README file for replication of

"Differentiated Agricultural Sensitivity and Adaptability to Rising Temperatures across Regions and Sectors in China" published on the *Journal of Environmental Economics and Management*

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Replication codes are programmed in Stata 16. The scripts are arranged as follows:

"1a.temperature effects on output.do"	estimates of the weather effects on value of agricultural output (Figure 3, Table S5-S7)
"1b.the north-south disparity.do"	formal test of response heterogeneity between northern and southern values (Table 1, Table S8)
"2a.temperature effects on crop products.do"	estimates of the weather effects on value of agricultural output crop yields (Figure 4, Table S9, Table S10)
"2b.temperature effects on livestock_products.do"	estimates of the weather effects on livestock production (Figure 5, Table S11, Table S12)
"2c.temperature effects on fishery products.do"	estimates of the weather effects on fishery production (Figure 6, Table S14, Table S15, Figure S3)
"3a.moving average model.do"	estimates of the short-run weather and intermediate-run climatic effects on northern agriculture based on the moving-average model (Figure 7, Figure S4, Table S16, Figure F1)
"3b.distributed lag model.do"	estimates of the short-run weather and intermediate-run climatic effects on northern agriculture based on the distributed-lag model (Figure 7, Figure S5, Table S17, Figure F1)
"3c.long difference model.do"	estimates of the intermediate-run climatic effects on northern agriculture based on long-difference model (Figure 7, Table S18, Figure F1)
"4a.simulations.do"	simulated warming impacts on sectoral values using estimates from the moving-average, distributed-lag specifications and long-difference. (Figure 8 , Figure 9,Table 2,Table S19- S21, Figure F2,Table F1)

The linked panel data for replicating main results are deposited as:
"merged_for_reg.dta"
A subset of the product-specific variables is confidential due to data-sharing policies of the data provider. Data use inquiries have to be submitted directly to the administrative data source.