

Senegal - Agricultural Value Chain Support Project, IFAD Impact Assessment Surveys, 2018

International Fund for Agricultural Development

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Identification

SURVEY ID NUMBER

SEN_2018_PAFA-IIAS_v01_EN_M_v01_A_OCS

TITLE

Agricultural Value Chain Support Project, IFAD Impact Assessment Surveys, 2018

COUNTRY

| Name | Country code |
|---------|--------------|
| Senegal | SEN |

STUDY TYPE

Agricultural Survey [ag/oth]

ABSTRACT

The Agricultural Value Chain Support Project (PAFA) was designed to improve the livelihoods of smallholder farmers in Senegal's groundnut basin. The main intervention, implemented through producer organizations, consisted of a comprehensive package of agricultural inputs, machinery, technical advice, and commercialization contracts with market operators. The project targeted vulnerable smallholder farmers, women, and underemployed youths.

The project is articulated around five components: (1) agricultural diversification and access to local market (2) development and structuring of regional value chains, (3) national coordination, knowledge management and project management, (4) climate change adaptation, and (5) support services for rural finance. The project was innovative in that, in addition to providing support to farmers through producer organisations (POs), there was an emphasis on improving concertation and collaboration around key value chains.

For more information, please click on the following link

<https://www.ifad.org/en/web/knowledge/-/publication/impact-assessment-agricultural-value-chains-support-project-pafa-> .

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households

Scope

NOTES

The subjects covered by the survey are the following:

- Household roster
- Adoption of crops promoted by PAFA
- Agricultural production, productivity
- Agricultural income
- Economic mobility
- Food insecurity and diet diversity
- Crop and income diversification
- Resilience
- Market access.

Coverage

GEOGRAPHIC COVERAGE

The project covers four regions in the Groundnut Basin, notably Diourbel, Fatick, Kaolack and Kaffrine.

UNIVERSE

Vulnerable agricultural households

Producers and sponsors

PRIMARY INVESTIGATORS

| Name | Affiliation |
|---|----------------|
| International Fund for Agricultural Development | United Nations |

FUNDING AGENCY/SPONSOR

| Name | Abbreviation | Role |
|---|--------------|---------|
| International Fund for Agricultural Development | IFAD | Funding |
| OPEC Fund for International Development | OFID | Funding |
| Gouvernement of Senegal | GoS | Funding |

Sampling

SAMPLING PROCEDURE

Given that the intervention was implemented at the PO (Producer Organization) level, a quantitative PO questionnaire as well as a detailed household questionnaire was administered to a sample of beneficiary and non-beneficiary PO members and leaders. A mixed-methods approach was used to determine the impact of the SPAM subsidy program.

Given the likelihood of spillover effects both within and across POs, the sampling strategy identified three groups in addition to the SPAM participants: 1. non-SPAM: members of PAFA POs who did not receive the SPAM (to measure the spillover within POs); 2. controls within: members of control POs in the regions of intervention; and 3. controls outside: members of control POs located outside of the regions of intervention.

Household-level data were collected from a sample of 2,233 rural households: 835 SPAM, 361 non-SPAM, 650 controls within, and 387 controls outside. Additionally, data were collected from 217 POs: 85 treated, 86 controls within PAFA regions, and 51 controls outside PAFA regions. An inverse probability weighting with regression adjustment (IPWRA) estimator was used to determine project impact.

WEIGHTING

No weighting.

Data Collection

DATES OF DATA COLLECTION

| Start | End |
|---------|---------|
| 2017-07 | 2017-08 |

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

Questionnaires

QUESTIONNAIRES

This impact assessment fielded two survey instruments; the household questionnaire which contains information on household demographics, agricultural production, other income generating activities, and a shock/resilience module; and a PO-level questionnaire where a detailed account of PO activities, their institutional structure, crop production, level of market access, and constraints faced were recorded.

Using the data collected, the impact of PAFA was estimated on household-level indicators such as agricultural production, economic wellbeing, and resilience, and at the PO -level on market access, commercialization and asset levels, income and crop diversification.

Note: some variables may have missing labels. Please, refer to the questionnaire for more details.

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- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
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International Fund for Agricultural Development. Agricultural Value Chain Support Project, IFAD Impact Assessment Surveys, Senegal, 2018. Dataset downloaded from <https://microdata.fao.org>.

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Metadata production

DDI DOCUMENT ID

DDI_SEN_2018_PAFA-IIAS_v01_EN_M_v01_A_OCS_FAO

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|------------------------------|--------------|-----------------------------------|-------------------|
| Office of Chief Statistician | OCS | Food and Agriculture Organisation | Metadata producer |

DDI DOCUMENT VERSION

SEN_2018_PAFA-IIAS_v01_EN_M_v01_A_OCS_v01

Data Description

| Data file | Cases | Variables |
|-----------------------------|--------------|------------------|
| anon_df_sen_11 | 2233 | 2992 |
| anon_household_df_11 | 2233 | 216 |