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Alley Cropping
Benefits
3-Point Alley Cropping Incentive Package

1. A specific, one-off, alley cropping grant
2. A forward contract for nut purchase
3. An equity release system to liquify the timber value before harvest.
<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Create new woodland</th>
<th>Create new woodland to improve water quality or reduce flood risk</th>
<th>Restock after a tree health issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum agreement size</td>
<td>3ha</td>
<td>1ha</td>
<td>0.25ha</td>
</tr>
<tr>
<td>Minimum block size</td>
<td>0.5ha</td>
<td>0.1ha</td>
<td>0.1ha</td>
</tr>
<tr>
<td>Minimum width</td>
<td>20m</td>
<td>10m</td>
<td>20m</td>
</tr>
<tr>
<td>Minimum stocking density</td>
<td>400 stems per ha (sph)</td>
<td>1,600sph</td>
<td>400sph</td>
</tr>
<tr>
<td>Maximum internal open space</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>Maximum individual glade area (after canopy closure)</td>
<td>0.5ha</td>
<td>0.5ha</td>
<td>0.5ha</td>
</tr>
<tr>
<td>Maximum linear open space width (after canopy closure)</td>
<td>20m</td>
<td>20m</td>
<td>20m</td>
</tr>
</tbody>
</table>
Forward Contract
Equity Release System
Alley Cropping Grant Proposal

Ecosystem Services Approach – “public money for public good”

35 tonnes of carbon sequestered per hectare per year (Palma et al, 2007)

Social Cost of Carbon 2019 – central scenario = £13.15 per tonne
35 X 13.15 = £460.25
Social Cost of Carbon 2020 – central scenario = £13.84 per tonne
35 X 13.84 = £484.40
Social Cost of Carbon 2021 – central scenario = £20.54
35 X 20.54 = £718.90

Total = £1663.55 total

References:
Updated Short-Term Traded Carbon Values Used for UK public policy appraisal – accessed 09.07.19
Results from Phase 1 – Jan 19

- All 30 proposals approach the topic at a landscape scale, intending to link land owners in a approach.

- Use of a reverse auction method trialled by Wessex Water for reductions in Nitrogen run off.

http://green.brightblue.org.uk/blog/2017/12/8/paying-for-itself-using-reverse-auctions-for-environmental-improvement