

Supplementary material: Additional figures

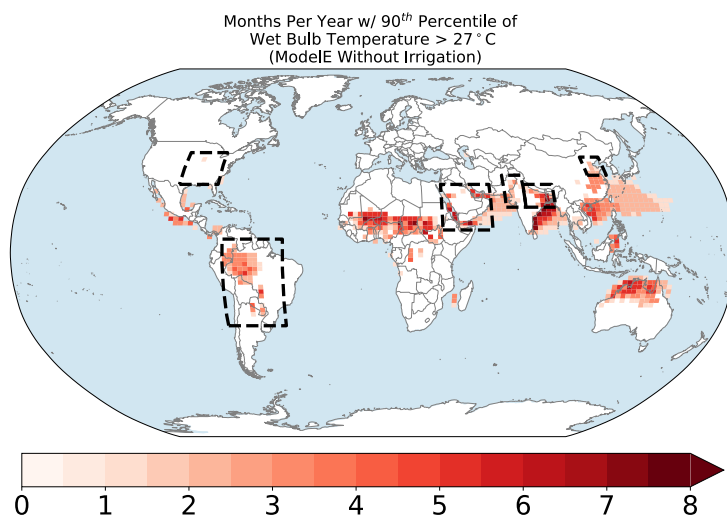


Figure S1. Months per year with the 90th percentile of daily maximum wet bulb temperature at least 27 °C, as derived from GISS ModelE (without irrigation).

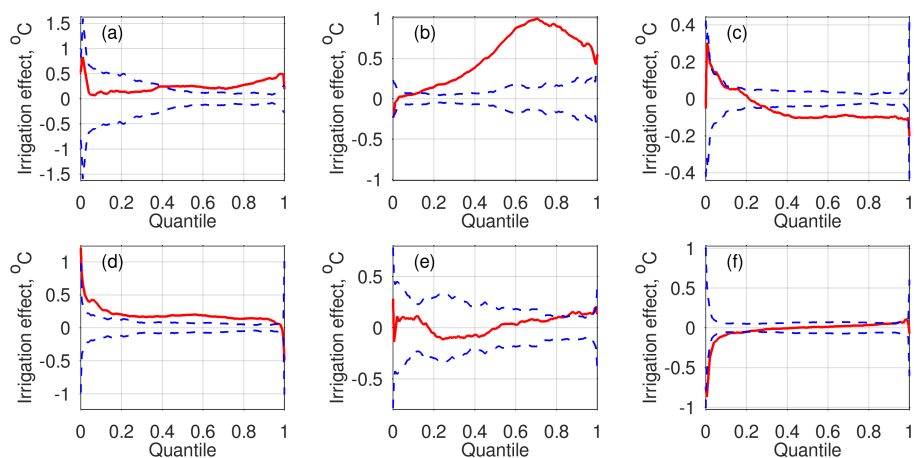


Figure S2. Mean effect of irrigation on quantiles of wet-bulb temperature over hot land areas within specific regions, approximately corresponding to (a) the Mississippi Valley in central North America (30°-44°N, 80°-100°W), (b) Arabia in Southwest Asia (10°-30°N, 35°-60°E), (c) the Ganges Basin (20°-30°N, 77.5°-92.5°E), (d) the Indus Basin (20°-34°N, 67.5°-77.5°E), (e) the North China Plain (34°-42°N, 112.5°-122.5°E), (f) the Amazon Basin (32°S-6°N, 45°-75°W). The dashed blue lines show the 95% confidence interval under the null hypothesis of zero effect.