Intensification of crop- livestock systems through Public-Private Partnership (PPP): Experiences from ILRI-N2Africa

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N2Africa-Putting nitrogen fixation to work for smallholder farmers in Africa

Available Technology

Demonstration Dissemination

Research

Sustainability Adaptation

Inputs
- Inoculant (MBI, NARS)
- Chemical Ferti
- Seeds
- Agro chem.

FCU

Access to Input
MBI, NARS, NGOs ...

Smallholders (producers) organized in clusters

FCU

Market link
Traders,

Buyers
Product developers/Exporters
Public-Private Partnership (PPP) for intensification of crop-livestock systems: experiences from ILRI-N2Africa

N2Africa-Putting nitrogen fixation to work for smallholder farmers in Africa

Inoculation and P fertilizer improves crude protein content on common bean (Ethiopia)

Improved nutrition

Gender inclusive
Increased production

(but does not always guarantee dissemination of a technology and its adoption)

Yield advantage of ≥ 1t over the control yield to 25% of target farmers

35% of target farmers got yield advantage of 0.5 - 1t over the control yield

Chickpea Absolute Response to P &/or I (Kg/ha) [Yield of P and/or I minus control yield]
Are you coming also this year to establish demo plots? We are convinced that the tech. works—please bring the inoculants so we grow more for market.
ILRI-N2Africa organized and functionalized 7 PPP clusters to ensure sustainability (access to input & market, and research).

**Pawe Cluster PPP Model on Soybean as Animal Feed**

- Designing and Facilitation of partnerships
- Technical support
- M&E
- Grants and leverage resources
- Evidence generation
- M&E, Communication
- Technical support
- Develop extension materials
- Liaise with other stakeholders

- Supply inoculants
- Trainings on inoculant applications, handling, storage and distribution
- Grain buyer,
- Seed access (ACOS variety)
- Support trainings on grain quality & grading

Following this model, ILRI-N2Africa reached overall > 25,000 farmers (2014 – 2015) on improved legume production technology and made efforts to establish market links (by facilitating contractual agreements for input (inoculant) delivery and output market).
An all-in-one approach to ensure dissemination/scaling-up, adaptation of technology and research

Why it is not working? ⇒ Research

Cumulative Probability (%) vs. Absolute Response to P &/or I (Kg/ha) [Yield of P and/or I minus control yield]

- 25% of target farmers
- 35% of target farmers

Keep up dissemination/Scaling up of the technology

Research M&E D&D

Research
better lives through livestock

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