

ASCPC 2018

Advances in Sugar Crop Processing and Conversion

Bi-annual technical conference of the USDA Sugar and Energy Research Project. **Registration:** https://www.regonline.com/USDA_ASCPC2018
* Late registration begins March 23rd.

Half day workshop (May 17th): Liquid sweetener and Beverages with Doug Bice of USCP.

Sweet Sorghum Association (SSA) (May 17th) Annual Meeting Thursday afternoon.

Field trip (May 18th): Rum distillery and the SRRRC USDA-ARS pilot plant.

Conference Objectives: To create, investigate and promote the use of sugar crops (sugarcane, sweet sorghum and energy beet) for processing and conversion into food and energy.

Further conference announcements or additional information can be obtained at: www.ars.usda.gov/ASCPC or please contact:

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May 16th

Key Note Speaker:

Dr. Ed King - Retired Area Director, USDA –ARS. USDA Sugar Crop Research Overview.

Invited Speakers:

- ❖ **Herman Waguespack Jr. - American Sugar Cane League.** Overview of the U.S.A. Sugarcane Industry.
- ❖ **Doug Bice - United Sorghum Checkoff Program.** Update on Sorghum and Sweet Sorghum Industries in the U.S.A.
- ❖ **Christopher Aurand - Sr. Expert Innovation Global Sourcing Mitr Phol.** Impact of the Bioeconomy on Thailand's Sugar Crop Agro-Industry.
- ❖ **David Johnston - USDA-ARS-ERRC.** Evaluation of Sweet Sorghum Juice for the Production of Lysine using *Corynebacterium glutamicum*.
- ❖ **Benhur Pabon - CarboSolutions International.** Processing Aids for Carbonatation Improvement in Sugar Refineries.
- ❖ **Matt Heckemeyer - Heckemeyer Mill, Sikeston Mo.** Developing a Large Scale Sweet Sorghum Industry in the U.S.A.
- ❖ **Dr. Isabel Lima - USDA-ARS- SRRRC, New Orleans LA.** Effect of Sugar Crop Feed Source and Pyrolysis Conditions on Sugarcane Bagasse Biochar.
- ❖ **Roddy Hulett - American Biocarbon.** Update on Sugarcane De-trashing.
- ❖ **John Sanders - Carus Corporation.** Using Sodium Permanganate as a Processing Aid in Louisiana Factories.
- ❖ **Dr. Stephanie Boone - USDA-ARS-SRRRC, New Orleans LA.** Practical Use of Soybean Oil to Stabilize and Store Medium to High Brix Sweet Sorghum Syrups.
- ❖ **Giovanna Aita - Audubon Sugar Institute, St Gabriel LA.** Lignocellulosic Syrup from Energy Crops
- ❖ **Marsha Cole - Louisiana Tech University.** Development of an Industrial Starch Method to Quantify Total Soluble, and Insoluble Starch in Sugar Manufacturing Products.
- ❖ **Charles Clayton & Andrew Wierdak – Tulane University.** Use of Powdered Activated Carbon to Remove Color in Beet Streams.
- ❖ **Luis Bento - Louisiana State University Ag-Center-** How Beet Factories Adapt to Raw Sugar Processing During off Season

May 17th

Key note Speaker:

Dr. Jonathan Male - DOE Director. DOE and Energy Sugar Crops Research.

Liquid Sweetener and Beverage Workshop:

- ❖ **Dr. Gillian Eggleston - USAD-ARS –SRRRC, New Orleans LA.** The Nature of Flocc Problems in Alcohol Beverages, and Sweeteners, with Cane Sugars and Solutions to Remove them.
- ❖ **Dr. Karen Bett-Garber - USDA-ARS-SRRRC New Orleans LA.** Flavors of Commercial Liquid Sweeteners.
- ❖ **Mary Godshall – Liquid Sweeteners in Non-alcoholic Beverages.**
- ❖ **Les Pfahl – Asst. VPD of Processing Bacardi.** Specifications for Alcohol Beverages Sweetened with Sugars.

Sweet Sorghum Association Symposium (SSA).

- ❖ **Dr. Maureen Wright - USDA-ARS-SRRRC, New Orleans.** Stabilization of Sweet Sorghum Bagasse for Novel Application Using Compacting and Ensiling.
- ❖ **Ryan Stoklosa- USDA-ARS-ERRC Philidelpha.** Improving Sweet Sorghum Juice Fermentation to Produce Astaxanthin from *Phaffia rhodozyma*.
- ❖ **Joe Knoll, Karen Harris-Shultz, and Xinzhi Ni- USDA, ARS -Tifton, GA.** Update on Sugarcane Aphid Management in Sweet Sorghum and Breeding for Resistance.
- ❖ **Randy Powell - Delta Bio-Renewables, Memphis Tenn.** Sugarcane Aphid Mitigation for Sweet Sorghum.
- ❖ **Hal Debor – Debor Consulting – Sweet Sorghum Co-product Optimization.**
- ❖ **Joe Knoll et. al. – USDA – ARS- Tifton, Ga. -** Update on Sugarcane Aphid Management in Sweet Sorghum and Breeding for Resistance.
- ❖ **Javier Tonatta - EEAOC, Tucuman Argentina –** Effect of Flowering Inhibitors on Total Sugar Accumulation of Sweet Sorghum in Tucuman.

Field Trip – May 18th, 2018. Tour of Old New Orleans Run Distillery and SRRRC pilot plant.

ASCPC 2016 peer reviewed Proceedings ISBN# 978-1-64136-072-2 are available for \$175.

To purchase: www.constant@amscl.org

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