

Sustainable (Annual) Economic Benefits to the Small Groups Participating in TIST

TIST Benefits	Description and Measures	Income or Savings	Time frame	Annual Benefit to Group
Conservation farming techniques	Increased crop yield: 50 bags/group @ \$9+	Both	Short	\$450
TIST incentive payments	Direct payment: 2000 trees average @ \$20/1,000 trees	Income	Short	\$40
Solar or clay oven (reduced charcoal demand)	Reduced charcoal demand: 33% savings off \$36/year per participant average charcoal expense	Savings	Short	\$120
Small Group bank accounts	Increased savings (3% interest) and community investment (1% value) on \$25/group	Income	Short	\$1
Water harvest and micro-irrigation	Dry season vegetables: 25% increase in yield	Income	Short	\$100
Bee habitats	Honey produced: eight litres per hive per year at \$2 per litre, two hives per group	Income	Short	\$32
Fruit and nuts	Product from 2% of trees are fruit/nut, each tree yields \$10 annual sale (banana, papaya, \$5; mango, \$25)	Both	Medium	\$400
Wood for crafts	Wood sold for woodcrafts; 1% of trees mass after 10 years	Income	Medium	\$200
Charcoal/firewood for sale	Bags of charcoal for sale: 1% tree mass converted to charcoal after 3-5 years, 3 bags @ \$3	Income	Medium	\$9
Agroforestry benefits	Increased crop yield from nitrogen fixation, shade, windbreaks, reduced erosion, soil quality, water tables: after 4 years, 40 bags/group @ \$9+	Both	Medium	\$360
Timber	1% trees into timber after 10 years, yielding eight pieces/tree @ \$1.50/piece	Income	Medium	\$240

Assumptions: Average Small Group: 10 members, 2000 trees on 4 acres, apply conservation farming to one acre per member. Farms: 3-5 acres. Traditional farming = 2-5 bags of crop/acre, worth \$9/bag. Sources: Observed results 2003-04.