

Climate Based Facts and Sources

- **Smallholder farmers, who have contributed the least to climate change, manage over 80 percent of the world's 500 million farms and rely on this land for their livelihoods**

Source: <http://www.fao.org/3/ca6968en/ca6968en.pdf>

- **Small-scale family farmers often lack access to the resources they need to adapt to a changing climate**

Source: Food and Agricultural Organization of the UN (2018), The State of Agricultural Commodity Markets 2018, www.fao.org/publications/soco/2018/en/

- **By 2050 as much as 50 percent of the global surface area currently used for coffee farming may no longer be suitable, due to the changing climate**

Source: https://files.fairtrade.net/publications/2016_TCI_ABrewingStorm.pdf

- **By 2050 many cocoa growing regions in Ghana and Côte d'Ivoire – who produce over half of the world's cocoa – will become too hot to grow the crop**

Source: National Oceanic and Atmospheric Administration (2016), Climate and Chocolate, www.climate.gov/news-features/climate-and/climate-chocolate

See also: P Laderach et al, (2013), Predicting the future climatic suitability for cocoa farming of the world's leading producer countries, Ghana and Côte d'Ivoire,

www.researchgate.net/publication/257548214_Predicting_the_future_climatic_suitability_for_cocoa_farming_of_the_world's_leading_producer_countries_Ghana_and_Cote_d'Ivoire

- **By 2050 adverse climate conditions will trigger a drastic decline in bananas yields in 10 countries, including India, Brazil and Colombia**

Source: V Varma and DP Bebber (2019), Climate change impacts on banana yields around the world, <https://doi.org/10.1038/s41558-019-0559-9>

- **From 2012 to 2017, [coffee] rust caused more than \$3 billion in damage and lost profits and forced almost 2 million farmers off their land [...] changing weather—more heat, more intense rain, higher persistent humidity—created conditions that made coffee farms more hospitable hosts.**

Source: <https://www.theatlantic.com/science/archive/2020/09/coffee-rust/616358/>