

PGOC, NRSP-6, and Regional Plant Introduction Stations Update

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Plant Germplasm Operations Committee

July 14-15, 2009, Sturgeon Bay, WI

- Germplasm issues update
 - PI books being digitized back to 1898
 - Will be searchable and available through GRIN
 - <http://ars.usda.gov/Services/docs.htm?docid=18722>
 - 15 plant explorations conducted in FY09
 - 8 foreign, 5 domestic, 2 plant exchanges
 - more difficulties in gaining access for foreign explorations
 - NPGS Acquisition and Distribution policies adopted by PGOC with minor changes

Plant Germplasm Operations Committee

- Germplasm issues update
 - GRIN taxonomy update by John Wiersema
 - Taxonomic classification, gene pool status, geographic distribution
 - Over 30,000 NPGS accessions backed up at Svalbard
- Database Management Unit update
 - Gary Kinard RL
- NCGRP update
 - David Dierig RL

Plant Germplasm Operations Committee

- Presentation on wild potato explorations by David Spooner
 - Collected in almost every country in South America
 - Wild potato relatives, origin of cultivated potato
- International cooperator reports
 - Canada: Ken Richards
 - Distributions continue to increase
 - South Korea: Hyun Soon Kim
 - Repatriation of germplasm to South Korea from NPGS
 - 34 species, 1679 accessions

Plant Germplasm Operations Committee

- 42 Crop Germplasm Committees
 - Two new CGCs – Specialty Nuts and Medicinal
 - A few CGCs are inactive or less active due to smaller pool of members
- Discussion of viability testing intervals for seeds
 - Mark Widrlechner developed model to calculate time when seed lot will lose 50% viability
- Discussion of pure lining self-pollinated accessions
 - Used for soybean collection
- Discussion of increased cost of phytosanitary certificates
 - APHIS fees increased

Plant Germplasm Operations Committee

- Discussion of non-research requests
 - Home gardener requests continual concern
- Incorporation of U.S. native plants into NPGS
 - BLM, native plant exploration
- GRIN Global discussion
- Seeds for our future booklet under revision
- NPGS Special Achievement awards
 - Carlos Rios, Mayaguez, PR
 - Lee Ann Chalkley, Griffin, GA

3rd Curators Workshop

February 2-4, 2010, Atlanta, GA

- Presented regeneration techniques for various crops
- Techniques for saving money and resources in conservation and regeneration
- Data management issues
 - Getting more published data in GRIN
 - Georeferencing project (lat and long in GRIN)
- NPGS Customer Service
 - Give 'em the pickle video
 - Video distributed to nine NPGS locations for viewing following the workshop

3rd Curators Workshop

- Characterization and evaluation issues
 - Presented various studies of biochemical and molecular data on accessions
 - Presented data collection techniques
- Distribution and maintenance issues
 - Coordination of distributions, interstate shipment of clonal material, cryopreservation, backups
- Tour of Griffin and Byron germplasm locations
- 4th Curator workshop, Spokane, WA, 2012
 - Tour Pullman, WA, location

Distributions and Personnel Budgets

- Handout of 10 yr germplasm distributions for NPGS locations
 - Over 1.7 million accessions (including genetic stocks) have been distributed in last 10 years
 - Most distributions by PI stations, Aberdeen (small grains), and Urbana (soybeans)
 - Aberdeen: >309,000
 - S9: >304,000
 - Urbana: >255,000
 - W6: > 228,000
 - NC7: > 198,000
 - NRSP6: >50,000
 - NE9: > 32,000 (+58,000 clonal distributions by Geneva)

Plant Genetic Resources Conservation Unit Griffin, GA



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