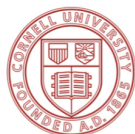


Handout 7.3.5: Landscape CSA Practices

Subsector	Subcategory	Climate-smart practices and technologies
Crop subsector practices & technologies	• Rain water harvesting and storage	→ Rain water harvesting and storage structures; Chololo pits ¹
	• Irrigation	→ Drip/trickle irrigation; System of rice intensification; Irrigation canal lining
	• Soil and water conservation	→ Ridging, Tie-ridging; Water Retaining/Harvesting Pits
	• Terraces	→ Fanya juu ² , Fanya chini ³ terraces, Bench terraces, Stone terraces
	• Agroforestry	→ Tree in crop land; Rotational woodlot; Improved fallow; Fodder bank; Tree planting / afforestation
	• Conservation agriculture	→ Cover cropping; Mulching; Crop rotation; Intercropping; Minimum / zero tillage; Crop residue management
	• Soil fertility management	→ Manuring (farm yard and compost manure); Efficient use of fertilizer (micro dosing); Integrated soil fertility management;
	• Crop management	→ Adapted crops and crop varieties (improved seeds, high yielding, fast maturing, drought tolerant, salinity tolerant, flood tolerant); Integrated pest and diseases management; Timely/ early planting
	• Crop Insurance	→ Introduction of Safety Net Programmes
Livestock subsector practices & technologies	• Improved livestock breeds	
	• Adapted livestock	
	• Improved feeding	→ Traditional in-situ fodder conservation system; Ngitili ⁴ ; Olelii ⁵ ; Alternative source of water for livestock; zero-grazing; Pasture management
	• Manure management	
	• On-farm biogas production	→ On farm biogas production
Fishing & aquaculture enterprises	• Pond aquaculture/fish ponds	
	• Mariculture	
	• Integrated aquaculture and cage culture	→ Integrated culture; cage culture
	• Sustainable fishing	→ Seaweed farming
Other practices & technologies	• Bee-keeping	
	• Climate Information Services	
	• Improved Cooking Stoves	
	• Improved Post-Harvest	



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