Title: Replication data for: The Impact of Being Surveyed on the Adoption of Agricultural Technology

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Files and directory structure

The files function in the following structure (blue files are provided through Dataverse, red files are created by do-file):

01 do-files/

- analysis_impact_surveys.do — Do-file for this paper

02 survey/

- Baseline Individual Farmers tool.pdf — Baseline (individual) survey
- Baseline Group level tool.pdf — Baseline group survey
- Group census tool.pdf — Group census survey

03 data/

- impact_surveys.dta — Data for this paper

04 logs/

- analysis_impact_surveys.pdf — Log file for this paper

05 graphs/

- Graph 1 Proportion surveyed.png — Figure 1 (png-file)
- Graph 1 Proportion surveyed.pdf — Figure 1 (pdf-file)

06 tables/

- table_sample_sizes.xlsx — Table 1
- table_impact.csv — Table 2
- table_robustness_a.xlsx — Table 3, Columns 1-2
- table_robustness_b.csv — Table 3, Columns 3-4
- table_mechanisms.csv — Table 4
- table_balance_primary_replacement.xlsx — Table 5
- table_impact_market_linkage_for_impact_survey_sample.csv — Table 6
- table_interaction.csv — Table 7
- Tables.xlsx — Formats tables for paper

The main directory is set in line 10 of analysis_impact_surveys.do.

Definition of variables

Group indicators

groupid	Group indicator
Treat_village	Village indicator
All_present	Farmer was present during the group census meeting (binary indicator)

Treatment indicators

baseline_sample	Actually surveyed at baseline
All_survey_status	Randomized survey status
considered	Actually considered for surveys (binary indicator; equals 1 for primary respondents as well as for replacement respondents if less than 6 farmers were surveyed from primary respondents and replacement respondents with lower rank, and 0 otherwise)
Treat_v_market_linkage	Randomized market linkage treatment status (binary indicator)

Dependent variables

adoption	Any Aflasafe purchased (binary indicator)
intensity_kg	Quantity of Aflasafe purchased in kg

BL_I_k2_afla_heard	Baseline survey question K2 (binary indicator)
a_BL_I_k3_afla_tell	Baseline survey question K.3 answer 1, 2, 3 or 4, or correct other specify (binary indicator)
a_BL_I_k4_afla_effects	Number of correct answers for baseline survey question K.4: answers 1-9 plus correct other specify

a_BL_I_k5_afla_prevent	Number of correct answers for baseline survey question K.5: answers 1-6 and 8 plus correct other specify
BL_I_k5_afla_prevent_1	Baseline survey question K.5 answer 1 (binary indicator)
BL_I_k6_afla_measure_1	Baseline survey question K.5 answer 1 (binary indicator)
BL_I_k7_aflasafe_heard	Baseline survey question K.7 (binary indicator)
a_BL_I_k8_afla_used	Baseline survey question K.8 (binary indicator, 0 if BL_I_k7_aflasafe_heard equals 0)
a_BL_I_a3name	Baseline survey enumerator indicator (anonymized)
a_Sale_a1foname	Sales enumerator indicator (anonymized; same value as in a_BL_I_a3name indicates same person)
BL_I_e1fertilizer	Baseline survey question E.1 row 1
BL_I_e5_maize_1	Baseline survey question E.5 row 1
EL_c1inorganic_fertilizer	Endline survey question C.1: Did you use inorganic fertilizer (CAN, DAP) on your maize field this season? 1=Yes 0=No 99=Did not plant any maize in the current season

Baseline survey variables used in Hoffmann et al. (2020)

age_resp	Baseline survey question B.6 row 1
edu_HH	Years of education completed by household head (based on baseline survey question B.7)
relation_head	Baseline survey question B.4 row 1 answer 1 (binary indicator)
assets	Sum of dummy variables indicating ownership in each asset listed in baseline survey section C.1 and C.2
land_maize	Baseline survey question D.2 converted to acres, Winsorized at 99%

maize_harvest	Baseline survey question G.2 converted to kgs, Winsorized at 99%
maize_market	Baseline survey question J.1 (binary indicator)
expenditure_total	Sum of expenditures on agricultural inputs in baseline survey question E.4 plus the sum of labor expenditures, for each category calculated as E.8*(E.9+E.10). The total is Winsorized at 99%
social_capital	Sum of baseline survey questions K.10 and K.11 is above the project sample median (binary indicator)
knowledge_index	An index constructed as 0.6 times the z-score of the sum of dummy variables indicating correct or affirmative answers to baseline survey questions K.1, K.2, and K.3, plus 0.2 times the z-score of the number of correct answers to baseline survey question K.4 plus 0.2 times the z-score of the number of correct answers to baseline survey question K.5
insurance	Sum of baseline survey questions L.1, L.2 and L.3 (where L.3 was taken as 0 if the answer to L.2 was 0)

trust	Mean of:
	• 2/3 times the mean of:
	  o the standardized ratio between baseline survey questions N.7 and N.6,
	  o baseline survey question N.8 answer 1 (binary indicator); and
	• the standardized mean for baseline survey questions P.1.B, P.1.C, and P.1.D (where the scores were first reversed, so that 1=completely disagree, 5=completely agree).

qual_risk_aversion	Baseline survey question P.1.E minus baseline survey question P.1.F

Baseline controls used in Hoffmann et al. (2020)

Treat_v_bundled_insurance	Randomized bundled insurance treatment status (binary indicator)

All_present	Already defined above under *Group indicators*
All_sex	Proxy for gender based on name recorded during the group census meeting (binary indicator; 1 indicates females, and 0 indicates males)
age_resp_grp	Group mean of age_resp
edu_HH_grp	Group mean of edu_HH
relation_head_grp	Group mean of relation_head
assets_grp	Group mean of assets
land_maize_grp	Group mean of land_maize
maize_harvest_grp	Group mean of maize_harvest
maize_market_grp	Group mean of maize_market
expenditure_total_grp	Group mean of expenditure_total
social_capital_grp	Group mean of social_capital
knowledge_index_grp	Group mean of knowledge_index
insurance_grp	Group mean of insurance
trust_grp	Group mean of trust
qual_risk_aversion_grp	Group mean of qual_risk_aversion
county_1	Meru county (binary indicator)
county_2	Tharaka Nithi county (binary indicator)
county_3	Embu county (binary indicator)

group_capacity	Standardized mean of standardized values of:
	• baseline group survey question B.1.A;
	• baseline group survey question B.25;
	• the maximum of the following variables:
	  o baseline group survey question B.8 answer 2 (binary indicator),
	  o baseline group survey question B.8 answer 3 (binary indicator),

    - baseline group survey question B.10 (binary indicator),
    - group census survey question B.3 (binary indicator),
    - group census survey question B.4 (binary indicator);
- baseline group survey question B.5 answer 1 (binary indicator);
- the mean of the standardized values of:
    - baseline group survey question B.9,
    - baseline group survey question B.17.

gender	Ratio between baseline group survey questions B.1.b and B.1.a
Rain_trigger_vegetative_drought	Rainfall indicator: insurance trigger for lack of rainfall during vegetative phase based on the GPS coordinates of the group meeting location
Rain_trigger_flowering_drought	Rainfall indicator: insurance trigger for lack of rainfall during flowering phase based on the GPS coordinates of the group meeting location
Rain_trigger_ripening_excess	Rainfall indicator: insurance trigger for excess rainfall during ripening phase based on the GPS coordinates of the group meeting location

Sample

impact_survey_sample	Included in the randomization of survey statuses as described in the paper