

Project: Enhancing food security through scaling up of climate smart agricultural practices in Rice-Lentil system

Project area: Dang, Banke, Bardiya and Kailali districts

Project Period: May 2015 - April 2016

Target group: **Immediate target group:** 100 Farmer's Groups (FG), Seed Producer Groups (SPG)

Ultimate target group: Farmers of working area of the project

Partners: KISAN, District Agriculture Development Office, Nepal Agricultural Research Council (NARC), Global Agri-tech Pvt Ltd (GATE Nepal), Private seed companies, National Seed Company (NSC), SPG, agricultural cooperatives, VDCs, DDC, Agriculture Insurance Company, Regional Seed Laboratory, local agro vets and other related organizations

Project Goal: To enhance the capacity of farmers on access to seeds of drought and submergence tolerant rice and improved lentil varieties and strengthen the knowledge of climate smart agricultural practices.

Key activities and Implementation modalities

Project was implemented in close coordination with its partner organizations, SPGs and farmers of the project area.

The main activities included VDC level interaction and group formation, demonstration of climate resilient crops/technologies in rice and lentil - package demonstration in lentil, demonstration of integrated management of Stemphyllium blight of lentils, Informal research and development (IRD) Kit distribution, Community based seed production (CBSP) source seed support, Lentil value chain workshop and trainings.

Major Achievements

- 100 FGs involving 2,000 farmers formed
- Enhanced capacity of farmers on the climate smart agriculture technologies through 200 group level training and 160 demonstrations in rice and lentil
- 1000 rice farmers and 1212 lentil farmers received IRD kits
- Contributed in realizing higher seed yield from lentil through 80 package demonstrations
- Farmers received Community Based Seed Production source seed for 10 hectares each for rice and lentil
- Enhanced capacity of 39 seed production groups and cooperatives through training on seed production, management of Stemphyllium Blight disease in lentil and marketing of climate resilient crop varieties
- Know-how about Lentil value chain increased through workshops

Impact

FG's linkages with line agencies, millers/traders and other concerned agencies strengthened and farmer's access to seeds of drought and submergence tolerant rice and improved lentil varieties and knowledge of climate smart agricultural practices improved. More than 75 % farmers saved seeds for use in the next crop season and seed grower farmers succeeded selling seeds to different companies and organization.
