Welcome to the first annual Connecticut Hemp Conference and Trade Show. The goal of the conference is to bring together advocates, cultivators, and businesses interested in the hemp industry. The conference will cover healthy soils practices, local policy and regulations, Connecticut field trial results, and innovative production markets. This event is a valuable resource for local producers and farmers who are seeking connections in the state as well as knowledge about local issues and opportunities.
AGENDA

8:45 AM  Welcome – Commissioner Bryan Hurlburt, CT Department of Agriculture; Bonnie Burr, UConn Extension, Tom Morgart, USDA NRCS; Jeanne Davies, CT RC&D; Don Tuller, CT Farm Bureau Association

9:00 AM  Soil Fertility Recommendations for Hemp Production  Dr. Jennifer Gilbert Jenkins, Morrisville State College

9:30 AM  Research Toward All Female and Sterile Hemp  Dr. Jessica Lubell-Brand, UConn

10:00 AM  Break

10:30 AM  No-Till Options for Hemp Production  Jon Anderson, KY Dept. of Fish & Wildlife Resources

11:00 AM  Comparing the Horticultural and Field Crop Models of CBD Production  Dr. Jennifer Gilbert Jenkins, Morrisville State College

11:30 AM  Pest Management: Chemicals Available and Under Consideration by EPA  Candace L. Bartholomew, UConn Extension

NOON  Lunch

1:00 PM  Findings from 2019 Hemp Field Trial in Connecticut  Dr. Walter Krol & Terri Arsenault, CT Agricultural Experiment Station

1:30 PM  Looking Under the Hood of the Cannabis Plant: Molecular Studies of How to Increase End-Product (CBD and THC) Cannabinoid Synthesis in Female Flowers – Dr. Gerald Berkowitz, UConn

1:45 PM  Markets/Processors for Harvested Hemp  David Levine MD, CT Valley Hemp Drying & Extraction and Michael Lupario, Western MA Hemp

2:15 PM  Growers Panel  Colin Decker, Owen Jarmoc, Dr. Becky Goetsch, and Michael Goodenough

3:00 PM  Break

3:15 PM  Cannabinoids Testing (CBD & THC)  Chris Perkins, UConn

3:45 PM  Hemp Manufacturing – Consumables  Attorney Michael Ando, CT Dept. of Consumer Protection

4:05 PM  Hemp Regulation  Carole Briggs & Kate Nelson, CT Dept. of Agriculture

4:30 PM  Social Hour
**JON ANDERSON**  
Kentucky Department of Fish and Wildlife Resources

Jon Anderson is an experienced farmer with first-hand knowledge, working directly with farmers to help them transition into, set up their equipment, and problem solve for no-till transplanting tobacco, and more recently, no-till hemp. Jon is the point of contact for growers when problems arise in field application – and Jon assists them by solving field related issues, either directly or with a networked team established in the greater KY area. The KY No-Till Tobacco grant project is sponsored by Altria and KY NRCS and administered through the National Fish and Wildlife Foundation. Jon is employed by the KY Department of Fish and Wildlife Resources to put the project on the ground. Jon’s work can be seen in different newspaper and magazine write-ups, evening news clips, and online presentations: https://www.coresta.org/sites/default/files/abstracts/2018_TWC65_Brown.pdf

**MICHAEL ANDO**  
Connecticut Department of Consumer Protection

Michael Ando is a staff attorney with Connecticut’s Department of Consumer Protection. As an agency attorney, Michael primarily works on cases involving the Department’s Drug Control Division. Prior to joining the Department Michael spent several years in private practice, where he litigated post-conviction criminal defense cases. He developed a love of consumer issues after law school when he worked at a nationwide consumer protection non-profit organization. Michael received his JD from Quinnipiac University School of Law, and his undergraduate degree from Providence College.

**TERRI ARSENAULT**  
Connecticut Agricultural Experiment Station

Terri Arsenault began her work at the CT Agricultural Experiment Station in 1990 in the Department of Analytical Chemistry. Since beginning work in the department, she has developed considerable expertise in the analysis of samples for semi-volatile components using gas chromatography coupled to a mass selective detector (GC-MS) and other conventional detectors such as flame ionization and electron capture. Work focuses on the analysis of environmental samples such as water, soil, and vegetation submitted by CT Department of Energy and Environmental Protection and produce samples submitted by the CT Department of Consumer Protection for pesticide residues. Additional work includes analysis of food for toxins, beverages for ethanol, pesticide formulations for active ingredient, and solid matrices for PCBs. In 2019 this work was expanded further to the analysis of Cannabis sativa samples for total delta-9 THC on behalf of the CT Department of Agriculture. In addition, Terri has been heavily involved in development and maintenance of the quality management system which is required to maintain accreditation in the ISO/IES 17025:2017 standard.

**CANDACE BARTHOLOMEW**  
University of Connecticut Extension

Candace Bartholomew is the Pesticide Safety Education Program Coordinator for the University of Conn Extension. Candace provides training for the safe, environmentally sound, and effective use of commercial pesticides that are regulated by EPA and the state. She delivers science-based education to people who use pesticides in their profession. Candace works with extension educators across the country, government regulators, and pest managers. Her work has contributed to policies and guidelines of safe pesticide use in the State of Connecticut and nationally.
Cannabis Cultivation has been a part of my life since I was 12 years old. I began in Northern California with my brother who was a Master Grower, and I worked beside him and learned how to organically grow the cannabis plant outdoors. I then founded and ran an 8 acre organic produce farm in NY after graduating high school. In the last two years I started to transition back into the Cannabis Industry which led me to starting my Consulting Agency. I pride myself on always taking the correct approach towards Cultivating, and I remain an advocate of proper technique, Cannabis legalization, and supporting all fellow farmers across the world.

Dr. Jennifer Gilbert Jenkins is an Assistant Professor of Agricultural Science at Morrisville State College in Morrisville New York. Jennifer has earned degrees from UConn and UD in nonpoint source pollution and soil nutrient management. Her research has focused largely on nutrient use efficiency in field crops. Since 2016, Jennifer has been the lead for the industrial hemp program at SUNY-Morrisville. As of this academic year, SUNY Morrisville is also offering Cannabis minor which focuses on all uses of this plant from food and fiber through medicine and recreational extracts. Jennifer’s hemp research has focused on field practices to maximize grain and fiber quality and quantity, both in organic and conventional crop management systems. Other colleagues at SUNY Morrisville are focused on horticultural practices for CBD production, while in 2019 Jennifer added field crop CBD production practices to her research focus. Jennifer holds an annual meeting in NY just for active growers and processors to discuss what growing methods are working, what is not working, and to work to connect the hemp industry supply chain. Currently she is also working to help develop a NY state hemp association as an educational resource for growers, processors, and the general public.
Michael Goodenough is the founder and Chief Technology Officer of D&G Agtek, an Agriculture and Technology Company for the past 5 years. D&G Agtek is a founding member of the North East Sustainable Hemp Association. Mike and his partners are passionate about scientific based research efforts in the Hemp processing industry and have partnered with local universities studying extraction techniques and efficiencies for several years. For more than 20 years, Michael has served on the board of directors for numerous local charities and small businesses. He has created several non-profit organizations, which helped thousands by supporting victims of HIV/AIDS, sheltering the homeless, supplying food pantries, providing assistance to veterans, support for abused women and children, and supporting several youth organizations. Michael is a decorated Marine Corps combat veteran, who brings the same pride and work ethic he displayed in the Armed Services to everything he does for his customers, company and community.

Dr. Walter works at the Department of Analytical Chemistry at The CT Agricultural Experiment Station. Dr. Walter graduated from the Johns Hopkins University in 1991. Dr. Walter has worked at the Connecticut Agricultural Experiment Station (CAES) for the past 21 years in the field of pesticide residue chemistry. Dr. Walter developed a QuEChERS based regulatory enforcement program for the analysis of pesticide residues in food by GC-QQQ and LC-MS-MS. The program was accredited by A2LA to the ISO/IEC 17025:2005 standard in 2016 and to the newer ISO/IEC 17025:2017 standard in 2019. Dr. Walter’s lab co-developed a rapid screen for PAHs in seafood using QuEChERS with HPLC-FLD. Dr. Walter co-developed and co-validated a QuEChERS based GC Triple Quad method for the analysis of five pyrethroid insecticides in lobsters from Long Island Sound. This laboratory currently tests hemp grown in the State for THC content on behalf of the CT Dept. of Agriculture for regulatory enforcement.

Dr. Becky Goetsch earned a doctorate in Molecular Biology from Yale in 2005 focusing on developing advanced methods to study global human gene regulation. After graduating, Dr. Becky spent a decade in the DNA sequencing and genomics-biotechnology sector, first as a scientist and then in various sales/marketing roles. Four years ago, switching gears entirely, leaving the corporate world and joining her partners family farm to run the garden center at Running Brook Farms. They specialize in cultivation of annuals, perennials, and seasonal vegetables. Last year they started a hemp program focusing primarily on boutique smokable hemp flower.

David C. Levine, MD is the owner of Connecticut Valley Hemp Drying and Extraction LLC. He is a retired General Surgeon, Assistant Professor of Surgery and Assistant Dean for clinical education. Dr. Levine’s interest in CBD is based on the potential for clinical benefit in many medical and psychological conditions. Spurred by anecdotal reports and evidence, the medical community is finally embracing the role of novel agents in treating human suffering and disease. Dr. Levine’s intention is to support clinical research to elucidate the mechanisms of action and appropriate use of CBD in clinical and wellness settings. The company is vertically integrated. We partner with local hemp farmers to grow carefully selected seeds and then dry the harvest; extract, distill, and isolate THC free CBD. Our experienced formulation and compounding team will produce a full line of products for private label and consumers. The processing and manufacturing facility is currently in construction. We will be operational, extracting and creating products for retail sale by spring 2020. David has three years experience studying, learning and creating a start up business encompassing a vertically integrated model for the CBD industry in Connecticut and will share his thoughts and perspectives in the Markets Panel discussion.
Dr. Jessica Lubell-Brand is an Associate Professor of Horticulture at the University of Connecticut, with 18 years of experience working with the horticulture industry. Prior to beginning work with hemp, Dr. Lubell’s research was on developing new native shrub crops for the nursery industry. Her hemp research is focused on feminized seed production, tissue culture micropropagation, and breeding improved CBD hemp cultivars.

Michael Lupario of Western MA Hemp Inc. grows and markets hemp and Full Spectrum CBD products. Michael has a degree in Environmental Science from UMass Amherst and a working background in agriculture, all of which helped lead him to his current business. Michael is the President of the company and primarily oversees cultivation and product formulation. The main goal is to produce high quality organic medicine in a fashion which promotes the longevity of the ecosystem and community in which it operates. Western Mass Hemp currently has direct sales through e-commerce, and wholesale outlets available.

Kate Nelson is an inspector with the Connecticut Department of Agriculture but she began her career working with the United States Department of Agriculture. She is a UConn graduate with a bachelor’s degree in Animal Science and experience in agriculture, livestock production, and veterinary medicine. In her spare time, Kate enjoys hiking, fishing, and gardening.

Mr. Perkins is the Laboratory Director of the Environmental Chemistry Laboratories at the Center for Environmental Sciences and Engineering at the University of Connecticut. He has over 25 years of experience in the fields of environmental toxicology and chemistry, as well as in the development of certified analytical services in support of emerging industries in Connecticut, including biofuels and industrial hemp. His research focuses on the use of state-of-the-art instrumentation for analysis of natural systems and biological tissues, including plants, for bioactive compounds.

SHURESH GHIMIRE, University of Connecticut Extension
JAMES HYDE, USDA Natural Resources Conservation Service

AMANDA FARGO-JOHNSON, CT Resource Conservation & Development
ANDREA PERES, CT Resource Conservation & Development
Agrivolution LLC
www.agrivolution.us
info@agrivolution.us
888.789.6587
Agrivolution is a provider of advanced equipment and services in controlled environment agriculture such as horticultural LED grow lights, environmental and irrigation monitoring and control systems. Visit our table to learn how you can increase your yield and quality of hemp!

Brookdale Farm Supplies
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tractortrv@aol.com
603.465.2240
Brookdale Farm Supplies distributes agricultural growing supplies and equipment throughout the Northeast Region. If it grows in the ground, we have the supplies and services needed to produce a successful crop.

Connecticut Greenhouse Co.
www.ctgreenhouse.com
toby@ctgreenhouse.com
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Greenhouse and high tunnel construction renovations and fabrication. Connecticut’s only farmer owned full service greenhouse services company.

Connecticut Hemp Industry Association
www.cthemp.org
trevor.bozeman@ctgreenhouse.com
207.841.3393
CVHDE is a single solution for all hemp drying and extraction needs. We provide cannabinoid potency testing, biomass drying and extraction, oil refinement and THC removal, consulting services, as well as bulk sales of distillate, THC-free distillate and isolate. Our extraction team is led by our PhD chemist and chief scientist who has 15+ years in the cannabis and hemp industry. Stop by our table and let us know what we can do for you!

Arthur Carroll Insurance Agency
www.arthurcarrollcrop.com
ckisselburgh01@msn.net
860.283.6540
The Arthur Carroll Insurance Agency is a leading provider of Crop Insurance throughout the Northeast. We are a family owned business committing 100% of our time to Insuring Agricultural Commodities. We are staying up to date on all the products available for insuring your Hemp Crop. We have over 35 years experience insuring crops, and we would like to help you with your Hemp/risk management needs.

Connecticut Department of Agriculture
agr.hemp@ct.gov
860.713.2502
Public Act 19-3, An Act Concerning A Pilot Program for Hemp, signed by Governor Lamont, authorizes the Connecticut Department of Agriculture to implement a Hemp research program. The Public Act also authorizes DoAg to submit a state plan to the United States Secretary of Agriculture. Once the State Plan is approved by USDA the research program will expire and DoAg will regulate the commercial production of Hemp as an agricultural commodity in conformance with the 2018 Agriculture Improvement Act and the Connecticut Public Act Concerning A Pilot Program for Hemp.

CowPots
www.cowpots.com
amanda@cowpots.com
860.824.7520
Manufactured on our Connecticut dairy farm, CowPots are a natural fit for growing hemp. Made from composted cow manure, CowPots are renewable, recycled, and biodegradable. The porous pot walls allow for unrestricted root growth and encourage air pruning. At transplant, place the entire pot in the ground, no need to crush or tear, eliminating transplant shock. Pot sizes range from 3” to 17”. Grow a better crop with a greener pot!

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Botanical Compliance LLC
www.botanicalcompliance.com
tturner@botanicalcompliance.com
503.554.6443
We’ve got hemp and cannabis compliance covered by providing proven compliance solutions from regulatory experts tailored to fit your business and budget. These include creating SOPs with logs and documented proof to ensure compliance, prepare for inspections, developing compliance processes, and employee training. We also can serve as your outsourced compliance officer - and at a fraction of the cost of an in-house employee. Our clients include growers, processors / manufacturers, distributors, dispensaries, retailers, governments, and vertically integrated multi-state operators.

Connecticut Farm Bureau Association
www.cfba.org
info@cfba.org
860.768.1100
Provides one-on-one support to farmer members. Advocates for agriculture at local, state, and nationally.

Connecticut Hemp Industry Association
www.cthemp.org
The goal of the Connecticut Hemp Industry Association is to help restore dormant family farms in Connecticut and revive rural economies by helping to create a sustainable new industry in our home state.

Connecticut Resource Conservation & Development
www.ctrcd.org
ajohnson@ctrcd.org
860.345.3977
The goal of the Connecticut Hemp Industry Association is to help restore dormant family farms in Connecticut and revive rural economies by helping to create a sustainable new industry in our home state.

Connecticut Department of Agriculture
agr.hemp@ct.gov
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Connecticut Resource Conservation & Development
www.ctrcd.org
ajohnson@ctrcd.org
860.345.3977
Connecticut Resource Conservation & Development (CT RC&D), a statewide nonprofit organization, offers assistance to farmers through numerous programs, including the Soil Health Initiative and CT Farm Energy Program.
Kannaway® is the first direct-marketing company to offer cannabis products to consumers and continues to be an industry leader in the hemp and CBD markets. Kannaway® encourages its international team of brand ambassadors to create their own successful hemp product distribution businesses that will positively impact the health of the people around them. In 2018, the company recorded its most successful year to date with nearly $50M in revenue.

HH2H is a 4th generation farm. We established Hemp growing and processing in 2019. The farm has a year round indoor grow area, and several acres for outdoor growing. We are a Full Service company offering consulting services for those new to growing Hemp. From the 1/4/ acre gardener, to the larger scale farmer, we offer top dollars for purchasing your product or will extract the CBD oil from your hemp for a fee.

Heritage Hemp, LLC was founded with a mission to reintroduce hemp as a cost-effective crop for farmers in New England and to produce the finest quality CBD products on the market. We obtained one of the initial Industrial Hemp Licenses in the state of MA and are proud to be among the first local producers of hemp genetics. We propagate our hemp seeds and clones at our headquarters in Northampton, MA and have a variety of unique cultivars available.

We offer seed to sale consulting services regarding the cultivation of Hemp and Cannabis throughout the United States and abroad. With over 14 years of Cultivation experience and knowledge of various cultivation methods, we aim to build long term relationships with our clients and see them be successful. Sensei Growth Consulting was started by a grower looking to help those in need who want to grow bigger and better.
EXHIBITORS

Sweet Heal

www.sweetheal.com
customerservice@sweetheal.com

Sweet Heal is a farming-based Hemp and CBD producer. We grow, as well as have partnerships with local farmers that produce industrial Hemp to high standards. We select only premium genetics for our CBD Hemp plants. We then process these plants to make our CBD oil. We also sell our oil in bulk form to other manufacturers. Our parent company, D&G, has been operating an Agricultural and Technology Company for the past 4 years. D&G Agtek is a founding member of the North East Sustainable Hemp Association.

Texpak

www.texpak.com
info@texpak.com
516.326.7720

For many years, Texpak has been a leading supplier of standard and RFID tags, labels, slip-ons, and pot stakes to the horticultural industry. In addition, we sell labeling software and printers so our customers can print their own labels. Our systems are ideal for identification labeling and tracking of plants, as well as full color labels that are used on products themselves. Our RFID tags are ideal for the stringent tracking requirements this industry requires.

USDA Natural Resources Conservation Service

https://www.nrcs.usda.gov/wps/portal/nrcs/site/ct/home/james.hyde@usda.gov
860.871.4011

NRCS’s natural resources conservation programs help people reduce soil erosion, enhance water supplies, improve water quality, increase wildlife habitat, and reduce damages caused by floods and other natural disasters. NRCS provides funding opportunities for agricultural producers and other landowners through these programs. For further assistance you can contact your local NRCS field office in Danielson, Hamden, Norwich, Torrington, Windsor or the Tolland State Office.

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You’ve invested a lot of time and energy into growing your small business. When it comes to advisory and consulting services, you want a CPA who is not only an experienced, ethical provider, but also someone you relate to – someone who understands your small business objectives. The Innovative CPA Group will work one-on-one with you – learning the challenges and successes that make your business thrive – in order to make sure your business remains on top.

Working Lands Alliance

www.workinglandsalliance.org
cgazillo@farmland.org
860.768.1100

The Working Lands Alliance is the statewide voice for farmland preservation efforts in Connecticut. Our alliance includes farmers, conservation and anti-hunger organizations, land trusts, local food advocates, and many others working together to protect Connecticut’s most precious resource – its farmland. WLA is a project of American Farmland Trust. Founded in 1980, American Farmland Trust has helped win permanent protection for over a million acres of American farmland. AFT’s hard work and sound strategies unite farmers, environmentalists and policymakers.
RESOURCES FOR GROWERS

**Cornell Hemp Resources**
https://hemp.cals.cornell.edu/hemp-resources/hemp-growing-info

**Penn State Industrial Hemp Production**
https://extension.psu.edu/industrial-hemp-production

**The Ontario Ministry of Agriculture, Food and Rural Affairs’ Hemp Production Fact Sheet**
www.omafra.gov.on.ca/english/crops/facts/00-067.htm

**Rutgers Hemp Production Fact Sheet**
https://njaes.rutgers.edu/fs1312/

**University of Kentucky Industrial Hemp Agronomic Research**
https://hemp.ca.uky.edu

**University of Vermont**
https://www.uvm.edu/extension/nwcrops/industrial-hemp
FOR SALE
+/− 12.3 Acre Nursery/Farm
Active Hemp Grower License

+/− 12.3 Acre Nursery/Farm located in Kensington, CT
Sold with Active Hemp Grower License
Long running facility grows and supplies finished container-grown plant material to green industry professionals including Garden Centers, Nurseries, Landscape Firms, Municipalities and More.

For Additional Information
Please Contact
Wynne Lord (860) 833-3896
Tess Cullen (860) 212-5063

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Thank you for joining us!
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