

# Pang Dang Nai Highland Development Project Using Royal Project System



## Background

In 2006, during a special event on the 60th Anniversary Celebrations of King Bhumibol Adulyadej's Accession to the throne, the Royal Project Foundation (RPF) and Petroleum Authority of Thailand (PTT) agreed to establish a participatory project on the practice of vetiver grass cultivation to improve soil fertility. HRDI has discussed with the community and the Mae Ping Watershed Management Project which is a private organization responsible for carrying out the vetiver plantation project in cooperation with PTT. At Pang Dang Nai Village was facing poverty and low yields in agricultural production, the village was selected as a target area of the project. In addition, technology of RPF has been transferred to and adopted in this area for the benefit of rural highland communities.

## Geography

The area is mountainous at 532 meters above sea level

## Climate

The average temperature is 26.3 C° (79.34 F°). The highest temperature is 33.4 C° (92.12 F°) and the lowest temperature is 19.2 C° (66.56 F°).

## Population

There are 5 tribes: Dara-ang, Lahu, Pakakyaw (Karen), Akha and Lisu, totaling 1,885 people in 5 villages.

## Career

Most of the people are farmers.

## Problems and development guidelines

To develop the Pang Dang Nai villagers and the area, HRDI assists them in several dimensions. First, career development. Pang Dang Nai Highland Development Project Using Royal Project System has promoted various occupations for farmers, such as growing fruit trees with market demand, and encouraging farmers to grow grapes and flowers because they require small agricultural land and water, but generate high return. In addition, the project encourages off-farm occupations, including tourism and local handicrafts. Second, community development. The Project has been using a community plan to analyzing various problems of the community. The main problems are water shortage in household consumption and agricultural activities. In addition, there is a survey on individual land in order to use the information as a database to support agricultural promotion, development activities, natural resources and environmental conservation. The database will benefit further collaboration between HRDI and local authorities in the future. Last, the environment. The Project aims to encourage farmers to grow maize intercropping with legumes to improve soil fertility. Also, the agricultural land and the forest areas are zoned due to nature and watershed forest conservation.



## Main produces of the center

Field crops: rice and corn

Vegetables: lablab bean, red bean, and black bean

Forest products: bamboo

Fruit trees: passion fruit, mango, longan, and grape



## Location

Moo 9, Chiang Dao Sub-district, Chiang Dao District, Chiang Mai 50170