Global Biochar Market: Insights, Market Size, Share, Growth, Trends Analysis and Forecast to 2021

Description: Biochar is an inert residue created by heating organic material in a low oxygen environment during the process called pyrolysis. Heating organic material without oxygen in a process called pyrolysis thermochemically transforms biomass into a stable char residue that resists decomposition, while also producing oil and gas. Example of biomass consist forest residues like branches, wood chips and yard clippings. Pyrolysis leaves behind gases and oils that can be combusted to create energy. The characteristic and proportion of oil, gas and char produced can be determined by temperature, feedstock and time of exposure in pyrolysis. This char portion created by the pyrolysis process is called Biochar which is used for agricultural amendment. Global market for Biochar is a niche market but is expected to grow in coming years on account of various agronomic benefits such as high fertility, improved soil quality and positive environmental effects. The market is at an introduction stage but with several demo projects and small scale production technologies it is expected to rise by 2021. The global biochar market can be segmented on the basis of application as agriculture, gardening and household. Biochar market can also be segmented on the basis of technology used for its production as Fast & Intermediate pyrolysis, slow pyrolysis, gasification and microwave pyrolysis.

One of the major drivers augmenting the global Biochar market is that it improves soil fertility. Biochar also help soil to retain its moisture content and improve nutrient availability and thus enhance soil productivity. Biochar could provide contribution to reduce global green house gas emissions. It sequesters carbon while generating renewable energy and reducing GHG emissions from waste decomposition and soils. Additionally, Biochar can also be used for capturing zinc, nitrogen, phosphorous and other metals in waste water systems.

Global biochar market is in its fledging stage and its segmentation based on various regions is done as North America, Europe, Asia-Pacific, Latin America and Rest of the world. Europe promotes development of biochar industry on a large scale whereas in the US and Asia-Pacific regions the market is in its infancy. Biochar market in rest of the regions is restricted to medium or small scale production also there is hundreds of pilot projects planned to take at large scale in future. Some of the key players in the global Biochar market include British Biochar Foundation, Cool Planet Energy Systems Inc., Biochar Products, Inc., Blackcarbon, Diacarbon Energy Inc., Genesis Industries, The Biochar Company, Agri-Tech Producers LLC, Vega Biofuels Inc., Hawaii Biochar Products, Phoenix Energy and others.

Contents:

1. Preface
   1.1. Report description
   1.2. Research methods
   1.3. Research approaches

2. Executive summary

3. Global Biochar Market Overview
   3.1. Introduction
   3.2. Market dynamics
   3.2.1. Drivers
   3.2.2. Restraints
   3.2.3. Opportunities
   3.3. Porter's five forces analysis
   3.4. Key Investment Market analysis
   3.5. Competitive landscape in the biochar market, 2013-2014
   3.6. Protocols and Standards by government for biochar production

4. Global Biochar Market Analysis, by technology type (USD million) 2014-2021
   4.1. Fast & Intermediate Pyrolysis
   4.2. Gasification
   4.3. Slow Pyrolysis
4.4. Microwave Pyrolysis
4.5. Others

5. Global Biochar Market Analysis, by application type (USD million) 2014 - 2021
5.1. Agriculture
5.2. Gardening
5.3. Household
5.4. Others

6. Global Biochar Market Analysis, Regional Analysis (USD million) 2014 - 2021
6.1. North America
6.1.1. North America biochar market by technology type (USD million)
6.1.2. North America biochar market by application type (USD million)
6.2. Europe
6.2.1. Europe biochar market by technology type (USD million)
6.2.2. Europe biochar market by application type (USD million)
6.3. Asia Pacific
6.3.1. Asia Pacific biochar market by technology type (USD million)
6.3.2. Asia Pacific biochar market by application type (USD million)
6.4. Latin America
6.4.1. Latin America biochar market by technology type (USD million)
6.4.2. Latin America biochar market by application type (USD million)
6.5. Rest of the World (RoW)
6.5.1. RoW biochar market by technology type (USD million)
6.5.2. RoW biochar market by application type (USD million)

7. Company profiles
7.1. British Biochar Foundation,
7.2. Cool Planet Energy Systems Inc.
7.3. Biochar Products, Inc.
7.4. Blackcarbon
7.5. Diacarbon Energy Inc.
7.6. Genesis Industries
7.7. Agri-Tech Producers LLC
7.8. Vega Biofuels Inc.
7.9. Hawaii Biochar Products
7.10. Phoenix Energy

Ordering:

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Global Biochar Market: Insights, Market Size, Share, Growth, Trends Analysis and Forecast to 2021
Web Address: http://www.researchandmarkets.com/reports/3615544/
Office Code: SC

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>USD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td></td>
</tr>
<tr>
<td>Hard Copy - Enterprisewide:</td>
<td></td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td></td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.
* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr  [ ] Mrs  [ ] Dr  [ ] Miss  [ ] Ms  [ ] Prof
First Name: ___________________________  Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World