

Webinar Q&A Discover the future of organic waste innovation - 18th December 2024

Question #	Question	Answer
1	What are your thoughts on inoculating the biochar before application and if inoculation is completed what are some popular options?	moving in a trial phase we will be looking at option of additional applications and take into account inoculation as well - we can include this in our program development
2	Is the environmental water referred to linked to the assessment of environmental flows at the site?	live answered
3	how do you produce bio char?	we have been looking at the process of pyrolysis using a variety of feedstock from local bioproducts
4	Removal of logs from the creek system may improve the flow but has there been assessment on the impact of on existing ecosystem of the system where from the logs are removed?	currently being discussed
5	What is carbon 'insetting'?	strategies used to reduce a carbon footprint - investing in projects to reduce emissions
6	How do these great initiatives contribute to tackling issues related to challenges of climate change?	live answered
7	Whats the scale of production of bioChar? How viable is the collection of wood residues from water ways or from anywhere? If you build a biochar refinery, can you regularly source viable feedstock? I know that silica (rich traw and bran) can cause issues - coat the interal walls of the furance.	live answered
8	Pyrolysis is "subjection of organic compounds to very high temperatures" What is the power source for this very high temperature?	live answered
9	Are you, or have you planned to develop cost/return models (\$, environmental, social) for the alternative pathways within circular systems? These would assist the pitch and engagement process.	live answered
10	What work has been done to measure the lifecycle greenhouse emission profile of these activities, from collection and processing of material, through to the pyrolosis and ultimately transport and application?	live answered
11	Have you had any issues with Victorian pollution regulations for the pyrolysis process? I understand that this was, and may still be, a challenge for biochar production in NSW.	live answered
12	Si generally not too much of an issue if you avoid crystalline Si formation- most pyrolysis systems run below 600 deg C, so avoiding this. Definately an issue with high temp gasification or combustion	live answered
13	Is there any opportunities for bio-fuel in addition to the utilisation of biochar from agriculturl waste, and agroforestry ?	live answered
14	See my hemp biochar methane results issue chat please Lismore uni Nb - Biochar is not a fert but a place where biology can breed !:)	live answered
15	What about the use of Biochar to generate energy and the use of the residue as fertiliser ?	live answered
16	Silica in rice and hemp is potentially toxic. Like asbestos and silicosis if not protected oh and s	live answered
17	Re: Biochar. Is there a distance relationship / limit between the biomass source, processing & end user beyond which the proposal is uneconomic? e.g all need to be within 100km or transport costs kill the benefits?	live answered
18	Is the organic material removal process monitored to ensure that the water channel characteristics are not impacted?	live answered
19	John muir Qld ex Riverina agro Hemp agronomist agrifutures and hemp Crop consultant and hemp biochar used in grass fed cattle in casino with stu Larsen chair aust biochar. Resulted in 85% reduction in methane and 8% wt gain We have grown 15 t ha biomass crops hemp with WMLIG in past demos and trials but now gave over 20 t ha in Hillston and 30 000 t on over 1000 ha About 4 t biomass hemp makes 1 t ha biochar JM Me to Hosts and panelists John muir ex dist agro HayNSW ag 80's	live answered