

Peer Exchange Day 2 Chat Transcripts

[1:21 PM] Leete, Peter (DOT) (Guest)

here is a link for the AURI Hemp Report: <https://www.auri.org/research-reports/hemp/>

[1:24 PM] Smith, Christopher E (DOT) (Guest)

Did the speaker say that the blanket will be 100% hemp (netting and fill)?

[1:25 PM] Graeve, Kenneth M (DOT) (Guest)

Hey Chris, yes they'll be exploring the use of hemp both for the fill and also to spin the yarn for the netting.

[1:26 PM] Smith, Christopher E (DOT) (Guest)

Ken - Will the blanket have rayon thread or hemp thread?

[1:27 PM] Graeve, Kenneth M (DOT) (Guest)

Not sure about the thread, maybe that's TBD

[1:27 PM] Smith, Christopher E (DOT) (Guest)

Thanks.

[1:28 PM] Sadler, Michael

Does the field composition of a fiber hemp crop include males and females? Does that have an adverse effect on the quality of CBD / extraction crops nearby?

[1:35 PM] Smith, Christopher E (DOT) (Guest)

Interesting question Michael - Planting male plants could have unintended adverse impacts on pollinators if treated with pesticides, etc. While hemp is wind pollinated, bees will collect pollen from male plants.

[1:37 PM] Sadler, Michael

i wonder specifically which has more value as a fiber crop Chris, M or F ... i suppose i'm also interested in how female plants for extraction crops react to being pollinated, potentially decreasing the amount of time and energy they spend producing flower, effectively limiting yield for extraction growers

[1:41 PM] Slesar, Chris

Hemp for victory link: <https://www.youtube.com/watch?v=d3rolyiTPr0>

[1:43 PM] McCully, Jeannie (Guest)

Thank you! Super interesting!

[1:43 PM] Jane Kolodinsky (Guest)

Thank you!

[1:43 PM] Graeve, Kenneth M (DOT) (Guest)

That's interesting - hemp is associated w/ marijuana as the "gateway drug" but Jane is saying that erosion control could be hemp's gateway industry...

(1 liked)

[1:44 PM] Jane Kolodinsky (Guest)

Perhaps!!!!

[1:53 PM] Jane Kolodinsky (Guest)

We have a USDA funded project on economics of hemp. One of the current subprojects is coding all the state plans to identify differences/similarities in language, etc. Our advisers told us that the lack of a single lexicon is making things VERY difficult.

[2:01 PM] McCully, Jeannie (Guest)

I'm curious how much easier this would be in states, like WA, where recreational marijuana is legal?

[2:09 PM] McCully, Jeannie (Guest)

Ok thank you. This was probably covered - been pulled away several times (covid work/childcare balance) (smile)

[2:14 PM] Jane Kolodinsky (Guest)

This talk is so interesting

[2:19 PM] Grider, Nathan (Guest)

Yes, very interesting! Thank you!

[2:33 PM] Kristin Darby (Guest)

Are any of the Vermont hemp producers already using the hemp in erosion control products?

[2:34 PM] Slesar, Chris

If 90% of hemp in VT (and elsewhere) is going to harvest of flowers for THC, does the vast majority of the rest of the plant got to waste?

[2:36 PM] Graeve, Kenneth M (DOT) (Guest)

I was wondering that, too - is the waste (stalks) from CBD and grain varieties still valuable as fiber, or is it of such low grade that it's not useful?

[2:39 PM] Dwayne Stenlund (MnDOT) (Guest)

Does any testing or data exist that indicates what happens when hemp decomposes for nutrient release? for example, if hemp was used in a manner similar to peat for storm water basin organic matter content, would P be released?

[2:40 PM] Tuel, Warren (DOT) (Guest)

I've heard that the byproduct remaining after CBD extraction is very fibrous and difficult to compost so I would think there would be some usable fiber.

[2:41 PM] Alissa Salmore (Guest)

Sorry if I missed it, but how is it that VT can operate under more lenient testing requirements & higher THC threshold than set in national rules?

[2:45 PM] Smith, Stephanie

<https://fullcirclemicrobes.com/> Dwayne Stenlund (MnDOT) (Guest)

(1 liked)

[2:50 PM] Dwayne Stenlund (MnDOT) (Guest)

Any data on use of hemp fiber in oil capture, nutrient retention, heavy metal retention, salt mitigation?

[2:54 PM] Smith, Stephanie

Alissa Salmore Vermont is operating under the 2014 Farm Bill. The definition of hemp focuses on the delta-9 THC concentration of 0.3%, and didn't address THCA until the passage of the interim final rule, which is part of the 2018 Farm Bill.

013 PM] Graeve, Kenneth M (DOT) (Guest)

We'll be hearing a little bit about potential unintended consequences of imported natural fiber, including carbon footprint, tomorrow. stay tuned.

[3:24 PM] Graeve, Kenneth M (DOT) (Guest)

Craig, these are great considerations to bring up, very interesting.
(2 liked)

[3:27 PM] Marc S. Theisen (Guest)

what type of dye goes into the green blankets?

[3:27 PM] Grider, Nathan (Guest)

Thanks Craig! Good to hear from you again!

[3:29 PM] Heather Darby (Guest)

Citation for crop impacts...EEA (European Environment Agency) 2007: Estimating the environmentally compatible bioenergy potential from agriculture, Technical Report No. 12/2007.
(2 liked)

[3:41 PM] Michael Perez (Guest)

Sediment barriers, including silt fence, should not be thought of as "filters". These practices function primarily by temporarily impounding runoff and creating conditions favorable to settling.
I'd be interested in seeing wool used as fiber logs.

[3:44 PM] Smith, Christopher E (DOT) (Guest)

If animal products are used, something that needs study is the potential for systemic livestock pesticides being contained in wool fibers and spread in the landscape.

[3:56 PM] Kimberly Burkwald IDOT (Guest)

Montana University and Idaho DOT, can IDOT get in touch with you as we move forward with our research ICT study? This looks extremely similar to what we are trying to implement with our study. We have a research center at U of I that tests a lot of sediment and erosion control products very similar to what you've done here. It seems like you have a lot of research data and information that may be useful and may be a good opportunity to collaborate.
Thanks! Kimberly Burkwald at IL DOT

[4:05 PM] Grider, Nathan (Guest)

Can Craig speak about the plastic free alternative ECB products they already have on the market? Such as Curlex.

[4:07 PM] Burkwald, Kimberly (Guest)

Great thank you Rob! Kimberly.Burkwald@illinois.gov

[4:08 PM] LIVENGOOD Celine (Guest)

This question is for Craig Ament. Has the research information been sent to any manufacturer's of erosion control matting? Or, to gather interest, are there plans to introduce this research results with manufacturers?

[4:13 PM] Rob Ament (Guest)

Celine: A story was published in IECA magazine, so practitioners/industry have heard about the MT research, as I am not done with Idaho project, have no results to share yet.

[4:15 PM] LIVENGOOD Celine (Guest)

Thank you. It sounds very promising, along with the hemp. I'm looking forward to these more sustainable products to become easily found.

[4:16 PM] John Young Jr

we go begging tpwd to buy property and set up a HT property and they say NO

[4:17 PM] Slesar, Chris

I may have missed this, but is the wool used in the test EC blankets an inexpensive alternative?

[4:25 PM] Graeve, Kenneth M (DOT) (Guest)

Britt Faucette - can you add anything to what Craig has said about the durability of biodegradable sleeves for sediment control logs?

[4:25 PM] Grider, Nathan (Guest)

Kimbely, I have spoken with Craig Schultz before and recommend talking to him more about their products and testing they have done already. Nathan, IL-DNR

[4:30 PM] Graeve, Kenneth M (DOT) (Guest)

Thanks Britt!

(2 liked)

[4:34 PM] Graeve, Kenneth M (DOT) (Guest)

Joel Sprague - do you have any response to Dwayne's questions about testing mixed-media products?