

### Agroforestry

Sl.No	Problem Identified	Specific farming situation for which technology is developed	Crop/ Animals etc	Breed/Variety	Specific Technology	Yield
1	To identify suitable Tree-crop combination	Sub-tropical and temperate zones of Sikkim	Tree + horticultural crops	<i>Alnus nepalensis</i> and <i>Leuceania leucocephala</i> + Large cardamom	<i>Alnus nepalensis</i> and <i>Leuceania leucocephala</i> + Large cardamom are found suitable for mid hills of Sikkim	Nil
2	To identify Silvipastoral system on wastelands	Sub-tropical and temperate zones of Sikkim	Tree + fodder grasses	<i>Ficus hookeri</i> & <i>Ficus cunnia</i> & <i>Thysanola enaagrotis</i>	To utilize wastelands for extending forage availability during winter	None
3	Low productivity of existing agroforestry system	Sub-tropical and temperate zones of Sikkim	Fruit trees + Agricultural crops and grasses	Sikkim Mandarin + Agricultural crops & Broom grass Napier-NB21 and Guinea	Agri-Horti-Pastoral system are found suitable for mid hills	None