

## 8/20/20 Hemp Virtual Field Day Questions

### Email Questions

Email: Peter Solberg [psolberg@gmail.com](mailto:psolberg@gmail.com)

Processor availability- is it still the limiting factor ?

Outdoor CBD hemp future. When will fiber grain make CBD a greenhouse option only.

Availability for fiber/grain harvesting and markets that may be coming soon?

Email: Joe Rittler [jrittler@gmail.com](mailto:jrittler@gmail.com)

Below are some questions I would like to submit for either hemp field days or for an answer some other time.

1. Will the new situation with the USDA cause any problems for farmers trying to sell their crop on or after November 1 if they only have a license from NYS and not the USDA?
2. What has been the most profitable way for small farmers, with less than 5 acres, to sell their crop? Is it feasible (or legal) to sell raw hemp flower at farmers markets?
3. Are there processors who will purchase undried hemp crops from farmers? If so, who?
4. Are there any large distributors of raw hemp flower in NYS who regularly purchase crops from NYS farmers?

### Chat Questions:

**From Jason Ockun to All Panelists: 09:11 AM**

Were these planted from seed or clones?

**From Larry Smart to Everyone: 09:12 AM**

A mix of clones and seeded. It is shown on the fact sheets here:

<https://hemp.cals.cornell.edu/virtualfieldday2020/>

**From Zach Sarkis to All Panelists: 09:14 AM**

Cbg / thc ratio on point with proposed compliance levels?

**From John to All Panelists: 09:15 AM**

George - How do you physiologically define when a hemp plant is flowering? Is there a standard for "Day 0" of flowering?

**From Zach Sarkis to All Panelists: 09:17 AM**

high cbd in a fiber plant? I am under the impression that the highest quality fiber comes very early in the female flower, as the male pollen is ready to drop. would love to here more on that

**From George Stack to Everyone: 09:21 AM**

Zach Sarkis – “Cbg / thc ratio on point with proposed compliance levels?”

We have not quantified cannabinoids on the CBG cultivars yet, but theoretically they should accumulate little to no THC.

John – “How do you physiologically define when a hemp plant is flowering? Is there a standard for "Day 0" of flowering?”

That’s a great question, especially because not all cultivars flower in the same way. We defined terminal flowering as a cluster of female flowers at the shoot tips.

**From Ed Maguire to All Panelists: 09:28 AM**

Jacob mentioned Puma claimed high CBD content in seeds. Was this confirmed, and if so, do these seeds remain GRAS for food?

**From Keith Francis to All Panelists: 09:28 AM**

From terminal flowering to mature/end of flowering what could be considered an average length of time for this to occur? Within that window of flower maturation, if you were going to test 3 times for CBD and THC , to track CBD and THC levels, when would you suggest to take samples and test? Can you get a good read on where the levels are with only 2 test and if so, when should the test occur? Thanks

**From Ed Maguire to All Panelists: 09:29 AM**

...and was any significant THC detected in seeds of Puma or Bama?

**From JTB to All Panelists: 09:31 AM**

Florescence is typically defined by a set of physical characteristics including the clustering of staminate/pistillate bodies but also the presence of internodal 'stretch' and nutrient demand (yellowing of sugar/sun leaves).

**From Declan to All Panelists: 09:31 AM**

Some of the plants in my field have flowers, but not yet visible trichomes. Does peak flowering entail visible trichomes that are shifting from clear to milky or amber color?

**From Gregory Robinson to All Panelists: 09:31 AM**

Great talk everyone. I'm wondering is there any plan to breed strains high in other cannabinoids like THCV, CBC, etc.

**From Larry Smart to All Panelists: 09:34 AM**

No CBD or THC in the seeds themselves. Jacob was referring to the next progeny generation producing CBD in the flowers, not seeds.

**From Sarah Wylie to All Panelists: 09:34 AM**

What is the difference between the cannabinoid's chemical processes when comparing chemotype 3 and chemotype 4?

**From Declan to Everyone: 09:37 AM**

Are there any issues with male plants from grain and fiber trials in Ithaca pollinating CBD hemp plants elsewhere in Ithaca. Are the grain and fiber plants feminized?

**From Sarah Wylie to Everyone: 09:38 AM**

What is the difference between the cannabinoids' chemical processes when comparing chemotype 3 and chemotype 4?

**From Surya Sapkota to Everyone: 09:38 AM**

Craig- could you please elaborate little bit on flower type in hemp and the art of making crosses?

**From Tony Turner to All Panelists: 09:38 AM**

the research on the dual purpose plant of both CBD and high fiber sounds promising; is there a market yet for hemp fiber? what details, if any, can you provide?

**From Jamie Crawford to Everyone: 09:38 AM**

The grain and fiber trials are separated by at least one mile, and many hills and forested areas from our CBD trials. The grain and fiber entries are not feminized.

**From Charles Blanchard to All Panelists: 09:39 AM**

can you cross a cbd with cbg and get a 50 /50?

**From Alex Gregory to Everyone: 09:40 AM**

For any presenter: Could someone speak to the promiscuity of CBDAS in terms of intermittent THC creation and its ramifications for increasing total CBD yields while remaining compliant?

**From CJ Segal-Isaacson to All Panelists: 09:41 AM**

It sounds as if no irrigation was done with the drought. If so, how was fertilization done?

**From Tony Turner to All Panelists: 09:41 AM**

why send the plants to Florida--was there not supplemental lighting in the greenhouse? what?

**From Cynthia James to All Panelists: 09:42 AM**

Jamie- Do you have any determination for the best recommended varieties for dual purpose cultivars from this year's trials?

**From Veronica Ramirez to Everyone: 09:44 AM**

Greetings from a PhD student working on Oil seed crops (Sunflower) Germany; Has anyone considered and/or planned a mutagenesis approach in the enzymatic pathway to result in cannabinoid build-up?

**From Paal Elfstrum to Everyone: 09:45 AM**

Can molecular breeding be used for pest/disease resistance?

**From Declan to Everyone: 09:47 AM**

The plants in the grain and fiber trials, given adequate rainfall, look pretty healthy. Theoretically, could one direct seed CBD hemp at a wider spacing? It seems that CBD hemp is typically transplanted, but, like I mentioned, the fiber and grain plants look alright.

**From Jamie Crawford to Cynthia James, All Panelists: 09:49 AM**

All of our entries had good seed quality and established well. We will start harvesting for grain soon and then will be able to provide more information on each variety.

**From Anjali Misra to All Panelists: 09:52 AM**

is there a handout for Jacob's talk?

**From Jeanette Miller to All Panelists: 09:56 AM**

we've direct seed planted some CBD and germination was poor and those that have sprouted are considerably smaller.

**From Trent Sybouts to All Panelists: 09:56 AM**

What are your harvesting methods for the plants in Geneva and Ithaca?

**From Lucas Kerr to All Panelists: 09:57 AM**

are you growing organic?

**From Geoffrey Smith to All Panelists: 09:58 AM**

Could Cornell consider CCA credit application for these webinars? Thanks

**From Robin Long to All Panelists: 09:58 AM**

Did I hear correctly that you have plants that are large and flowering that have had no irrigation??

**From Anjali Misra to All Panelists: 09:59 AM**

do the trials include any themp varieties generated by tissue culture?

**From Jamie Crawford to Everyone: 10:02 AM**

Robin Long Our grain and fiber trials have not been irrigated. All other hemp trials/nurseries have been irrigated

**From Keith Francis to Everyone: 10:04 AM**

Can you share George Stacks email address again? Thank you.

**From Larry Smart to Everyone: 10:04 AM**

@Lucas Kerr - we have had grain/fiber trials on certified organic land at Freeville in the past. Not this year.

**From George Stack to Everyone: 10:05 AM**

Keith Francis – “From terminal flowering to mature/end of flowering what could be considered an average length of time for this to occur?”

There is a lot of cultivar variation in time between terminal flowering and full maturity. There is some evidence that trichome color changes clear to milky to amber when they reach maturity.

Alex Gregory – “Could someone speak to the promiscuity of CBDAS in terms of intermittent THC creation and its ramifications for increasing total CBD yields while remaining compliant?”

You are correct, the CBDAS produces some THCA and that’s where the 20:1 to 30:1 ratio comes from. See Zirpel et al. 2018 for more info.

My email is gms252@cornell.edu

**From Casey Berg to All Panelists: 10:05 AM**

The research you are discussing is amazing! So glad someone is doing this

**From Craig Carlson to Everyone: 10:06 AM**

@Surya - Making crosses in Cannabis is fairly simple. For masculinization of female plants, we use ~3 weekly applications of 8mM STS, during the transition to 12hr:12hr night:day light regimen.

Smaller plants are generally easier to handle in the greenhouse. There are genotypic differences in masculinization/pollen production.

**From Larry Smart to Everyone: 10:06 AM**

@Geoffrey Smith Thanks for that suggestion. With Lynn joining our team, we will look at CCA credits for next year's field day.

**From Micah Flaese to Everyone: 10:07 AM**

Is the system, or components, you are using to capture terpenes available to farmers? What is the lab you are using to assess the field trials?

**From Justin Merkel to All Panelists: 10:07 AM**

how long do you leave the pump running?

**From Tess Eidem to All Panelists: 10:08 AM**

Very cool collection method for the field! Does this collection methods also get larger, less volatile terpenes, or do you collect samples of the flower to get the full spectrum of smell/taste-contributing compounds?

**From Jack zhang to All Panelists: 10:11 AM**

I notice the hemp field is by tilling and mulching. any commends on no till and cover cropping?  
Thanks

**From Larry Smart to Everyone: 10:13 AM**

@Tess Eidem We have done a little bit of tissue extractions for non-volatile compounds, but we have not had the bandwidth to do as much terpene analysis as we would like.

@ Justin Merkel I think for 5 min. Cornell cannot provide service lab analysis of terpenes or cannabinoids at this time.

**From Lynn Sosnoskie to All Panelists: 10:15 AM**

Hi @JackZhang. I didn't have time to discuss cover cropping in my weed management talk but it is a topic that I am interested in. There is a network of weed scientists in the NE/Mid-Atlantic looking at cover cropping in other commodities and I hope to partner with them going forward. You can email me at lms438@cornell.edu for further discussion about the topic.

**From Jeanette Miller to All Panelists: 10:15 AM**

are any products suggested for deficiencies or insects OMRI listed?

**From Larry Smart to Everyone: 10:16 AM**

@Jack Zhang We have not done much research on no till or cover cropping. Purdue and Rodale Institute have a grant to study this.

**From John to Everyone: 10:18 AM**

When applying the Bacillus line of biological fungicide, are there any pros and cons of using an aqueous suspension (ie Cease) vs a wettable powder (ie Serenade OPTI) to treat for powdery mildew?

**From Nicole Gauthier to All Panelists: 10:19 AM**

Gary, Chris, and Jen - do you see any cultivar differences in regard to leaf spots?

**From Jeanette Miller to All Panelists: 10:20 AM**

am I understanding correctly there are no trials then for growing 100% organically?

**From Justin Merkel to All Panelists: 10:21 AM**

Will those various fungicides show up in testing at the processors and potentially be recognized as dangerous and deem the crop unusable?

**From Justin Merkel to All Panelists: 10:23 AM**

Also, is it even possible to add pesticides or fungicides during the flowering stage?

**From Larry Smart to Everyone: 10:24 AM**

@Jeanette Miller We were asked to cut our research trials by 50% this year to maintain safe working conditions. We had to scale back our plans to plant on the organic farm. We are transitioning 20 ac to organic at Cornell AgriTech, so we will have more capability for organic trials next year.

**From Ryan Ebert to All Panelists: 10:26 AM**

Have other states also been asked to cut research trials?

**From Jack zhang to All Panelists: 10:26 AM**

I am really interested in the relation of hemp strains and cbd profiles with its medical effect, like antianxiety, ant inflammation and analgesia etc. any suggestions for further reading and studies? any strains specific to clinical effects? Thanks

**From Trent Sybouts to All Panelists: 10:26 AM**

Is there any data to support releasing predatory mites vs. Ladybugs for two-spotted mite control?

**From Gary Bergstrom to All Panelists: 10:27 AM**

Good question Justin. I think it will depend on buying standards of the industry for grain/oil and flowers for CBD. We are looking especially at materials used with success in the cereal grain industry with flowering application to suppress mycotoxin levels. There are days to harvest restrictions and tolerance for residues in cereal grains that will need to be figured out for hemp.

**From Charles Blanchard to All Panelists: 10:27 AM**

ants will "farm" aphids, diatomaceous earth can be used to deter the ants

**From Ali Cala to Everyone: 10:28 AM**

We saw a questions earlier about the time we used on the pump; we have been using 5 minutes.

**From Declan to Everyone: 10:29 AM**

Any word at Cornell as to how prevalent corn borers have been in corn fields in different parts of NY this year? Has the population been low across the board or particularly for hemp?

**From joseph calderone to All Panelists: 10:29 AM**

have you seen leaf hoppers on any hemp?

**From Jason Lemay to All Panelists: 10:30 AM**

Was gypsy moth seen feeding on the hemp?

**From Chris Smart to Everyone: 10:30 AM**

I just switched from my phone to computer (now inside) and I can't see all the chat history. However I have done walk-in growth chamber trials with several different commercially available Bacillus-based and oil-based products for control of powdery mildew and botrytis. for powdery, all products worked when they were applied before the pathogen was present. For botrytis, the bacillus-based products worked much better than oil-based products, but none of them were completely effective. We are testing in the field this summer.

**From joseph calderone to All Panelists: 10:30 AM**

how to prevent leaf hopper?

**From Dan Gilrein to All Panelists: 10:31 AM**

We saw ECB damage in hemp on LI that was causing breakage

**From Zach Sarkis to Everyone: 10:31 AM**

Creates a mess in the biomass / flower



**From Justin Merkel to All Panelists: 10:31 AM**

thank you for your answer regarding the pump time

**From Zach Sarkis to Everyone: 10:31 AM**

(Corn borer)

**From Charles Blanchard to All Panelists: 10:32 AM**

i have seen botrytis where the borers enter the stem

**From Jeanette Miller to Everyone: 10:35 AM**

Thank you Larry! Hi everyone. Happy to see so many people on here!!!

**From Gary Bergstrom to All Panelists: 10:37 AM**

Nicole, we are observing some early quantitative differences in downy mildew in the Ithaca CBD/CBG cultivar trials; will need to see if differences stand up season long. Bipolaris is just coming along in the cultivar trials so I hope we can discriminate varieties before harvest. We have not had Septoria in any of our cultivar trials so no good comparison opportunity to date. Very little disease seen in the grain and fiber cultivar trials.

**From Jamie Crawford to Everyone: 10:39 AM**

@Joseph Calderone We have seen potato leaf hopper adults and nymphs on our grain and fiber trials. Are these the hoppers you are referring to? They start out causing yellow v's on the leaf tips?

**From Maire Ullrich to All Panelists: 10:40 AM**

My 5 cents - On aphids: I have seen them really heavy on flowers, whether they impact pollination (grain) or CBD quality/flavor I have no idea but at the least, at and shortly after harvest populations move off of the dying plant and can cover storage bins/facilities. Also for ECB - I have seen a few plants wilted/broken (seen as high as 5%, heard of as high as 10% in NY) but I think the stem might not be right for ECB and many seem to die in the stem, maybe fibers are too tough or something else that traps the ECB in the stem.

**From Trent Sybouts to All Panelists: 10:42 AM**

Is there any research on crop density and weed control?

**From joseph calderone to All Panelists: 10:42 AM**

yes

**From Naseer Siddique to Everyone: 10:43 AM**

I've seen candy-striped leafhopper on the leaves, not a lot of damage

**From Jeff Kostuik to All Panelists: 10:43 AM**

Thanks Lynn...any work on Ethalfluralin for pre plant application in hemp? It has minor use approval in Canada

**From Gary Bergstrom to Everyone: 10:43 AM**

Nicole, we are observing some early quantitative differences in downy mildew in the Ithaca CBD/CBG cultivar trials; will need to see if differences stand up season long. Bipolaris is just coming along in the cultivar trials so I hope we can discriminate varieties before harvest. We have not had Septoria in any of our cultivar trials so no good comparison opportunity to date. Very little disease seen in the grain and fiber cultivar trials.

**From Shane Davis to All Panelists: 10:43 AM**

generally an unbalanced ecosystem leads to the introduction/attraction of pests. do you have any studies on say a Nitrogen overload introduces aphids etc? is this a study that you are conducting or will conduct?

**From Dan Gilrein to All Panelists: 10:44 AM**

We have seen PLH hopperburn and stunting, severe, on LI. Also saw cannabis aphid last year on Long Is

**From Gary Bergstrom to Everyone: 10:44 AM**

Good question Justin. I think it will depend on buying standards of the industry for grain/oil and flowers for CBD. We are looking especially at materials used with success in the cereal grain industry with flowering application to suppress mycotoxin levels. There are days to harvest restrictions and tolerance for residues in cereal grains that will need to be figured out for hemp.

**From shuresh ghimire to Everyone: 10:44 AM**

I saw enormous amount of oriental and Japanese beetles in a hemp field in CT. Didn't seem to cause a lot of damage. Any experience with those beetles?

**From Trent Sybouts to All Panelists: 10:45 AM**

We actually experienced the same thing on our Hemp crop here in Geneva, NY. We had leaf-hoppers for a few weeks around early July and now they are gone without any intentional pest control.

**From Lynn Sosnoskie to All Panelists: 10:46 AM**

Hi @JeffKostuik I'll be looking at ethalfluralin, pendimethalin and trifluralin in hemp this coming year. I have seen mixed results from other labs with pendimethalin (with respect to safety)

**From Paal Elfstrum to Everyone: 10:47 AM**

For cannabinoid hemp what specific soil testing would you recommend to avoid anything harmful from accumulating in the flowers?

**From Trent Sybouts to All Panelists: 10:48 AM**

We have Many Japanese beetles in our crop here in Geneva, NY. From what I see, they cause very little insect damage.

**From Raul Cabrera to All Panelists: 10:48 AM**

We have had a substantial population of stink bugs in our CBD hemp plot in our Rutgers research farm in southern NJ. We are surrounded by soybeans, so we figure they are coming from this crops. They seem to like hemp for mating, and we have not observed apparent damage from feeding.

**From Rion LoBrutto to All Panelists: 10:50 AM**

Are you currently doing any no-till trials?

**From Steve Noffsinger to Everyone: 10:51 AM**

We're seeing a lot of aphids in CO in hemp (and other crops and gardens) this year. Ladybugs and Ladybug releases seem to be controlling them. There are many leafhoppers in surrounding fields and pastures this year, but so far, not much damage in hemp.

**From Micah Flause to Everyone: 10:52 AM**

How can commercial operators and farmers be more collaborative with educational institutions like Cornell? Specifically on topics like heavy metal contamination, IPM strategies, fertility programs and general field research.

**From Jamie Crawford to Everyone: 10:52 AM**

Potato leaf hoppers do not overwinter in the northeast and must move in from the south each year. In alfalfa, we see PLH see severe damage every 5 years or so, Nymphs struggle to survive on plants with more hairs, which may be why we have seen less damage on our CBD types of hemp than on the grain and fiber types.

**From Josh Putman to All Panelists: 10:52 AM**

With Palmer amaranth in NY, what challenges might we see in regards to hemp production and harvest? Are hemp harvesters capable of doing a good job?

**From Justin Merkel to All Panelists: 10:53 AM**

Can our farm potentially utilize some of the strains that are being researched by your labs, and if so, how do we acquire the seeds, etc

**From Christine Horton to All Panelists: 10:54 AM**

I may have missed this, but regarding powdery mildew, are you attempting to manage it at all? We are using a product called Zeritol and hoping it will help.

**From Laurie Berube to All Panelists: 10:56 AM**

can you recommend a lab that will test for metals and toxins?

I went through a local soil and water conservation service to test the soil ( pre and post harvest) but they could only locate a lab that tests for ph and minerals.

ok, thank you

**From Trent Sybouts to All Panelists: 10:57 AM**

Can you provide a link to the list of labs in NY?

**From Charles Blanchard to All Panelists: 10:58 AM**

is it possible to breed a high cbg plant with a high cbd plant and get a 50/50 mix of cbd and cbg with the added benefit of being total thc compliant at full maturity?

**From Lynn Sosnoskie to Everyone: 10:59 AM**

Just a quick note. With respect to the absence of registered herbicides, hemp could be a good candidate crop for vision-guided, weed control. It is a topic of interest of mine and something that I am hoping to explore in specialty crops in the coming years.

**From Larry Smart to Everyone: 10:59 AM**

Please look here for links to testing labs: <https://hemp.cals.cornell.edu/resources/hemp-growing-info/>

**From Joyce Brown to All Panelists: 11:00 AM**

Sorry if I missed this, are we going to be able to have links to the powerpoints?

**From Lynn Sosnoskie to Everyone: 11:06 AM**

One last thing about hemp and herbicide trials. Studies are being conducted at different universities in the US and using different types of hemp and sometimes we are seeing significant variability within and between sites. This highlights how much we don't know about how the environmental and genetic diversity will interact to affect hemp tolerance to herbicides.

**From Ali Cala to Carlyn S. Buckler, All Panelists: 11:06 AM**

Thank you Carlyn!

**From Trent Sybouts to Everyone: 11:12 AM**

Are there any producers that have used the product "Thyme Guard" for insect/fungal control? If so, what was your result?

**From Charles Blanchard to All Panelists: 11:18 AM**

why did they stop new processing licences?

**From Joseph Calderone to All Panelists: 11:19 AM**

if the cost of processing/extraction for CBD dropped considerably (at least 20-30%) and distribution of isolates/distillates into more products increased would these variables give producers

**From Declan to Everyone: 11:19 AM**

These are CBD oil processors?

**From Larry Smart to Everyone: 11:20 AM**

It is critical to lower costs of production - seed costs and harvest/drying costs.

**From Peter Solberg to All Panelists: 11:20 AM**

With the assumed stockpile of hemp from last year's harvest do you envision the 2020 crop demand will suffer. IE, the 2020 crop being beneficial or remain at a low rate (# / % CBD)

**From Zach Sarkis to Everyone: 11:20 AM**

I would also argue that that was a very narrow scope of value - understandable given legislation and federal parameters. But it must be made known that the price of the pound is going for \$200-\$500+ for quality product - both in state and out of state.

**From Carla Mayer to Everyone: 11:22 AM**

What about competition overseas and restrictive governmental regulations -also any news on USDA policy?

**From Zach Sarkis to Everyone: 11:22 AM**

Happy to talk extensively on this subject - and there are many people in this space who are taking advantage of quality production. Again, I am not saying this is "compliant" or within the domain of Cornell- but it is a reality that could be very supplemental to the growing community... it is the white

elephant in the room

And until it is address I feel the NY growing community will be cut short of their potential.

**From David Dzielak to All Panelists: 11:23 AM**

Is anyone exploring whole plant cold pressed hemp. This apparently is happening on the west coast.

**From Chelsea Jack to All Panelists: 11:23 AM**

Thanks for these supply chain presentations. Where is pricing information coming from? And I'm also curious if anyone has data about ongoing competition from import commodities, if anyone has that data.

**From joseph calderone to All Panelists: 11:24 AM**

Europe recently considerably (EIHA) limited the potential infusion of CBD in consumer products, if I'm not mistaken

**From Zach Sarkis to Everyone: 11:26 AM**

Valid points for consideration (blue book)

**From Trent Sybouts to Everyone: 11:28 AM**

What are the potential effects of the updated registration policy for growing Hemp in NY in 2021?

**From John Hanchar to Everyone: 11:34 AM**

Costs of production analyses used in the first piece, and other work can be viewed at <http://hemp.cals.cornell.edu/docs/>

**From Donna Lupardo to All Panelists: 11:37 AM**

Many of us have also requested a one year extension for the Interim Rule.

**From David Dzielak to All Panelists: 11:37 AM**

What would be involved in getting a USDA Hemp research partnership or license ?

**From Larry Smart to Everyone: 11:38 AM**

Here is the USDA AMS page with the application and link to FBI Identity History Summary <https://www.ams.usda.gov/rules-regulations/hemp/information-producers>

**From Rion LoBrutto to All Panelists: 11:39 AM**

And how will the processors transition be affected by this decision to stop the growers permitting  
Thanks

**From Peter Solberg to All Panelists: 11:41 AM**

On Oct 31st, if we have hemp stored, would we require a USDA registration? Does this include  
clone candidates and seed stock?

**From Lisa Strassheim to All Panelists: 11:41 AM**

For the new USDA application, should current growers choose NEW or RENEWAL.....

**From Declan to Everyone: 11:42 AM**

If New York legalizes marijuana, would that be a separate registration with the state? Regarding  
2021/22.

**From David Falkowski to All Panelists: 11:42 AM**

Will handlers and or processors need the new USDA license?

**From Lisa Strassheim to All Panelists: 11:42 AM**

I see local growers selling flower. That is still illegal, correct?

**From Carla Mayer to Everyone: 11:43 AM**

Whom is considered a "grower" - the landowner or the actual farmer/renter?

**From Peter Solberg to All Panelists: 11:44 AM**

Is hemp production still considered an agricultural product that is "protected" under Ag and Market  
law / Ag District

**From Renee St Jacques to All Panelists: 11:45 AM**

will NYSDAM still be doing hemp extraction licenses or will that be now federal?

**From Daniel DeGirolamo to Everyone: 11:45 AM**

Who needs to have the FBI bkgrd checks, manages, staff, investors?

**From Steven Fleming to All Panelists: 11:46 AM**

Have 6,000 beautiful medicinal hemp plants on 6 acres in Delaware County, NY. We tried finding a

buyer before planting. No luck. Is there a specific list of NYS buyers that we can contact?  
Sorry. Forgot my name. Deb Fleming

**From Kelly Heferle to All Panelists: 11:46 AM**

we have only been able to use our license for 1 full growing season. will there be a prorated refund from agri markets?

**From Courtney Cawley to All Panelists: 11:48 AM**

Is there a database that you can share on state-by-state cannabinoid program guidelines?

**From Zach Sarkis to Everyone: 11:51 AM**

pretty crazy that medical marijuana extraction does not need to be GMP certified - curious if we will be come more friendly towards cannabinoid extraction (small scale production, etc)

**From Nicole Johnson to Everyone: 11:52 AM**

It's almost inevitable that NY will legalize adult-use, recreational cannabis in the future. Does anyone know if that would this alter the 0.3% THC limit currently in place for fiber, grain, and CBD growers?

**From Zach Sarkis to Everyone: 11:52 AM**

word on the street is delta 8 will be bundled into total thc

**From joseph calderone to All Panelists: 11:53 AM**

medical marijuana is still not federal but if those companies want to survive they are most assuredly cGMP compliant on process if not in name

**From Jeanette Miller to Everyone: 11:54 AM**

it will take The MORE Act or something similar on a federal level to alter the THC limit

**From Sean Connors to All Panelists: 11:55 AM**

Can a retailer hold an Extraction and Manufacturing Licence?

**From Jeanette Miller to Everyone: 11:55 AM**

Can Hemp Retailers sell flower?

**From Zach Sarkis to All Panelists: 11:56 AM**

again, medical MJ does not have to adhere to GMP. 🤖  
pretty wild.



**From Joseph Calderone to All Panelists: 11:56 AM**

Will there be a list of approved labs that are ISO certified or equivalent the state has listed?

**From Carla Mayer to Everyone: 11:57 AM**

To Chris- who does the USDA consider a "grower" - the landowner or the actual farmer/renter?

**From Zach Sarkis to All Panelists: 11:57 AM**

When is the feedback period open?

**From Paal Elfstrum to All Panelists: 11:58 AM**

Can we extend our NY Grown and Certified status to our Hemp crop and thus the Cannabinoid products that are made from that supply chain? <https://certified.ny.gov/>

**From David Falkowski to All Panelists: 11:59 AM**

On the retail level, what will the mechanism of enforcement be for non compliant hemp products in NYS beginning 2021?

**From Wayne Bishop to All Panelists: 12:01 PM**

Can A&M convince USDA to measure delta 9 for THC vs. Delta 9 and THCA?

**From Jeanette Miller to Everyone: 12:01 PM**

Flower is more than smokable

**From Jennifer Sisbarro to All Panelists: 12:01 PM**

If NYS growers have crops finishing in October should we start applying for the USDA now so we don't have a big gap in growing? What if it takes a couple months to get the USDA license? I'm wondering because Chris mentioned that we can't have a NYS grower license and USDA. How do we transition seamlessly?

**From Jeanette Miller to Everyone: 12:01 PM**

It can be made into foods, teas, homemade topicals

**From Trent Sybouts to Everyone: 12:01 PM**

Is there anyone who has done any research with different types of foliar applications for feminizing seeds and their efficacy?

**From Jeanette Miller to Everyone: 12:02 PM**

@Patrick McKeage Will farmers be able to get a processor license to process product on their farm...? light processing....

**From Melissa Fayson to All Panelists: 12:02 PM**

can you talk about the application process for retailers that will be required Jan. 1, 2021

**From Aleece Burgio to All Panelists: 12:02 PM**

What happens to grower's nursery permits? Are those still governed by Ag and Markets?

**From Connie Potter to Everyone: 12:02 PM**

@Chris, do you know of any advocacy from Ag & Markets or other state entity at the federal level for increasing the THC limit?

**From Jeanette Miller to Everyone: 12:03 PM**

@Patrick M similar to having a license for making jams etc....

**From Rebecca Clark to All Panelists: 12:05 PM**

Will there be a way for consumers to confirm a retailer has obtained the proper permit/registration?

**From Paal Elfstrum to Everyone: 12:05 PM**

Will existing research partner processors be grandfathered in to the DOH program?

**From David Falkowski to All Panelists: 12:06 PM**

So... only us license holders will be subject for an additional year? this could be devastating.

**From Jeanette Miller to Everyone: 12:06 PM**

Join your Farm Bureau!!!!

**From Brian Conlon to All Panelists: 12:06 PM**

Is DOH intending on labeling ..... for flower sale and possible biomass sales?????

**From James Slosson to All Panelists: 12:07 PM**

Is there and push for adding moisture content to requirements for the sale of flower?

**From Chris Logue to Aleece Burgio, All Panelists: 12:07 PM**

the nursery registration remains with NYSAGM

**From Jennifer Sisbarro to All Panelists: 12:07 PM**

If NYS growers have crops finishing in October should we start applying for the USDA now so we don't have a big gap in growing? What if it takes a couple months to get the USDA license? I'm wondering because Chris mentioned that we can't have a NYS grower license and USDA. How do we transition seamlessly?

**From Carla Mayer to Everyone: 12:08 PM**

Who are the US major foreign competitors for Hemp CBD and Hemp fiber?

**From Nicole Ndiaye to Everyone: 12:09 PM**

I sent mine in already

**From OSIRIS STEPHEN to All Panelists: 12:09 PM**

What's the link to get access to the application

**From Nicole Ndiaye to Everyone: 12:09 PM**

FBI Check came back quick

**From Jennifer Sisbarro to All Panelists: 12:09 PM**

Also, the USDA application says that they only accepts applications from August 1st to October 31<sup>st</sup>

**From Melissa Fayson to All Panelists: 12:09 PM**

what is the doh web address to find applications

**From Larry Smart to Everyone: 12:09 PM**

USDA AMS Hemp Program <https://www.ams.usda.gov/rules-regulations/hemp/information-producers>

**From Tessa Edick to All Panelists: 12:09 PM**

Can you provide link to new application

**From Jeanette Miller to Everyone: 12:11 PM**

<https://www.nyfb.org/membership>

**From joseph calderone to All Panelists: 12:12 PM**

paal : No, they will not if they aren't compliant on testing and fda GMP 3D Party auditors

**From Melissa Fayson to All Panelists: 12:13 PM**

are you all available shld we hit a road block?

**From Declan to Everyone: 12:13 PM**

Could you please repeat your take on regulating smokables?

**From Zach Sarkis to All Panelists: 12:14 PM**

no prerolls or blunts or cigs

**From Jack Hornickel to All Panelists: 12:14 PM**

he said flower can be sold, but pre-rolls are prohibited to discourage combustion

**From Zach Sarkis to All Panelists: 12:14 PM**

but most likely direct flower sales will be legal

**From Trent Sybouts to Everyone: 12:14 PM**

If anyone is interested in obtaining free organic agrochemicals for next year's production, email me @ trentsybouts@gmail.com