

An aerial photograph of a teak plantation. The trees are planted in dense, curved rows that follow the contours of the land. The color is a vibrant green. In the lower right quadrant, there is a small, simple wooden structure, possibly a guardhouse or a small hut. The overall scene is a well-maintained commercial forest.

COMMERCIAL TEAK  
PLANTATIONS  
USING INTENSIVE  
SILVICULTURAL  
PRACTICES.

# The Important Silvicultural Practices for Commercial Teak Plantation

- Land Clearing
- Hole Digging
- Seedling Preparation
- Planting
- Weeding
- Fertilizing
- Coppicing
- Pruning
- Thinning
- Fire Protection

# Land Clearing



Land clearing finished



# Preparing the land on a slope



# Hole digging

Around 1 meter depth







## Mixed fertilizer



Mixed fertilizer  
and Filled down  
completely



# Seedling Preparation



# Seedling in Nursery



# Select good seedlings to plant





# Seedling Transportation



# Planting

# Soil in polybag unbroken





# Planted finely



2 months



3 months



1 year(Biggest)



1 year(Average)



2 YEARS



3 years



4 YEARS





**5 YEARS**

**10 YEARS**



# Weeding



# Circle weeding





# Strip weeding



All area weeding



# Weeding by machine



AFTER 5 YEARS



# Fertilizing



# Put chemical fertilizer

1<sup>st</sup> time at the first year



2<sup>nd</sup> time at the first year





Put fertilizer at the second year

Put fertilizer at the third year



# Put organic fertilizer





# Coppicing





Cut  
the bad  
shape  
trees  
to be  
the good  
shape  
trees





# 12-year-old from coppicing



# Pruning





**Before**



**After**

Pruned at the 2<sup>nd</sup> year



Pruned at 3<sup>rd</sup> year











I am Sorry !!!!!

# Thinning



Before



After



Before



After



# Fire protection

Villager teak plantation(unprotected fire)



B-farm company teak plantation (Phetchabun)  
(well protected fire)



# Good fire protection(every year no fire)



Leaf decompose to be humus





# Agro-forestry



# Teak+corn at 1<sup>st</sup> year



# Teak+corn at 2<sup>nd</sup> and 3<sup>rd</sup> year



# Upland rice at 1<sup>st</sup> year



Teak+pumkin at 4<sup>th</sup> year





# Teak+pineapple at 4<sup>th</sup> year



# Cover crop





## Sun hemp at year 1 ( Sritrang's teak plantation, Phetchabun)



Sun hemp at year 2



Sun hemp at year 4



Three and a quarter year old teak plantation at Pua, Nan (Sritrang's teak plantation)







# The millionaire plant teak

(at Sakon Nakhon)



## More than 1 meter depth



# Mixed manure+dolomite+rockphosphate





# Teak+pararubber 5 months old



# Teak+pararubber 9 months old



# Key success factors for teak plantation

**1. Teak plantation knowledge**

**2. Intensive management**

**3. Need to continuing maintenance annually**

# Thanks for kind attention

