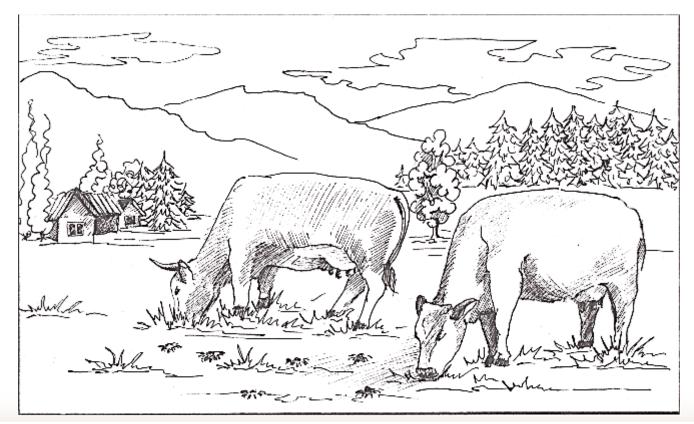


Implemented by



Forest and Pasture Management

Place, Date

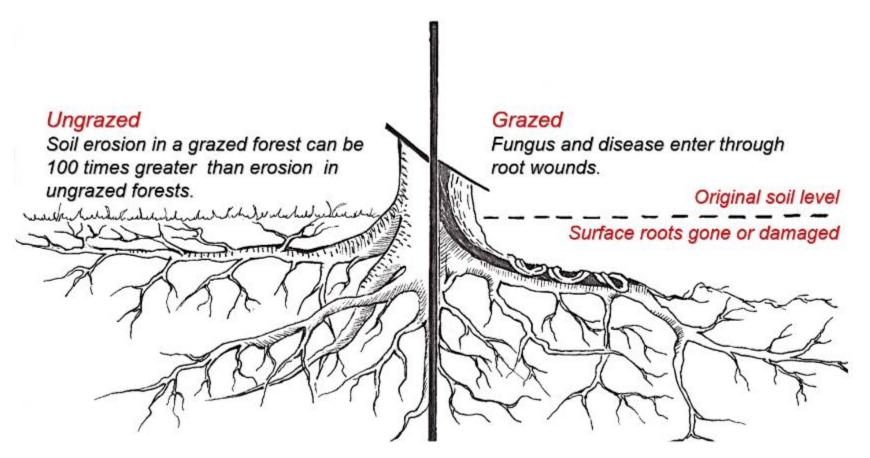






Implemented by

Impacts of grazing on forest plots





When can livestock graze on forest plots

- Between full grown trees
- In a separately fenced area
- If legal land use rights for grazing is given

- Young forest
- Unprotected tree seedlings
- If forest plot is prone to soil erosion
- If land use rights for grazing are not given

If grazing on the forest plot harms the trees, fodder production could be a beneficial alternative



Implemented by



Protection of forests or individual trees

- Types of fences
 - Single tree fencing
 - Living fences
 - Full area fencing





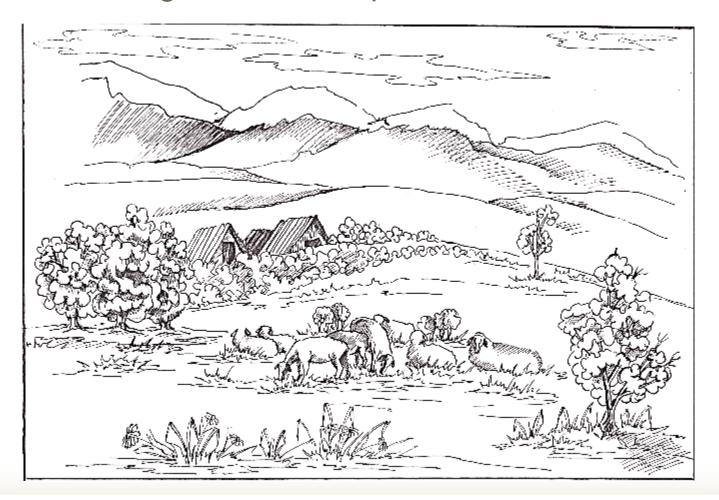
Fodder production

Local varieties of fodder crops:

- Trifolium pretense (клевер красный)
- Medicago minima (люцерна округлая)
- Vicia sativa (вика)
- Medicago sativa (люцерна)
- Carex pachystylis (осока)



Pasture management techniques





Causes of reduced pasture productivity

- Too much livestock
- Lack pf pasture rotation system
- Soil erosion on pastures
- Reduced or low soil fertility
- Increase in non edible plants
- Lack of good quality pasture seeds or absence of seed backs

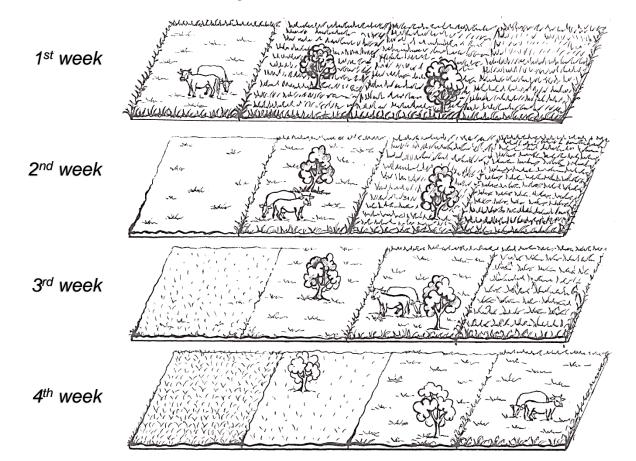


Ways of pasture improvement

- Implementation of new methods of pasture use
 - Pasture rotation system
- Increase of pasture productivity:
 - Sowing of herbs and grass on degraded pastures
 - Cleansing of pastures from stones and non-edible plants
 - Terracing
 - Irrigation of highland pastures and provision of foothill pastures with drinking water



Pasture rotation system





How to implement a pasture rotation plan

- 1. Individual users or communities should know:
 - who are the users of the pasture
 - how many cattle at what time and in what place is grazed
- 2. All users of pastures should agree on the number of livestock grazed on a specific pasture
- 3. All users of the pastures need to agree on a rotation plan
 - The implementation of the sequence of pasture use can be simulated by creating water points or a corral (enclosure).



How to implement a pasture rotation plan

Most importantly:

- Cattle should not be grazed in pastures in early spring when the germination stage has not yet passed
- In order to preserve biomass, the livestock should not be grazed intensively on any pasture
- Every 4-5 years the pasture should not be used during one season for rest







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