Table S3. Summary data used in adaptation analysis for all countries (See Table 3 in main text for details).

| **ISO3** | **Name** | **Labor** | **Land** | **Machinery** | **Machinery per ag land** | **Machinery per capita** |
| --- | --- | --- | --- | --- | --- | --- |
| ARM | Armenia | 692 | 871 | 567 | 0.65 | 0.82 |
| AFG | Afghanistan | 3,960 | 11,660 | 11 | 0.00 | 0.00 |
| ALB | Albania | 449 | 942 | 314 | 0.33 | 0.70 |
| DZA | Algeria | 1,110 | 18,620 | 4,908 | 0.26 | 4.42 |
| AGO | Angola | 7,146 | 6,846 | 972 | 0.14 | 0.14 |
| ARG | Argentina | 1,379 | 38,127 | 10,577 | 0.28 | 7.67 |
| AUS | Australia | 337 | 64,985 | 15,390 | 0.24 | 45.71 |
| AUT | Austria | 162 | 1,538 | 11,125 | 7.23 | 68.58 |
| BHS | Bahamas | 6 | 13 | 5 | 0.35 | 0.72 |
| BHR | Bahrain | 9 | 11 | 0 | 0.01 | 0.02 |
| BGD | Bangladesh | 25,171 | 21,936 | 22,662 | 1.03 | 0.90 |
| BTN | Bhutan | 192 | 182 | 12 | 0.06 | 0.06 |
| BOL | Bolivia | 1,558 | 6,216 | 306 | 0.05 | 0.20 |
| BWA | Botswana | 147 | 576 | 160 | 0.28 | 1.09 |
| BRA | Brazil | 8,136 | 76,244 | 43,707 | 0.57 | 5.37 |
| BLZ | Belize | 30 | 126 | 70 | 0.55 | 2.35 |
| SLB | Solomon Islands | 132 | 109 | 1 | 0.01 | 0.00 |
| BRN | Brunei Darussalam | 3 | 11 | 6 | 0.55 | 2.07 |
| BGR | Bulgaria | 209 | 3,844 | 3,062 | 0.80 | 14.65 |
| MMR | Myanmar | 11,389 | 14,022 | 5,657 | 0.40 | 0.50 |
| BDI | Burundi | 4,198 | 2,260 | 11 | 0.01 | 0.00 |
| CMR | Cameroon | 4,769 | 6,991 | 22 | 0.00 | 0.00 |
| CAN | Canada | 282 | 42,775 | 35,668 | 0.83 | 126.44 |
| CPV | Cabo Verde | 21 | 79 | 2 | 0.02 | 0.09 |
| CAF | Central African Republic | 1,238 | 1,049 | 2 | 0.00 | 0.00 |
| LKA | Sri Lanka | 1,997 | 3,529 | 2,121 | 0.60 | 1.06 |
| TCD | Chad | 3,461 | 5,984 | 12 | 0.00 | 0.00 |
| CHL | Chile | 698 | 3,131 | 2,065 | 0.66 | 2.96 |
| COL | Colombia | 3,734 | 6,464 | 959 | 0.15 | 0.26 |
| COM | Comoros | 74 | 111 | 0 | 0.00 | 0.00 |
| COG | Congo Republic | 606 | 540 | 44 | 0.08 | 0.07 |
| CRI | Costa Rica | 376 | 705 | 326 | 0.46 | 0.87 |
| CUB | Cuba | 916 | 4,045 | 3,003 | 0.74 | 3.28 |
| CYP | Cyprus | 14 | 191 | 434 | 2.28 | 30.81 |
| AZE | Azerbaijan | 1,773 | 4,785 | 1,068 | 0.22 | 0.60 |
| BEN | Benin | 1,420 | 4,181 | 11 | 0.00 | 0.01 |
| DNK | Denmark | 62 | 2,521 | 2,707 | 1.07 | 43.71 |
| DOM | Dominican Republic | 415 | 1,460 | 75 | 0.05 | 0.18 |
| BLR | Belarus | 408 | 6,061 | 2,161 | 0.36 | 5.30 |
| ECU | Ecuador | 2,318 | 4,108 | 857 | 0.21 | 0.37 |
| EGY | Egypt | 5,488 | 30,383 | 5,477 | 0.18 | 1.00 |
| SLV | El Salvador | 419 | 921 | 153 | 0.17 | 0.36 |
| GNQ | Equatorial Guinea | 240 | 96 | 12 | 0.12 | 0.05 |
| EST | Estonia | 22 | 723 | 901 | 1.25 | 41.86 |
| FJI | Fiji | 101 | 152 | 352 | 2.31 | 3.47 |
| FIN | Finland | 94 | 2,251 | 5,963 | 2.65 | 63.25 |
| FRA | France | 654 | 20,709 | 40,429 | 1.95 | 61.79 |
| GUF | French Guiana (France) | 12 | 23 | 18 | 0.79 | 1.52 |
| DJI | Djibouti | 2 | 52 | 0 | 0.00 | 0.12 |
| GEO | Georgia | 666 | 668 | 1,213 | 1.82 | 1.82 |
| GAB | Gabon | 157 | 314 | 90 | 0.29 | 0.57 |
| GMB | Gambia | 337 | 373 | 3 | 0.01 | 0.01 |
| DEU | Germany | 513 | 12,536 | 29,391 | 2.34 | 57.32 |
| BIH | Bosnia and Herzegovina | 151 | 1,228 | 2,349 | 1.91 | 15.60 |
| GHA | Ghana | 5,068 | 8,667 | 82 | 0.01 | 0.02 |
| GRC | Greece | 445 | 4,961 | 10,891 | 2.20 | 24.47 |
| GTM | Guatemala | 2,133 | 2,303 | 297 | 0.13 | 0.14 |
| GIN | Guinea | 2,576 | 6,264 | 309 | 0.05 | 0.12 |
| GUY | Guyana | 37 | 576 | 138 | 0.24 | 3.71 |
| HTI | Haiti | 1,966 | 1,425 | 6 | 0.00 | 0.00 |
| HND | Honduras | 1,153 | 1,707 | 272 | 0.16 | 0.24 |
| HUN | Hungary | 214 | 4,568 | 4,899 | 1.07 | 22.89 |
| HRV | Croatia | 105 | 989 | 2,716 | 2.75 | 25.85 |
| ISL | Iceland | 8 | 286 | 405 | 1.42 | 50.83 |
| IND | India | 190,013 | 296,941 | 356,576 | 1.20 | 1.88 |
| IDN | Indonesia | 38,106 | 56,184 | 4,739 | 0.08 | 0.12 |
| IRN | Iran | 3,972 | 33,805 | 12,382 | 0.37 | 3.12 |
| IRQ | Iraq | 1,795 | 11,073 | 4,729 | 0.43 | 2.63 |
| IRL | Ireland | 161 | 830 | 5,826 | 7.02 | 36.26 |
| ISR | Israel | 37 | 982 | 1,562 | 1.59 | 42.53 |
| ITA | Italy | 898 | 13,598 | 42,988 | 3.16 | 47.89 |
| CIV | Côte d'Ivoire | 3,650 | 13,941 | 427 | 0.03 | 0.12 |
| KAZ | Kazakhstan | 1,385 | 48,377 | 2,044 | 0.04 | 1.48 |
| JAM | Jamaica | 206 | 241 | 118 | 0.49 | 0.57 |
| JPN | Japan | 2,186 | 5,697 | 70,083 | 12.30 | 32.07 |
| JOR | Jordan | 74 | 479 | 252 | 0.53 | 3.42 |
| KGZ | Kyrgyzstan | 698 | 2,506 | 1,088 | 0.43 | 1.56 |
| KEN | Kenya | 7,579 | 6,576 | 883 | 0.13 | 0.12 |
| KHM | Cambodia | 3,607 | 4,499 | 1,095 | 0.24 | 0.30 |
| PRK | Korea, DPR | 7,320 | 3,333 | 2,568 | 0.77 | 0.35 |
| KOR | Korea, Republic | 1,393 | 1,966 | 18,999 | 9.66 | 13.63 |
| KWT | Kuwait | 47 | 46 | 3 | 0.06 | 0.06 |
| LVA | Latvia | 65 | 1,384 | 2,766 | 2.00 | 42.80 |
| LAO | Laos | 2,198 | 1,747 | 199 | 0.11 | 0.09 |
| LBN | Lebanon | 75 | 426 | 277 | 0.65 | 3.71 |
| LSO | Lesotho | 214 | 187 | 55 | 0.30 | 0.26 |
| LBR | Liberia | 873 | 635 | 20 | 0.03 | 0.02 |
| LBY | Libya | 316 | 5,098 | 1,201 | 0.24 | 3.80 |
| LTU | Lithuania | 88 | 2,296 | 4,426 | 1.93 | 50.16 |
| MDG | Madagascar | 10,012 | 4,638 | 37 | 0.01 | 0.00 |
| MWI | Malawi | 4,742 | 4,622 | 80 | 0.02 | 0.02 |
| MYS | Malaysia | 1,564 | 8,582 | 4,186 | 0.49 | 2.68 |
| MLI | Mali | 4,331 | 9,883 | 88 | 0.01 | 0.02 |
| MLT | Malta | 3 | 14 | 104 | 7.46 | 39.98 |
| MRT | Mauritania | 336 | 1,161 | 20 | 0.02 | 0.06 |
| MUS | Mauritius | 30 | 69 | 8 | 0.11 | 0.26 |
| MEX | Mexico | 6,543 | 29,110 | 11,235 | 0.39 | 1.72 |
| MNG | Mongolia | 332 | 7,711 | 220 | 0.03 | 0.66 |
| MAR | Morocco | 3,694 | 22,891 | 1,915 | 0.08 | 0.52 |
| MOZ | Mozambique | 9,124 | 7,361 | 289 | 0.04 | 0.03 |
| MDA | Moldova | 506 | 2,079 | 1,798 | 0.86 | 3.55 |
| NAM | Namibia | 164 | 1,001 | 138 | 0.14 | 0.84 |
| NPL | Nepal | 9,896 | 4,861 | 2,485 | 0.51 | 0.25 |
| NLD | Netherlands | 167 | 1,268 | 5,122 | 4.04 | 30.67 |
| NCL | New Caledonia (France) | 4 | 26 | 81 | 3.14 | 18.66 |
| MKD | North Macedonia | 106 | 607 | 4,128 | 6.80 | 38.92 |
| VUT | Vanuatu | 62 | 147 | 4 | 0.03 | 0.07 |
| NZL | New Zealand | 159 | 2,404 | 3,995 | 1.66 | 25.12 |
| NIC | Nicaragua | 812 | 2,008 | 166 | 0.08 | 0.20 |
| NER | Niger | 6,087 | 19,302 | 13 | 0.00 | 0.00 |
| NGA | Nigeria | 20,057 | 61,808 | 791 | 0.01 | 0.04 |
| NOR | Norway | 56 | 823 | 3,421 | 4.16 | 60.78 |
| PAK | Pakistan | 25,991 | 67,487 | 27,633 | 0.41 | 1.06 |
| PAN | Panama | 257 | 743 | 431 | 0.58 | 1.68 |
| CZE | Czechia | 142 | 2,651 | 2,952 | 1.11 | 20.78 |
| PNG | Papua New Guinea | 496 | 1,011 | 100 | 0.10 | 0.20 |
| PRY | Paraguay | 665 | 5,311 | 1,200 | 0.23 | 1.80 |
| PER | Peru | 4,775 | 8,741 | 615 | 0.07 | 0.13 |
| PHL | Philippines | 10,140 | 12,475 | 49,213 | 3.94 | 4.85 |
| POL | Poland | 1,593 | 11,794 | 73,237 | 6.21 | 45.97 |
| PRT | Portugal | 274 | 2,533 | 7,748 | 3.06 | 28.32 |
| GNB | Guinea-Bissau | 380 | 662 | 1 | 0.00 | 0.00 |
| TLS | Timor-Leste | 222 | 222 | 19 | 0.08 | 0.08 |
| PRI | Puerto Rico (USA) | 11 | 82 | 95 | 1.16 | 8.48 |
| ERI | Eritrea | 937 | 773 | 26 | 0.03 | 0.03 |
| QAT | Qatar | 26 | 63 | 4 | 0.06 | 0.14 |
| ZWE | Zimbabwe | 4,243 | 2,256 | 1,171 | 0.52 | 0.28 |
| ROU | Romania | 1,839 | 11,485 | 8,205 | 0.71 | 4.46 |
| RWA | Rwanda | 3,430 | 2,189 | 2 | 0.00 | 0.00 |
| RUS | Russian Federation | 4,233 | 134,561 | 12,144 | 0.09 | 2.87 |
| STP | Sao Tome and Principe | 11 | 52 | 5 | 0.09 | 0.47 |
| SAU | Saudi Arabia | 457 | 12,988 | 392 | 0.03 | 0.86 |
| SEN | Senegal | 917 | 4,143 | 46 | 0.01 | 0.05 |
| SLE | Sierra Leone | 1,113 | 1,613 | 5 | 0.00 | 0.00 |
| SVN | Slovenia | 45 | 274 | 247 | 0.90 | 5.46 |
| SVK | Slovakia | 65 | 1,450 | 1,009 | 0.70 | 15.42 |
| SOM | Somalia | 619 | 1,487 | 55 | 0.04 | 0.09 |
| ZAF | South Africa | 842 | 14,953 | 3,980 | 0.27 | 4.73 |
| ESP | Spain | 792 | 21,430 | 27,491 | 1.28 | 34.72 |
| SUR | Suriname | 17 | 110 | 49 | 0.45 | 2.97 |
| TJK | Tajikistan | 959 | 1,872 | 715 | 0.38 | 0.75 |
| SWZ | Eswatini | 34 | 236 | 62 | 0.26 | 1.80 |
| SWE | Sweden | 87 | 2,587 | 5,542 | 2.14 | 63.73 |
| CHE | Switzerland | 125 | 541 | 3,875 | 7.17 | 30.90 |
| SYR | Syria | 615 | 8,057 | 2,596 | 0.32 | 4.22 |
| TKM | Turkmenistan | 427 | 4,566 | 2,676 | 0.59 | 6.27 |
| TWN | Taiwan | 556 | 999 | 526 | 0.53 | 0.95 |
| TZA | Tanzania | 17,352 | 16,538 | 1,164 | 0.07 | 0.07 |
| THA | Thailand | 11,933 | 26,222 | 40,653 | 1.55 | 3.41 |
| TGO | Togo | 849 | 2,449 | 5 | 0.00 | 0.01 |
| TTO | Trinidad and Tobago | 19 | 52 | 146 | 2.82 | 7.52 |
| OMN | Oman | 112 | 319 | 10 | 0.03 | 0.09 |
| TUN | Tunisia | 500 | 8,466 | 2,822 | 0.33 | 5.65 |
| TUR | Turkey | 5,028 | 31,963 | 47,738 | 1.49 | 9.49 |
| ARE | United Arab Emirates | 116 | 236 | 3 | 0.01 | 0.02 |
| UGA | Uganda | 10,137 | 7,812 | 340 | 0.04 | 0.03 |
| GBR | United Kingdom | 341 | 7,201 | 14,530 | 2.02 | 42.56 |
| UKR | Ukraine | 2,856 | 35,714 | 15,018 | 0.42 | 5.26 |
| USA | United States | 2,399 | 233,531 | 160,634 | 0.69 | 66.96 |
| BFA | Burkina Faso | 5,200 | 7,984 | 46 | 0.01 | 0.01 |
| URY | Uruguay | 132 | 2,730 | 1,348 | 0.49 | 10.24 |
| UZB | Uzbekistan | 3,191 | 8,842 | 6,989 | 0.79 | 2.19 |
| VEN | Venezuela | 1,188 | 4,502 | 1,938 | 0.43 | 1.63 |
| VNM | Vietnam | 19,213 | 14,597 | 20,861 | 1.43 | 1.09 |
| ETH | Ethiopia | 33,340 | 16,564 | 172 | 0.01 | 0.01 |
| YEM | Yemen | 1,691 | 3,083 | 173 | 0.06 | 0.10 |
| COD | Congo DR | 16,519 | 13,386 | 132 | 0.01 | 0.01 |
| ZMB | Zambia | 3,769 | 2,615 | 276 | 0.11 | 0.07 |
| BEL | Belgium | 45 | 933 | 3,058 | 3.28 | 67.62 |
| LUX | Luxembourg | 2 | 70 | 213 | 3.04 | 95.89 |
| SRB | Serbia | 552 | 2,895 | 17,366 | 6.00 | 31.44 |
| MNE | Montenegro | 18 | 39 | 5 | 0.14 | 0.29 |
| SDN | Sudan | 4,170 | 22,828 | 1,218 | 0.05 | 0.29 |
| SSD | South Sudan | 2,570 | 2,184 | 0 | 0.00 | 0.00 |
| PSE | West Bank and Gaza | 61 | 395 | 274 | 0.69 | 4.53 |
| CHN | China | 186,285 | 194,611 | 1,399,284 | 7.19 | 7.51 |

Sources: See Table 3 in the main text.