Sugarcane Crop Germplasm Committee

Minutes of the Meeting held at the Bonita Springs, Florida

June 17, 2014

**Attendants (arranged alphabetically):**

Baisakh, Niranjan Kuhn, David

Comstock, Jack LaBorde, Chris

Davidson, Wayne Legendre, Ben

El-Hout, Nael Luzuriaga, Diego

Fontenot, Dexter Maroon-Lango, Clarissa

Gordon, Vanessa McCord, Per

Gravois, Kenneth Mollov, Dimitre

Grisham, Michael P. Pan, Yong-Bao

Hale, Anna Pontif, Michael

Hoy, Jeff Richard, Charley

Irey, Mike Shine, Jim

Jackson, Windell Waguespack, Herman

Kiezerweerd, Amber Wisler, Gail

Kimbeng, Collins

**Listening In by Teleconference:**

Bretting, Peter Kinnard, Gary Sandhu, Hardev

Introductions – Sugarcane Crop Germplasm Committee

Minutes – Motion to approve by Kenneth Gravois and seconded by Jim Shine. Approved

National Germplasm Resources Laboratory Report – Dimitre Mollov and Gary Kinard via phone Beltsville, MD

* Asked to send a copy of meeting for posting on the web site
* Send a roster of members as well
* New format for CGCs vulnerability reports for Crop Vulnerability statements
* Report was sent as a handout (please reference as the speaker proceeds)
* Dimitre Mollov is a pathologist and is initiating projects within sugarcane. He is asking for our guidance and assistance.
* Gary Kinard and Dimitre Mollov are ARS with a research emphasis and work closely with Clarissa who deals with more regulatory issues as an APHIS employee.
* Dimitre Mollov will work with Fiji disease and Ramu stunt

NPL Report – Peter Bretting via phone

* See report that was sent earlier (color version)
* Sugarcane not included in food security discussions, although U.S. is not a part of the treaty. Senate has not approved however.
* Emphasis on international partnerships

Report on Sugarcane Quarantine and Related Research Activity at Beltsville – Clarissa Maroon-Lango

* PowerPoint update on sugarcane quarantine and related research activities. Handout as well.
* Note Table 1. That lists the clones and status of each clone in Beltsville
* 17 clones release
* 65 clones potential for release in 2015
* Much interest in importing clones of *Miscanthus* and bamboo
* Interest in deep sequencing when studying clones of unknown origin

Report on the Status of the World Collection at SHRS, Miami – Tomas Ayala Silva, USDA-ARS, Miami, Florida

* Power point presentation
* *Miscanthus* was added to repository
* Approximately 1,300 accessions – 350 for *S. spontaneum*, which was replanted in 2012
* Field clones was replanted in April / May 2014
* Weak clones were replanted in the greenhouse as a precaution to losing in the field
* 100 clones estimated to be in Fort Collins, CO - 22 with cryopreservation
* Re-introduction of clones lost to cold weather.
* 140 clones received through quarantine from Barbados and Guadeloupe.
* 125 clones requested from Coimbatore (denied)
* Clones were screened for Sugarcane Yellow Leaf and orange rust
* 2011 – 2014 was a time of great interest in receiving clones from World Collection in Miami
* Jim Shine requested a list of recipients of clones from the World Collection in Miami.
* Tomas Ayala Silva has analyzed and characterized seedling germination from seed that was cryopreserved in Fort Collins.
* Appreciate good work from Tomas Ayala Silva

2013 Funded Project – Seed transmission Study - Amber Kiezerweerd, USDA, Houma

* See handout (paper) for general conclusions

Importation of Fuzz (true seed) – Clarissa Maroon-Lango

* Two examples of seed importation using potato and prunes
* Have looked at adapting aspects of the potato procedure for sugarcane.
* Looked at handout
  + Germ fuzz, test seedling for mosaic and two other virus, grown under quarantine and then release to another field
* Mike Irey – wants to have an import permit that is not restrictive but not too inclusive (see Mike Irey’s e-mail.
* Permit rules could be set up by geography for initial sugarcane true seed coming in.
* Monitor the country of origin and known diseases within the region
* Clarissa Maroon-Lango will do specific tests and not all PCR tests are specific
* Can be done on a country-by-country bases, but this will take time because APHIS requires some testing.
* Establish protocols – who will do it? Permit holder should do it. APHIS inspects the labs of those outside of APHIS (state is involved as well).
* Number of crosses to be decided by the CGC group facilities (capacity) will determine size of permit.
* Mike Irey: Who is in charge of protocols? APHIS will share protocols
* Have to agree on list of pathogens to test for
* 3 main viruses: Mosaic, Streak Mosaic and Fiji disease for a minimum to begin larger deregulated importation of fuzz.
* Mike Irey will provide a step by step plan for fuzz (true seed) importation conditions. He will pass out to all CGC members for approval at a later date. Motion by Jim Shine to approve and seconded by Per McCord

Nomination of Committee

* Herman Waguespack with the American Sugar Cane League to replace Windell Jackson. Motioned by Kenneth Gravois and seconded by Jim Shine
* Nominate David Kuhn and Collins Kimbeng to replaces Dave Burner. Motion by Per McCord and seconded by Kenneth Gravois

Kenneth Gravois motioned to be adjourned seconded by Wayne Davidson.