

# Aquaponic Association 2019 Putting Out Fruits Conference

September 20-22, 2019 Kentucky State University Organic Research Farm 1525 Mills Ln, Frankfort

	STEM/Schools/Research	Commercial/Food Safety	Community/International/All Growers
8:00 - 9:00	Registration		
9:00 - 9:15	Opening Welcome		
9:15 - 9:45	James Tidwell - Feeding the Future, What Role Can Aquaponics Play?		
9:45 - 10:15	Topic Overviews - State of the Aquaponic Industry		
10:15 - 10:30	Coffee break, room reset		
10:30 - 11:15	Ed Tivnan, Alicia Anania, John Dupuis, Kevin Savage - Classroom STEM applications	Ken Rust, James Ebeling - RAS Design and Engineering Principles with Aquaponic Integration	Phil Reasons - Aquaponics in the Developing World, Project Case Studies
11:15 - 11:45	Jeffrey Boyer - Theory to Practice Sustainability Education at a Career University	Juli Ogden - The Farm Plan/GLOBAL.G.A.P. Made Simple	Shumin Wang - Aquaponics Development in China
11:45 - 12:30	Janelle Hager, Todd Guerdat, D. Allen Pattillo, Hennen Cummings - Creating Research Community and Standards for Aquaponics Panel	Shawn Lucas, Tony Silvermail, Julie Flegal-Smallwood, John von Tungeln, Rick Kenegy - HEMP From Aquaponics to Field Production	Reese Hundley and Robert Arnhold - Aquaponics Education and Job Training for People with Disabilities
12:30 - 1:15	Lunch - unprogrammed opportunity to socialize, network, meet vendors		
1:15 - 2:00	James Ebeling, Kenneth Thompson - Engineering and Design for Project Based High School STEM	Joe Pate, Rob Tolette, John von Tungeln, JD Sawyer - Farm Design to Installation	Darynne Lee, Aaron Imhoff, Phil Reasons - Challenges and Opportunities in the Developing World
2:00 - 2:30	STEM Moderated Break Out Discussions	Commercial Moderated Break Out Discussions	Community Moderated Break Out Discussions
2:30 - 3:00	KSU Organic Farm Walking Tour - Shawn Lucas PhD		
2:40, 3:10, 4:10	Buses from Conference Center to Food Chain in Lexington, people with cars please drive and offer rides		
3:00 - 5:30	Food Chain Tours - 501 W 6th St, Lexington, Ky 40508 - 30 minute tour rotation (sign up for time slot)		
6:00 - 7:30	Join up with friends old and new for Happy Hour, Dinner on your own in Lexington		
6:00, 6:30, 7:30	Buses return from Lexington to Capital Plaza Hotel		

SATURDAY	STEM/Schools/Research	Commercial/Food Safety	Community/International/All Growers
8:00 - 9:00	Registration		
9:00 - 9:30	Janelle Hager, Allen Pattillo, Terry Hanson, David Cline - Aquaponics Industry Survey		
9:30 - 9:45	Coffee break, room reset		
9:45 - 10:15	Josh Dusci - Freshwater Prawn for Solids Filtration	Nick Savidov, Juli Ogden - Food Safety Considerations US and Canada	Jill Fisk - Brackish-water Aquaponics for Edible Crops
10:15 - 10:45	Todd Guerdat - Farm-scale aquaponics research for real-world applications	Murray Hallam - International Case Studies	Stan Crisp - Energy Production, Conservation and Greenhouse Cooling
10:45 - 11:15	Joseph Tetreault - Naturally Derived Nutrients in RAS Microbial Digestion	Carlos Leon - Advances on Design and Operation of Hybrid Aquaponic Tilapia, Shrimp and Veggies	Rob Torcellini - Whats the best type of Greenhouse?
11:15 - 11:45	Sean Fogarty - Microbial communities and food safety in coupled aquaponics	Ryan Chatterson - Designing for Profit	Ed Favilla, Ed Tivnan, Murray Hallam - Best Practices for Backyard Bandits
11:45 - 12:15	Ashutosh Rao - Potassium K:Na management in RAS	JD Sawyer - Financial Planning for Farming Success	Bucky Buchstaber, Aaron Imhof - Aquaponics and Social Impact
12:15 - 1:00	Lunch - unprogrammed opportunity to socialize, network, meet vendors		
1:00 - 1:45	Nick Savidov - Research and Community Outreach Development at Lethbridge College	Tawnya Sawyer - Marketing Your Product for Farm Success	MD ASDUJJAMAN - Aquaponics Research and Food Safety from People's Republic of Bangladesh
1:45 - 2:00	Buses to KSU Aquaculture Facility 103 Athletic Dr., People with cars please drive and offer rides		
2:00 - 5pm	Hands on tour activities - KSU Aquaculture - six - 25 miunte stations of different KSU facilities, be sure to stay with your group and do each station		
5:00, 5:30	Buses from KSU Aquaculture to Capital Plaza Hotel, People with cars can drive and park at the hotel		
5:30 - 6:30	Happy Hour Capital Plaza Hotel - 405 Wilkinson Blvd		
6:30 - 7:00	Mac McLeon - Aquaponics in Prisons (TED TALK)		
7:00 - 9:00	Buffet Dinner		
	Charlie Shultz - Industry and system evolution		

SUNDAY	STEM/Schools/Research	Commercial/Food Safety	Community/International/All Growers
9:00	Arrival - Vendor networking		
9:00 - 9:30	Pedro Casas - SFCC Greenhouse Update, James Taylor - Solar Thermal Cooling Project	Daniel Wells - Nutrient Management in Aquaponics	Matt Randall - Growing Specialty Items in Aquaponics
9:30 - 10:00	Dr. Steve Gomez - Nanogrid Technology and Algae at SFCC	Steve Raisner - Probiotic and Beneficial Insects in Pest Management	Brian Cao - Case Study - Aquaponics in China
10:00 - 10:15	Coffee Break		
10:15 - 11:00	Kevin Savage, Sarah Sanders - Building Business Principles in STEM Curriculum Panel	Brandon Yep, Steve Raisner, Kaben Smallwood - Cannabis Cultivation Panel	Rob Torcellini, Stan Crisp - Environmental Controls
11:00 - 11:45	STEM Working Group	Commercial Working Group	Community Working Group
11:45 - 12:00	Room reset - visit vendors, pick up lunch		
12:00 - 12:45	Lunch - Presentation: Creating the Aquaponics Economy -- Brian Filipowich (15) Open panel discussion		
12:45 - 2:00	Members Meeting		