

Rice crop managements

Identify water saving technologies for rice paddies

NOMAFSI-IRRI-IFAD



Rice crop managements

FERTILIZER EXPERIMENTS

Best fertilizer dose:

8 FYM tons, 80 N,

90P2O5, 60 K2O



Rice crop managements

PLANTING DENSITY EXPERIMENTS

Best rice density:
33-35 hills/m²



IMPROVED CROPPING SYSTEMS

1. Spring legume+ summer rice season,
2. Drought spring rice+ summer rice season,
3. Spring vegetable season + summer rice season,
4. Spring vegetable season + short duration of summer rice + Winter vegetable.



SUSTAINABLE SLOPING LANDS CULTIVATION



SOIL MULCHING (Maize)



2003 8 9



SOIL MULCHING (Rice)

BENEFITS FROM SOIL MULCHING



- Fully weed control

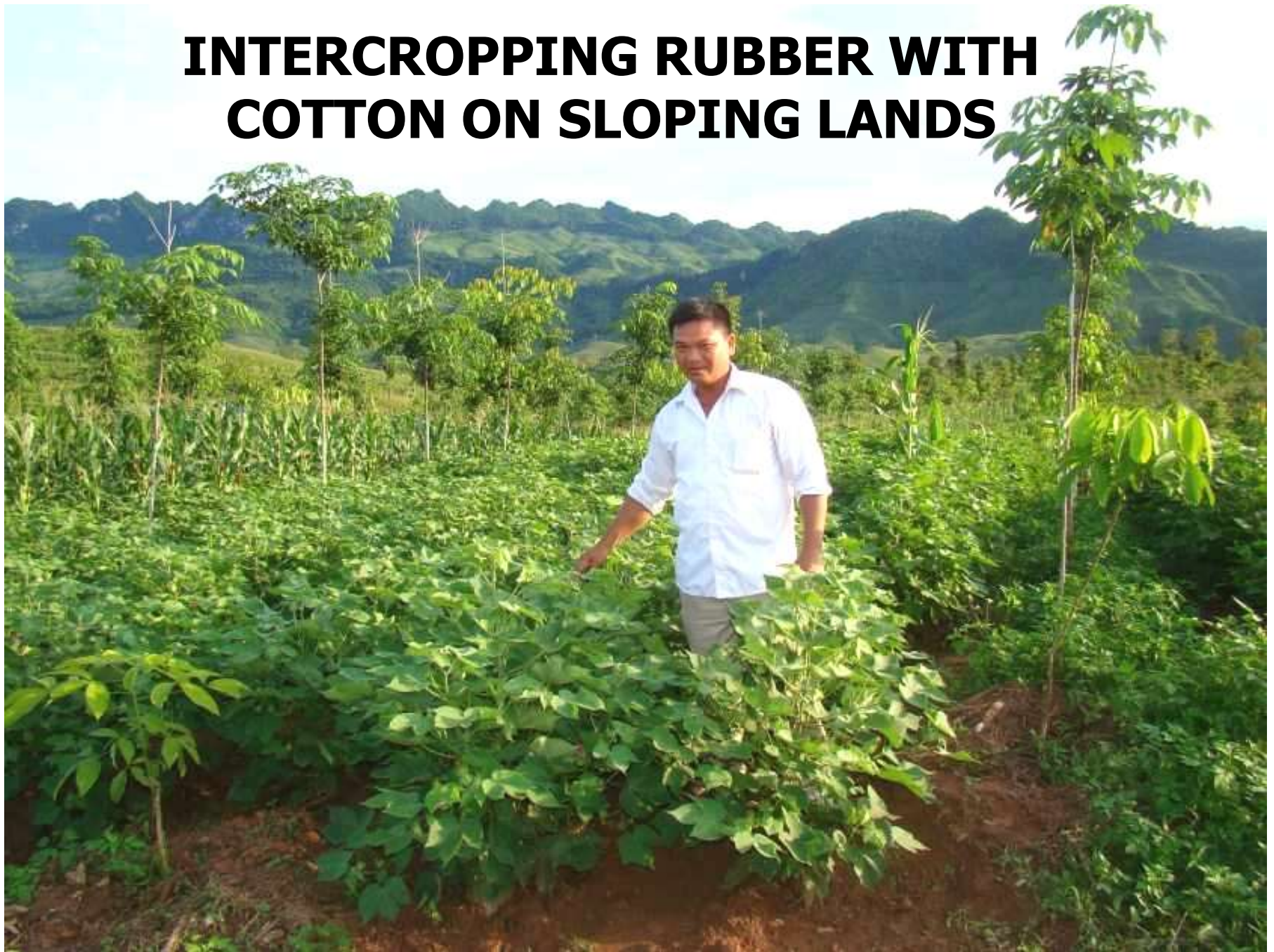
- Reduce soil erosion to 90%
- Maintain soil moisture
- Strengthen soil biology activity
- increase crop yield to 40%



INTERCROPPING MAIZE WITH LEGUME CROPS FOR INCOME GENERATION AND SOIL CONSERVATION



INTERCROPPING RUBBER WITH COTTON ON SLOPING LANDS



MAKING MINI-TERRACES AND SOIL MULCHING



MAIN ACHIEVEMENTS

Increase in forest coverage

Increase in food production

Diversification of cash crops

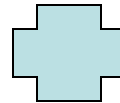
There are: *Influence of food production
on improvement of forest cover*

Degradation of forest resources in the past

Several decades past



Too fast population
increase



Unappropriate policies
and directions

Degradation and impoverishment of forest resources

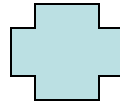
- In 1943 forest area was 14,325,000 ha (occupying 43,70% of the total territory of VN).
- In 1990 forest area reduced to 9,175,000 ha (occupying only 28% of total territory of VN).

Since more than 15 years to now



Right policies, orientations
and external support

The diagram consists of two ovals, one cyan and one yellow, connected by a plus sign. A curved arrow points from the cyan oval to a text box below. The text box has a cyan background and contains text about forest recovery.



Efforts of Ethnic communities
living with forest resources

Forest resources have been being recovered

In 2009, the forest coverage reached 47% IN NMR