

# Fruit production in the Lao PDR

by

***Dr. Phanpradith PHANDALA***

***Deputy Director of Agronomy  
Management Division***



# Situation of Horticultural Crop Production

## Fruit Trees:

- ❖ Fruit trees in Lao PDR are cultivated in small scale all over the country.
- ❖ The main fruits tree cultivated in Lao PDR : banana, mango, citrus, pineapple, longan, rambutan, tamarind, Sapodilla, Jackfruit, custard apple and durian. The total area of year 2013 is **37.596 ha, production about 690.090 tones.**
- ❖ The orchard industry is in less development. The fruits yield and quality are still low due to the lack of quality planting materials, cultivation techniques and poor skills in postharvest management.
- ❖ Generally, The Lao people mostly plant fruit trees such as coconut, mango jack fruit in their home gardens for self-consumption and selling.

# Part of Growing Fruit Tree in Lao PDR

- Northern part:  
Orange , Lychee strawberry , Mandarin , Pear
- Meddle Part:  
Mango , Longan , Tamarind , Sapodilla  
Jujube , Custard apple , Papaya, bananas
- Southern Part:  
Durian , Rambutan , Banana, sugar apple,  
bananas

# weakness and challenging

- **Fruit trees plantation not yet much development**

( Limited of knowledge about required technologies, Off-season production ,farm managing in upland unstill be low quality )

- **Land suitable for fruit trees change be come to be building and rubber trees area**
- **The fruit trees productive process in Laos until made small farms and not be incentive .**
- **Not much supported from private sectors especially in the north of Laos**
- **The most agriculture area are mountains.**

- Most farmers use local mango seed not uniformed, high variation and poor performance.
- The problem of supply of fruits are due to poor management of off-season production and insect pest damage in farmers' field.

# Fruit Activities HRC (NAFRI)

- ❖ **Germplasm Collection**
- ❖ **Adaptability Test**
- ❖ **Selection of Excellent Mother Plant**
- ❖ **Propagation Techniques**
- ❖ **Off-season Production**
- ❖ **Seedling Production**



# Germplasm collection at HRC

<b>Mango</b>	<b>13</b>	<b>Var.</b>
<b>Banana</b>	<b>10</b>	<b>Var.</b>
<b>Pummelo</b>	<b>2</b>	<b>Var.</b>
<b>Dragon fruit</b>	<b>2</b>	<b>Var.</b>
<b>Tamarine</b>	<b>4</b>	<b>Var.</b>
<b>Guava</b>	<b>2</b>	<b>Var.</b>
<b>Jackfruit</b>	<b>4</b>	<b>Var.</b>
<b>Custard</b>	<b>2</b>	<b>Var.</b>
<b>Longgan</b>	<b>3</b>	<b>Var.</b>
<b>Lichee</b>	<b>3</b>	<b>Var.</b>
<b>Jujube</b>	<b>5</b>	<b>Var.</b>
<b>Lemon</b>	<b>3</b>	<b>Var</b>





## Diversity for fruits:

Many kinds of fruits are grown in Laos.

Mango, Banana, pineapple, Jack fruit, durian, (Egg yoke) butter fruit, water melons, guava, tamarind, lemon, pomello, longan, sapota, star fruit



# Mangos



There are many mango varieties in Laos such as Muangpar, Kasor, Kasen, Muangnang, Muangkeo, Oklong, Ngaxang, Muangkhai, etc... However, growers are interested in going for new varieties, especially exotic varieties which have good market demands such as Khiaosawoei, Namdokmai, Nangseam, Falan, Ckoko Anan, Maha Chank, Nangkhanvanh, Thongdam, Salaya, Chokhounthip, Norred, etc...

# Bananas



Kouy namva, kouy nok, kouy hom (center), koy lepmua nang(finger lady), kouy mousy, kouy kay(egg), kouy type, kouy kenh, kouy chia(bat), kouy typ,, kouy typchanh, kouy ngao(), kouy thany(), kouy sompiang, kouy khang,



Diversity for banana  
Enormous variation  
for bunch, fruit size'  
shape and pulp  
texture



*Mangifera*, skin shining yellow, pulp soft and juicy, yellow, stone large, fibrous



Fruits of  
*Mangifera*  
*carsius*,  
sour *M.*  
*odorata*,  
sweet

# Recommendation

- Strengthening on Capacity building on human resource development on fruit tree as well as figure and quality
- Enhancing to set up demonstration plots for tropical and subtropical fruit
- Accelerate to clear on land suitability on fruit tree
- Cooperation with others ASEAN member countries.

Thank you for your attention