Forestry: An important ally for farm sustainability

Carbon Sequestration

Indicative Sequestration Rates: (tCO$_2$/ha/yr)

<table>
<thead>
<tr>
<th>Type of Tree</th>
<th>Sequestration Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast Growing Broadleaves</td>
<td>3.5 - 6.0*</td>
</tr>
<tr>
<td>Slower Growing Broadleaves</td>
<td>2.5 - 3.0*</td>
</tr>
<tr>
<td>Mainly Conifer</td>
<td>4.5 - 10.0*</td>
</tr>
</tbody>
</table>

Excellent Revenue Streams

- Establishment grant
- Annual premium
- Eligible for BPS
- Timber sales
- Other forest enterprises

Take Home messages

- Forestry is a sustainable option for marginal land
- Forests provide economic, environmental and societal benefits
- Highly tax and labour efficient – an excellent ‘Pension Pot’
- DAFM Afforestation Grant and Annual Premium
  - €510 - €685/ha for 15 years
  - Land still eligible for BPS

Woodlands for Water

New native woodland to both protect and enhance water quality

D
C
B

A Watercourse
B Biodiversity zone
C Riparian Woodland
D Pasture Grazing

Riparian Woodland
Pasture Grazing
Biodiversity zone
Watercourse

Riparian
Woodland
Pasture Grazing
Biodiversity zone
Watercourse

Indicative Sequestration Rates:

- CO$_2$:
  - 3.5 - 6.0*
  - 2.5 - 3.0*
  - 4.5 - 10.0*
- O$_2$:
  - 3.5 - 6.0*
  - 2.5 - 3.0*
  - 4.5 - 10.0*