

SUMMARY AND PROGRESS OF FIRST CALL PROJECTS

Project Title: Study on the improvement of productivity and production of oilseed crop through integrated crop management practices in the mid-western region of Nepal (060/059/060)

Project Co-ordinator: Mr. Narayan Prasad Khanal

Address: FORWARD, Chitwan

Duration: 2 years and 8 months [Nov 2003 to Oct, 2006]

Budget: NRs. 21, 46,800

Location: Banke and Surkhet districts

Purpose: Increase productivity of food crops through enhancing farmers' access to improved seeds in project areas.

Output:

1. Appropriate package of practices for rapeseed and mustard cultivation developed

1. Uptake pathways for the dissemination of research findings developed

S. N.	Activities	Progress
1.1	Survey of rapeseed pocket areas in Banke and Surkhet districts	Accomplished the survey of rapeseed pocket areas in Banke and Surkhet districts/

1.2	Participatory varieties selection [PVS] cum planting dates trials at farmers' fields	Multiplication farmer's field trials were planted both at Banke Kachanapur VDC and Surkhet: Latikoili VDC, Jarbutta VDC and few wards of Birendranagar Municipality. Five varieties of rapeseed viz: M27, PT30, Gopotori, Pragati, Vikas and local were tested in five farmers' field in each district. Similarly, Vikas, PT30 and Pragati were compared in large plots and replicated five times in each site. Moreover, Vikas and Pragati varieties were planted to seed multiplication including Banke and Surkhet District. The harvesting and data recording from all the trials and post harvest qualities of three varieties viz. Vikas, Pragati and M27 have been selected for scaling up in the third year. A total of 532 kg seed of Vikas and Pragati has been collected for next year.
1.3	Multi-location Nutrient Trials at Farmers' fields and research stations	Five integrated nutrient management trials were carried out at the farmers' field of Surkhet and Banke districts. Crop harvesting, data recording and analysis were accomplished successfully. Trials results and lessons learnt were presented in review and planning workshop and consequently, a technical report was prepared.
1.4	Study on the Effect of honeybee as natural biological pollinator or rapeseed at farmers' fields	Study on the Effect of honeybee as natural biological pollinator on rapeseed at farmers' fields showed positive results on fertilization
1.5	Multi-location Integrated Pathological Trials at Farmers' fields and research stations	Multi location integrated pathological trials were planted at 5 farmers' field of Banke and Surkhet district each. Data recording, analysis and interpretation were accomplished successfully. The results and experiences collected during experimentation were disseminated through stakeholders'
1.6	Multi-location Integrated Entomological Trials at Farmers' fields and research stations	Completed the multi-location integrated entomological trials at farmers' field in Banke and Surkhet. The result showed that the Aphid was the most important insect of rapeseed in both districts, which adversely affect the crop. mainly in the pod filling stage.
2.1	ICM demonstrations in farmer's fields	As a result of various project activities including baseline survey and participatory research (varietal trials, nutritional trials, entomological trials, pathological trials, pollination trials etc), appropriate package of practices for rapeseed production has been developed in integrated crop management (ICM) package across the farmers' field of Banke and Surkhet. Adoption of ICM package has resulted in the increase in rapeseed production by up to 60%. Three varieties, such as Vikas, Pragati and Unnati (M 27) have been selected and recommendation for commercial cultivation. Recommendations for soils management, insect-pest and disease management, with optimum time of planting have been verified recommended and documented in technical reports.
2.2	Publication of extension materials and research reports	Effort is underway to publish the information materials in local language and will be distributed to the concerned stakeholders.

