



**ANNUAL STEERING COMMITTEE OF ECABREN
– PABRA,
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**ANNUAL REPORT
Country : Madagascar**

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Note

- The programme Legumineuses works with partners
- Generally, partners bring their financial contribution in addition to the budget given by PABRA
- So, our reports mix both the activities funded by ECABREN and partners where it is the case.

Adopted plan

While writing each activity report, we adopted the following plan :

- Rationale / Justifications
- Objectives
- Method
- Results ‘
- Associated researchers

For the presentation, we will just show the objectives and the results

Multiplication of breeder seeds in partnership with Cooperative Tsinjo of AMADEA

OBJECTIVES

To produce a consequent amount of basic seeds in view to make them available for other seed multipliers

RESULTS

1150 kg of breeder seeds were sown (8 varieties)

10 900 kg of basic seeds were obtained , in which the most important were:

CAL 98 = 6 200 kg

RI 5-2 = 4 500 kg

- Sown

RI 5-2 450 kg

RI 5-3 = 100 kg

CAL 98 = 400 kg

UBR 91(45-1) = 20 kg

DRKF = 20 kg

ODR = 20 kg

- DRK64 = 40 kg

Production

4 500 kg

NA

6 200 kg

Multiplication of breeder seeds in partnership with FG in Soavinimerina Mahitsy

- DRK 64 = 50 kg
- UBR 91(45-1) = 400 kg
- ODR = 650 kg
- DRKF = 50 kg

Destination of these seeds

The outlet of these products are:

- 5 000 kg of CAL 98 are the property of AD2M
- 2 000 kg of RI 5-2 are already ordered by farmers of AD2M in Menabe
- 1 000 kg of RI 5-2 ordered by an individual in Miandrivazo, aiming 12 t for trade
- 400 kg of RI 5-2 ordered by a Society “Feculerie de Marovitsika” in the mid east
- 100 kg of RI 5-2 bought by a NGO working in environment protection (100 farmers)
- 400 kg of RI 5-2 ordered by MFE for seed production aiming export to South Korea



Selling seeds since few years has changed life of farmers (see « success stories » for more details



That lady could afford a cow

SEED PRODUCTION INITIATION AT FARMERS' LEVEL IN FARAFANGANA (S-E) IN PARTNERSHIP WITH **FAO – DIAKONIA** ASSOCIATION

OBJECTIVES

- To try 2 improved varieties supposed to be performing / adapted in the local conditions
- To determine **the right and precise date or period for sowing beans**
- To train and familiarize local technicians and farmers in new technology of bean growing and seed producing for food security
- To set up a structure of improved bean seeds producing and delivering, for income generation

SEED PRODUCTION INITIATION... (cont'd)

- RESULTS

- 2012 :

- Planned sowing date delayed
 - 250 kg officially produced
 - Habit / behaviour dominating

- 2013 :

- Sowing date followed (90% of farmers)
 - Appropriation of the new technology
 - 2265 kg of seeds produced
 - Habit / behaviour has been changed

- The assigned objectives were reached : sowing date for the region, adapted varieties found, habit has been changed

SEED PRODUCTION INITIATION... (cont'd)

- As a consequence of the previous activity, FAO proposed to sign a new MOU for a 3-year project called « AINA » or life.
- The same idea is kept but it will be extended to a larger area in the same Region

SEED PRODUCTION TARGETING EXPORT MARKET IN PARTNERSHIP WITH HELVETAS COOPERATION - STOI GROUP – ASSOCIATION AJDA – FOFIFA

- OBJECTIVES

- To make available more than **700 t of beans ready to be exported on September 2014**
- To set up a consortium of bean producers to respond to the future demands in two regions Analamanga and in Amoron'I Mania

SEED PRODUCTION TARGETING EXPORT MARKET IN PARTNERSHIP WITH HELVETAS COOPERATION - STOI GROUP – ASSOCIATION AJDA – FOFIFA (Cont'd)

RESULTS

- 7000 kg of certified seed were bought by STOI and Helvetas and planted by AJDA last December, and monitored by FOFIFA Programme Legumineuses
- The aspect of the crops is promising
- On-going activity

PESPECTIVE

- Seen the actual stage of the crop, the second step could be carried out at the previous date: March-early April 2014 to June-july

TRAINING AJDA



Arivonimamo



Soavina Amoron'i Mania



Application in Soavina



Fortified bean flour project

OBJECTIVES

- To demonstrate that **fortified bean flour** consumption could contribute **to the fight against malnutrition** among young pupils
- To change diet habits of the population

Fortified bean flour project (Cont'd)

RESULTS

- 2t of fortified flour were produced and delivered to both the primary school and the community targeted by ONN
- Stability of the number of stunted pupils in the targeted public school
- Decrease of the number of pupils with weight deficiency

Fortified bean flour project (Cont'd)

PERSPECTIVES

- The MEN (Ministry of National Education) with UNICEF intended to widen the School Feeding Programme with Bean Flour to the 22 regions of Madagascar.
- Use of micronutrient rich beans into the trials

Popularization of New varieties of rich beans

Objectives

- To educate people on nutrition
- To set the place / role of beans into the dietary balance, and to aware about the bean nutritional value
- To share / demonstrate balanced bean based recipes (10 recipes)

Popularization of New varieties of rich beans (cont'd)

Results

- 7 Regions covered
- TOT : $(60 \times 7) = 420$ trainers benefited from the trainings (Female 303, Male 117)
- Number of beneficiaries

Popularization of New varieties of rich beans (cont'd)

Location	# beneficiaries	Notes
Sava	11 000 (male 8 729, female 2271)	Collaboration with the Society TRIMETA (financial support) which targets the food security in the locality
Analamanga	65 000 (male 34 006; female 30 994)	4 districts
Boeny	350	Training on the place of beans in the nutrition ; Ikinimba cultivation
Menabe	2 102 trainees (male 633, female 1 269) 23 agents from local ORN 5 183 plates served	3 districts ; collaboration with AD2M ; training on nutrition + bean nutritional properties, social mobilization (bean based dishes tasting)

Popularization of New varieties of rich beans (cont'd)

Locations	NO beneficiaries	Notes
Melaky	766 trainees (male 247, female 519) 44 community based agents 2 873 plates served	1 District ; collaboration with AD2M ; training on nutrition + bean nutritional properties, social mobilization (bean based dishes tasting)
Vakinankaratra	TOT : 50 trainers who trained 74 trainees and 11 local community based agents	
Haute Matsiatra	TOT : 50 trainers who trained 200 trainees within 2 months	Collaboration with Prosperer (National Program)

School garden

- **OBJECTIVES**

- To educate children to love food growing
 - To educate pupils to take care of their environment
 - To share / demonstrate how to exploit their narrow environment
- Commune Urbaine d'Antananarivo collaborated with the programme

School garden (cont'd)

RESULTS

- 3 varieties of bean and various vegetables were produced.
- Both Teachers and pupils were cooking and enjoyed eating together their products

PERSPECTIVE

To be continued this year 2014

Rich bean seeds supplying

OBJECTIVES

- To introduce new rich bean varieties in productive zones
- To create local new demand / needs for rich beans varieties

Rich bean seeds supplying (cont'd)

RESULTS

- Boeny Region: 50 kg of CAL 98 supplied ; Growing bean generate locally new income for the workers (350 pers/day)
- Haute Matsiatra: 60 kg of Ikinimba supplied to farmers
- Vatovavy Fito Vinany : 50 kg
- Vakinankaratra : 180 kg of Vangamena FOFIFA (CAL 98) are supplied to CFAMA for seed production, and 50 kg to ORN to distribute among their site of activities
- Sava : 50 kg

These seed increasing and seed production are still going on ; harvest is expected this month (February 2014)

Rich bean seeds supplying (cont'd)

PERSPECTIVE

- The whole product made available, will be utilised by ONN & ORNs for their local activities in Nutrition, and for bean consumption (people are used to consume white seeded or small red beans; so introducing coloured varieties will change little by little the local diet habit.

Test of new bean varieties against BSM attack

OBJECTIVE

- Test of new varieties against BSM attack

RESULTS

	Note	Antanety	Andohavary II
Rainy season	BSM attack	+++ VTT 920-26 is the best preformer	+
	Soil fertility	Poorer	Reacher
	Yield	Lower	Higher
Mid-season	Infestation of BSM higher but effect leaker		
	Previous flood during vegetative stage affects the yield		

Test of new bean varieties against BSM attack (cont'd)

- VTT 920-26 has produced more than the others varieties even with an high infestation in Antanety
- Cal 98 is resistant to BSM attack

PERSPECTIVE

- - Seed production of the varieties resistant to BSM oriented to the market like Cal 98.
- -Train farmer's group on the protection of bean crop
- -Monitor and survey the adoption and dissemination of the strategies options against BSM attack

Training of farmer's group on seed production

OBJECTIVE

- To give knowledge to the farmers for improving their production

RESULTS

- Women are the majority of the participants: 26 women and 8 men. This is the first training they have got.

PERSPECTIVE

- Monitor and evaluate the impact of the training in each farmer's group

THANK YOU FOR YOUR ATTENTION

MISAOTRA TOMPOKO

MERCI DE VOTRE ATTENTION