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Dry Grain Pulses CRSP

MICHIGAN STATE
UNIVERSITY



PROGRESS REPORT

Project of Michigan State University: “Implementation of the commercialization of disease resistant bean varieties in Haiti.”

Financed by USAID

February-April 2012

Rapid Bean Technology Dissemination (BTD)

I. – Partners Meeting and calendar of activities

The project strategy was reviewed in early 2012 by the executive Director of Michigan State University. The project will do emphasis during this period, march-april, to disseminate seeds of DPC-40 and Rhizobium inoculum though different areas just to get the opportunity of bean season in Haiti March-April.

A launching meeting for the dissemination campaign was held with 9 institutions working in rural areas with producers.



Table1. - List of institutions present in the meeting on March 2, 2012

INSTITUTION/ONG/Project	AREAS OF INTERVENTION
DEFI/MARNDR	Deli, Fond Baptiste
SUCO	Sud-Est
WINNER	Ouest (Kenscoff, zone des Matheux)
Caritas-Haïti	All 10 departments of the country
Agro Action Allemande	Sud-Est, Nord, Nord-Est, Nord-Ouest, Ouest
CROSE	Sud-Est
PIA/MARNDR	Artibonite
CECI	Nord, Nord-Est, Artibonite, Centre, Nord-Ouest
World Vision	Centre, Nord, Ouest, La Gonâve

A schedule of activities has been established with them and a training session has been organized on the use of the Rhizobium inoculum at the faculty of agronomy. This training has been presented by Dr Fenel Felix, on April 2th, 2012 with the participation of 15 representatives of the following institutions: CECI, CROSE, Agro Action Allemande, PIA, ACDI/VOCA, WINNER, CARITAS, Congrégation Lauritas (Areguy) and 2 from the MoA (SNS, Direction of external cooperation)



II. - Field Trip

During the month of February a second monitoring visit was carried out after about two months of planting the experimental plots in the two areas (Damien and Mirebalais) where we set up these plots. The objective of these visits was to observe the condition of development of each plot at each stage of development, compared to those who were not inoculated with Rhizobium. In the plots of bean inoculated in these two areas, the plants are in good condition of development (see pictures).

The experimental plots inoculated with Rhizobium (Mirebalais)



The experimental plots in Damien



III.- Elaboration and printing of brochures

In the strategy to promote the BTB project in Haiti, it has been planned to elaborate a brochure (see annex), with major objectives to reach through this project. The brochure has been prepared in early February and 3000 brochures printed. A first distribution of the brochures has been effective during the meeting organized in IICA office with key institutions working in rural areas with the producers.

IV.- Material procurement

Purchase of seed DPC-40 in Dominican Republic at CAU (March 2012), printed label, technical plug such as:

- 14 tons of the seed, March 2012
- 75kg of Rhizobium inoculum at the University of Puerto Rico (UPR).
- 10 000 labels identifying the bags
- 10 000 didactic material on production of beans, March 2012 (see annex 5)

V.- Distribution of seed and Rhizobium inoculum

First, for the 14 tons of seed, a first shipment of 7 tons was delivered by CAU on Wednesday, March 21, 2012 and the second shipment (7 tons) was delivered on Thursday, April 12, 2012 at the border of Elias Piniás in Belladère. For the 75kg of Rhizobium inoculum, a first cargo (2000 bags of 25 g / bag) arrived on Friday, March 16, 2012 and the second shipment (1050 bags of 25 g / bag) on Thursday, March 29, 2012.

On Saturday, March 31, 2012 the first dissemination campaign started with a sequence of distribution and ended on Tuesday, April 17, 2012. Seven departments of Haiti have been visited to bring to small producers a small package of beans and Rhizobium inoculum.

All the **14 tons of seeds of DPC-40** were distributed, in **5990 small bags of 5lbs** and for the **75kg of inoculants** we distributed **3050 bags of 25g** to 9 partner institutions. For more details, see the tables below.



Table 2. – Results of distribution of the first shipment of 7 tons (3080 bags of 5 lbs) of seeds received from CAU and 75kg of Rhizobium from UPR (Season March-April 2012)

Department	Institutions/areas of intervention	Quantity of seeds distributed by institution	Quantity of Rhizobium distributed by Institution	Delivery date
Nord	Agro Action Allemande (Saint Raphael)	0.323T = 142 petits sacs de 5lbs	142 sachets	10/04/12
Artibonite	PIA (Marmelade)	0.318T = 140 petits sacs de 5lbs	140 sachets	10/04/12
Ouest	WINNER (Kenscoff, Fond Baptiste)	1T = 440 petits sacs de 5lbs	440 sachets	03/04/12 and 09/04/12
Sud-est	CROSE (Jacmel, Seguin, Cap Rouge)	1.25T = 550 petits sacs de 5lbs	550 sachets	04/04/12
	ACDI/VOCA(Thiotte, La Vallée)	1T= 440 petits sacs de 5 lbs	440 sachets	02/04/12 and 03/04/12
	Congrégation Sœur Lauritas (Arreguy)	0.496 T = 218 petits sacs de 5 lbs	218 sachets	31/03/12
Nippes	Centre de Salagnac/MARNDR (Salagnac) et Fonds des Nègres	0.727T = 320 petits sacs de 5lbs	320 sachets	03/04/12
Plateau Centrale	CECI (Baptiste, Savannette)	1.534T = 675 petits sacs de 5lbs	675 sachets	03/04/12 and 09/04/12
Total		6.648T = 2925 petits sacs de 5lbs	2925 sachets	

Note: For the 14 tons of seed there is some loss during handling and transport and for the 75 kg of Rhizobium only 30 bags were missing in the received package.

Table 3. - Results of the distribution of 7T (3080 bags of 5 lbs) seed DPC-40 (second shipment)

Department	Institutions/areas of intervention	Quantity of seeds distributed by institution	Quantity Rhizobium distributed by Institution	Delivery date
Nord	Agro Action Allemande (Saint Raphael)	1.045T= 460 petits sacs de 5lbs	----	16/04/12
Artibonite	PIA (Marmelade)	0.182T = 80 petits sacs de 5lbs	----	16/04/12
Ouest	WINNER (Delice)	1T = 440 petits sacs de 5lbs	-----	16/04/12
Grande-Anse	FNGA (Decadé)	0.666T= 293 petits sacs de 5lbs	40 sachets	17/04/12
Sud-est	CROSE (Savane Zonbi)	0.566T = 249 petits sacs de 5lbs	28 sachets	13/04/12
Centre	CECI (Baptiste, Savannette)	1.507T = 663 petits sacs de 5lbs		14/04/12
	Projet Fruitier (Haut et Bas-Plateau)	2 T= 880 petits sacs de 5 lbs	57 sachets	17/04/12
TOTAL		6.966T= 3065 petits sacs de 5 lbs	125 sachets	

Annex 1: Pictures of the first campaign of BTD project in Haiti

Haitian farmers with the package of bean



Farmers of Saint Raphael



A farmer of Saint Raphael



Farmers of Fond Baptiste



Farmers of Kenscoff

Annexes 2, 3 and 4: Brochure of the project, Letter of stopped agreement with AGROTECHNIQUE,
List of Participants in the Launching meeting



Brochure version
finale.pdf



accusé réception
lettre Agro Technique



Liste des participants
à la rencontre de MU



KOUMAN POU PREPARE JADEN PWA

- Tè a dwe byen prepare (byen laboure)
- Mete fimye nan tè a anvan nou plante
- Pwa dwe plante sou biyon pou gous yo pa trennen atè
- Distans biyon yo se 50 cm epi distans chak pye pwa sou biyon yo se 10 cm



Biyon pwa nan jaden

- Nou dwe plante lè tè a mouye
- Nou dwe mete 1 grenn pwa oswa 2 grenn nan twou yo
- Pwa a dwe pran pou pipiti 2 sakle, premye a dwe fèt 15 a 22 jou apre plantasyon an, dezyèm nan dwe fèt anvan pwa a fleri
- Si pwa plante kote ki gen irigasyon li dwe wouze chak 8 jou

MEN KEK JAN POU KONBAT KÈK ENSÈK
 Pou konbat ensèk yo nou kapab itilize plizyè teknik tankou: pa kite raje nan lantouraj jaden an, plante lòt plant ki gen odè tankou bazilik pou ka repouse ensèk yo, fè boukan ak zèb sèch yo lannwit pou atire krikèt yo, sèvi ak enspektisid ki rele AKTARA pou goumen ak ensèk yo (mete 2 kiye AKTARA nan yon ponp ki kenbe 5 galon dlo), pou limas ki atake pwa nan mòn fouye yon twou nan mitan jaden an epi mete yon bokit emaye nan twou a apre sa vide 3 boutèy byè ladanl pou atire limas yo. Lè yo vin nan bokit la yap sou, lè sa wap ka ranmase yo fasil nan maten.

Me kèk ensèk ki bay problèm nan jaden pwa

1-CHINI :se yon ti bèt ki manje fèy pwa yo



2-MOUCH BLANCH :se yon ti bèt ki pote maladi mozayik dore sou pwa yo, PA TOLERE YO



3-MIT :se yon ti bèt ki pike semans yo



MEN KÈK FASON POU TRETÈ SEMANS YO ANVAN NOU PLANTE YO

- Trete semans yo ak enspektisid natirèl ki fèt ak poud nim; mete demi ti mamit poud nim nan yon mamit pwa.

GRENN NIM :se yon enspektisid natirèl



Nou ka trete yo tou ak yon enspektisid chimik ki rele GAUCHO ki pwoteje plante lan pandan yon mwatye. Mete yon kiye poud GAUCHO nan 1 mamit semans. Mouye GAUCHO a, fè li tounen yon pat epi brasel byen ak semans lan. Apre tretman seche semans yo nan lonbraj.

ANGRÈ NATIRÈL POU GWO PWA
 Nan yon mamit semans, mete kantite angrè natirèl ki nan ti sachè. Apre sa a, ajoute yon kantite dlo pou semans yo ka vin yon jan imid (mete 1 a 3 ti bouchon tanpico dlo pou chak mamit semans).

Melanj Semans gwo pwa ak angrè natirèl la



Enfòmasyon sa yo ap pèmèt nou toujou kenbe kalite semans nou yo pi lontan PWA SA DWE PLANTE APA POU NOU KA WÈ REZILTA YO PI BYEN.

Apre sa a mete semans ki fin melanje ak angrè natirèl la yon kote ki pa fè cho, sa vle di ki gen yon tanperati ki pa depase 20 °C. Kote sa a solèy pa dwe rive ladanl pou semans lan pa gen kontak dirèk ak limyè solèy la. Apre sa a, Plante semans ki melanje ak angrè natirèl la nan menm jou a. Men si ou pa ta gentan plante semans lan nan menm jou a, lè sa wap konsèl ansanm ak rès angrè natirèl la, nan yon kote ki fre epi ki sèk. Si tan ou konsèl la ta depase yon jou, lè sa a lap mande pou semans yo melanje ak lòt angrè natirèl la ankò.

REKÒT GWO PWA AK TRETMAN APRÈ REKÒT LA

1-Pou rekòt la

- Rekòlte pwa lè li rive a matirite sa vle di lè tout fèy yo mouri epi lè gous yo pa vèt ankò

2-Trètman apre rekòt la

-Seche pwa ak tout gous yo sou yon pwela, nat oswa glasi pandan 3 jou MEN PA BLIYE FOK GLASI A BYEN SEK

-Pa janm seche pwa sou fèy tòl

-Aprè sechaj, bat pwa nan sak pou grenn yo ka pwòp epi pou yo pa gaye toupatou

-Triye pwa pou retire tout moso kase, vye fèy ak tout lòt debri

KIJAN POU NOU ESTOKE PWA

Sere pwa yon kote ki fre epi ki pa imid.

Fason sak yo dwe ranje sou palèt yo

