

# Prospects for agroforestry in the tropics

## World Bank - Agroforestry

HUMID TROPICS	SUBHUMID TROPICS	SEMI-ARID TROPICS	ARID ZONE BW
Rain forest zone	Savanna zone	Semi-arid zone	MEDITERRANEAN C, BSh
Forest	Broadleaf trees tall grassland	Thorn trees short grassland	TEMPERATE CLIMATES Ck, Cg, D
Köppen Af, Am	Aw	BSh	
Ann. rainfall: c.500 mm	c.600 mm	c.250 mm	
Growing period: 270 days	120 days	75 days	

Description: -

- Agroforestry -- Africa.

- Agroforestry -- Tropics.prospects for agroforestry in the tropics

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### Agroforestry

Forest Gardening by Robert Hart describes the design of temperate multistory garden plantings which incorporate fruit and nut trees. A major problem with many tree species is the difficulty of establishing them and their slow initial growth.

### Agroforestry Systems in the Tropics

For farmers, the ability to maintain some sort of control over land and production in the face of climate change means agroforestry could hold huge promise for the agricultural sector. Although the shelterbelt reduced soil erosion, yields of sorghum and cotton, the principal crops in the region, decreased, particularly in a 30m-wide strip on either side of the tree rows. Major research and policy priorities include: identifying and modeling the ecological and economic conditions where natural regeneration is a viable and favorable land-use option, developing monitoring protocols for natural regeneration that can be carried out by local communities, and developing enabling incentives, governance structures, and regulatory conditions that promote the stewardship of naturally regenerating forests.

### Agroforestry

This layered structure is never static; the pool of replacement species results in a productive structure which is always dynamic while the overall structure and function of the system are maintained. Widespread introduction and promotion of agroforestry can go a long way towards sustainable resource management and ecological and economic rehabilitation of Africa. The best option coconut farmers have to improve their livelihood is to diversify their farms.

### Potential of agroforestry for carbon sequestration and mitigation of greenhouse gas emissions from soils in the tropics

Key Resource 1989-01-02 This book is a review of the potential of agroforestry for soil conservation, treated in its wider sense to include both control of erosion and maintenance of fertility. In the case of better-off farmers, opportunities for producer-oriented and remunerative marketing becomes essential to stimulate and sustain their interest in agroforestry. I have repeatedly stressed the need for enlarging this concept to cover all aspects of balanced nutrition as well as clean drinking water so that all human beings have an opportunity for the full expression of their innate genetic potential for physical and mental development Swaminathan, 1986.



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