**EPAR Technical Report #386: Observed Climate Impacts on Smallholder Farmer Systems**

References for the impact of Temperature on Crop yield:

Arshad, M., Amjath-Babu, T. S., Aravindakshan, S., Krupnik, T. J., Toussaint, V., Kächele, H., & Müller, K. (2018). Climatic variability and thermal stress in Pakistan’s rice and wheat systems: A stochastic frontier and quantile regression analysis of economic efficiency. *Ecological indicators*, *89*, 496-506. doi: 10.1016/j.ecolind.2017.12.014. <https://www.sciencedirect.com/science/article/pii/S1470160X1730794X>

Gupta, R., Somanathan, E., & Dey, S. (2017). Global Warming and Local Air Pollution Have Reduced Wheat Yields in India. *Climatic Change, 140,* 593–604. doi: 10.1007/s10584-016-1878-8. <https://link.springer.com/article/10.1007/s10584-016-1878-8>

Ifeanyi-obi, C. & Togun, A. (2017). Effects of climate change on cocoyam farming in southeast Nigeria. *International Journal of Social Sciences*, 11(2), 44-54. <http://socialscienceuniuyo.com/wp-content/uploads/2017/09/Article-4-Ifeanyi-obi-C.-C.-and-Togun-A.-O..pdf>

Tripathi et al. (2015). Paradigms of Climate Change Impacts on Some Major Food Sources of the World: A Review on Current Knowledge and Future Prospects. *Agriculture, Ecosystems & Environment*, 216, 356-373. [doi: 10.1016/j.agee.2015.09.034](https://doi.org/10.1016/j.agee.2015.09.034). <https://www.sciencedirect.com/science/article/pii/S0167880915300992>

Vermeulen, S., Campbell, B., and Ingram, J. (2012). Climate Change and Food Systems*. Annual Review of Environment and Resources*, 37, 195-222. [doi: 10.1146/annurev-environ-020411-130608](https://doi.org/10.1146/annurev-environ-020411-130608). <https://www.annualreviews.org/doi/full/10.1146/annurev-environ-020411-130608>