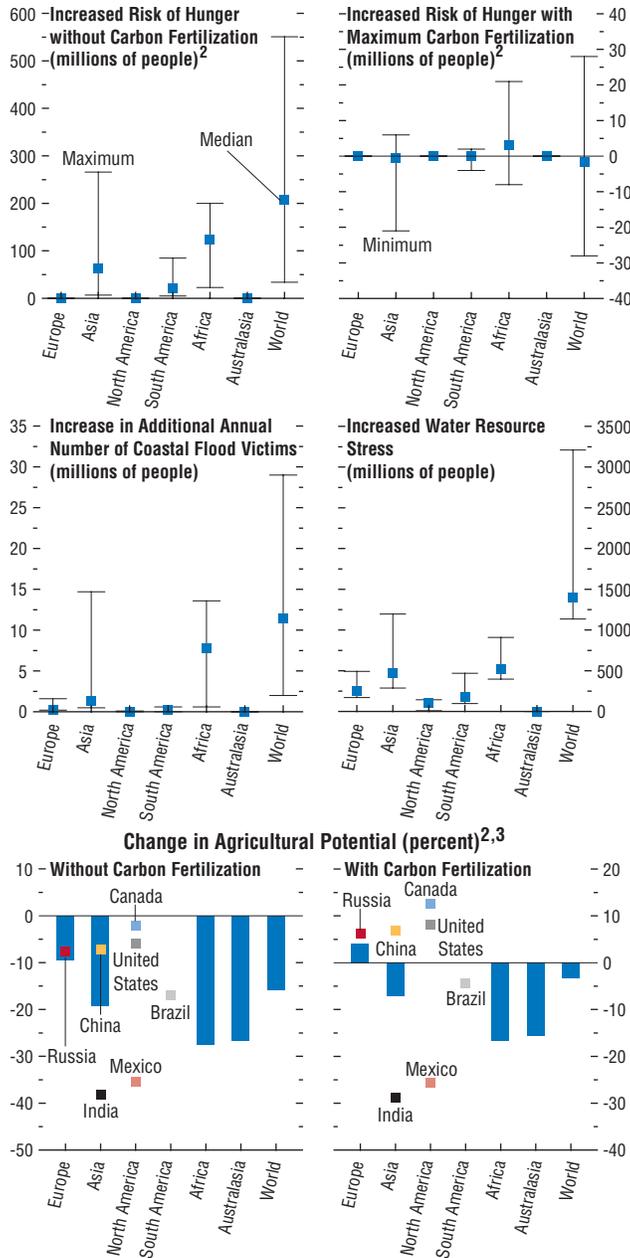


Figure 4.6. Physical Impact by 2080¹

Physical estimates of climate change impact confirm that Asia and Africa are particularly vulnerable to climate change.



Sources: Cline (2007); and Yohe and others (2007).

¹Data for panels 1-4 are from Yohe and others (2007); sample includes estimates from A1FI, A2, B1, and B2 *Special Report on Emissions Scenarios* (IPCC, 2007). Data for panels 5-6 are from Cline (2007). All impacts are measured relative to the situation in 2080 with no climate change. Regional compositions may not be comparable across panels.

²Carbon fertilization refers to the increase in crop productivity as a result of the effect of carbon dioxide on crops.

³Estimates without carbon fertilization are weighted averages of the estimates from a Ricardian model and crop models. Estimates with carbon fertilization include the effect of a uniform boost of 15 percent in yield. See Cline (2007) for more information.