

Mozambique - Promotion of Climate Smart Agriculture II, 2020-2022

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Identification

SURVEY ID NUMBER

MOZ_2020-2022_PROMAC-II_v01_M

TITLE

Promotion of Climate Smart Agriculture II, 2020-2022

ABBREVIATION OR ACRONYM

PROMAC II 2020-2022

COUNTRY/ECONOMY

Name	Country code
Mozambique	MOZ

STUDY TYPE

Other Household Survey [hh/oth]

SERIES INFORMATION

This data is composed of three rounds of household surveys (baseline, midline and endline) used in the impact evaluation study and published in the working paper Brudevold-Newman, A., Boxho, C., Montalvao, J., Proença, M., & O'Sullivan, M.(2026), Land Registration, Input Subsidies, and Agricultural Investment: Experimental Evidence from Women Farmers in Mozambique. Administrative data is also available for (i) the provision of input bundles; (ii) plot registration; and (iii) willingness-to-pay experiment outcomes.

ABSTRACT

This dataset contains survey and administrative data collected for a randomized controlled trial evaluating the effects of land registration and agricultural input subsidies on women farmers in rural Mozambique. The data was collected to assess whether improving women's land tenure security—through assistance with formal land registration—and easing constraints to agricultural investment—through a subsidized input package and agronomic training—affect agricultural investment, productivity, and related household and gender outcomes. The study cross-randomized two interventions at the individual level: (i) land registration assistance for a woman's primary plot, resulting in a land-use certificate (DUAT) in her name (sole or joint), and (ii) provision of an agricultural input package and extension services targeted to the same woman farmer.

The dataset includes a baseline household survey conducted prior to randomization, administrative data on intervention implementation, a willingness-to-pay experiment for the input package, and follow-up household surveys conducted approximately one and two years after intervention rollout.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households

Version

VERSION DESCRIPTION

Edited data, anonymized and packaged for public distribution.

VERSION DATE

2026-04-02

Coverage

GEOGRAPHIC COVERAGE

Mozambique, Province of Zambezia, District of Molumbo

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Andrew Brudevold-Newman	World Bank - Africa Gender Innovation Lab
Claire Boxho	World Bank - Africa Gender Innovation Lab
Joao Montalvao	World Bank - Africa Gender Innovation Lab
Matheus Proenca	Paris School of Economics
Michael O'Sullivan	World Bank - Africa Gender Innovation Lab

FUNDING AGENCY/SPONSOR

Name
World Bank

Sampling

SAMPLING PROCEDURE

We conducted a baseline survey on the total sample of 1,063 farmers in 2020. We selected the sample among the PROMAC (Promotion of Climate Smart Agriculture) II Program's existing participants and newly recruited households eligible to participate in the program. To be included in the sample, beneficiaries had to meet three eligibility criteria: (i) female-headed or married/cohabitating; (ii) own their land; and (iii) do not already have land-use titles. The subsequent two follow-up surveys were conducted in 2021 (midline) and 2022 (endline) on the same sample (with a response rate of ~90-95%)

Data collection

DATES OF DATA COLLECTION

Start	End	Cycle
2020-10	2020-10	Baseline
2021-10	2021-10	Midline
2022-09	2022-10	Endline
2021	2022	Administrative data

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The main mode of data collection was the use of a structured questionnaire. The respondent was provided with coded answers from which to choose. These questionnaires were administered by enumerators who visited the homes of the participating households at a time convenient for the respondents.

DATA COLLECTORS

Name
NCBA-Clusa

Questionnaires

QUESTIONNAIRES

The data consists of responses from households to questions pertaining to (i) agricultural production and sales, crop choices, input usage, and farming practices; (ii) trees; (iii) social network in the community; (iv) women empowerment and intra-household bargaining; (v) household and farm assets; (vi) employment including off-farm; (vii) consumption; and (viii) perceived land tenure security. Whenever relevant, the agricultural module of the household questionnaire was collected at the season level rather than at the yearly level. Administrative data is also available for (i) the provision of input bundles; (ii) plot registration; and (iii) willingness-to-pay experiment outcomes.

Access policy

CONTACTS

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CONFIDENTIALITY

CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the Identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Example:

Andrew Brudevold-Newman (World Bank - Africa Gender Innovation Lab), Claire Boxho (World Bank - Africa Gender Innovation Lab), Joao Montalvao (World Bank - Africa Gender Innovation Lab), Matheus Proenca (Paris School of Economics), Michael O'Sullivan (World Bank - Africa Gender Innovation Lab). Mozambique - Promotion of Climate Smart Agriculture II, 2020-2022 (PROMAC II 2020-2022). Ref: MOZ_2020-2022_PROMAC-II_v01_M. Downloaded from [uri] on [date].

ACCESS AUTHORITY

Name	Affiliation
Matheus Proenca	PSE
Claire Boxho	World Bank

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DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Metadata production

DDI DOCUMENT ID

DDI_MOZ_2020-2022_PROMAC-II_v01_M_WB

PRODUCERS

Name	Abbreviation	Affiliation	Role
Development Data Group	DECDG	World Bank	Documentation of the study

DATE OF METADATA PRODUCTION

2026-04-27

DDI DOCUMENT VERSION
Version 01 (2026-04-27)

Data Dictionary

Data file	Cases	Variables
Cadasta_input Admin Data - Cadasta_input data	1063	4
CombinedBundleDelivery Admin Data - CombinedBundleDelivery data	534	6
combined_wtp Admin Data - combined_wtp data	534	4
list_members_plots Admin Data - list_members_plots data	8148	5
merged_duats_final Admin Data - merged_duats_final data	490	2
PROMAC II - Agregado Familiar - v1-add_members Baseline - PROMAC II - Agregado Familiar - v1-add_members data	3922	4
PROMAC II - Agregado Familiar - v1-all_members Baseline - PROMAC II - Agregado Familiar - v1-all_members data	5911	12
PROMAC II - Agregado Familiar - v1-b2_couple Baseline - PROMAC II - Agregado Familiar - v1-b2_couple data	5911	14
PROMAC II - Agregado Familiar - v1-b309_members Baseline - PROMAC II - Agregado Familiar - v1-b309_members data	398	7
PROMAC II - Agregado Familiar - v1-C2_cultivated_1 Baseline - PROMAC II - Agregado Familiar - v1-C2_cultivated_1 data	1840	44
PROMAC II - Agregado Familiar - v1-C2_cultivated_2 Baseline - PROMAC II - Agregado Familiar - v1-C2_cultivated_2 data	1840	44
PROMAC II - Agregado Familiar - v1-c4_crops_1 Baseline - PROMAC II - Agregado Familiar - v1-c4_crops_1 data	4091	32
PROMAC II - Agregado Familiar - v1-c4_crops_2 Baseline - PROMAC II - Agregado Familiar - v1-c4_crops_2 data	241	32
PROMAC II - Agregado Familiar - v1-c4_plots_1 Baseline - PROMAC II - Agregado Familiar - v1-c4_plots_1 data	1829	51
PROMAC II - Agregado Familiar - v1-c4_plots_2 Baseline - PROMAC II - Agregado Familiar - v1-c4_plots_2 data	234	51
PROMAC II - Agregado Familiar - v1-C5_crops_1 Baseline - PROMAC II - Agregado Familiar - v1-C5_crops_1 data	3173	17
PROMAC II - Agregado Familiar - v1-C5_crops_2 Baseline - PROMAC II - Agregado Familiar - v1-C5_crops_2 data	118	17
PROMAC II - Agregado Familiar - v1-inputs_1 Baseline - PROMAC II - Agregado Familiar - v1-inputs_1 data	1829	40
PROMAC II - Agregado Familiar - v1-inputs_2 Baseline - PROMAC II - Agregado Familiar - v1-inputs_2 data	234	40
PROMAC II - Agregado Familiar - v1-plot_info Baseline - PROMAC II - Agregado Familiar - v1-plot_info data	1837	181
PROMAC II - Agregado Familiar - v1-relation_d1 Baseline - PROMAC II - Agregado Familiar - v1-relation_d1 data	16431	22
PROMAC II - Agregado Familiar - v1-trees Baseline - PROMAC II - Agregado Familiar - v1-trees data	1240	12

PROMAC II - Agregado Familiar - v1-tree_c100 Baseline - PROMAC II - Agregado Familiar - v1-tree_c100 data	1342	6
PROMAC II - Agregado Familiar - v1 Baseline - PROMAC II - Agregado Familiar - v1 data	1216	697
animal_roster Endline - animal_roster data	803	25
B1_members Endline - B1_members data	6128	61
B4_credits Endline - B4_credits data	146	41
B4_pensions Endline - B4_pensions data	192	29
C1_plots Endline - C1_plots data	2041	562
C3_members_act1_e1 Endline - C3_members_act1_e1 data	4861	22
C4_crops_e1 Endline - C4_crops_e1 data	4231	40
C4_crops_e2 Endline - C4_crops_e2 data	543	38
C5_crops_e1 Endline - C5_crops_e1 data	3272	31
C5_crops_e2 Endline - C5_crops_e2 data	503	31
C6_fruits Endline - C6_fruits data	1593	36
estruturas Endline - estruturas data	363	6
instalacoes Endline - instalacoes data	98	5
member_roster_business Endline - member_roster_business data	311	8
negocio_roster Endline - negocio_roster data	275	195
PromacII_HH_Endline_2022 Endline - PROMAC-II HHEndline 2022 data	1054	629
trees Endline - trees data	1491	5
animal_roster Midline - animal_roster data	811	25
B1_members Midline - B1_members data	5870	52
B4_credits Midline - B4_credits data	189	41
B4_pensions Midline - B4_pensions data	200	29

C1_plots Midline - C1_plots data	1866	492
C3_members_act1_e1 Midline - C3_members_act1_e1 data	4215	22
C4_crops_e1 Midline - C4_crops_e1 data	4140	38
C4_crops_e2 Midline - C4_crops_e2 data	199	38
C5_crops_e1 Midline - C5_crops_e1 data	3458	31
C5_crops_e2 Midline - C5_crops_e2 data	188	31
C6_fruits Midline - C6_fruits data	1359	35
estruturas Midline - estruturas data	405	6
instalacoes Midline - instalacoes data	436	5
insumo Midline - insumo data	2968	26
member_roster_business Midline - member_roster_business data	215	8
negocio_roster Midline - negocio_roster data	246	174
PromacII_HH_Midline_2021 Midline - PromacII_HH_Midline_2021 data	1064	640
trees Midline - trees data	1331	5