The REFERTIL project is co-founded by the European Union, Seventh Framework Programme under Grant Agreement number 289785. 2011-2015.

REFERTIL BIOCHAR POLICY SUPPORT

(Proposed mandatory parameters for biochar (mg/kg))

<table>
<thead>
<tr>
<th>Biochar parameters</th>
<th>ORGANIC P FERTILISER</th>
<th>SOIL IMPROVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>As</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Cd</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Cr</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Cu</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Pb</td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td>Hg</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ni</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Zn</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>PAH₆₆</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>PCB₇</td>
<td>0.2</td>
<td>0.2</td>
</tr>
<tr>
<td>PCDD/F5 (ng/kg)</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

Germination Inhibition assay
- no inhibition
- no inhibition

Phytotoxicity
- no Phytotox.
- no Phytotox.

Particle size distribution
- ABC: 1 mm-5 mm 90%
- Plant based: 1-20 mm 80%

Bulk density
- declaration
- declaration

Dry matter content
- > 80%
- > 60%

pH
- 6-10
- 6-10

Total Organic C
- declaration
- 20%

N total
- declaration
- declaration

Total P (P₂O₅)
- >25%
- declaration

Total K
- declaration
- declaration

Ca
- declaration
- declaration

Mg
- declaration
- declaration

Agronomic efficiency
- Should be proved and declared
- Should be proved and declared

The EU FERTILIZER REGULATION revision efforts:

The Commission intends to revise Regulation (EC) No 2003/2003 to extend its scope to other fertilisers and fertilising materials and possibly including organic fertilisers (ABC biochar), growing media and soil improvers (plant based biochar) and biostimulants.

COORDINATOR CONTACT:
Edward Someus
Biochar S&T engineer
biochar@3ragrocarbon.com
http://www.agrocarbon.com
http://www.refertil.info