

40th Annual Joint Meeting



Florida and Louisiana Divisions

June 16 - 18, 2010

*Bay Point Marriott
Golf Resort & Spa
Panama City Beach, FL*



"Organized for the Advancement of Mainland Cane Sugar"





*American Society of Sugar Cane Technologists
Florida and Louisiana Divisions
40th Annual Joint Meeting*

Freddie Martin, General Secretary-Treasurer
Neil Glynn, Program Chairman



Wednesday, June 16^h

2:00-5:00	Registration	<i>(Foyer – Camellia room)</i>
	Pick up pre-registration packets	
2:00-5:00	Exhibits Open / Coffee Available	<i>(St. Andrews Ballroom III & IV)</i>
4:30	Prize Drawings	<i>(St. Andrews Ballroom III & IV)</i>
6:00-7:00	Exhibitor’s Welcome Reception	<i>(St. Andrews Ballroom III & IV)</i>
6:30	Prize Drawings	<i>(St. Andrews Ballroom III & IV)</i>



**Red theater tickets to be used for
Exhibitors’ Prize Drawings**
*See program for times.
Tickets will be good for entire meeting.
Must be present to win.*



Thursday Morning, June 17th

- 8:00 Registration** (*Foyer – Camellia room*)
8:00-6:30 Exhibits Open / Coffee Available (*St. Andrews Ballroom III & IV*)
8:15 Early Bird Prize Drawings (*St. Andrews Ballroom III & IV*)

9:00 Plenary Session (St Andrews Ballroom I & II)

Greetings and President’s Message
Carlos Marin, Florida Division President

Welcome and President’s Message
John Gay, Louisiana Division President

General Secretary-Treasurer’s Report
Freddie Martin

General Business
Denver T. Loupe Best Presentations (2009)—Ryan Viator
Introductions and Announcements
Program—Neil Glynn, Chairman
Journal Report—Ryan Viator, Editor
Website Report—Freddie Martin, Webmaster

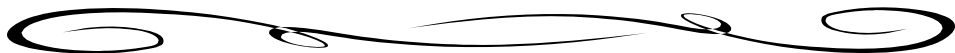
Coffee Break/Prize Drawings (*St. Andrews Ballroom III & IV*)

General Business (continued)
ISSCT Report—Jeff Hoy, ISSCT Councilor
& Freddie Martin, ISSCT Executive Committee
ASSCT Joint Meeting 2011
John Gay, Louisiana Division President
ASSCT Joint Meeting 2012
Carlos Marin, Florida Division President

Keynote Speaker
Silvia Morell Alderman, Attorney at Law
Akerman Senterfitt Law Firm, Tallahassee, Florida
“Obama’s EPA: Close Encounters with the Politics of Change”

Thursday Meal and Social Functions

- 9:00 Ladies Get Acquainted Coffee** (*Grand Lagoon Deck*)
11:45 Luncheon (tickets required) (*St. Andrews Ballroom III & IV*)
6:30 Social Hour (cash bar) (*St. Andrews Foyer*)
7:30 Banquet (tickets required) (*Grand Lagoon Ballroom A – D*)






Thursday Afternoon, June 17th

Agricultural Session I

St. Andrews Ballroom I

(Concurrent with Agricultural Session II and Manufacturing Session I)

- 1:25** Windell Jackson, Presiding
- 1:30** Sugarcane Rust Mite, *Abacarus Sacchari*: an Old World Pest Attacking Sugarcane in the New World - G. S. Nuessly, J.C. Comstock, D. Zhao, W.R. Davidson, C. Welbourne, and R. Ochoa
- 1:50** Sampling for Wireworms at Sugarcane Planting - R. Cherry, P. Grose, and E. Barbieri
- 2:10** Sugarcane Genotype Tolerance to Wireworms - B. Glaz, G. S. Nuessly, and R. Cherry
- 2:30** Effects of Sugarcane Harvest and Tillage Practices on Lesser Cornstalk Borer Damage and Yield - H. S. Sandhu, G. S. Nuessly, R. H. Cherry, R. A. Gilbert, and S. Webb
- 2:50** Identification of Physiological Traits for Early Detecting Water Deficit Stress in Sugarcane - D. Zhao, B. Glaz, and J. Comstock
- 3:10** Coffee Break (*St. Andrews Ballroom III & IV*)
- 3:30** Organic Farming in Sugarcane - M. Umer , M. Bilal , and A. Ali
- 3:50** Phosphorus Soil Test Calibration for Sugarcane Grown on Everglades Histosols - J. M. McCray, R. W. Rice, Y. Luo, and S. Ji
- 4:10** Eptam in Sugarcane: Incorporation Methods, Weed Control, and Economics - J. Mite, J. L. Griffin, J. M. Boudreaux, and M. E Salassi
- 4:30** Sugarcane Yield Monitors - R. R. Price, R. Johnson, and R. Viator
- 4:50** Long-term Effects of Post-harvest Residue Management in Louisiana (Three Production Cycles) - H.P. Viator
- 




Thursday Afternoon, June 17th

Agricultural Session II

Spanish Moss A & B

(Concurrent with Agricultural Session I and Manufacturing Session I)

- 1:25** John Larsen, Presiding
- 1:30** **CP-Cultivar Development Program: Challenges and Responses** - J. C. Comstock, A. del Blanco, S. Edme, D. Zhao, N. Glynn, B. Glaz, R. Gilbert, and R. W. Davidson
- 1:50** **Repeatability of Sugarcane Selection on Sand and Organic Soils** - I.A. de Blanco, N.C. Glynn, R.W. Davidson, J.C. Comstock, S. B. Milligan, B. Glaz, S.J. Edmé and M.S. Irely
- 2:10** **Assessing the Quantitative and Molecular Changes in the Florida Sugarcane Breeding Program** - S. J. Edmé
- 2:30** **L 01-299 – A New Sugarcane Variety for Louisiana** - K. Gravois, M. Pontif, K. Bischoff, T. E. Reagan, J. Hoy, and C. Kimbeng
- 2:50** **L 03-371 – A New Sugarcane Variety for the Louisiana Sugar Industry** - M. Pontif, K. Bischoff, K. Gravois, G.L. Hawkins, T. E. Reagan, J. Hoy, and C. A. Kimbeng
- 3:10** **Coffee Break** (*St. Andrews Ballroom III & IV*)
- 3:30** **Second-Generation Sequencing for Marker Development in Sugarcane** - N. C. Glynn, R. W. Nipper, and P. J. Brown
- 3:50** **Development of a Genetic Linkage Map for Louisiana Sugarcane: New Microsatellite (SSR) DNA Markers Identified For LCP 85-384** - Y.-B. Pan and P. Liu
- 4:10** **Searching for DNA Markers Associated with Sugar Content in Sugarcane** - P. Liu, Y.-B. Pan, M. P. Grisham, T. L. Tew, W. H. White, and E. P. Richard, Jr.
- 4:30** **Genetic Analysis of the Sugarcane (*Saccharum* hybrids spp.) Cultivar ‘LCP 85-384’: II. Identification of Quantitative Trait Alleles for Starch Content** - A. Suman, M. M. Zhou, Y.-B. Pan, and C. A. Kimbeng
- 4:50** **Towards the Molecular Characterization of Lignin-related Genes in the *Saccharum* Complex** - J. Arro, K. Ali, S. Andru, N. Baisakh, and C. A. Kimbeng
- 



Thursday Afternoon, June 17th
Manufacturing Session I

St. Andrews Ballroom II
(Concurrent with Agricultural Sessions I and II)

- 1:25** Mike Comb, Presiding
- 1:30** Recent Developments in Sugarcane Agriculture that Affect Processing - B. L. Legendre
- 1:50** Entrainment Losses in Louisiana Sugar Factories - H. Birkett and J. Steir
- 2:10** New Approach to Fluid Distribution in the Industrial Clarifiers - V. Kochergin, and C. Gaudet
- 2:30** To Add Milk of Lime or Lime Saccharate in Hot Lime Clarification – That is the Question - G. Eggleston, D. Legendre, K. Pontif, and G. Nolan
- 2:50** Iron Mediated Clarification and Decolorization of Sugar Cane Juice: A Pilot Test - L. R. Madsen, and D. F. Day
- 3:10** Coffee Break (*St. Andrews Ballroom III & IV*)
- 3:30** Thermophilic Anaerobic Digestion of Cane Sugar Filter Cake - P. Horecký and M. Saska
- 3:50** Why Ethanol? Butanol Production and the Raw Mill. – D. Day
- 4:10** Biodiesel from Algae as an Alternative for Sugar Mill Sustainability - V. Kochergin and M. Suhr
- 4:30** Comparative Study of Multiple Energy Crops for Cellulosic-Ethanol Production - M. Kim and D.F. Day


Poster Session

On Display in St. Andrews Foyer (4:30 – 6:00)

Research on How Mannitol Affects Sugar Crystallization in Raw Sugar Manufacture - J. W. T. Yen, C. Alexander, and G. Eggleston

Evaluation of New Energy Cane Varieties for Louisiana - H. Rukavina, E.O. Dufrene, A. L. Hale and T. L. Tew

Effect of Residue Management on Atrazine Retention and Sugarcane Yield - H. M. Selim, A. Arceneaux, E. Ferguson, and R. L. Bengtson





Friday Morning, June 18th
Agricultural Session III
St. Andrews Ballroom I

(Concurrent with Agricultural Session IV & Manufacturing Session II)

- 8:25** John Larsen, Presiding
- 8:20** **Biomass Yields and Fiber Concentration of Energycane and Giant Reed Grown on Sandy Soils in Florida** - P. H. Korndorfer , R. A. Gilbert , Z. R. Helsel ,J. E. Erickson , and L. E. Sollenberger
- 8:40** **Economic Feasibility of Growing Sugarcane and Energycane for Energy on the Mineral Soils of Southern Florida** - J. Álvarez, Z.R. Helsel, L.E. Baucum, R.W. Rice, and R.A. Gilbert
- 9:00** **Biological Models for Surveillance of Sugarcane Pests: *Diatrea saccharalis*, *Aeneolamia* spp and *Schistocerca piceifrons piceifrons* Walker in La Huasteca Region, Mexico** – G. Galindo-Mendoza, C. Aldama-Aguilera, L. Olvera-Vargas, H. López-Vázquez, M. Algara-Siller and N. Aguilar-Rivera
- 9:20** **The CASUPRO Sugarcane Simulation Model** - F.S. Royce, F.R. Marin, J. Shine, F. Villegas and J.W. Jones
- 9:40** *Coffee Break (St. Andrews Ballroom III & IV)*
- 10:00** **Improving Estimation of Commercial Sugarcane Yields in South Florida** - J. M. Shine, Jr., R. A. Gilbert, and J. W. Jones
- 10:20** **Sugarcane Modeling Applied to Brazilian Production Systems: Parameterization and Evaluation of Predictions of DSSAT/CANEGRO**
F. R. Marin, J. W. Jones , F. Royce , C. Suguitani, W.J. Pallone, and D.S.P. Nassif
- 10:40** **Artificial Neural Network Model for Predicting Yield in Sugarcane Seedling Populations** - M. M. Zhou, C. A. Kimbeng, T. L. Tew, K. A. Gravois and K. P. Bischoff
- 11:00** **Effect of Planting Techniques and Seeding Densities on Growth and Yield Performance of Spring Planted Sugarcane (*Saccharum officinarum* L.)** - M. Bilal, M. Umer, and M. Maqsood
- 11:30** **Awards – Denver T. Loupe Best Presentations
ASSCT Door Prizes**
** *St. Andrews Ballroom I - Must be present to win* **



Friday Morning, June 18th
Agricultural Session IV
St. Andrews Ballroom II

(Concurrent Session with Agricultural III and Manufacturing Session II)

- 8:15** Windell Jackson, Presiding
- 8:20** Comparing the Natural Spread of Sugarcane Yellow Leaf Virus in Florida to Its Natural Spread in Louisiana – M. P. Grisham, J. C. Comstock, and J. L. Flynn
- 8:40** Isolation and Characterization of Resistant Gene Analogs from RSD Resistant and Susceptible Sugarcane Clones: A Progress Report - U. Hameed, Y. -B. Pan, M. P. Grisham, and J. Iqbal
- 9:00** Leaf Scald Resistance Screening in Sugarcane Using a qPCR Approach
F. F. Garces, J. W. Hoy, and C. F. Savario
- 9:20** A High-Throughput In Vitro Propagation System for Sugarcane Using Apical Meristems - V. Sharma, G. M. Acuna, M. Damaj, and N. M. El-Hou
- 9:40** Coffee Break (*St. Andrews Ballroom III & IV*)
- 10:00** Evaluation of Brown Rust Resistance in the Louisiana Basic Breeding Program's First Clonal Trial - A. L. Hale, E. Dufrene, and M.P. Grisham
- 10:20** Identification of RAPD Marker Associated With Brown Rust Resistance in Sugarcane - K. Muhammad, Y.-B. Pan, M. P. Grisham, and J. Iqbal
- 10:40** A Comparison of Orange Rust Epidemics in Florida During 2008 and 2009 and Their Influence on Yield - R. N. Raid, J.C. Comstock, and N.C. Glynn
- 11:00** Risk assessment of Sugarcane Orange Rust (*Puccinia kuehnii*) in La Huasteca Region, Mexico - G. Galindo-Mendoza, C. Aldama-Aguilera, L. Olvera-Vargas, H. López-Vázquez, M. Algara-Siller and N. Aguilar-Rivera
- 11:30** Awards – Denver T. Loupe Best Presentations
ASSCT Door Prizes

**** St. Andrews Ballroom I - Must be present to win ****



Friday Morning, June 18th
Manufacturing Session II
Spanish Moss A & B

(Concurrent with Agricultural Sessions III and IV)

8:10 Leo Gonzalez, Presiding

8:15 Exhibitors' Presentations

Manufacturing Roundtable

9:40 *Coffee Break (St. Andrews Ballroom III & IV)*

10:00 Manufacturing Roundtable - continued

11:30 Awards – Denver T. Loupe Best Presentations
ASSCT Door Prizes

*** St. Andrews Ballroom I - Must be present to win ***



Senior Authors
ASSCT 40th Annual Joint Meeting
Bay Point Marriott Resort and Spa, Panama City Beach, Florida

J. Alvarez	Everglades Research and Education Center, University of Florida
J. Arro	School of Plant, Environmental, and Soil Sciences, LSU AgCenter
M. Balal	University of Agriculture, Faisalabad, Pakistan
H. Birkett	Audubon Sugar Institute, LSU AgCenter
R. Cherry	Everglades Research and Education Center, University of Florida
J. Comstock	USDA-ARS, Florida Sugarcane League, Clewiston, FL
D. Day	Audubon Sugar Institute, LSU AgCenter
I. del Blanco	USDA-ARS Sugarcane Field Station, Canal Point, FL
S. Edmé	USDA-ARS Sugarcane Field Station, Canal Point, FL
G. Eggleston	USDA-ARS-SRCC, New Orleans, LA
G. Galindo-Mandoza	Universidad Autónoma de San Luis Potosí San Luis Potosí S.L.P. México
F. Garces	Plant Pathology and Crop Physiology, LSU AgCenter
B. Glaz	USDA-ARS Sugarcane Field Station, Canal Point, FL
N. Glynn	USDA-ARS Sugarcane Field Station, Canal Point, FL
K. Gravois	Sugar Research Station, LSU Ag Center
M. Grisham	USDA-ARS, Sugarcane Research Laboratory, Houma, LA
A. Hale	USDA-ARS, Sugarcane Research Laboratory, Houma, LA
U. Hameed	School Biological Science., Univ. of Punjab, Lahore, Pakistan
M. Kim	Audubon Sugar Institute, LSU AgCenter
V. Kochergin	Audubon Sugar Institute, LSU AgCenter
B. Legendre	Audubon Sugar Institute, LSU AgCenter
P. Liu	USDA-ARS, Sugarcane Research Laboratory, Houma, LA
L. Madsen	Audubon Sugar Institute, LSU AgCenter
F. Marín	Embrapa Agriculture Informatics, Campinas, SP, Brazil
J. McCray	Everglades Research and Education Center, University of Florida
J. Mite	School of Plant, Environmental, and Soil Sciences, LSU AgCenter
K. Muhammad	School Biological Science., Univ. of Punjab, Lahore, Pakistan
G. Nussley	Everglades Research and Education Center, University of Florida
Y. Pan	USDA-ARS, Sugarcane Research Laboratory, Houma, LA
M. Pontif	Sugar Research Station, LSU Agricultural Center
R. Price	USDA-ARS, Sugarcane Research Laboratory, Houma, LA
R. Raid	Everglades Research and Education Center, University of Florida
F. Royce	Agricultural and Biological Engineering, University of Florida
H. Rukavina	USDA-ARS, Sugarcane Research Laboratory, Houma, LA
H. Sandhu	Everglades Research and Education Center, University of Florida
M. Saska	Audubon Sugar Institute, LSU AgCenter
H. Selim	School of Plant, Environmental, and Soil Sciences, LSU Ag Center
V. Sharma	Texas A&M, Texas AgriLife Research, Weslaco, TX
J. Shine	Sugar Cane Growers Cooperative of Florida
A. Suman	School of Plant, Environmental, and Soil Sciences, LSU Ag Center
M. Umer	University of Agriculture, Faisalabad, Pakistan
H. Viator	Iberia Research Station, LSU AgCenter
J. Yen	USDA-ARS-SRCC, New Orleans, LA
D. Zhao	USDA-ARS Sugarcane Field Station, Canal Point, FL
M. Zhou	South African Sugarcane Research Institute

AMERICAN SOCIETY OF SUGAR CANE TECHNOLOGISTS OFFICERS

Florida Division

Office

Louisiana Division

Carlos Marin

Sugar Cane Growers Coop of FL
P.O. Box 666
Belle Glade, FL 33430

President

John Gay

St. Louis Planting, Inc.
58905 St. Louis Road
Plaquemine, LA 70764

Ron Rice

University of Florida/IFAS
UF/IFAS Palm Beach Co. Ext.
2976 State Road 15
Belle Glade, FL 33430

1st Vice President

Charles E. Schudmak
Cora Texas Company, LLC
P.O. Box 280
32505 LA Hwy 1 South
White Castle, LA 70788

Aubrey Trotman

Sugarcane Growers Coop of FL.
PO Box 666
Belle Glade, FL 33430

2nd Vice President

Jeff Hoy
LSU Dept of Plant Pathology
302 Life Sciences Bldg
Baton Rouge, LA 70803

John Larsen

United States Sugar Corporation
111 Ponce DeLeon Avenue
Clewiston, FL 33440

**Chairman
Agricultural
Section**

Windell Jackson
American Sugar Cane League
206 E. Bayou Road
Thibodaux, LA 70301

Leo Gonzalez

Florida Crystals-Osceola
P.O. Box 679
Pahokee, FL 33476

**Chairman
Manufacturing
Section**

Mike Comb
LA Sugar Cooperative
6902 Resweber Highway
St. Martinville, LA 70582

Billy Sanchez

Florida Crystals-Osceola
P.O. Box 679
Pahokee, FL 33476

**Chairman
At-Large**

Ben Legendre
Sugar Research Station
5755 LSU Ag Road
St. Gabriel, LA 70776

Barney Eiland

Florida Crystals
P.O. Box 86
South Bay, FL 33493

Past President

Gus Legendre
Lafourche Sugars, LLC
141 Leighton Quarters Rd.
Thibodaux, LA 70301

Secretary-Treasurer

Les Baucum

University of Florida/
IFAS Hendry County Extension
PO Box 68
LaBelle, FL 33975

Secretary

Kenneth Gravois

Sugar Research Station
5755 LSU Ag Road
St. Gabriel, LA 70776

Treasurer

Denver T. Loupe

LSU AgCenter
P.O. Box 25100
Baton Rouge, LA 70894

Website: www.assct.org

General Secretary-Treasurer

Freddie Martin

LSU AgCenter
P.O. Box 25100
Baton Rouge, LA 70894

E-mail: assct@assct.org



**Important
DATES!**

Upcoming ASSCT Meetings:

Louisiana Division

February 7 - 9, 2011

Lafayette Hilton and Towers

Lafayette, LA

Florida Division

September 24, 2010

UF/IFAS Everglades Research and Education Center

Belle Glades, Florida

Joint Division

June 8 - 10, 2011

Sheraton New Orleans Hotel

New Orleans, LA