From the field: An inside look at providing agricultural microinsurance in Ethiopia and Nigeria

CAS Annual Meeting 2020

MicroInsurance Centre at Milliman

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11 NOVEMBER, 2020



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Speakers



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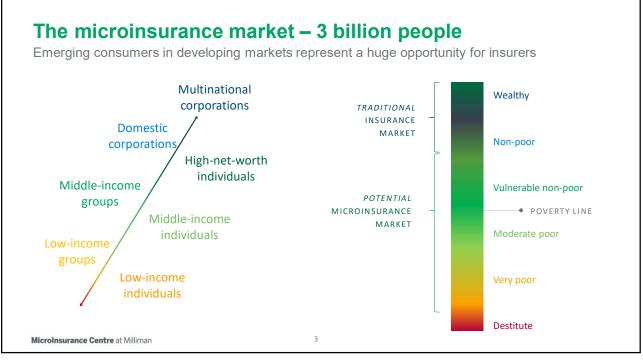


Mariah Mateo Sarpong Director of Communications and Knowledge Management MicroInsurance Centre at Milliman United States



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Developing a holistic risk management solution in northern Ethiopia

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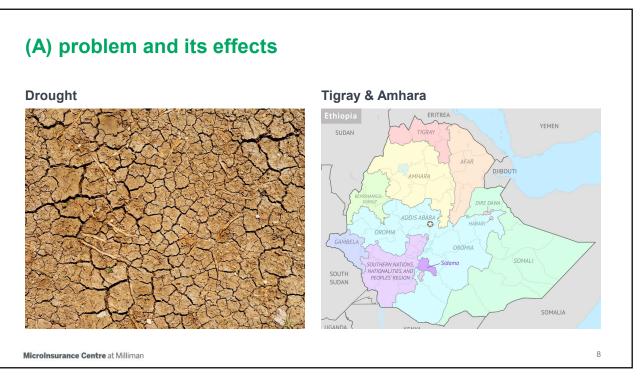
Who is the end client?

- PASIDP farmers
- Irrigated & rainfed crops slightly better off
- Informal workers
- No protection against crop risks
- Income highly volatile, seasonal; Annual ranges USD 130 – 800
- Financial services RuSACCOs (only half)

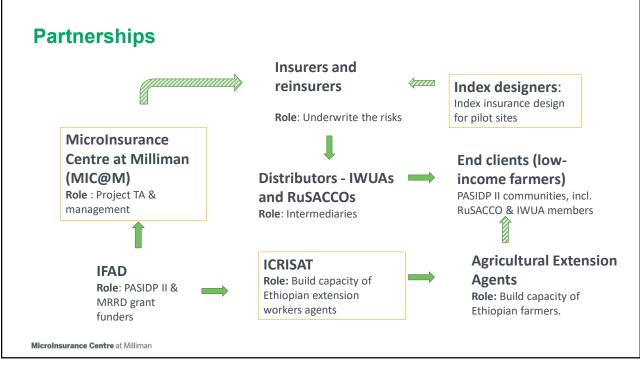


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Product name	Crop index insurance
Clients	 Smallholder cereals farmers in northern Ethiopia
Risks covered	 Drought
Non-insurance risk management	 Extension services
Crops covered	 Rain-fed crops (cereals, i.e. wheat, sorghum, teff)
Distribution channels	 RuSACCOs, and Irrigation Water Use Association (IWUAs) members
Premiums and sum insured (1 pilot site)	 Premium range between USD 5.30 – 26.60 Sum insured (max payout) range USD 44.30 – 221.60
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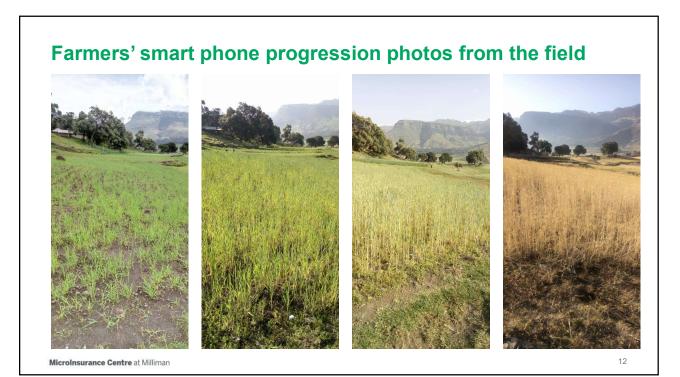
Product pilot 2019 – technical setup

 $\ensuremath{\text{Drought}}$ - rainfall estimates & enhanced vegetation index (EVI) from satellite data



Community post - satellite data





Product pilot 2019 – awareness & distribution

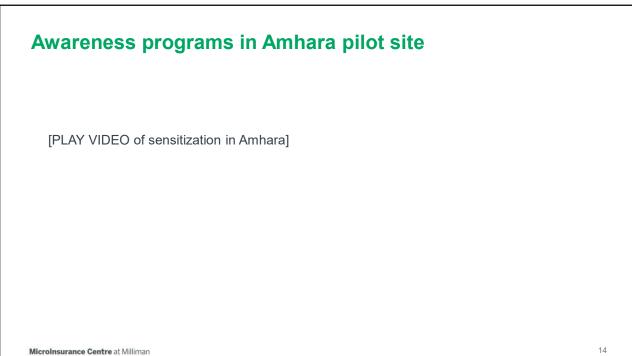
- Sales: sensitization sessions by insurer
- Premium collection: insurers collected premium directly
- Pay out: Kobo site





Posters & brochures in local language

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Product and subsidy pilot testing in Northern Nigeria

Who is the end client?

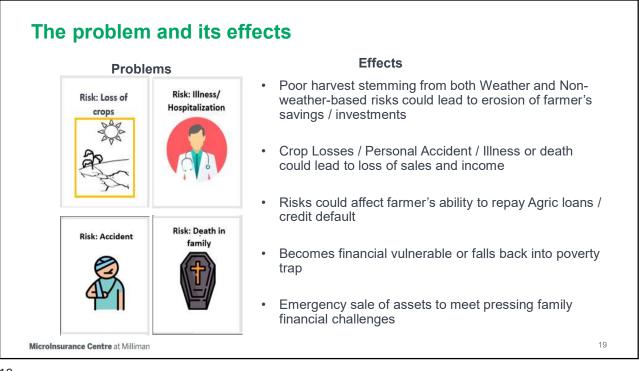
Smallholder farmers belonging to Maize Association of Farmers, Kaduna Chapter

- Household size of 5 6 members; mud house
- 70% are males

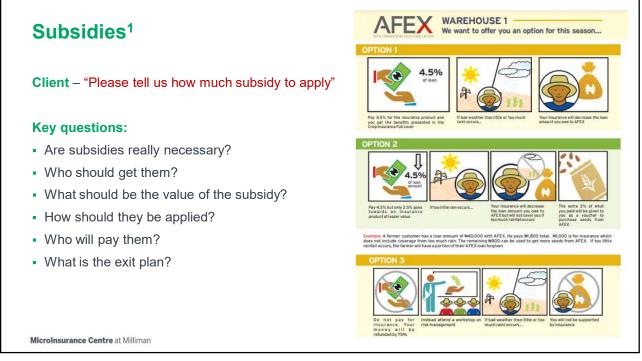
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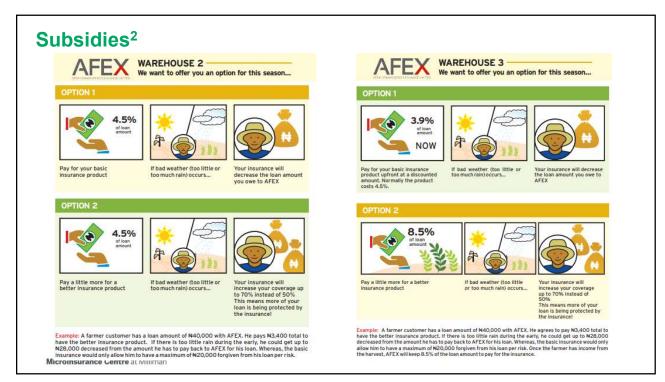
- Informal worker; Earns less than USD 5 per day
- Typical risks (not protected): Crop losses due to Weather/Climate peril, Pest & Diseases, increases in input prices, illness, thieves, gov't officials
- Worries: Loss of income, impact of illness/accident on livelihood/farming activity, Savings or Credit or Input finance default risks due to poor harvest
- Financial services: No insurance but has a bank account (lives 15 miles away), very little savings kept at home, transactions are in CASH
- Goals / dreams : Increase yield, profit, access to finance and quality inputs, access to better farm risk management tools
- Reliant on Aggregators or Meso level distribution partners i.e. AFEX to assist them in facilitating financial

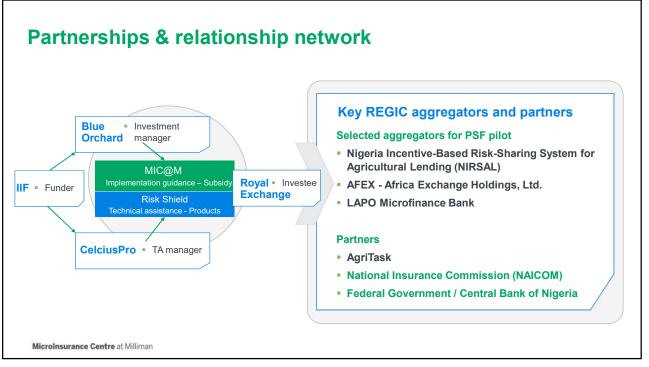


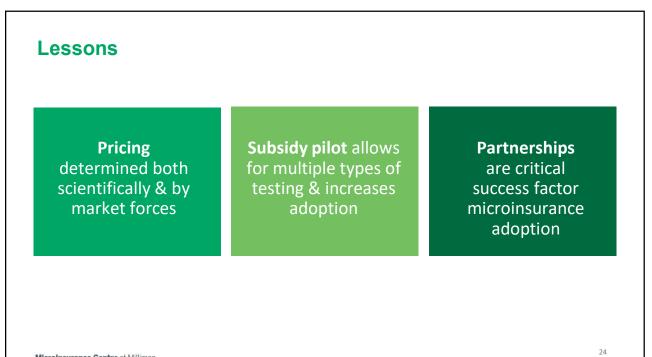


Product name	Crop Insurance
Clients	 Maize Farmers Association of Nigeria, Rice Farmers Association of Nigeria, etc.
Risks covered	 Weather risks (i.e. drought, excess rainfall, flood), Non-weather risks (pest and diseases, fire outbreak, hail etc.), Credit default risks, and Death or permanent disability risks to small-holder farmer groups
Non-insurance risk management	 Access to monitoring and evaluation tools, Trainings on GAP, Access to weather forecast information
Crops covered	 Maize, Rice, Ginger, Sorghum, etc.
Distribution channels	 NIRSAL, Central Bank of Nigeria, AFEX, Commercial Banks, MFIs
Premiums and sums insured	 Premium 3.5% - 5.5% of Sum Insured. Sum Insured is typically calculated as value of loan amount per ha, cost of production per hectare or expected selling price per yield









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