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

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

**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.