### Agricultural Residues and Biomass

- **Crop production**
  - Residues from cereal grains (e.g. wheat, rice, rye, barley)
  - Residues from vegetable oil production (e.g. rapeseed, sunflower, soy, palm, coconut)
  - Residues from potato, corn or rice starch production
  - Residues from spices and seasoning
  - Manufacturing residues from the production of canned food

- **Animal husbandry**
  - Manure and digestate

- **Fisheries**
  - Fish processing residues (e.g. fish heads, tails, skins, bones, blood, guts)

- **Forestry**
  - Wood chips, wood shavings, bark, wood wool

### Food Processing Residues

- **Bakery**
  - Malt spent grains, -germ, and dust from beer production, hop spent grains

- **Beverages**
  - Fruit, grain and potato mashes, alcohol distillery residues

- **Dairy**
  - Residues from creamery operations

- **Meat processing**
  - Carcass and bone residue

- **Fish processing**
  - Fish processing residues (e.g. fish heads, tails, skins, bones, blood, guts)

### Recycling and Wood Processing

- **Natural bark and wood processing**
  - Natural bark and wood, obtained from mechanical processing (waste wood A1)

- **Wood products**
  - Wood chips, wood shavings, bark, wood wool

### Food Waste

- **General landscaping residues**
  - Urban green cuttings

### Consumer Materials

- **Urban green cuttings**
  - Without fresh and other biomass processing residues

### Recycling Economy

- **Residual biomass**
  - Residues generated by landscape management, similar operations, sawmills or treatment of industrial waste

### Landscaping Residues

- **Urban landscaping residues**
  - General landscaping residues

### Special Requirements and Notes

- **European Biochar Certificate**
  - Positive list of permissible biomasses for the production of biochar

- **Feedstock**
  - Mushroom substrates

- **Recycling and wood processing**
  - Wood chips, wood shavings, bark, wood wool

- **Wood products**
  - Wood chips, wood shavings, bark, wood wool

- **General landscaping residues**
  - Urban green cuttings

### European Biochar Certificate

- **Feedstock**
  - Positive list of permissible biomasses for the production of biochar

- **Recycling and wood processing**
  - Wood chips, wood shavings, bark, wood wool

- **General landscaping residues**
  - Urban green cuttings
<table>
<thead>
<tr>
<th>Category</th>
<th>Group</th>
<th>Feedstock</th>
<th>Special requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water maintenance &amp; vegetal marine biomass</td>
<td>Water maintenance &amp; vegetal marine biomass</td>
<td>Residues from the processing of coffee (e.g. silver skin), cocoa (e.g. press residues)</td>
<td>Contamination by plastics must not exceed 1% (10% for EBC-ConsumerMaterials and EBC-BasicMaterials), individual approval needed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Floating debris, seaweed material</td>
<td>For EBC-Food, only from seaport or dedicated collection of aquatic plants in strictly defined areas. Special attention must be given to avoid contamination by plastics. A special permit from C2G and proof of origin is needed.</td>
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<tr>
<td></td>
<td></td>
<td>Aquatic plants and algae</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Textiles</td>
<td>Contamination by plastics must not exceed 1% (10% for EBC-ConsumerMaterials and EBC-BasicMaterials), individual approval needed. For EBC-AgroOrganic, the biomass must not be used in areas or on crops not approved for EBC-AgroOrganic.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cellulose, carbon and plant fibres</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Waste of hemp, wood, etc.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-animal digestate</td>
<td></td>
</tr>
</tbody>
</table>

### Additives

Additives serve to improve pyrolysis conditions and biochar quality. Their share in the pyrolysed biomass must not exceed 10% DM in total. Higher dosages require individual approval.

<table>
<thead>
<tr>
<th>Group</th>
<th>Name</th>
<th>Feedstock</th>
<th>Special requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal and organic additives</td>
<td>Lime</td>
<td>✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bentonite</td>
<td>✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rock powder</td>
<td>✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Argile</td>
<td>✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Clay</td>
<td>✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td>✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wood- and plant ashes</td>
<td>✓ ✓ ✓ ✓ ✓</td>
<td>Only certified ashes. Approved are RAL-quality ash. Further ashes on request. The instruction manual may include additional analyses and limit values for Switzerland.</td>
</tr>
</tbody>
</table>

The inclusion of other biomasses and additives not included in the positive list can be applied for at CSI. The inclusion of sewage sludge or livestock manure is not recommended. The inclusion of sewage sludge or livestock manure is not recommended. Higher dosages require individual approval.