | 1,241 | 26 | 6,112 | 11 | 43,732 | 20 |
| Ukraine | X | X | X | X | X | X | X | X | 37,045 | 3 | 2,958 | 17 | 12,029 | (2) |
| United Kingdom | 108 | 106 | 107 | 103 | 108 | 106 | 108 | 103 | 20,399 | (12) | 6,609 | 14 | 42,015 | 22 |
| Yugoslavia, Fed Rep | 107 | X | 105 | X | 107 | X | 105 | X | 7,780 | X | 3,165 | X | 6,587 | X |

Data Table 10.1 continued

| | Index of Agricultural Production (1979-81 = 100) | | | | Index of Food Production (1979-81 = 100) | | | | Average Production of Cereals | | Average Yields of Cereals | | Average Yields of Roots and Tubers | |
|------------------------------------|---|------------|------------|------------|---|------------|------------|------------|----------------------------------|-------------------|------------------------------|-------------------|---------------------------------------|-------------------|
| | Total | | Per Capita | | Total | | Per Capita | | (000 metric tons) | % Change Since | Kilograms Per Hectare | % Change Since | Kilograms Per Hectare | % Change Since |
| | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 |
| | 99 | 115 | 95 | 97 | 100 | 116 | 96 | 97 | 405,147 | 12 | 4,227 | 21 | 22,169 | 17 |
| NORTH & CENTRAL AMERICA | | | | | | | | | | | | | | |
| Belize | 110 | 132 | 102 | 95 | 110 | 132 | 102 | 95 | 26 | 3 | 1,510 | (17) | X | X |
| Canada | 111 | 125 | 108 | 107 | 112 | 126 | 108 | 108 | 49,328 | 3 | 2,566 | 15 | 27,404 | 16 |
| Costa Rica | 104 | 146 | 95 | 102 | 101 | 148 | 92 | 104 | 230 | (30) | 3,184 | 47 | 25,105 | 263 |
| Cuba | 108 | 82 | 106 | 73 | 108 | 81 | 105 | 72 | 308 | (51) | 1,779 | (34) | 5,024 | (13) |
| Dominican Rep | 108 | 130 | 101 | 98 | 108 | 141 | 101 | 106 | 581 | 2 | 4,301 | 16 | 6,308 | (9) |
| El Salvador | 88 | 93 | 86 | 76 | 89 | 116 | 87 | 95 | 948 | 49 | 1,978 | 15 | 17,111 | 21 |
| Guatemala | 97 | 115 | 89 | 79 | 112 | 145 | 103 | 100 | 1,492 | 22 | 1,834 | 6 | 4,872 | 19 |
| Haiti | 103 | 86 | 98 | 67 | 104 | 87 | 99 | 68 | 397 | (5) | 936 | (10) | 3,829 | (5) |
| Honduras | 102 | 139 | 92 | 93 | 101 | 135 | 92 | 90 | 673 | 26 | 1,343 | (2) | 9,357 | (2) |
| Jamaica | 103 | 120 | 98 | 107 | 102 | 120 | 98 | 106 | 5 | (24) | 1,455 | (24) | 14,151 | 20 |
| Mexico | 107 | 123 | 100 | 91 | 108 | 126 | 101 | 94 | 27,207 | 23 | 2,708 | 18 | 17,188 | 24 |
| Nicaragua | 94 | 79 | 86 | 54 | 89 | 95 | 81 | 64 | 562 | 26 | 1,682 | 3 | 11,700 | 4 |
| Panama | 109 | 122 | 102 | 93 | 108 | 120 | 101 | 92 | 334 | 24 | 1,778 | 18 | 5,889 | (20) |
| Trinidad and Tobago | 86 | 103 | 83 | 87 | 88 | 106 | 84 | 89 | 23 | 258 | 3,091 | 14 | 11,000 | (0) |
| United States | 98 | 113 | 95 | 100 | 99 | 113 | 96 | 100 | 323,029 | 13 | 5,092 | 23 | 35,553 | 21 |
| SOUTH AMERICA | 106 | 135 | 99 | 105 | 107 | 140 | 100 | 108 | 85,456 | 11 | 2,475 | 26 | 11,891 | 10 |
| Argentina | 107 | 117 | 102 | 97 | 107 | 118 | 102 | 98 | 25,123 | (23) | 2,902 | 19 | 17,419 | 10 |
| Bolivia | 96 | 147 | 90 | 112 | 97 | 150 | 91 | 114 | 1,006 | 46 | 1,462 | 20 | 6,465 | 24 |
| Brazil | 106 | 144 | 99 | 112 | 108 | 151 | 101 | 117 | 44,323 | 39 | 2,256 | 40 | 12,439 | 11 |
| Chile | 102 | 149 | 97 | 120 | 102 | 151 | 97 | 121 | 2,721 | 63 | 4,299 | 78 | 15,430 | 36 |
| Colombia | 101 | 140 | 95 | 109 | 102 | 145 | 96 | 113 | 3,633 | 6 | 2,518 | 0 | 12,585 | 11 |
| Ecuador | 101 | 159 | 93 | 115 | 101 | 159 | 93 | 115 | 1,787 | 148 | 2,133 | 20 | 6,549 | (37) |
| Guyana | 102 | 100 | 99 | 93 | 102 | 101 | 100 | 94 | 281 | (1) | 3,029 | (5) | 8,000 | 28 |
| Paraguay | 117 | 164 | 106 | 110 | 116 | 169 | 105 | 113 | 920 | 7 | 1,986 | 27 | 14,164 | 1 |
| Peru | 107 | 120 | X | X | 110 | 125 | X | X | 1,967 | 7 | 2,679 | 18 | 8,212 | 4 |
| Suriname | 111 | 108 | 108 | 93 | 111 | 108 | 108 | 93 | 234 | (19) | 3,739 | (5) | X | X |
| Uruguay | 110 | 122 | 108 | 113 | 110 | 123 | 108 | 114 | 1,467 | 36 | 2,690 | 37 | 8,747 | 56 |
| Venezuela | 104 | 142 | 96 | 103 | 104 | 144 | 97 | 104 | 1,969 | 40 | 2,749 | 39 | 9,076 | 6 |
| ASIA | 115 | 160 | 108 | 127 | 114 | 161 | 108 | 127 | 894,866 | 23 | 2,947 | 22 | 14,324 | 3 |
| Afghanistan, Islamic State | X | X | X | X | 94 | 76 | 100 | 69 | 2,541 | (29) | 1,147 | (14) | 16,585 | 10 |
| Armenia | X | X | X | X | X | X | X | X | X | X | X | X | 12,292 | (17) |
| Azerbaijan | X | X | X | X | X | X | X | X | 1,135 | (5) | 1,741 | (27) | 7,763 | (6) |
| Bangladesh | 106 | 131 | 99 | 100 | 106 | 132 | 99 | 101 | 28,523 | 25 | 2,656 | 26 | 10,479 | 0 |
| Bhutan | 110 | 110 | 103 | 85 | 109 | 110 | 103 | 85 | 106 | (38) | 1,093 | (24) | 11,133 | 56 |
| Cambodia | 135 | 202 | 126 | 136 | 135 | 196 | 126 | 133 | 2,196 | 22 | 1,227 | 5 | 8,265 | 46 |
| China | 120 | 181 | 115 | 151 | 117 | 181 | 112 | 151 | 401,088 | 17 | 4,482 | 21 | 15,180 | (1) |
| Georgia, Rep | X | X | X | X | X | X | X | X | 415 | (29) | 1,609 | (26) | 10,000 | (13) |
| India | 114 | 162 | 107 | 124 | 115 | 164 | 107 | 125 | 206,608 | 33 | 2,062 | 38 | 15,751 | 15 |
| Indonesia | 114 | 173 | 107 | 136 | 115 | 178 | 108 | 140 | 54,579 | 36 | 3,864 | 16 | 11,565 | 24 |
| Iran, Islamic Rep | 121 | 207 | 107 | 127 | 122 | 211 | 107 | 129 | 16,545 | 68 | 1,750 | 52 | 18,723 | 22 |
| Iraq | 116 | 127 | 106 | 85 | 116 | 127 | 105 | 85 | 2,641 | 59 | 883 | 5 | 17,475 | (7) |
| Israel | 119 | 115 | 113 | 85 | 121 | 132 | 115 | 97 | 218 | (18) | 2,199 | 0 | 28,917 | (33) |
| Japan | 103 | 92 | 101 | 87 | 104 | 96 | 102 | 90 | 13,603 | (7) | 5,588 | 1 | 25,498 | 6 |
| Jordan | 121 | 234 | 108 | 125 | 120 | 238 | 107 | 127 | 120 | 35 | 1,078 | 72 | 23,700 | 32 |
| Kazakhstan, Rep | X | X | X | X | X | X | X | X | 22,526 | 23 | 1,037 | 43 | 9,685 | (1) |
| Korea, Dem People's Rep | 113 | 112 | 108 | 89 | 113 | 110 | 108 | 87 | 4,604 | (26) | 3,195 | (17) | 12,461 | (1) |
| Korea, Rep | 104 | 112 | 100 | 97 | 105 | 113 | 100 | 98 | 7,523 | (16) | 5,815 | 5 | 20,271 | 4 |
| Kuwait | X | X | X | X | X | X | X | X | 2 | 100 | X | X | X | X |
| Kyrgyz Rep | X | X | X | X | X | X | X | X | 1,390 | 18 | 2,366 | 2 | 11,911 | (6) |
| Lao People's Dem Rep | 117 | 158 | 110 | 110 | 117 | 158 | 110 | 110 | 1,530 | 27 | 2,494 | 50 | 8,808 | (9) |
| Lebanon | 112 | 196 | 112 | 187 | 113 | 202 | 113 | 192 | 77 | 178 | 1,958 | 65 | 20,927 | 36 |
| Malaysia | 117 | 218 | 108 | 156 | 124 | 277 | 115 | 198 | 2,085 | 19 | 3,026 | 16 | 9,697 | 4 |
| Mongolia | 105 | 97 | 97 | 70 | 106 | 98 | 98 | 70 | 477 | (27) | 892 | (21) | 8,040 | (25) |
| Myanmar | 124 | 135 | 116 | 103 | 125 | 138 | 118 | 105 | 17,402 | 16 | 2,808 | (4) | 8,927 | (1) |
| Nepal | 111 | 161 | 102 | 115 | 112 | 164 | 103 | 118 | 5,524 | 40 | 1,847 | 15 | 7,630 | 26 |
| Oman | X | X | X | X | X | X | X | X | 4 | 117 | 1,857 | (7) | X | X |
| Pakistan | 111 | 170 | 100 | 109 | 112 | 168 | 101 | 108 | 22,748 | 25 | 1,894 | 17 | 13,229 | 16 |
| Philippines | 103 | 119 | 96 | 89 | 102 | 120 | 95 | 90 | 14,523 | 30 | 2,229 | 28 | 6,841 | 17 |
| Saudi Arabia | 191 | 555 | 157 | 307 | 192 | 566 | 158 | 313 | 4,737 | 406 | 4,266 | 56 | 18,348 | 45 |
| Singapore | 86 | 45 | 82 | 39 | 86 | 46 | 83 | 39 | 0 | X | X | X | X | X |
| Sri Lanka | 100 | 98 | 95 | 81 | 102 | 101 | 97 | 84 | 2,534 | 6 | 3,008 | 7 | 8,961 | (19) |
| Syrian Arab Rep | 113 | 140 | 103 | 89 | 111 | 138 | 101 | 88 | 5,136 | 140 | 1,417 | 80 | 17,708 | 6 |
| Tajikistan, Rep | X | X | X | X | X | X | X | X | 269 | (10) | 981 | (37) | 11,947 | (25) |
| Thailand | 110 | 134 | 104 | 109 | 110 | 125 | 104 | 102 | 23,469 | 3 | 2,278 | 12 | 13,914 | (15) |
| Turkey | 109 | 134 | 101 | 100 | 110 | 135 | 102 | 101 | 29,302 | 14 | 2,114 | 10 | 23,499 | 41 |
| Turkmenistan, Rep | X | X | X | X | X | X | X | X | 1,090 | 265 | 2,412 | 15 | 10,556 | 66 |
| United Arab Emirates | X | X | X | X | X | X | X | X | 7 | 24 | 7,000 | 24 | X | X |
| Uzbekistan, Rep | X | X | X | X | X | X | X | X | 2,231 | (11) | 1,703 | (21) | 10,530 | 11 |
| Viet Nam | 116 | 173 | 109 | 130 | 116 | 171 | 109 | 128 | 23,378 | 52 | 3,343 | 32 | 7,677 | 10 |
| Yemen, Rep | 97 | 133 | 88 | 83 | 97 | 133 | 88 | 83 | 813 | 34 | 1,100 | 63 | 14,024 | (7) |
| OCEANIA | 103 | 118 | 99 | 97 | 103 | 119 | 99 | 98 | 23,115 | (10) | 1,748 | 22 | 11,436 | 6 |
| Australia | 104 | 122 | 99 | 101 | 103 | 119 | 99 | 99 | 22,319 | (9) | 1,709 | 22 | 29,000 | 16 |
| Fiji | 102 | 114 | 96 | 96 | 102 | 115 | 96 | 96 | 26 | 24 | 2,108 | 4 | 12,800 | 11 |
| New Zealand | 106 | 108 | 104 | 96 | 107 | 118 | 105 | 106 | 765 | (20) | 5,274 | 14 | 25,182 | (13) |
| Papua New Guinea | 106 | 135 | 100 | 102 | 108 | 139 | 101 | 104 | 3 | 0 | 1,500 | 0 | 7,218 | 2 |
| Solomon Islands | 115 | 140 | 104 | 90 | 116 | 140 | 104 | 90 | X | X | X | X | 18,278 | 18 |

Source: Food and Agriculture Organization of the United Nations.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium.

World and regional totals include some countries not listed here.

0 = zero or less than half the unit of measure; X = not available; negative numbers are shown in parentheses.

For additional information, see Sources and Technical Notes.

Data Table 10.2 Agricultural Inputs, 1981–93

| | Cropland | | | | Irrigated Land | | Annual | | Tractors | | Harvesters | |
|--------------------------------|------------------|-------------|------------------|-------------|----------------|-----------|----------------------|------------|-------------------|-----------|------------------|-------------|
| | Total | Hectares | Total | Hectares | as a | | Fertilizer Use | | Average | Percent | Average | Percent |
| | Hectares | Per | Hectares | Per | Percentage of | | (kilograms per | | Number | Change | Number | Change |
| | (000) | Capita | (000) | Capita | Cropland | | hectare of cropland) | | 1991-93 | Since | 1991-93 | Since |
| | 1993 | 1993 | 1983 | 1983 | 1981-83 | 1991-93 | 1983 | 1993 | 1991-93 | 1981-83 | 1991-93 | 1981-83 |
| WORLD | 1,447,509 | 0.26 | 1,432,735 | 0.31 | 15 | 17 | 88 | 83 | 25,879,371 | 10 | 3,888,353 | 2 |
| AFRICA | 187,887 | 0.27 | 177,907 | 0.34 | 6 | 7 | 19 | 21 | 515,884 | 10 | 40,802 | (32) |
| Algeria | 7,850 | 0.29 | 7,231 | 0.35 | 4 | 7 | 22 | 17 | 91,333 | 70 | 9,567 | 88 |
| Angola | 3,500 | 0.34 | 3,400 | 0.45 | 2 | 2 | 3 | 2 | 10,297 | 0 | X | X |
| Benin | 1,880 | 0.37 | 1,806 | 0.48 | 0 | 0 | 3 | 9 | 137 | 22 | X | X |
| Botswana | 420 | 0.30 | 400 | 0.40 | 1 | 0 | 3 | 2 | 6,000 | 133 | 95 | 15 |
| Burkina Faso | 3,565 | 0.36 | 2,935 | 0.39 | 0 | 1 | 5 | 6 | 134 | 12 | X | X |
| Burundi | 1,360 | 0.23 | 1,306 | 0.29 | 1 | 1 | 2 | 3 | 168 | 53 | 2 | 100 |
| Cameroon | 7,040 | 0.56 | 6,960 | 0.74 | 0 | 0 | 7 | 3 | 503 | (21) | X | X |
| Central African Rep | 2,020 | 0.64 | 1,970 | 0.79 | 0 | 0 | 0 | 1 | 208 | 23 | 19 | 65 |
| Chad | 3,256 | 0.54 | 3,150 | 0.66 | 0 | 0 | 1 | 1 | 168 | 5 | 17 | 2 |
| Congo | 170 | 0.07 | 154 | 0.08 | 1 | 1 | 10 | 12 | 708 | 4 | 59 | 51 |
| Cote d'Ivoire | 3,710 | 0.28 | 3,219 | 0.35 | 1 | 2 | 12 | 15 | 3,667 | 15 | 65 | 44 |
| Egypt | 2,800 | 0.05 | 2,478 | 0.05 | 100 | 100 | 363 | 357 | 60,333 | 33 | 2,367 | 10 |
| Equatorial Guinea | 230 | 0.61 | 230 | 0.84 | 0 | 0 | 0 | 0 | 100 | 2 | X | X |
| Eritrea | 1,280 | 0.38 | X | X | X | 1 | X | 0 | 850 | X | 40 | X |
| Ethiopia | 13,930 | 0.27 | 13,930 | 0.36 | 1 | 1 | 1 | 6 | X | X | 103 | X |
| Gabon | 460 | 0.37 | 452 | 0.49 | 1 | 1 | 5 | 1 | 1,493 | 14 | X | X |
| Gambia, The | 180 | 0.17 | 160 | 0.23 | 8 | 8 | 15 | 4 | 44 | 2 | 5 | 25 |
| Ghana | 4,320 | 0.26 | 3,500 | 0.29 | 0 | 0 | 6 | 1 | 4,083 | 12 | 537 | 49 |
| Guinea | 730 | 0.12 | 714 | 0.15 | 13 | 12 | 0 | 2 | 287 | 43 | X | X |
| Guinea-Bissau | 340 | 0.33 | 310 | 0.37 | 5 | 5 | 2 | 1 | 19 | 12 | X | X |
| Kenya | 4,520 | 0.17 | 4,280 | 0.23 | 1 | 1 | 20 | 27 | 14,000 | 73 | 650 | 50 |
| Lesotho | 320 | 0.16 | 283 | 0.19 | 1 | 1 | 16 | 19 | 1,850 | 22 | 35 | 16 |
| Liberia | 375 | 0.13 | 371 | 0.18 | 1 | 1 | 8 | 0 | 334 | 9 | X | X |
| Libya | 2,170 | 0.43 | 2,105 | 0.60 | 12 | 22 | 43 | 49 | 34,000 | 28 | 3,410 | 18 |
| Madagascar | 3,105 | 0.22 | 3,011 | 0.30 | 24 | 34 | 5 | 3 | 2,900 | 6 | 150 | 15 |
| Malawi | 1,700 | 0.16 | 1,420 | 0.21 | 1 | 1 | 30 | 51 | 1,417 | 11 | X | X |
| Mali | 2,503 | 0.25 | 2,053 | 0.28 | 0 | 0 | 5 | 10 | 840 | 1 | 49 | 7 |
| Mauritania | 208 | 0.10 | 195 | 0.12 | 25 | 24 | 2 | 22 | 336 | 8 | X | X |
| Mauritius | 106 | 0.10 | 107 | 0.11 | 15 | 16 | 254 | 245 | 367 | 9 | X | X |
| Morocco | 9,920 | 0.38 | 8,330 | 0.40 | 15 | 13 | 29 | 29 | 41,667 | 33 | 4,527 | 14 |
| Mozambique | 3,180 | 0.21 | 3,080 | 0.24 | 2 | 4 | 5 | 1 | 5,750 | 0 | X | X |
| Namibia | 662 | 0.45 | 662 | 0.59 | 1 | 1 | 0 | 0 | 3,133 | 16 | X | X |
| Niger | 3,605 | 0.42 | 3,540 | 0.57 | 1 | 2 | 1 | 0 | 179 | 38 | X | X |
| Nigeria | 32,385 | 0.31 | 30,670 | 0.39 | 3 | 3 | 9 | 16 | 11,867 | 25 | X | X |
| Rwanda | 1,170 | 0.15 | 1,090 | 0.19 | 0 | 0 | 1 | 2 | 90 | 7 | X | X |
| Senegal | 2,350 | 0.30 | 2,350 | 0.39 | 3 | 3 | 11 | 11 | 533 | 16 | 155 | 7 |
| Sierra Leone | 540 | 0.13 | 518 | 0.15 | 5 | 5 | 2 | 6 | 547 | 33 | 6 | 38 |
| Somalia | 1,020 | 0.11 | 1,015 | 0.14 | 15 | 18 | 2 | 0 | 2,137 | 16 | X | X |
| South Africa | 13,179 | 0.33 | 13,169 | 0.42 | 9 | 10 | 67 | 64 | 130,667 | (24) | 13,333 | (67) |
| Sudan | 12,975 | 0.49 | 12,558 | 0.62 | 14 | 15 | 3 | 5 | 10,484 | 6 | 1,540 | 63 |
| Swaziland | 191 | 0.24 | 141 | 0.23 | 42 | 35 | 123 | 61 | 4,433 | 27 | X | X |
| Tanzania | 3,500 | 0.12 | 3,130 | 0.15 | 4 | 4 | 7 | 14 | 6,633 | (25) | X | X |
| Togo | 2,430 | 0.63 | 2,360 | 0.83 | 0 | 0 | 1 | 4 | 370 | 42 | X | X |
| Tunisia | 4,952 | 0.58 | 4,967 | 0.72 | 5 | 8 | 15 | 22 | 26,833 | 2 | 3,049 | 18 |
| Uganda | 6,770 | 0.34 | 6,300 | 0.44 | 0 | 0 | 0 | 0 | 4,667 | 43 | 15 | 36 |
| Zaire | 7,900 | 0.19 | 7,700 | 0.26 | 0 | 0 | 1 | 1 | 2,427 | 14 | X | X |
| Zambia | 5,273 | 0.59 | 5,158 | 0.81 | 0 | 1 | 13 | 16 | 5,983 | 18 | 289 | 7 |
| Zimbabwe | 2,876 | 0.27 | 2,806 | 0.36 | 6 | 7 | 55 | 55 | 16,067 | 1 | 717 | 10 |
| EUROPE | 136,005 | 0.19 | 140,245 | 0.20 | 10 | 12 | 169 | 116 | 9,791,242 | 6 | 802,272 | (2) |
| Albania | 702 | 0.21 | 710 | 0.25 | 54 | 52 | 145 | 17 | 9,173 | (11) | 988 | (29) |
| Austria | 1,498 | 0.19 | 1,516 | 0.20 | 0 | 0 | 252 | 175 | 348,568 | 7 | 24,522 | (19) |
| Belarus, Rep | 6,248 | 0.61 | 6,360 | 0.65 | 3 | 2 | X | 136 | 125,167 | (0) | 28,667 | (9) |
| Belgium (a) | 794 | X | 771 | X | 0 | 0 | 577 | 403 | 0 | X | 8,373 | (10) |
| Bosnia and Herzegovina | 940 | 0.25 | X | X | X | 0 | X | 11 | 205,930 | X | 400 | X |
| Bulgaria | 4,310 | 0.49 | 4,141 | 0.46 | 29 | 29 | 244 | 54 | 48,407 | (17) | 7,754 | (14) |
| Croatia, Rep | 1,313 | 0.29 | 1,627 | 0.37 | X | 0 | X | 172 | 4,200 | (27) | 1,036 | (44) |
| Czech Rep | 3,293 | 0.32 | X | X | X | 0 | X | 81 | 78,000 | X | 3,933 | X |
| Denmark | 2,542 | 0.49 | 2,610 | 0.51 | 15 | 17 | 266 | 191 | 157,069 | (11) | 31,997 | (14) |
| Estonia, Rep | 1,143 | 0.74 | 991 | 0.65 | 0 | 0 | X | 57 | 19,597 | X | 2,469 | X |
| Finland | 2,580 | 0.51 | 2,467 | 0.51 | 2 | 2 | 212 | 132 | 233,333 | 0 | 42,000 | (9) |
| France | 19,439 | 0.34 | 19,027 | 0.35 | 5 | 8 | 307 | 237 | 1,460,000 | (2) | 153,833 | 4 |
| Germany | 12,116 | 0.15 | 12,450 | 0.16 | 4 | 4 | 368 | 221 | 1,373,967 | (16) | 138,994 | (22) |
| Greece | 3,494 | 0.34 | 3,945 | 0.40 | 25 | 36 | 162 | 148 | 215,750 | 28 | 6,250 | (3) |
| Hungary | 4,973 | 0.49 | 5,292 | 0.50 | 3 | 4 | 300 | 40 | 41,380 | (25) | 9,145 | (26) |
| Iceland | 6 | 0.02 | 8 | 0.03 | 0 | 0 | X | X | 0 | X | 18 | 13 |
| Ireland | 923 | 0.26 | 1,020 | 0.29 | 0 | 0 | 665 | 769 | 167,333 | 10 | 5,103 | (2) |
| Italy | 11,860 | 0.21 | 12,268 | 0.22 | 20 | 23 | 168 | 148 | 1,439,022 | 23 | 48,264 | 24 |
| Latvia, Rep | 1,711 | 0.66 | 1,736 | 0.67 | 0 | 0 | X | 56 | 51,992 | X | 5,976 | X |
| Lithuania, Rep | 3,008 | 0.81 | 3,150 | 0.89 | 0 | 0 | X | 27 | 47,400 | X | 9,633 | X |
| Macedonia, former Yugoslav Rep | 663 | 0.31 | X | X | X | 12 | X | 18 | 49,864 | X | 731 | X |
| Moldova, Rep | 2,193 | 0.50 | 2,215 | 0.54 | 11 | 14 | X | 52 | 53,835 | (0) | 4,754 | 6 |
| Netherlands | 934 | 0.06 | 831 | 0.06 | 60 | 60 | 821 | 560 | 182,000 | (0) | 5,573 | (5) |
| Norway | 890 | 0.21 | 849 | 0.21 | 9 | 11 | 298 | 229 | 156,000 | 9 | 16,100 | (8) |
| Poland, Rep | 14,668 | 0.38 | 14,799 | 0.40 | 1 | 1 | 231 | 87 | 1,168,833 | 54 | 83,667 | 72 |
| Portugal | 3,160 | 0.32 | 3,150 | 0.32 | 20 | 20 | 71 | 75 | 131,158 | 30 | 7,967 | 60 |
| Romania | 9,941 | 0.43 | 10,555 | 0.47 | 23 | 31 | 139 | 39 | 142,114 | (17) | 42,727 | (2) |
| Russian Federation | 133,900 | 0.91 | 135,550 | 0.96 | 4 | 4 | X | 29 | 1,283,333 | (8) | 376,667 | (24) |
| Slovak Rep | 1,613 | 0.30 | X | X | X | 2 | X | 50 | 33,663 | X | 9,361 | X |
| Slovenia, Rep | 301 | 0.16 | X | X | X | 1 | X | 249 | 69,761 | X | 1,034 | X |
| Spain | 19,656 | 0.50 | 20,508 | 0.54 | 15 | 17 | 71 | 93 | 765,769 | 29 | 48,860 | 12 |
| Sweden | 2,780 | 0.32 | 2,941 | 0.35 | 3 | 4 | 164 | 120 | 165,776 | (12) | 40,339 | (16) |
| Switzerland | 467 | 0.07 | 412 | 0.06 | 6 | 5 | 430 | 321 | 114,000 | 10 | 4,000 | (18) |
| Ukraine | 34,417 | 0.67 | 35,500 | 0.70 | 6 | 8 | X | 39 | 430,469 | 0 | 103,282 | 7 |
| United Kingdom | 6,127 | 0.11 | 6,970 | 0.12 | 2 | 2 | 375 | 338 | 500,000 | (5) | 47,333 | (16) |
| Yugoslavia, Fed Rep | X | X | 7,813 | 0.80 | 2 | X | X | X | X | X | 5,392 | X |

| | Cropland | | | | Irrigated Land | | Annual | | Tractors | | Harvesters | |
|------------------------------------|----------------|-------------|----------------|-------------|----------------|-----------|----------------------|------------|------------------|------------|------------------|------------|
| | Total | Hectares | Total | Hectares | as a | | Fertilizer Use | | Percent | | Percent | |
| | Hectares | Per | Hectares | Per | Percentage of | | (kilograms per | | Average | | Average | |
| | (000) | Capita | (000) | Capita | Cropland | | hectare of cropland) | | Number | | Number | |
| | 1993 | 1993 | 1993 | 1993 | 1981-83 | 1991-93 | 1983 | 1993 | 1991-93 | 1981-83 | 1991-93 | 1981-83 |
| NORTH & CENTRAL AMERICA | 271,447 | 0.61 | 273,428 | 0.71 | 10 | 11 | 90 | 95 | 5,831,199 | 4 | 849,770 | (1) |
| Belize | 57 | 0.28 | 53 | 0.34 | 4 | 4 | 32 | 114 | 1,133 | 30 | 45 | 32 |
| Canada | 45,500 | 1.58 | 46,080 | 1.82 | 1 | 2 | 49 | 60 | 738,050 | 8 | 155,000 | (3) |
| Costa Rica | 530 | 0.16 | 515 | 0.21 | 14 | 23 | 171 | 208 | 6,833 | 12 | 1,187 | 12 |
| Cuba | 3,340 | 0.31 | 3,215 | 0.32 | 25 | 27 | 164 | 52 | 78,167 | 18 | 7,390 | 7 |
| Dominican Rep | 1,450 | 0.19 | 1,430 | 0.23 | 12 | 16 | 39 | 61 | 2,347 | 6 | X | X |
| El Salvador | 730 | 0.13 | 725 | 0.16 | 15 | 16 | 113 | 106 | 3,427 | 2 | 413 | 22 |
| Guatemala | 1,880 | 0.19 | 1,785 | 0.24 | 5 | 7 | 38 | 87 | 4,273 | 5 | 3,047 | 11 |
| Haiti | 910 | 0.13 | 899 | 0.16 | 8 | 8 | 4 | 5 | 228 | 20 | X | X |
| Honduras | 2,015 | 0.38 | 1,770 | 0.45 | 5 | 4 | 16 | 32 | 3,921 | 18 | X | X |
| Jamaica | 219 | 0.09 | 220 | 0.10 | 15 | 16 | 58 | 107 | 3,077 | 5 | X | X |
| Mexico | 24,730 | 0.27 | 24,688 | 0.34 | 20 | 24 | 60 | 71 | 172,000 | 14 | 19,333 | 17 |
| Nicaragua | 1,270 | 0.31 | 1,267 | 0.41 | 6 | 7 | 56 | 21 | 2,683 | 14 | X | X |
| Panama | 660 | 0.26 | 581 | 0.28 | 5 | 5 | 40 | 48 | 5,016 | (6) | 1,015 | (25) |
| Trinidad and Tobago | 122 | 0.10 | 118 | 0.10 | 18 | 18 | 66 | 51 | 2,643 | 6 | X | X |
| United States | 187,776 | 0.73 | 189,799 | 0.81 | 11 | 11 | 104 | 108 | 4,800,000 | 3 | 662,333 | (1) |
| SOUTH AMERICA | 102,767 | 0.33 | 103,685 | 0.41 | 7 | 9 | 31 | 59 | 1,223,582 | 22 | 120,845 | 15 |
| Argentina | 27,200 | 0.81 | 27,200 | 0.92 | 6 | 6 | 5 | 11 | 280,000 | 38 | 49,600 | 9 |
| Bolivia | 2,380 | 0.34 | 2,173 | 0.38 | 7 | 7 | 4 | 6 | 5,333 | 19 | 120 | (1) |
| Brazil | 48,955 | 0.31 | 51,000 | 0.39 | 4 | 6 | 45 | 85 | 733,333 | 19 | 47,667 | 22 |
| Chile | 4,257 | 0.31 | 4,302 | 0.37 | 29 | 30 | 18 | 58 | 39,727 | 16 | 8,733 | 5 |
| Colombia | 5,460 | 0.16 | 5,249 | 0.19 | 8 | 10 | 61 | 94 | 36,333 | 13 | 2,783 | 24 |
| Ecuador | 3,020 | 0.28 | 2,490 | 0.29 | 21 | 18 | 30 | 31 | 8,867 | 20 | 777 | 23 |
| Guyana | 496 | 0.61 | 495 | 0.63 | 25 | 26 | 21 | 24 | 3,627 | 3 | 438 | 5 |
| Paraguay | 2,270 | 0.48 | 1,930 | 0.56 | 3 | 3 | 5 | 14 | 16,293 | 70 | X | X |
| Peru | 3,430 | 0.15 | 3,650 | 0.20 | 32 | 37 | 22 | 44 | 16,500 | 6 | X | X |
| Suriname | 68 | 0.16 | 57 | 0.16 | 78 | 88 | 162 | 49 | 1,320 | 14 | 273 | 24 |
| Uruguay | 1,304 | 0.41 | 1,376 | 0.46 | 6 | 10 | 31 | 72 | 32,967 | (2) | 4,677 | 2 |
| Venezuela | 3,915 | 0.19 | 3,758 | 0.23 | 4 | 5 | 41 | 65 | 48,833 | 18 | 5,767 | 44 |
| ASIA | 468,661 | 0.14 | 455,997 | 0.16 | 30 | 34 | 84 | 118 | 5,565,425 | 38 | 1,366,519 | 21 |
| Afghanistan, Islamic State | 8,054 | 0.46 | 8,054 | 0.53 | 31 | 37 | 7 | 5 | 843 | 6 | X | X |
| Armenia | X | X | X | X | X | X | X | X | 14,615 | 9 | 1,864 | 27 |
| Azerbaijan | 2,000 | 0.27 | 1,970 | 0.31 | 64 | 58 | X | 27 | 35,667 | (6) | 3,800 | (14) |
| Bangladesh | 9,694 | 0.08 | 9,131 | 0.10 | 19 | 32 | 61 | 98 | 5,283 | 12 | X | X |
| Bhutan | 134 | 0.08 | 127 | 0.10 | 24 | 25 | 2 | 1 | 49 | 23 | X | X |
| Cambodia | 2,400 | 0.25 | 1,550 | 0.22 | 6 | 4 | 3 | 6 | 1,365 | 1 | 20 | 0 |
| China | 95,975 | 0.08 | 99,254 | 0.10 | 45 | 52 | 184 | 261 | 770,295 | X | 49,357 | X |
| Georgia, Rep | 1,000 | 0.18 | 990 | 0.19 | 43 | 44 | X | 54 | 22,500 | (14) | 1,367 | (11) |
| India | 169,650 | 0.19 | 168,520 | 0.23 | 24 | 28 | 46 | 73 | 1,131,395 | 124 | 3,067 | 17 |
| Indonesia | 30,987 | 0.16 | 26,000 | 0.16 | 17 | 15 | 58 | 85 | 34,660 | 234 | 17,467 | 15 |
| Iran, Islamic Rep | 18,150 | 0.28 | 15,210 | 0.34 | 37 | 51 | 68 | 52 | 117,333 | 19 | 2,750 | (5) |
| Iraq | 5,450 | 0.28 | 5,450 | 0.38 | 32 | 47 | 17 | 52 | 32,333 | (4) | 1,933 | (22) |
| Israel | 435 | 0.08 | 407 | 0.10 | 53 | 42 | 206 | 225 | 25,513 | (6) | 257 | (26) |
| Japan | 4,463 | 0.04 | 4,806 | 0.04 | 63 | 63 | 437 | 407 | 2,003,333 | 26 | 1,161,667 | 15 |
| Jordan | 405 | 0.08 | 347 | 0.10 | 11 | 16 | 47 | 34 | 5,800 | 21 | 77 | 19 |
| Kazakhstan, Rep | 34,800 | 2.05 | 35,949 | 2.33 | 6 | 6 | X | 14 | 203,333 | (16) | 85,667 | (26) |
| Korea, Dem People's Rep | 2,000 | 0.09 | 1,935 | 0.10 | 61 | 73 | 409 | 315 | 74,667 | 21 | X | X |
| Korea, Rep | 2,055 | 0.05 | 2,167 | 0.05 | 61 | 65 | 331 | 474 | 64,644 | 747 | 60,999 | 939 |
| Kuwait | 5 | 0.00 | 2 | 0.00 | 50 | 40 | 420 | 200 | 107 | 357 | X | X |
| Kyrgyz Rep | 1,420 | 0.31 | 1,440 | 0.38 | 68 | 67 | X | 20 | 25,133 | (8) | 3,500 | (30) |
| Lao People's Dem Rep | 805 | 0.17 | 760 | 0.22 | 15 | 15 | 1 | 4 | 887 | 24 | X | X |
| Lebanon | 306 | 0.11 | 298 | 0.11 | 29 | 28 | 119 | 118 | 3,000 | 0 | 95 | 6 |
| Malaysia | 4,880 | 0.25 | 4,860 | 0.33 | 7 | 7 | 116 | 212 | 12,433 | 38 | X | X |
| Mongolia | 1,401 | 0.60 | 1,314 | 0.73 | 3 | 6 | 12 | 4 | 11,667 | 9 | 2,583 | 2 |
| Myanmar | 10,087 | 0.23 | 10,077 | 0.28 | 10 | 10 | 16 | 19 | 10,667 | 18 | 49 | 54 |
| Nepal | 2,354 | 0.11 | 2,319 | 0.14 | 27 | 37 | 16 | 31 | 4,567 | 70 | X | X |
| Oman | 63 | 0.03 | 43 | 0.03 | X | X | 32 | 143 | 149 | 43 | 44 | 241 |
| Pakistan | 21,250 | 0.16 | 20,340 | 0.21 | 76 | 80 | 59 | 101 | 279,501 | 112 | 1,633 | 173 |
| Philippines | 9,190 | 0.14 | 8,880 | 0.17 | 15 | 17 | 40 | 61 | 11,333 | 22 | 693 | 34 |
| Saudi Arabia | 3,740 | 0.22 | 2,270 | 0.20 | 18 | 12 | 95 | 122 | 2,067 | 38 | 657 | 30 |
| Singapore | 1 | 0.00 | 6 | 0.00 | X | X | 783 | 5,600 | 65 | 29 | X | X |
| Sri Lanka | 1,900 | 0.11 | 1,869 | 0.12 | 29 | 29 | 90 | 111 | 32,733 | 25 | 6 | 64 |
| Syrian Arab Rep | 5,775 | 0.42 | 5,607 | 0.58 | 10 | 15 | 32 | 65 | 69,198 | 88 | 3,336 | 18 |
| Tajikistan, Rep | 849 | 0.15 | 910 | 0.21 | 70 | 75 | X | 81 | 35,238 | 5 | 1,267 | (16) |
| Thailand | 20,800 | 0.36 | 19,198 | 0.39 | 17 | 21 | 25 | 54 | 74,870 | 192 | 47,964 | 60 |
| Turkey | 27,535 | 0.46 | 26,618 | 0.56 | 11 | 13 | 63 | 80 | 724,430 | 40 | 11,174 | (17) |
| Turkmenistan, Rep | 1,480 | 0.38 | 2,100 | 0.68 | 48 | 91 | x | 97 | 62,021 | 57 | 14,075 | 25 |
| United Arab Emirates | 39 | 0.02 | 32 | 0.03 | 16 | 13 | 140 | 710 | 184 | 11 | 5 | 67 |
| Uzbekistan, Rep | 4,500 | 0.21 | 4,640 | 0.27 | 79 | 92 | X | 150 | 178,333 | 4 | 7,733 | (29) |
| Viet Nam | 6,700 | 0.09 | 6,590 | 0.11 | 26 | 28 | 57 | 136 | 36,667 | 29 | X | X |
| Yemen, Rep | 1,481 | 0.11 | 1,465 | 0.16 | 20 | 24 | X | X | X | X | X | X |
| OCEANIA | 51,500 | 1.86 | 49,573 | 2.09 | 4 | 5 | 35 | 41 | 401,469 | (5) | 60,136 | (3) |
| Australia | 46,486 | 2.64 | 44,975 | 2.97 | 4 | 4 | 26 | 32 | 315,333 | (3) | 56,533 | (2) |
| Fiji | 260 | 0.34 | 185 | 0.27 | 1 | 0 | 59 | 56 | 7,051 | 43 | X | X |
| New Zealand | 3,800 | 1.09 | 3,500 | 1.10 | 6 | 7 | 153 | 154 | 75,667 | (16) | 3,050 | (21) |
| Papua New Guinea | 415 | 0.10 | 374 | 0.11 | 0 | 0 | 18 | 31 | 1,140 | (8) | 475 | 14 |
| Solomon Islands | 57 | 0.16 | 53 | 0.21 | 0 | 0 | 0 | 0 | 0 | X | X | X |

Sources: Food and Agriculture Organization of the United Nations and the United Nations Population Division.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium. b. Data are from 1992. World and regional totals might include countries not listed here.

X = not available; negative numbers are shown in parentheses. For additional information, see Sources and Technical Notes.

Data Table 10.3 Livestock Populations and Grain Consumed as Feed, 1982–94

| | Cattle | | Sheep and Goats | | Pigs | | Equines | | Buffaloes and Camels | | Chickens | | Grains Fed to Livestock as Percent of Total Grain Consumption | |
|--------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|---------------------------|------------------------------|---|-----------|
| | Annual Average (000) | Percent Change Since 1982-84 | Annual Average (000) | Percent Change Since 1982-84 | Annual Average (000) | Percent Change Since 1982-84 | Annual Average (000) | Percent Change Since 1982-84 | Annual Average (000) | Percent Change Since 1982-84 | Annual Average (millions) | Percent Change Since 1982-84 | 1974 | 1994 |
| | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1992-94 | 1982-84 | 1974 | 1994 |
| WORLD | 1,283,702 | 3 | 1,699,921 | 6 | 869,872 | 12 | 118,215 | 5 | 166,949 | 13 | 12,638 | 48 | 38 | 38 |
| AFRICA | 190,361 | 8 | 379,161 | 15 | 20,162 | 90 | 19,482 | 13 | 16,953 | 7 | 975 | 49 | 6 | 15 |
| Algeria | 1,351 | (11) | 20,589 | 17 | 6 | 20 | 504 | (34) | 120 | (16) | 77 | 55 | 0 | 22 |
| Angola | 3,243 | (0) | 1,817 | 14 | 815 | 21 | 6 | 0 | 0 | X | 6 | 0 | 0 | 0 |
| Benin | 1,139 | 30 | 2,099 | 1 | 545 | 36 | 7 | 0 | 0 | X | 24 | 53 | 0 | 0 |
| Botswana | 2,767 | (2) | 2,690 | 190 | 16 | 172 | 191 | 16 | 0 | X | 2 | 133 | 0 | 0 |
| Burkina Faso | 4,178 | 43 | 12,627 | 49 | 540 | 54 | 459 | 23 | 12 | 9 | 18 | 41 | 0 | 2 |
| Burundi | 407 | (3) | 1,260 | 14 | 93 | 35 | 0 | X | 0 | X | 4 | 33 | 0 | 0 |
| Cameroon | 4,821 | 38 | 7,398 | 83 | 1,380 | 68 | 51 | (10) | 0 | X | 20 | 119 | 0 | 0 |
| Central African Rep | 2,752 | 37 | 1,478 | 32 | 476 | 48 | 0 | X | 0 | X | 3 | 50 | X | 0 |
| Chad | 4,548 | 5 | 5,176 | 8 | 16 | 60 | 458 | 5 | 577 | 24 | 4 | 33 | 0 | 0 |
| Congo | 67 | (3) | 414 | 50 | 56 | 114 | 0 | X | 0 | X | 2 | 20 | 0 | 0 |
| Cote d'Ivoire | 1,206 | 53 | 2,174 | 15 | 393 | 21 | 0 | X | 0 | X | 26 | 44 | 6 | 3 |
| Egypt | 3,006 | 69 | 6,485 | 41 | 27 | 22 | 1,611 | (11) | 3,408 | 32 | 46 | 24 | 9 | 35 |
| Equatorial Guinea | 5 | 25 | 44 | 7 | 5 | 0 | 0 | X | 0 | X | 0 | X | X | X |
| Eritrea | 1,533 | 4 | 2,897 | 5 | 0 | X | 0 | X | 68 | (1) | 4 | 20 | X | X |
| Ethiopia | 19,633 | X | 20,500 | 16 | 13 | X | 3,280 | (52) | 357 | (65) | 20 | (63) | 0 | 0 |
| Gabon | 37 | 511 | 253 | 29 | 165 | 51 | 0 | X | 0 | X | 3 | 33 | 0 | 0 |
| Gambia, The | 405 | 38 | 271 | (14) | 11 | 0 | 46 | (5) | 0 | X | 1 | X | 0 | 0 |
| Ghana | 1,410 | 41 | 5,599 | 52 | 501 | 30 | 15 | (25) | 0 | X | 12 | 67 | 2 | 3 |
| Guinea | 1,640 | 9 | 969 | 9 | 33 | (22) | 3 | (10) | 0 | X | 14 | 46 | 0 | 0 |
| Guinea-Bissau | 473 | 52 | 521 | 35 | 307 | 12 | 7 | 75 | 0 | X | 1 | 50 | 0 | 0 |
| Kenya | 11,333 | (7) | 13,079 | (5) | 106 | 14 | 2 | 0 | 812 | 18 | 25 | 43 | 0 | 2 |
| Lesotho | 638 | 17 | 2,659 | 22 | 76 | 34 | 287 | 34 | 0 | X | 1 | 0 | 0 | 25 |
| Liberia | 36 | (14) | 432 | (6) | 120 | 4 | 0 | X | 0 | X | 4 | 33 | 0 | 0 |
| Libya | 83 | (49) | 4,967 | (26) | 0 | X | 77 | (22) | 127 | (33) | 18 | 57 | 0 | 27 |
| Madagascar | 10,284 | (0) | 2,008 | (5) | 1,525 | 20 | 0 | (100) | 0 | X | 30 | 40 | 0 | 0 |
| Malawi | 972 | 6 | 1,084 | 28 | 241 | 21 | 2 | 200 | 0 | X | 9 | 13 | 0 | 2 |
| Mali | 5,432 | (5) | 12,608 | 11 | 67 | 33 | 696 | (3) | 247 | 10 | 23 | 39 | 0 | 2 |
| Mauritania | 1,070 | (16) | 8,100 | 14 | 0 | X | 173 | 9 | 1,017 | 33 | 4 | 33 | 0 | 0 |
| Mauritius | 34 | 28 | 102 | 28 | 15 | 44 | 0 | X | 0 | X | 3 | 33 | 0 | 0 |
| Morocco | 2,875 | 18 | 21,214 | 34 | 10 | 32 | 1,630 | 21 | 36 | (40) | 82 | 172 | 1 | 26 |
| Mozambique | 1,250 | (5) | 505 | 9 | 171 | 27 | 20 | 0 | 0 | X | 23 | 17 | 0 | 0 |
| Namibia | 2,093 | 11 | 4,399 | 15 | 18 | 2 | 135 | 13 | 0 | X | 2 | 100 | X | X |
| Niger | 1,947 | (36) | 9,333 | (3) | 39 | 16 | 532 | (21) | 368 | (4) | 20 | 76 | 0 | 0 |
| Nigeria | 16,244 | 29 | 38,651 | 60 | 6,305 | 473 | 1,215 | 30 | 18 | 0 | 120 | 33 | 0 | 1 |
| Rwanda | 610 | (4) | 1,498 | 16 | 130 | 12 | 0 | X | 0 | X | 1 | 0 | 0 | 7 |
| Senegal | 2,750 | 22 | 7,527 | 141 | 320 | 69 | 845 | 104 | 15 | 156 | 33 | 223 | 0 | 0 |
| Sierra Leone | 357 | 1 | 461 | 4 | 50 | 24 | 0 | X | 0 | X | 6 | 38 | 0 | 2 |
| Somalia | 4,000 | (8) | 22,000 | (26) | 6 | (43) | 43 | (9) | 5,900 | (4) | 2 | (22) | 41 | 4 |
| South Africa | 12,720 | (3) | 35,975 | (7) | 1,511 | 7 | 454 | 0 | 0 | X | 41 | 27 | 34 | 33 |
| Sudan | 21,650 | 4 | 38,773 | 17 | 0 | X | 699 | (2) | 2,835 | 2 | 35 | 19 | 0 | 0 |
| Swaziland | 660 | 5 | 449 | 26 | 31 | 82 | 13 | (22) | 0 | X | 1 | 0 | 0 | 0 |
| Tanzania | 13,296 | 2 | 13,206 | 34 | 333 | 87 | 177 | 6 | 0 | X | 27 | 48 | 0 | 3 |
| Togo | 250 | 5 | 3,166 | 142 | 861 | 279 | 5 | 167 | 0 | X | 6 | 200 | 0 | 21 |
| Tunisia | 652 | 10 | 8,266 | 32 | 6 | 64 | 366 | 10 | 231 | 32 | 39 | 38 | 12 | 29 |
| Uganda | 5,133 | 5 | 5,133 | 15 | 887 | 310 | 17 | 6 | 0 | X | 20 | 28 | 0 | 0 |
| Zaire | 1,649 | 34 | 5,175 | 49 | 1,145 | 65 | 0 | X | 0 | X | 35 | 130 | 0 | 0 |
| Zambia | 3,200 | 37 | 660 | 60 | 293 | 45 | 2 | 100 | 0 | X | 21 | 48 | 6 | 4 |
| Zimbabwe | 4,400 | (21) | 3,066 | 94 | 278 | 53 | 128 | 9 | 0 | X | 12 | 48 | 13 | 9 |
| EUROPE | 110,006 | (17) | 149,419 | 3 | 170,256 | (3) | 5,455 | (19) | 135 | (31) | 1,297 | (1) | 62 | 59 |
| Albania | 627 | 2 | 3,138 | 43 | 90 | (56) | 187 | 42 | 2 | 0 | 3 | (25) | 0 | 0 |
| Austria | 2,432 | (5) | 369 | 57 | 3,750 | (5) | 62 | 50 | 0 | X | 14 | (7) | 67 | 69 |
| Belarus, Rep | 6,216 | (12) | 377 | (37) | 4,395 | (11) | 222 | (2) | 20 | X | 49 | 15 | X | 70 |
| Belgium (a) | 3,301 | 6 | 174 | 47 | 6,836 | 32 | 21 | (30) | 0 | X | 35 | 9 | 56 | 44 |
| Bosnia and Herzegovina | 438 | X | 724 | X | 454 | X | 59 | X | 1 | X | 8 | X | X | X |
| Bulgaria | 1,011 | (43) | 5,707 | (50) | 2,631 | (31) | 444 | (10) | 21 | (47) | 18 | (56) | 71 | 55 |
| Croatia, Rep | 566 | X | 613 | X | 1,264 | X | 38 | X | 0 | X | 13 | X | X | X |
| Czech Rep | 2,525 | X | 309 | X | 4,426 | X | 19 | X | 0 | X | 27 | X | X | 62 |
| Denmark | 2,126 | (25) | 90 | 74 | 10,693 | 18 | 23 | (31) | 0 | X | 20 | 26 | 82 | 81 |
| Estonia, Rep | 595 | (29) | 116 | (42) | 588 | (45) | 7 | X | 0 | X | 4 | (43) | X | 64 |
| Finland | 1,242 | (25) | 73 | (20) | 1,322 | (9) | 49 | 41 | 0 | X | 5 | (33) | 69 | 60 |
| France | 20,470 | (14) | 11,573 | (19) | 12,672 | 11 | 367 | 7 | 0 | X | 263 | 23 | 66 | 65 |
| Germany | 16,307 | (22) | 2,492 | (28) | 26,061 | (26) | 518 | 17 | 0 | X | 102 | (23) | X | 60 |
| Greece | 618 | (22) | 15,265 | 19 | 1,103 | 5 | 203 | (49) | 1 | 0 | 27 | (9) | 51 | 52 |
| Hungary | 1,194 | (38) | 1,643 | (47) | 5,453 | (40) | 77 | (33) | 0 | X | 37 | (43) | 71 | 75 |
| Iceland | 76 | 13 | 500 | (31) | 21 | 85 | 78 | 49 | 0 | X | 0 | X | X | X |
| Ireland | 6,244 | 8 | 6,044 | 130 | 1,419 | 32 | 68 | (17) | 0 | X | 11 | 31 | 66 | 63 |
| Italy | 7,823 | (8) | 11,730 | 4 | 8,352 | (6) | 381 | (13) | 89 | (17) | 159 | 3 | 46 | 48 |
| Latvia, Rep | 1,174 | (19) | 166 | (19) | 950 | (44) | 29 | (13) | 0 | X | 6 | (51) | X | 64 |
| Lithuania, Rep | 1,849 | (22) | 61 | (34) | 1,580 | (40) | 79 | 2 | 0 | X | 11 | (26) | X | 63 |
| Macedonia, former Yugoslav Rep | 280 | X | 2,405 | X | 179 | X | 63 | X | 1 | X | 4 | X | X | X |
| Moldova, Rep | 962 | (22) | 1,361 | 17 | 1,468 | (21) | 53 | X | 0 | X | 21 | 5 | X | 50 |
| Netherlands | 4,766 | (12) | 2,079 | 158 | 13,809 | 29 | 65 | 7 | 0 | X | 110 | 28 | 65 | 40 |
| Norway | 998 | 1 | 2,421 | 2 | 752 | 7 | 21 | 39 | 0 | X | 4 | 0 | 67 | 66 |
| Poland, Rep | 7,853 | (31) | 1,336 | (68) | 20,137 | 17 | 821 | (49) | 0 | X | 55 | (16) | 67 | 61 |
| Portugal | 1,361 | 3 | 6,771 | 22 | 1,825 | (46) | 275 | (8) | 0 | X | 27 | 35 | 55 | 58 |
| Romania | 3,878 | (40) | 13,331 | (26) | 10,023 | (24) | 775 | 19 | 0 | X | 96 | (11) | 66 | 65 |
| Russian Federation | 51,934 | (12) | 50,108 | (23) | 31,835 | (15) | 2,571 | X | 133 | X | 641 | 7 | X | 57 |
| Spain | 4,998 | (1) | 26,949 | 35 | 18,227 | 53 | 413 | (29) | 0 | X | 51 | (3) | 64 | 68 |
| Slovak Rep | 1,165 | X | 508 | X | 2,292 | X | 0 | X | 0 | X | 15 | X | X | 64 |
| Slovenia, Rep | 497 | X | 31 | X | 584 | X | 0 | X | 0 | X | 11 | X | X | X |
| Sweden | 1,825 | (4) | 467 | 7 | 2,238 | (17) | 81 | 42 | 0 | X | 13 | (3) | 77 | 75 |
| Switzerland | 1,743 | (10) | 477 | 11 | 1,693 | (19) | 56 | 15 | 0 | X | 6 | 0 | 60 | 55 |
| Ukraine | 22,597 | (12) | 7,310 | (19) | 16,437 | (20) | 731 | (10) | 0 | X | 207 | (12) | X | 59 |
| United Kingdom | 11,688 | (11) | 29,375 | 29 | 7,828 | (2) | 183 | 7 | 0 | X | 138 | 14 | 57 | 50 |
| Yugoslavia, Fed Rep | 1,925 | X | 2,740 | X | 3,979 | X | 84 | 302 | 19 | X | 23 | X | 57 | b 52 |

Data Table 10.3 continued

| | Cattle | | Sheep and Goats | | Pigs | | Equines | | Buffaloes and Camels | | Chickens | | Grains Fed to Livestock as Percent of Total Grain Consumption | |
|------------------------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|----------------|---|-----------|
| | Annual Average | Percent Change | Annual Average | Percent Change | Annual Average | Percent Change | Annual Average | Percent Change | Annual Average | Percent Change | Annual Average | Percent Change | 1974 | 1994 |
| | (000) | Since 1982-84 | (000) | Since 1982-84 | (000) | Since 1982-84 | (000) | Since 1982-84 | (000) | Since 1982-84 | (millions) | Since 1982-84 | | |
| NORTH & CENTRAL AMERICA | 161,223 | (9) | 32,036 | (7) | 91,825 | 1 | 20,915 | (1) | 9 | 13 | 2,145 | 37 | 68 | 65 |
| Belize | 57 | 14 | 5 | 25 | 26 | 32 | 9 | 0 | 0 | X | 1 | 50 | X | X |
| Canada | 11,935 | 0 | 697 | 19 | 10,846 | 8 | 426 | 12 | 0 | X | 103 | 5 | 75 | 76 |
| Costa Rica | 1,983 | (16) | 5 | 0 | 247 | 6 | 126 | 1 | 0 | X | 14 | 126 | 29 | 51 |
| Cuba | 4,567 | (11) | 420 | (11) | 1,603 | (1) | 632 | (23) | 0 | X | 25 | (0) | 0 | 0 |
| Dominican Rep | 2,392 | 17 | 702 | 30 | 833 | 168 | 607 | 32 | 0 | X | 33 | 37 | 27 | 58 |
| El Salvador | 1,237 | 31 | 20 | 11 | 322 | (18) | 122 | 6 | 0 | X | 4 | (8) | 21 | 24 |
| Guatemala | 2,181 | 2 | 515 | (27) | 695 | 14 | 163 | 12 | 0 | X | 16 | 12 | 7 | 25 |
| Haiti | 800 | (36) | 995 | (5) | 200 | (65) | 690 | (4) | 0 | X | 5 | (25) | 0 | 2 |
| Honduras | 2,238 | (7) | 41 | 33 | 597 | 35 | 281 | 9 | 0 | X | 11 | 100 | 9 | 47 |
| Jamaica | 328 | 15 | 443 | 7 | 180 | (11) | 37 | (3) | 0 | X | 8 | 53 | 0 | 32 |
| Mexico | 30,503 | 1 | 16,613 | 2 | 17,111 | (10) | 12,588 | 1 | 0 | X | 300 | 42 | 23 | 38 |
| Nicaragua | 1,645 | (28) | 10 | 11 | 538 | (10) | 302 | (6) | 0 | X | 6 | 27 | 22 | 5 |
| Panama | 1,434 | (2) | 5 | (17) | 292 | 47 | 160 | 20 | 0 | X | 8 | 47 | 7 | 39 |
| Trinidad and Tobago | 55 | (16) | 66 | 15 | 50 | (28) | 5 | 0 | 9 | 13 | 11 | 19 | 0 | 35 |
| United States | 99,240 | (13) | 10,946 | (20) | 57,918 | 2 | 4,719 | (9) | 0 | X | 1,580 | 39 | 75 | 68 |
| SOUTH AMERICA | 279,363 | 13 | 118,854 | (0) | 50,885 | (1) | 22,295 | 11 | 1,430 | 101 | 1,138 | 51 | 39 | 52 |
| Argentina | 50,292 | (6) | 24,767 | (24) | 2,167 | (43) | 3,587 | 10 | 0 | X | 64 | 35 | 43 | 51 |
| Bolivia | 5,862 | 14 | 9,071 | (1) | 2,277 | 29 | 1,036 | 4 | 0 | X | 34 | 173 | 17 | 34 |
| Brazil | 152,710 | 22 | 32,332 | 17 | 32,007 | (1) | 9,575 | 13 | 1,429 | 101 | 670 | 42 | 47 | 60 |
| Chile | 3,570 | (5) | 5,256 | (21) | 1,307 | 18 | 531 | 5 | 0 | X | 53 | 119 | 22 | 34 |
| Colombia | 25,265 | 5 | 3,507 | 4 | 2,638 | 18 | 3,330 | 10 | 0 | X | 71 | 108 | 16 | 30 |
| Ecuador | 4,821 | 44 | 1,978 | 34 | 2,502 | (32) | 939 | 46 | 0 | X | 57 | 70 | 12 | 38 |
| Guyana | 190 | 19 | 209 | 7 | 45 | (26) | 3 | 0 | 0 | X | 11 | (13) | 4 | 5 |
| Paraguay | 7,962 | 19 | 495 | 4 | 2,983 | 180 | 390 | 10 | 0 | X | 13 | 8 | 0 | 2 |
| Peru | 3,965 | (4) | 13,565 | (9) | 2,371 | 5 | 1,411 | 4 | 0 | X | 64 | 45 | 26 | 38 |
| Suriname | 97 | 74 | 18 | 135 | 37 | 79 | 0 | X | 1 | X | 6 | 20 | 0 | 0 |
| Uruguay | 9,972 | (0) | 24,614 | 20 | 224 | (14) | 482 | 3 | 0 | X | 9 | 56 | 32 | 13 |
| Venezuela | 14,641 | 29 | 2,317 | 37 | 2,317 | (9) | 1,007 | 3 | 0 | X | 86 | 74 | 33 | 33 |
| ASIA | 402,804 | 10 | 700,609 | 13 | 470,092 | 29 | 43,627 | 6 | 147,787 | 13 | 5,894 | 91 | 8 | 18 |
| Afghanistan, Islamic State | 1,500 | (54) | 16,350 | (17) | 0 | X | 1,524 | (13) | 265 | 0 | 7 | 0 | 0 | 0 |
| Armenia | 0 | X | 781 | (64) | 82 | (69) | 12 | X | 0 | X | 3 | (72) | X | 19 |
| Azerbaijan | 1,709 | (8) | 4,913 | (9) | 126 | (37) | 38 | X | 40 | X | 26 | 7 | X | 28 |
| Bangladesh | 23,844 | 7 | 26,998 | 132 | 0 | X | 0 | X | 857 | 68 | 124 | 61 | 0 | 0 |
| Bhutan | 429 | 26 | 96 | 153 | 74 | 28 | 57 | 33 | 4 | (33) | 0 | X | X | 0 |
| Cambodia | 2,508 | 95 | 0 | X | 2,080 | 144 | 20 | 100 | 812 | 50 | 14 | 105 | 0 | 0 |
| China | 86,469 | 53 | 210,519 | 18 | 392,182 | 29 | 26,605 | 9 | 22,624 | 15 | 2,995 | 129 | 9 | 23 |
| Georgia, Rep | 1,132 | (29) | 1,442 | (28) | 707 | (32) | 21 | X | 20 | X | 19 | (3) | X | 21 |
| India | 192,777 | (1) | 162,132 | 11 | 11,630 | 14 | 2,672 | 29 | 80,153 | 10 | 437 | 136 | 1 | 3 |
| Indonesia | 11,298 | 28 | 18,197 | 38 | 8,357 | 92 | 706 | 15 | 3,454 | 35 | 647 | 128 | 2 | 9 |
| Iran, Islamic Rep | 7,000 | 15 | 68,700 | 22 | 0 | X | 2,288 | (13) | 440 | 13 | 180 | 53 | 11 | 18 |
| Iraq | 1,117 | (34) | 7,393 | (40) | 0 | X | 192 | (63) | 116 | (53) | 24 | (61) | 0 | 23 |
| Israel | 356 | 17 | 444 | 15 | 100 | (11) | 11 | 0 | 10 | (9) | 27 | (17) | 66 | 60 |
| Japan | 4,998 | 9 | 60 | (22) | 10,790 | 5 | 27 | 14 | 0 | X | 331 | 7 | 39 | 46 |
| Jordan | 41 | 33 | 2,553 | 75 | 0 | X | 26 | (12) | 18 | 15 | 76 | 144 | 21 | 54 |
| Kazakhstan, Rep | 9,336 | 4 | 34,409 | (4) | 2,610 | (9) | 1,513 | X | 170 | X | 59 | 18 | X | 54 |
| Korea, Dem People's Rep | 1,310 | 31 | 694 | 19 | 3,323 | 33 | 51 | 17 | 0 | X | 22 | 24 | 0 | 0 |
| Korea, Rep | 2,847 | 29 | 511 | 53 | 5,897 | 101 | 6 | 89 | 0 | X | 74 | 58 | 7 | 50 |
| Kuwait | 10 | (58) | 147 | (48) | 0 | X | 0 | (100) | 1 | (86) | 9 | (31) | 26 | 25 |
| Kyrgyz Rep | 1,093 | 9 | 8,513 | (17) | 237 | (21) | 318 | X | 50 | X | 13 | 18 | X | 46 |
| Lao People's Dem Rep | 1,047 | 109 | 134 | 124 | 1,575 | 22 | 29 | (21) | 1,202 | 31 | 9 | 35 | 0 | 0 |
| Lebanon | 77 | 54 | 706 | 20 | 41 | 81 | 43 | 171 | 1 | X | 23 | 0 | 30 | 35 |
| Malaysia | 713 | 21 | 659 | 63 | 2,975 | 45 | 5 | 0 | 189 | (24) | 105 | 66 | 3 | 46 |
| Mongolia | 2,777 | 17 | 20,239 | 5 | 60 | 52 | 2,186 | 10 | 435 | (25) | 0 | X | 0 | 0 |
| Myanmar | 9,582 | 3 | 1,391 | 6 | 2,544 | (8) | 128 | (2) | 2,113 | 3 | 29 | (21) | 0 | 0 |
| Nepal | 6,343 | (6) | 6,373 | 15 | 614 | 52 | 0 | X | 3,102 | 20 | 7 | 22 | 0 | 0 |
| Oman | 142 | 15 | 882 | 6 | 0 | X | 26 | 13 | 94 | 33 | 3 | 200 | 0 | 0 |
| Pakistan | 17,890 | 11 | 67,922 | 32 | 0 | X | 4,208 | 34 | 19,731 | 48 | 95 | 63 | 2 | 4 |
| Philippines | 1,778 | (7) | 2,564 | 26 | 8,068 | 3 | 207 | 9 | 2,589 | (12) | 74 | 13 | 12 | 25 |
| Saudi Arabia | 202 | (29) | 11,091 | 18 | 0 | X | 103 | (10) | 413 | 16 | 81 | 98 | 5 | 74 |
| Singapore | 0 | (100) | 1 | (57) | 167 | (79) | 0 | X | 0 | X | 2 | (86) | 35 | 20 |
| Sri Lanka | 1,589 | (7) | 519 | (6) | 90 | 14 | 2 | 0 | 879 | (4) | 9 | 42 | 0 | 0 |
| Syrian Arab Rep | 747 | (2) | 13,661 | 0 | 1 | X | 224 | (25) | 4 | (59) | 18 | 22 | 3 | 29 |
| Tajikistan, Rep | 1,239 | (5) | 2,921 | (6) | 47 | (72) | 86 | X | 50 | X | 4 | (41) | X | 17 |
| Thailand | 6,866 | 45 | 286 | 199 | 5,007 | 20 | 67 | 247 | 4,622 | (27) | 151 | 72 | 4 | 30 |
| Turkey | 11,945 | (20) | 49,580 | (26) | 10 | (14) | 1,551 | (32) | 347 | (60) | 161 | 155 | 22 | 31 |
| Turkmenistan, Rep | 962 | 37 | 6,060 | 34 | 203 | 1 | 46 | X | 40 | X | 7 | 22 | X | 46 |
| United Arab Emirates | 60 | 96 | 1,125 | 99 | 0 | X | 0 | X | 136 | 93 | 7 | 83 | 0 | 20 |
| Uzbekistan, Rep | 5,226 | 35 | 9,376 | (2) | 525 | (25) | 269 | X | 112 | X | 33 | 11 | X | 28 |
| Viet Nam | 3,298 | 68 | 303 | 37 | 14,033 | 30 | 134 | 12 | 2,951 | 21 | 113 | 48 | 0 | 0 |
| Yemen, Rep | 1,143 | 10 | 6,943 | 11 | 0 | X | 503 | (19) | 172 | 17 | 21 | 148 | 0 | 0 |
| OCEANIA | 33,421 | 6 | 191,930 | (8) | X | X | X | X | X | X | X | X | 46 | 54 |
| Australia | 24,225 | 5 | 139,915 | 2 | 2,726 | 11 | 280 | (38) | 0 | X | 65 | 36 | 46 | 60 |
| Fiji | 312 | 34 | 201 | 16 | 107 | 50 | 43 | 8 | 0 | X | 3 | 50 | 0 | 0 |
| New Zealand | 8,456 | 9 | 51,730 | (26) | 424 | 2 | 83 | (13) | 0 | X | 10 | 43 | 50 | 47 |
| Papua New Guinea | 105 | (14) | 6 | 50 | 1,022 | 12 | 2 | 100 | 0 | X | 3 | 50 | 0 | 0 |
| Solomon Islands | 13 | (44) | 0 | X | 55 | 15 | 0 | X | 0 | X | 0 | X | X | X |

Sources: Food and Agriculture Organization of the United Nations and the United States Department of Agriculture.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium. b. Data are for the area of the former Yugoslavia.

World and regional totals include some countries not listed here.

0 = zero or less than half the unit of measure; X = not available; negative numbers are shown in parentheses. For additional information, see Sources and Technical Notes.

Data Table 10.4 Food Trade and Aid, 1981–93

| | Average Annual Net Trade in Food | | | | | | Average Annual Donations or Receipts of Food Aid | | | | | |
|--------------------------------|----------------------------------|-----------------|------------------|------------------|----------------|------------------|--|--------------|---------------|------------|----------------|---------------|
| | Cereals | | Oils | | Pulses | | Cereals | | Oils | | Milk | |
| | (000 metric tons) | | (metric tons) | | (metric tons) | | (000 metric tons) | | Kg Per Capita | | (metric tons) | |
| | 1981-83 | 1991-93 | 1981-83 | 1991-93 | 1981-83 | 1991-93 | 1980-82 | 1990-92 | 1980-82 | 1990-92 | 1990-92 | 1990-92 |
| WORLD | | | | | | | | | | | | |
| AFRICA | 20,123 | 31,328 | 1,025,867 | 1,863,785 | 164,824 | 459,234 | 4,371 | 6,077 | 9 | 7 | 205,935 | 47,221 |
| Algeria | 3,527 | 5,184 | 216,258 | 270,651 | 98,600 | 92,986 | 18 | 20 | 1 | 1 | 787 | 978 |
| Angola | 289 | 321 | 31,191 | 45,478 | 25,390 | 29,994 | 37 | 108 | 5 | 4 | 6,895 | 682 |
| Benin | 101 | 156 | 15,862 | 8,317 | 212 | 118 | 8 | 11 | 2 | 2 | 915 | 277 |
| Botswana | 77 | 119 | 3,174 | 4,474 | (120) | 1,947 | 13 | 3 | 13 | 10 | 561 | 597 |
| Burkina Faso | 69 | 145 | 6,430 | 5,518 | (2,772) | (300) | 56 | 57 | 8 | 6 | 2,815 | 1,277 |
| Burundi | 19 | 24 | 1,007 | 832 | 0 | 0 | 10 | 3 | 2 | 2 | 211 | 695 |
| Cameroon | 133 | 296 | 9,885 | 17,853 | (12) | 50 | 8 | 6 | 1 | 1 | 470 | 169 |
| Central African Rep | 16 | 30 | 271 | 2,331 | 25 | 27 | 2 | 4 | 1 | 1 | 216 | 206 |
| Chad | 39 | 64 | 0 | (8) | (179) | 0 | 20 | 31 | 4 | 3 | 396 | 920 |
| Congo | 69 | 134 | 3,020 | 5,253 | 18 | 1,570 | 2 | 11 | 1 | 1 | 839 | 116 |
| Cote d'Ivoire | 566 | 555 | 72,465 | 150,677 | 145 | 650 | 1 | 45 | 0 | 0 | 887 | 374 |
| Egypt | 7,326 | 7,144 | 314,631 | 721,161 | 98,000 | 188,387 | 1,860 | 1,124 | 41 | 32 | 9,264 | 2,783 |
| Equatorial Guinea | 5 | 9 | 0 | 2,704 | 0 | 35 | 3 | 4 | 15 | 9 | 5 | 274 |
| Eritrea | X | X | X | X | X | X | X | 13 | X | 0 | X | X |
| Ethiopia | 278 | 620 | 3,275 | 39,484 | (34,162) | 14,880 | 176 | 907 | 5 | 4 | 39,873 | 6,122 |
| Gabon | 42 | 75 | 1,503 | 2,437 | 36 | 15 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gambia, The | 38 | 93 | (7,651) | 4,598 | 0 | 0 | 15 | 9 | 22 | 15 | 640 | 35 |
| Ghana | 188 | 369 | 4,470 | 3,915 | 70 | 973 | 82 | 113 | 7 | 5 | 1,644 | 524 |
| Guinea | 112 | 323 | 2,018 | 9,679 | 0 | (385) | 32 | 24 | 7 | 5 | 617 | 4 |
| Guinea-Bissau | 34 | 72 | 486 | 2,242 | 59 | 57 | 25 | 9 | 30 | 25 | 671 | 337 |
| Kenya | 148 | 483 | 91,730 | 149,079 | (45,352) | (36) | 129 | 172 | 7 | 5 | 3,263 | 565 |
| Lesotho | 107 | 130 | 0 | 0 | 5,193 | 4,167 | 36 | 35 | 26 | 19 | 1,181 | 486 |
| Liberia | 109 | 150 | 3,408 | 4,310 | 159 | 5,267 | 24 | 146 | 12 | 9 | 7,754 | 222 |
| Libya | 843 | 2,329 | 57,859 | 50,044 | 18,448 | 11,384 | 0 | 0 | 0 | 0 | 0 | 0 |
| Madagascar | 311 | 93 | 12,764 | 19,151 | (2,883) | (7,904) | 43 | 48 | 5 | 3 | 2,885 | 612 |
| Malawi | (4) | 362 | 519 | 4,743 | (9,808) | 8,223 | 8 | 358 | 1 | 1 | 5,368 | 748 |
| Mali | 148 | 118 | (4,869) | (891) | 22 | 0 | 46 | 37 | 7 | 5 | 949 | 286 |
| Mauritania | 198 | 310 | 9,869 | 154,105 | 3,637 | 1,327 | 73 | 59 | 46 | 35 | 1,067 | 814 |
| Mauritius | 174 | 205 | 18,126 | 21,843 | 7,424 | 9,912 | 28 | 7 | 29 | 26 | 34 | 490 |
| Morocco | 2,224 | 2,901 | 170,100 | 177,354 | (7,465) | 9,842 | 239 | 210 | 12 | 10 | 50,734 | 3,927 |
| Mozambique | 299 | 690 | 9,387 | 46,867 | 9,133 | 31,381 | 151 | 656 | 12 | 10 | 13,227 | 2,602 |
| Namibia | 63 | 141 | 0 | 0 | 8,367 | 8,000 | 0 | 14 | 0 | 0 | 502 | 181 |
| Niger | 122 | 138 | 7,462 | 13,119 | (8,363) | (49,433) | 30 | 48 | 5 | 4 | 1,348 | 934 |
| Nigeria | 1,947 | 1,203 | 238,658 | 65,118 | 2,386 | 43 | 0 | 0 | 0 | 0 | 3 | 878 |
| Rwanda | 17 | 49 | 863 | 10,625 | (797) | 2,792 | 14 | 34 | 3 | 2 | 2,008 | 1,065 |
| Senegal | 500 | 587 | (36,541) | (37,121) | 36 | 232 | 99 | 57 | 17 | 13 | 784 | 767 |
| Sierra Leone | 88 | 151 | 720 | 4,554 | 58 | 0 | 26 | 37 | 8 | 6 | 1,491 | 318 |
| Somalia | 359 | 248 | 19,816 | 10,710 | 583 | 12,333 | 218 | 168 | 31 | 25 | 7,628 | 726 |
| South Africa | (2,551) | 1,824 | (27,218) | 132,541 | 22,495 | 64,560 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sudan | 102 | 635 | (16,786) | 69,570 | 8,388 | 30,333 | 200 | 426 | 10 | 8 | 11,411 | 3,758 |
| Swaziland | 48 | 72 | 0 | 0 | 0 | 0 | 1 | 16 | 1 | 1 | 248 | 240 |
| Tanzania | 274 | 186 | 4,511 | 46,206 | (35,420) | (17,192) | 211 | 25 | 11 | 8 | 573 | 1,169 |
| Togo | 66 | 77 | 415 | 1,985 | 548 | 77 | 5 | 11 | 2 | 1 | 1,263 | 249 |
| Tunisia | 1,032 | 950 | 11,759 | 31,438 | (6,204) | 767 | 120 | 179 | 18 | 15 | 3,611 | 3,303 |
| Uganda | 27 | (22) | 0 | 13,100 | 367 | (19,737) | 41 | 49 | 3 | 2 | 1,756 | 1,005 |
| Zaire | 399 | 253 | 26,837 | 10,367 | 133 | 1,600 | 81 | 77 | 3 | 2 | 780 | 840 |
| Zambia | 222 | 372 | 8,522 | 13,105 | 221 | 339 | 117 | 291 | 20 | 14 | 4,462 | 311 |
| Zimbabwe | (328) | 421 | (422) | 8,859 | 908 | 3,924 | 6 | 331 | 1 | 1 | 6,572 | 238 |
| EUROPE | 11,309 | (26,553) | 968,973 | 1,113,441 | 580,815 | 1,149,822 | (1,253) | 1,047 | (2) | (2) | 2,026 | NA |
| Albania | 58 | 477 | 7,550 | 26,893 | (300) | 1,752 | 0 | 393 | 0 | 0 | 21,487 | X |
| Austria | (451) | (583) | 106,888 | 97,582 | 6,138 | 7,821 | (17) | (22) | (2) | (2) | 0 | NA |
| Belarus, Rep | X | 2,243 | X | X | X | X | 0 | 82 | 0 | 0 | 1,833 | 66 |
| Belgium (a) | 2,687 | 2,658 | 23,904 | (156,495) | 68,649 | 403,580 | (38) | (39) | (4) | (4) | 0 | 0 |
| Bosnia and Herzegovina | X | X | X | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 |
| Bulgaria | (105) | 36 | (13,453) | 17,386 | 3,941 | (15,011) | 0 | 100 | 0 | 0 | 1,335 | 2,822 |
| Croatia, Rep | X | (178) | X | 10,672 | X | 992 | 0 | 0 | 0 | 0 | 0 | 0 |
| Czech Rep | X | 153 | X | X | X | (92,261) | 0 | 0 | 0 | 0 | 0 | 0 |
| Denmark | (248) | (1,921) | 53,627 | 91,322 | (16,968) | (178,887) | (16) | (19) | (3) | (3) | (366) | X |
| Estonia, Rep | X | 219 | X | 3,331 | X | 140 | 0 | 140 | 0 | 0 | 0 | 0 |
| Finland | 503 | (795) | 1,133 | 8,227 | 1,293 | 2,355 | 0 | 0 | 0 | 0 | (10,434) | (4,729) |
| France | (19,378) | (30,993) | 326,807 | 31,227 | (138,374) | (1,072,512) | (170) | (197) | (3) | (3) | (2,775) | (460) |
| Germany | 5,642 | (4,648) | 114,199 | 195,530 | 119,075 | 689,258 | (172) | (243) | (2) | (2) | (11,661) | (3,479) |
| Greece | (408) | (715) | (39,411) | (59,189) | 10,135 | 38,228 | 0 | (1) | 0 | 0 | 0 | 0 |
| Hungary | (1,417) | (1,881) | (133,450) | (203,448) | (46,177) | (193,482) | 0 | 0 | 0 | 0 | 0 | 0 |
| Iceland | 21 | 22 | 1,601 | 2,687 | 334 | 240 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 357 | (2) | 41,878 | 58,871 | 7,722 | 35,457 | (4) | (8) | (1) | (1) | 0 | (1,000) |
| Italy | 4,361 | 4,424 | 337,759 | 474,278 | 109,438 | 412,853 | (85) | (138) | (2) | (1) | (22,336) | X |
| Latvia, Rep | X | 57 | X | 105 | X | (818) | 0 | 208 | 0 | 0 | 0 | 0 |
| Lithuania, Rep | X | 327 | X | 169 | X | X | 0 | 227 | 0 | 0 | 0 | 0 |
| Macedonia, former Yugoslav Rep | X | 110 | X | 6,708 | X | (883) | 0 | 0 | 0 | 0 | 0 | 0 |
| Moldova, Rep | X | 104 | X | X | X | X | 0 | 24 | 0 | 0 | 0 | 0 |
| Netherlands | 3,454 | 2,760 | (37,406) | (102,670) | 248,157 | 736,787 | (68) | (106) | (5) | (5) | (8,786) | (3,101) |
| Norway | 596 | 254 | (383) | 19,307 | 5,720 | 4,668 | (29) | (60) | (7) | (7) | (80) | (218) |
| Poland, Rep | 5,024 | 703 | 114,824 | 68,482 | 1,171 | (153,654) | 139 | 317 | 4 | 4 | 6,843 | 434 |
| Portugal | 3,544 | 1,793 | (35,245) | 10,301 | 11,535 | 51,073 | 174 | 0 | 18 | 18 | 0 | 0 |
| Romania | 552 | 2,009 | (69,683) | 21,597 | 5,983 | (533) | 0 | 333 | 0 | 0 | 16,683 | 1,584 |
| Russian Federation | X | 25,554 | X | 155,481 | X | (707) | 0 | 377 | 0 | 0 | 25,557 | 20,255 |
| Slovak Rep | X | 20 | X | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 |
| Slovenia, Rep | X | 542 | X | X | X | 1,486 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spain | 5,767 | 2,365 | (411,725) | (351,139) | 74,406 | 546,079 | (12) | (31) | (0) | (0) | (403) | 0 |
| Sweden | (867) | (921) | 48,715 | 67,248 | 4,933 | 5,597 | (104) | (127) | (12) | (12) | (14,070) | (101) |
| Switzerland | 1,196 | 466 | 54,727 | 37,265 | 15,211 | 9,903 | (23) | (70) | (4) | (3) | (370) | (2,823) |
| Ukraine | X | 1,400 | X | X | X | X | 0 | 66 | 0 | 0 | 1 | 0 |
| United Kingdom | (578) | (2,485) | 397,880 | 719,738 | 79,192 | (69,074) | (80) | (160) | (1) | (1) | (1,510) | (24) |
| Yugoslavia, Fed Rep | X | (915) | 11 | 6,226 | X | 3,722 | 0 | 0 | 0 | 0 | 1,078 | 0 |

Data Table 10.4 continued

| | Average Annual Net Trade in Food | | | | | | Average Annual Donations or Receipts of Food Aid | | | | | |
|------------------------------------|----------------------------------|-----------------|--------------------|--------------------|------------------|------------------|--|--------------|---------------|-------------|----------------|---------------|
| | Cereals | | Oils | | Pulses | | Cereals | | Oils | | Milk | |
| | (000 metric tons) | | (metric tons) | | (metric tons) | | (000 metric tons) | | Kg Per Capita | | (metric tons) | |
| | 1981-83 | 1991-93 | 1981-83 | 1991-93 | 1981-83 | 1991-93 | 1980-82 | 1990-92 | 1980-82 | 1990-92 | 1990-92 | 1990-92 |
| | (118,272) | (98,546) | (650,209) | (896,088) | (421,975) | (754,560) | (5,504) | (7,602) | (15) | (13) | (289,810) | (1,256) |
| NORTH & CENTRAL AMERICA | | | | | | | | | | | | |
| Belize | 6 | 17 | 0 | 147 | 123 | (485) | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | (25,386) | (25,702) | (112,419) | (141,114) | (168,752) | (483,287) | (643) | (949) | (26) | (23) | (35,592) | (4,565) |
| Costa Rica | 152 | 408 | 3,230 | 14,085 | 11,102 | 2,113 | 16 | 42 | 7 | 5 | 183 | 0 |
| Cuba | 2,044 | 1,655 | 72,806 | 121,273 | 109,628 | 116,000 | 0 | 2 | 0 | 0 | 457 | 3,734 |
| Dominican Rep | 371 | 811 | 59,756 | 88,934 | (2,441) | 14,940 | 84 | 9 | 14 | 12 | 11,247 | 783 |
| El Salvador | 176 | 325 | 9,772 | 34,778 | 920 | 7,531 | 61 | 99 | 13 | 11 | 8,708 | 2,905 |
| Guatemala | 161 | 419 | 9,115 | 49,721 | 1,079 | 5,711 | 11 | 177 | 2 | 1 | 3,475 | 2,144 |
| Haiti | 198 | 362 | 20,242 | 60,767 | 521 | 18,000 | 75 | 54 | 14 | 11 | 3,870 | 2,636 |
| Honduras | 82 | 190 | 7,938 | (12,396) | (2,190) | (1,203) | 32 | 101 | 9 | 6 | 1,839 | 1,185 |
| Jamaica | 403 | 440 | 6,580 | 11,085 | 479 | 1,292 | 79 | 231 | 36 | 33 | 1,042 | 1,214 |
| Mexico | 6,391 | 6,394 | 82,622 | 393,243 | 262,291 | (14,735) | 0 | 112 | 0 | 0 | 1,843 | 5,668 |
| Nicaragua | 152 | 135 | 14,278 | 32,017 | 8,992 | 3,312 | 77 | 113 | 27 | 20 | 29,986 | 3,031 |
| Panama | 85 | 175 | 20,279 | 22,589 | 6,178 | 4,576 | 2 | 1 | 1 | 1 | 7,721 | 0 |
| Trinidad and Tobago | 237 | 224 | 11,591 | (700) | 12,196 | 10,403 | 0 | 0 | 0 | 0 | 0 | 0 |
| United States | (103,612) | (84,689) | 42,576 | 664,374 | (670,747) | (446,970) | (5,298) | (7,593) | (23) | (21) | (324,590) | (19,992) |
| SOUTH AMERICA | (7,616) | 676 | (1,422,461) | (2,774,328) | (11,316) | 27,613 | 190 | 140 | 1 | 1 | 40,019 | 11,855 |
| Argentina | (18,460) | (12,493) | (694,282) | (2,606,117) | (149,319) | (226,446) | (42) | (3) | (1) | (1) | 0 | 0 |
| Bolivia | 314 | 348 | 9,001 | (4,744) | 1,047 | (6,036) | 83 | 231 | 15 | 12 | 2,707 | 2,217 |
| Brazil | 4,475 | 6,754 | (1,182,042) | (673,227) | 13,568 | 112,042 | 3 | 12 | 0 | 0 | 25 | 1,273 |
| Chile | 1,332 | 847 | 73,215 | 94,084 | (56,451) | (60,648) | 21 | 9 | 2 | 2 | 352 | 1,147 |
| Colombia | 789 | 1,331 | 104,932 | 57,664 | 63,760 | 88,283 | 4 | 9 | 0 | 0 | 248 | 113 |
| Ecuador | 346 | 431 | 34,832 | 50,412 | 804 | 2,649 | 8 | 52 | 1 | 1 | 1,084 | 1,772 |
| Guyana | (31) | (42) | 2,686 | 130 | 3,839 | 4,200 | 2 | 46 | 3 | 3 | 128 | 431 |
| Paraguay | 61 | 45 | 787 | (25,201) | 63 | (1,176) | 8 | 0 | 2 | 2 | 10 | 1,080 |
| Peru | 1,425 | 1,918 | 57,284 | 84,346 | 9,822 | 16,598 | 100 | 402 | 6 | 5 | 33,596 | 3,755 |
| Suriname | (71) | (12) | 3,596 | 6,199 | 2,333 | 2,333 | 0 | 12 | 0 | 0 | 1,833 | 0 |
| Uruguay | (353) | (311) | (5,330) | 9,745 | 937 | 3,513 | 2 | 7 | 1 | 1 | 37 | 67 |
| Venezuela | 2,547 | 1,860 | 194,238 | 265,050 | 97,861 | 91,705 | 0 | 0 | 0 | 0 | 0 | 0 |
| ASIA | 69,058 | 69,333 | (651,617) | (2,125,261) | (106,821) | (388,978) | 3,525 | 3,157 | 1 | 1 | 151,007 | 29,173 |
| Afghanistan, Islamic State | 84 | 172 | 2,000 | 3,033 | (8,200) | (1,433) | 111 | 86 | 7 | 7 | 918 | X |
| Armenia | X | 375 | X | X | X | X | 0 | 49 | 0 | 0 | 2,217 | 1,117 |
| Azerbaijan | X | 340 | X | X | X | X | 0 | 4 | 0 | 0 | 0 | 167 |
| Bangladesh | 1,541 | 1,412 | 126,031 | 298,636 | 2,470 | 71,462 | 1,074 | 1,143 | 12 | 10 | 10,193 | 94 |
| Bhutan | 9 | 36 | 0 | 249 | 0 | 0 | 1 | 4 | 1 | 1 | 408 | 222 |
| Cambodia | 131 | 65 | 1,800 | 0 | 0 | 0 | 124 | 57 | 19 | 14 | 1,805 | 0 |
| China | 18,134 | 5,894 | 93,521 | 1,747,970 | (6,738) | (755,453) | (11) | 123 | (0) | (0) | 2,549 | 7,803 |
| Georgia, Rep | X | 500 | X | X | X | X | 0 | 57 | 0 | 0 | 0 | 33 |
| India | 1,336 | (179) | 1,347,222 | 241,067 | 160,845 | 378,878 | 328 | 257 | 0 | 0 | 62,218 | 10,741 |
| Indonesia | 2,272 | 2,813 | (344,622) | (1,566,942) | 9,619 | 53,715 | 440 | 48 | 3 | 2 | 580 | 15 |
| Iran, Islamic Rep | 3,849 | 5,037 | 280,025 | 578,378 | 21,839 | 22,800 | 0 | 63 | 0 | 0 | 1,669 | 312 |
| Iraq | 3,023 | 1,793 | 167,262 | 131,574 | 49,475 | 25,667 | 0 | 66 | 0 | 0 | 1,831 | 539 |
| Israel | 1,521 | 2,075 | 409 | 32,429 | 16,738 | 25,005 | 14 | 1 | 3 | 3 | 0 | 0 |
| Japan | 23,965 | 27,451 | 258,394 | 436,721 | 214,511 | 197,547 | (703) | (419) | (6) | (6) | (322) | (976) |
| Jordan | 543 | 1,483 | 16,369 | 60,685 | 11,914 | 24,552 | 80 | 330 | 26 | 18 | 2,270 | 1,145 |
| Kazakhstan, Rep | X | (4,300) | X | X | X | X | 0 | 1 | 0 | 0 | 0 | 0 |
| Korea, Dem People's Rep | 354 | 1,210 | 10,717 | 34,220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Korea, Rep | 6,526 | 10,719 | 64,473 | 315,245 | 7,729 | 39,375 | 431 | 0 | 11 | 10 | 0 | 0 |
| Kuwait | 331 | 236 | 7,103 | 27,604 | 8,888 | 6,872 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kyrgyz Rep | X | 773 | X | X | X | X | 0 | 30 | 0 | 0 | 0 | 0 |
| Lao People's Dem Rep | 46 | 24 | 2,433 | 1,523 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 0 |
| Lebanon | 535 | 698 | 20,818 | 109,015 | 43,500 | 14,639 | 22 | 15 | 8 | 8 | 5,608 | 1,864 |
| Malaysia | 1,713 | 3,115 | (2,736,030) | (6,010,144) | 38,163 | 54,121 | 0 | 3 | 0 | 0 | 0 | 0 |
| Mongolia | 94 | 101 | 0 | 1,410 | X | X | 0 | 15 | 0 | 0 | 0 | 33 |
| Myanmar | (762) | (231) | 32,667 | 148,313 | (82,833) | (355,000) | 8 | 0 | 0 | 0 | 0 | 0 |
| Nepal | 35 | 25 | 5,546 | 27,739 | (1,189) | (256) | 30 | 8 | 2 | 2 | 406 | 682 |
| Oman | 159 | 329 | 3,437 | 20,928 | 1,187 | 7,937 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakistan | (749) | 720 | 478,900 | 991,687 | 78,007 | 172,212 | 257 | 284 | 3 | 2 | 53,716 | 0 |
| Philippines | 1,195 | 1,767 | (944,154) | (919,811) | 3,873 | 27,905 | 78 | 60 | 2 | 1 | 229 | 2,611 |
| Saudi Arabia | 4,758 | 4,332 | 120,500 | 221,346 | 32,551 | 42,699 | (25) | (4) | (2) | (1) | 0 | 0 |
| Singapore | 797 | 567 | 4,737 | 209,699 | 11,610 | 29,360 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sri Lanka | 687 | 1,018 | (15,561) | 28,336 | 7,438 | 66,289 | 200 | 296 | 13 | 11 | 0 | 7 |
| Syrian Arab Rep | 726 | 1,255 | 23,228 | 41,451 | (28,824) | (24,973) | 42 | 19 | 5 | 3 | 1,303 | 2,321 |
| Tajikistan, Rep | X | 500 | X | X | X | X | 0 | 24 | 0 | 0 | 0 | 0 |
| Thailand | (6,155) | (4,707) | 42,655 | 10,256 | (211,628) | (102,291) | 10 | 80 | 0 | 0 | 2,005 | 4 |
| Turkey | (776) | (2,477) | 133,512 | 514,247 | (520,957) | (472,574) | 0 | (15) | 0 | 0 | 232 | 12 |
| Turkmenistan, Rep | X | 1,120 | X | X | X | X | 0 | 1 | 0 | 0 | 100 | 0 |
| United Arab Emirates | 266 | 330 | 26,562 | 49,344 | 12,245 | 25,893 | 0 | 0 | 0 | 0 | 0 | 0 |
| Uzbekistan, Rep | X | 4,078 | X | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 |
| Viet Nam | 605 | (1,312) | 1,269 | 13,598 | (8,233) | (9,393) | 126 | 76 | 2 | 2 | 1,072 | 428 |
| Yemen, Rep | X | X | 25,224 | 112,535 | X | X | 0 | 0 | X | X | 0 | 0 |
| OCEANIA | (12,306) | (12,407) | (31,004) | (23,383) | (60,029) | (527,732) | (382) | (303) | (17) | (14) | 0 | 0 |
| Australia | (12,658) | (13,099) | 79,083 | 150,853 | (25,936) | (482,063) | (390) | (303) | (26) | (23) | (1,260) | (613) |
| Fiji | 86 | 106 | (7,839) | 2,084 | 4,178 | 4,628 | 5 | 0 | 8 | 7 | 0 | 0 |
| New Zealand | 12 | 180 | 23,214 | 53,076 | (39,046) | (51,376) | 0 | 0 | 0 | 0 | 0 | (5) |
| Papua New Guinea | 144 | 249 | (87,012) | (193,198) | 65 | 10 | 0 | 0 | 0 | 0 | 0 | 1 |
| Solomon Islands | 5 | 24 | 17,043 | 26,833 | 18 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |

Sources: Food and Agriculture Organization of the United Nations and the United Nations Population Division.

Notes: a. Data for Belgium and Luxembourg are combined under Belgium.

World and regional totals for net trade include some countries not listed here. Totals for food aid do not add because of rounding.

Imports and food aid receipts are shown as positive numbers; exports and food aid donations are shown as negative numbers in parentheses.

0 = zero or less than half the unit of measure; X = not available; negative numbers are shown in parentheses.

For additional information, see Sources and Technical Notes.

Sources and Technical Notes

Data Table 10.1
Food and Agricultural Production,
1982–94

Source: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995).

Indexes of agricultural production and food production portray the disposable output (after deduction for feed and seed) of a country's agriculture sector relative to the base period 1979–81. For a given year and country, the index is calculated as the disposable average output of a commodity in terms of weight or volume during the period of interest multiplied by the 1979–81 average national producer price per unit. The index represents the total value of the commodity for that period in terms of the 1979–81 price. The values of all crop and livestock products are totaled to yield an aggregated value of agricultural production in 1979–81 prices. The ratio of this aggregate for a given year to that for 1979–81 is multiplied by 100 to obtain the index number.

The multiplication of disposable outputs with the 1979–81 unit value eliminates inflationary or deflationary distortion. However, the base period's relative prices among the individual commodities are also preserved. Especially in economies with high inflation, price patterns among agricultural commodities can change dramatically over time.

The continental and world index values for a given year are calculated by totaling the disposable outputs of all relevant countries for each agricultural commodity. Each of these aggregates is multiplied by a respective 1979–81 average "international" producer price and is then summed to give a total agricultural output value for that region or for the world in terms of 1979–81 prices. This method avoids distortion caused by the use of international exchange rates.

The agricultural production index includes all crop and livestock products originating in each country. The food production index covers all edible agricultural products that contain nutrients. Coffee and tea are excluded.

Average production of cereals includes cereal production for feed and seed. Crop yields (*average yields of cereals* and *average yields of roots and tubers*) are calculated from production and area data. Area refers to the area harvested. Cereals comprise all cereals harvested for dry grain, exclusive of crops cut for hay or harvested green. Roots and tubers cover all root crops grown principally for human consumption; root crops grown principally for feed are excluded.

Data Table 10.2
Agricultural Inputs, 1981–93

Sources: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995). Per capita figures: United Nations Population Division, *Interpolated National Populations, 1950–2025 (The 1994 Revision)*, on diskette (U.N., New York, 1995).

Cropland refers to land under temporary and permanent crops, temporary meadows, market and kitchen gardens, and temporarily fallow land. Permanent cropland is land under crops that do not need to be replanted after each harvest, such as cocoa, coffee, fruit trees, rubber, and vines. Human population data used to calculate *hectares per capita* are for 1993. For trends in cropland area, see Data Table 9.1.

Irrigated land as a percentage of cropland refers to areas purposely provided with water, including land flooded by river water for crop production or pasture improvement, whether or not this area is irrigated several times or only once during the year.

Annual fertilizer use refers to the application of nutrients in terms of nitrogen (N), phosphate (P₂O₅), and potash (K₂O). The fertilizer year is July 1–June 30; data refer to the year beginning in July.

Tractors generally refer to wheeled and crawler tractors used in agriculture. Garden tractors are excluded. *Harvesters* refer to harvesters and threshers.

Data Table 10.3
Livestock Populations and Grain
Consumed as Feed, 1982–94

Sources: Livestock data: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995). Feed data: Economic Research Service, United States Department of Agriculture (USDA), *PS&D View*, on-line bulletin board service (USDA, Washington, D.C., 1995).

Data on livestock include all animals in the country, regardless of place or purpose of their breeding. Data on livestock numbers are collected annually by FAO; estimates are made by FAO for countries that either do not report data or only partially report data. *Equines* include horses, mules, and asses. For some countries, data on *chickens* include all poultry. *Grain fed to livestock as percent of total grain consumption* was calculated using USDA grain consumption and feed numbers. Grains include wheat, rice (milled weight), corn, barley, sorghum, millet, rye, oats, and

mixed grains. Grain consumption is the total domestic use during the local marketing year of the individual country. It is the sum of feed, food, seed, and industrial uses.

Data Table 10.4
Food Trade and Aid, 1981–93

Sources: Trade and food aid data: Food and Agriculture Organization of the United Nations (FAO), *FAOSTAT-PC*, on diskette (FAO, Rome, July 1995). Population data: United Nations Population Division, *Interpolated National Populations, 1950–2025 (The 1994 Revision)*, on diskette (U.N., New York, 1995).

Figures shown for food trade are *net* imports or exports. Exports were subtracted from imports.

Two definitions of trade are used by countries reporting trade data. "Special trade" refers only to imports for domestic consumption and exports of domestic goods. "General trade" encompasses total imports and total exports, including reexports. In some cases, trade figures include goods purchased by a country that are reexported to a third country without ever entering the purchasing country. For information on the definition used by a particular country, see *FAO Trade Yearbook 1994* (FAO, Rome, 1995).

Average annual donations or receipts of food aid are shown as either positive or negative numbers: receipts are shown as positive numbers; donations are expressed as negative numbers. For some countries that are both recipients and donors of food aid, donations were subtracted from receipts.

Trade in *cereals* includes wheat and wheat flour, rice, barley, maize, rye, and oats. Trade in *oils* includes oils from soybeans, groundnuts (peanuts), olives, cottonseeds, sunflower seeds, rape or mustard seeds, linseeds, palms, coconuts, palm kernels, castor beans, and maize, as well as animal oils, fats, and greases (including lard). Trade in *pulses* includes all kinds of dried leguminous vegetables, with the exception of vetches and lupins.

Food aid refers to the donation or concessional sale of food commodities. *Cereals* include wheat, rice, coarse grains, bulgur wheat, wheat flour, and the cereal component of blended foods. Cereal donations or receipts (*kilograms per capita*) are the result of dividing the 3-year averages by the population averages provided by the United Nations Population Division. *Oils* include vegetable oil and butter oil. *Milk* includes skimmed milk powder and other dairy products (mainly cheese).

Food aid data are reported by donor countries and international organizations.