

SITUATION ON PRODUCTION, BREEDING AND PVP OF RAMBUTAN AND STAR FRUIT IN THAILAND



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Common name : Rambutan

Thai name : Ngow นงอ

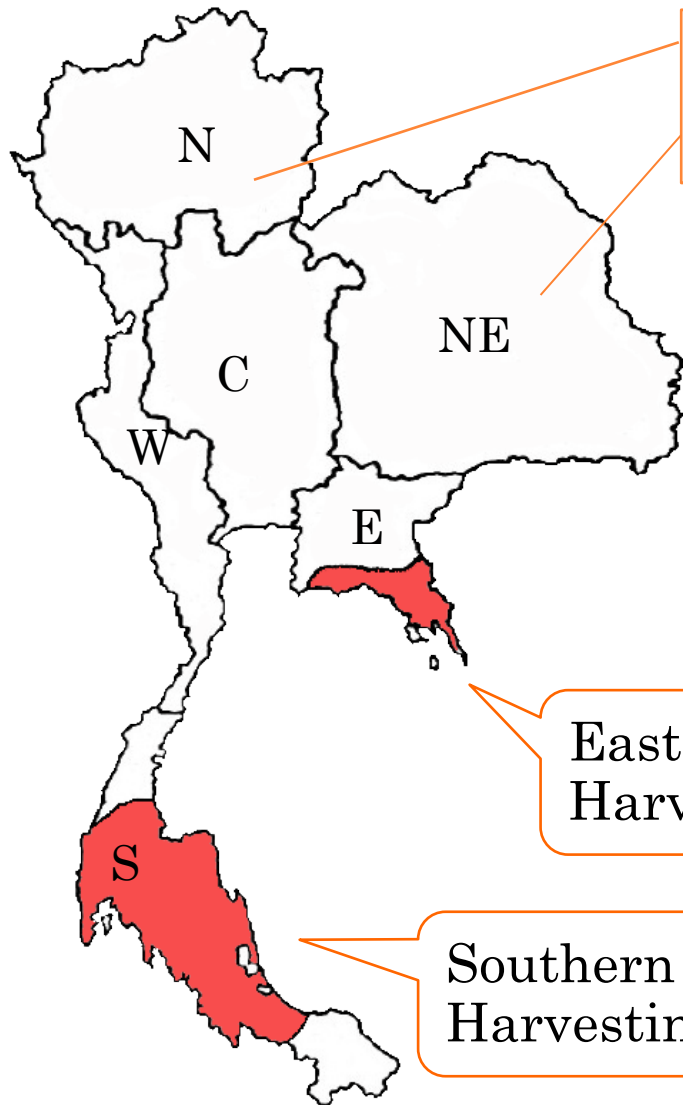
Botanical name : *Nephelium lappaceum* L.

Family name : Sapinadaceae

Origin : Indonesia Malaysia



Production of Rambutan in Thailand



Northern and northeastern regions (6.93% of total production) – new growing areas



'Rong Rian'



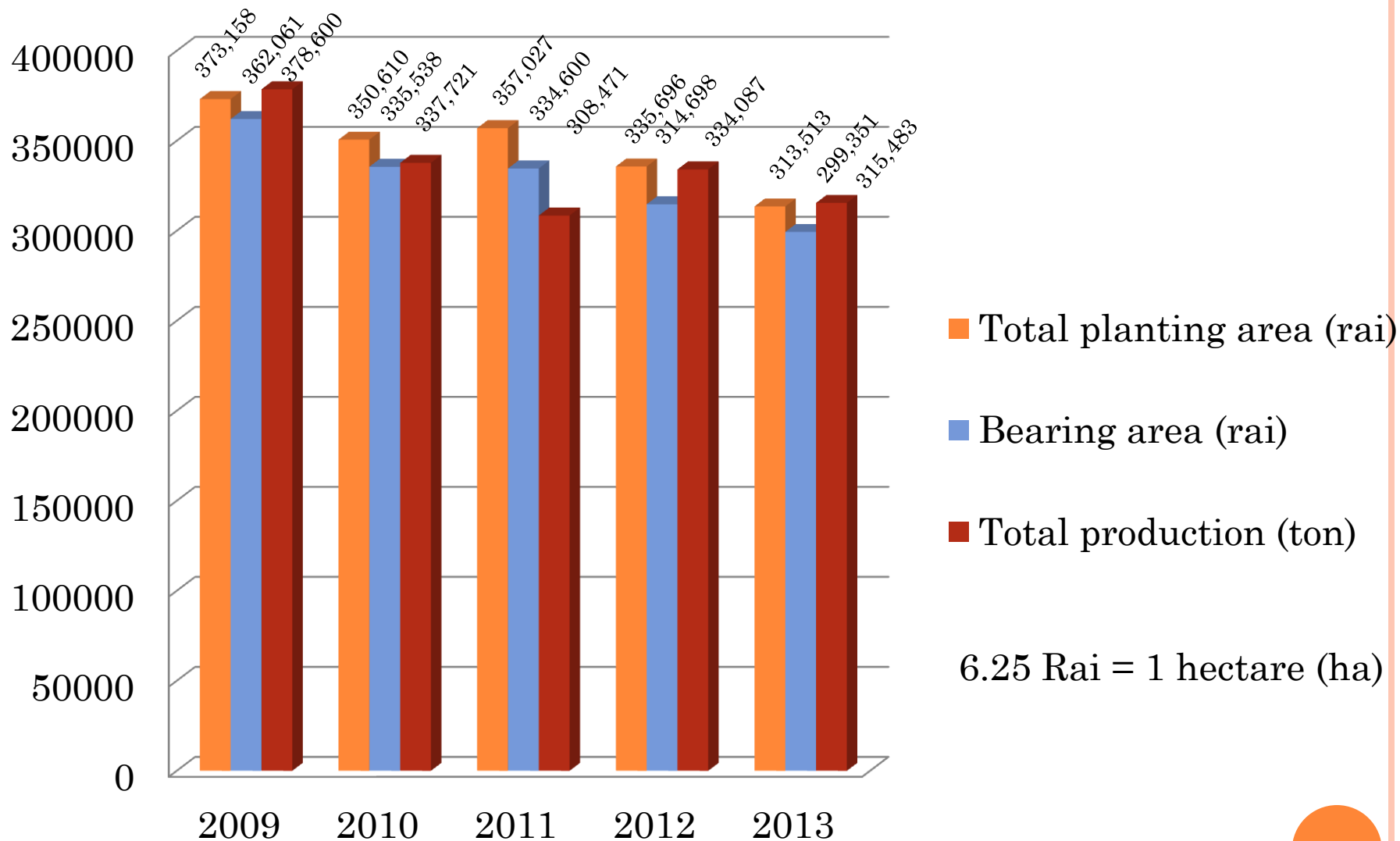
'Sri Chomphoo'

Eastern region (74.51% of total production)
Harvesting season in late Apr-Jul

Southern region (18.56% of total production)
Harvesting season in late Jul-Sep

Source : Office of Agricultural Economics, 2013

Total planting area and yield of Rambutan (2009-2013)



Source : Office of Agricultural Economics, 2013

The Best Commercial Variety : 'Rong Rian'



- **Fruit:** color of the surface – red
- **Spinterns:** color of the apex – green
- **Spinterns:** color of the base – red
- **Pulp:** texture – firm crispy
- **Pulp:** thickness – thick
- **Fruit:** ease of separating the pulp from the seed - high



'Sri Chom phoo'



- **Fruit:** color of the surface – reddish yellow
- **Spinterns:** color of the apex – light green
- **Spinterns:** color of the base – pinkish red
- **Pulp:** texture – firm crispy
- **Pulp:** thickness – thick
- **Fruit:** ease of separating the pulp from the seed - high



Breeding and Collection Program of Rambutan in Thailand

- ❖ Carried out by Horticultural Research Institute, Department of Agriculture
- ❖ Breeding program started in 1979 resulting 8 hybrids : 3 distinguished varieties ; Prew no.1, Prew no. 2 and Prew no.3 or Chanthaburi (recommended variety by DOA)
- ❖ Three Collection Fields located in Chantaburi Province (The East) Suratthani Province and Trung Province (The South)
- ❖ 82 variety names found in Thailand



Distinguished Varieties of Rambutan by DOA

‘Prew no. 1’



X



Distinguished Varieties of Rambutan by DOA

'Prew no. 2'



X



Recommended Variety of Rambutan by DOA in 1997

'Prew no. 3' or 'Chanthaburi 1'



X



PVP Situation of Rambutan in Thailand

- ❖ **Rambutan eligible for PVP in Thailand**
- ❖ **National Test Guideline of Rambutan established**
- ❖ **No application for the Protection**





Common name: Carambola, Starfruit, Five-finger

Botanical name: *Averrhoa carambola*

Family name: Oxalidaceae

Origin: Southeast Asia



Collection Program of Star Fruit in Thailand

- ❖ **No breeding program**
- ❖ **Germplasm collecting program started in 1993**
- ❖ **Field collection carried out by Phetburi Agricultural Research and Development Centre, Department of Agriculture**
- ❖ **Planting 24 varieties of Star Fruit collected from various areas, and named each variety related to its location name**



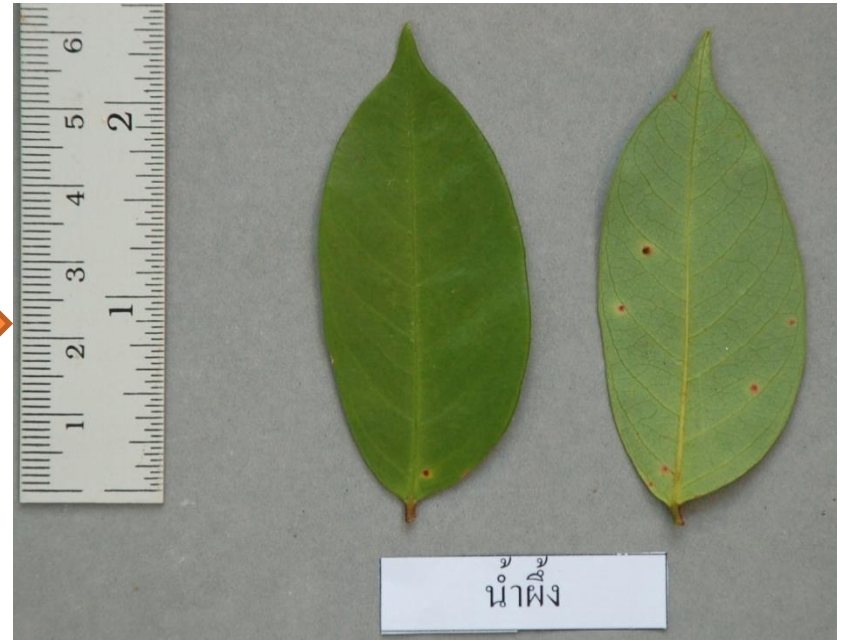
Field collection at Phetburi Agricultural Research and Development Centre, Department of Agriculture



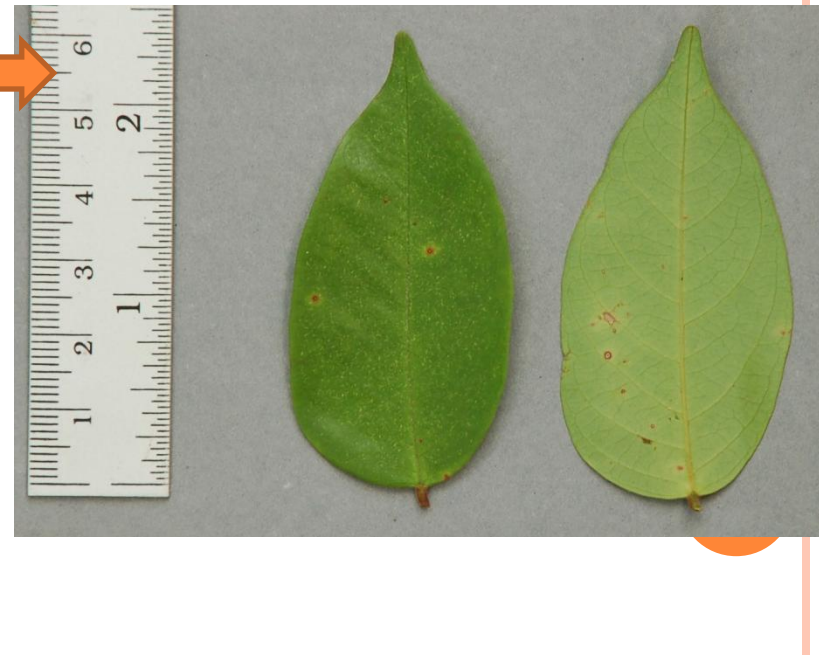
Established in 1993 collecting 24 varieties of Star fruit



Distinguished Commercial Varieties of Star Fruit



Distinguished Commercial Varieties of Star Fruit



PVP Situation of Star Fruit in Thailand

- ❖ **Star Fruit eligible for PVP in Thailand**
- ❖ **National Test Guideline of Star Fruit established**
- ❖ **No application for the Protection**



**Thank you very much
for your kind attention.**



Bang Yi Khun

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