

S3 Table. Irrigation water supply reliability in selected water stressed Food Producing Units in Latin America and the Caribbean in 2010 and 2050

| FPU | Year | (1) BAU | (1a) BAU liberal | (2) Intensification | (3) Sustainable intensification | (4) Yield gaps closed | (5) Extensification |
|--|------|---------|------------------|---------------------|---------------------------------|-----------------------|---------------------|
| Central America and the Caribbean | | | | | | | |
| CUB_CCA | 2010 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| | 2050 | 0.45 | 0.45 | 0.40 | 0.55 | 0.40 | 0.50 |
| YUC_CCA | 2010 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 |
| | 2050 | 0.70 | 0.69 | 0.68 | 0.92 | 0.68 | 0.70 |
| CAR_CCA | 2010 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| | 2050 | 0.73 | 0.73 | 0.71 | 0.87 | 0.71 | 0.75 |
| South America | | | | | | | |
| TOC_BRA | 2010 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| | 2050 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.10 |
| URU_BRA | 2010 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| | 2050 | 0.41 | 0.42 | 0.40 | 0.54 | 0.40 | 0.44 |
| PEC_PER | 2010 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 |
| | 2050 | 0.44 | 0.44 | 0.42 | 0.57 | 0.42 | 0.45 |
| NEB_BRA | 2010 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 |
| | 2050 | 0.56 | 0.56 | 0.50 | 0.68 | 0.49 | 0.61 |
| SAL_ARG | 2010 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 |
| | 2050 | 0.73 | 0.72 | 0.66 | 0.88 | 0.65 | 0.78 |
| URU_URU | 2010 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| | 2050 | 0.77 | 0.76 | 0.73 | 0.73 | 0.73 | 0.79 |
| PAR_BRA | 2010 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| | 2050 | 0.83 | 0.82 | 0.72 | 0.97 | 0.70 | 0.93 |

Note: The indicator irrigation water supply reliability takes on values between zero and one, with lower values indicating severe water scarcity and values closer to one low water scarcity. FPU = Food Producing Unit. To locate Food Producing Units see S1 Figure and S1 Table. BAU refers to the Business-as-Usual scenario. Scenarios are described in Table 1 in the main text. Those FPUs are listed first that suffer the most from water stress under BAU (1) in 2050.