

The Pilot Project on Agricultural Problem-Solving by Implementing the Royal Initiatives Guidance in Ban Mi District, Lopburi Province

Project information

1. Project Type

Agricultural Development and Livelihood Promotion

2. Royal Initiatives

The Office of the Permanent Secretary of the Ministry of Agriculture and Cooperatives has initiated a project to address agricultural problems in the district of Ban Mi, Lopburi province as a way to expand learning related to the Royal Initiatives and Royal Projects for agricultural development in various areas. This project aims to provide knowledge and practical training to farmers who have been affected by flooding. Participants will learn both theoretical knowledge and practical skills, with an emphasis on integrating learning experiences from the local community. The project also aims to spark ideas that can be applied to further studies and sustaining livelihoods for long-term stability in society.

3. Objectives

The royal initiative is being utilized to address agricultural problems and improve the quality of life, in order to help farmers adapt and alleviate the impacts of flooding. This is to create stability in the agricultural sector and ensure food security for farmers. It also aims to raise awareness of the impacts of environmental changes, disasters, and adaptation measures to mitigate these impacts.

4. Alignment with Objectives

Farmers have adapted and received relief from the impact of flooding.



Project Monitoring (Year 2023)

1. Utilizing knowledge/ Inputs of production

Applied knowledge for practical use	88 %
Didn't applied knowledge for practical use	12 %
Utilize Inputs of production	100 %

2. Production efficiency (rice)

Rice Production	
Before	758 Kg./Rai
After	789 Kg./Rai
Increased	31 Kg./Rai (4.09% ↑)

3. Economics Aspects

- Agricultural income increased by 10,106 baht /household /year.
- Consumption expenses decreased by 2,926 baht per household per year.
- Agricultural expenses decreased by 721 baht per household per year.

Level of Success
86%

4. Social Aspects

- Improved quality of life by 74%
- Participation in group activities by 29%
- Involvement in project activities by 66%

5. Development for expanding outcomes

Consistently apply in practice 82 %

6. Satisfaction

Excellent 4.60/5

Project Progressions, Year 2023

1. Agency / Activities

- RD:** Preparing 2 demonstration plots on rice production costs reduction technology, and transfer knowledge on seed production to 30 farmers.
- DOF:** Setting up 14 carp-fish farming ponds as learning point, and promote aquaculture in accordance with the Royal Initiative Project to 30 farmers.
- DOLD:** Provide knowledge to 20 farmers on epidemic diseases that may occur during the flood, establish the 5,000 kg. Stockpile of animal feed during the flood period and promoted 100 egg-laying chickens production.
- DDOA:** Promote chili cultivation by establishing 4 demonstration plots and training 30 participants in chili cultivation and pesticide-free pepper production technology.
- DLL:** Promote and support bio-extract and Microbial Activator LDD for Compost Production to Soil Improvement, with 30 participants, demonstrating the production of bio-extract, composting, and vermicompost fertilizer production. Additionally and collect soil samples from two demonstration plots before rice planting.
- CAD:** Teaching 2 groups of community enterprise accounting, 2 entities of farm accounting and 54 entities on sustainable economic seedling accounting.
- DOAE:** Promote Floating Vegetable Cultivation, safe vegetable production, and develop a prototype of a solar-powered water pumping system for 30 participants. Promote vertical vegetable gardening and safe vegetable production for 20 students. Training on Producing crops according to the principles of a sufficiency economy for 10 participants. Training on insect farming (cricket) for 10 participants.
- CPD:** Enhancing knowledge of group management for farmers and 40 students.
- QSDA:** Transfer knowledge on mulberry cultivation, support mulberry trees, silkworm breeding, and promote the demonstration of processing products from mulberry to 40 participants.
- OPSMOAC:** Transferring knowledge on food processing (TEMPE) to 15 participants, and supporting agricultural production factors for 5 farmers to have sufficient foods (3 times a day).
- OAE:** Collect data on the production costs of 2 rice technology demonstration plots, gather operating results, and prepare summary report MOAC board twice a year.

2. Budget

MOAC : 556,085 Baht

3. Benefit Utilizes

People in Phu Ca District and Nhong Muang District

4. Problems

Farmers have less tendency to get together in groups.

5. Solutions

Educate farmers to realize and get the benefits of being together as a group.

7. Findings and recommendations

- Promoting farmer groups through cooperation among related agencies. (DOA, DOLD, DOF, DOAE)
- In order to promote further development and expansion, the related agencies should select the target groups that are interested and ready in both the aspects of the farmer and the agricultural area.
- RD should consider a suitable area for setting up demonstration plots.
- DOA should provide consultation closely with farmers in the demonstration plots.
- DOF should provide more guidance on frogs and cat fish farming to teachers and students.
- DOLD should provide more knowledge on egg production to reduce the cost of egg production for teachers and students.