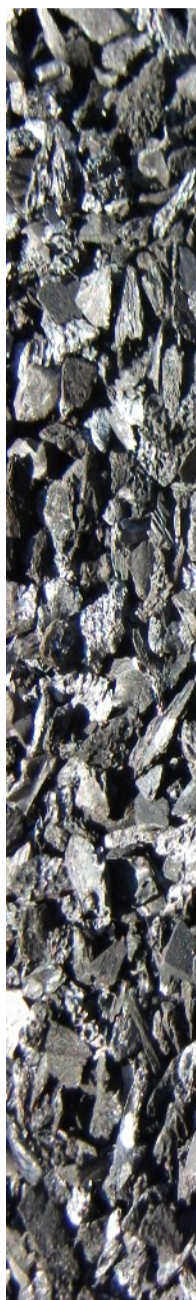


Improvement of comprehensive bio-waste transformation and nutrient recovery treatment process for production of combined natural products

REFERTIL BIOCHAR POLICY SUPPORT

Proposed mandatory parameters for biochar (mg/kg)



Biochar parameters	ORGANIC P FERTILISER	SOIL IMPROVER
As	10	10
Cd	1.5	1.5
Cr	100	100
Cu	200	200
Pb	120	120
Hg	1	1
Ni	50	50
Zn	600	600
PAH₁₆	6	6
PCB₇	0.2	0.2
PCDD/F5 (ng/kg)	20	20
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 mm90%
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 P fertiliser, growing media (ABC biochar) and soil improver (plant based biochar).**



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