***Phaseolu*s Crop Germplasm Committee Meeting**

August 20, 2014, Scottsbluff, Nebraska

**Participants:**

* Beaver, Jim (james.beaver@upr.edu) - University of Puerto Rico, PR
* Brick, Mark (mark.brick@colostate.edu) - Colorado State University, CO
* Cichy, Karen (karen.cichy@ars.usda.gov) - USDA-ARS, East Lansing, MI
* \*Grusak, Mike (mgrusak@bcm.edu) - USDA-ARS, Houston, TX (via conference call)
* Hossain, Khwaja (k.hossain@mayvillestate.edu) - Mayville State University, ND
* \*Kalavacharla, Venu (Kal) (vkalvacharla@desu.edu) - Delaware State University (via conference call), DE
* Kelly, Jim (kellyj@msu.edu) - Michigan State University, MI
* Kisha, Ted (tkisha@wsu.edu; theodore.kisha@ars.usda.gov) - USDA-ARS, Pullman, WA
* Martin, Pat (pmartin2@unl.edu) - NE Panhandle REC, NE
* Miklas, Phil (phil.miklas@ars.usda.gov) - USDA-ARA, Prosser, WA
* Osorno, Juan (juan.osorno@ndsu.edu) - North Dakota State University, ND
* Pasche, Julie (julie.pasche@ndsu.edu) - North Dakota State University, ND
* Porch, Tim (timothy.porch@ars.usda.gov) - USDA-ARS, Mayaguez, PR
* Rueda, Janice (rueda@wayne.edu) - Wayne State University/Archer Daniels Midland, IL
* Reuter, Lynn (dryediblebeans@nebraska.gov) - Nebraska Dry Bean Commission, NE
* Schlegl, Vicki (vschegl3@unl.edu) - U of NE, Lincoln, NE
* Schwartz, Howard (howard.schwartz@colostate.edu - Colorado State University, CO
* Urrea, Carlos (currea2@unl.edu) - University of Nebraska, NE

Tim Porch called the meeting to order at 3 pm. The meeting was hosted by Carlos Urrea at the University of Nebraska Panhandle Research Station, Scottsbluff, NE. Tim Porch filled in for Phil Griffiths as chair of the PCGC, because Phil Griffiths could not make it to the meeting and has asked that he be replaced as chair.

**Approval of Minutes**

Tim Porch distributed the minutes from the last meeting and called for changes. Tim Porch indicated that the phrase “with the assistance of Tim Porch” be deleted from the minutes in sentence 5 under the header “Introduction of new W-6 curator, Ted Kisha.” Under the heading “Next Meeting”, the text should read “The next meeting will be held in conjunction with the W-2150 meeting to be held in Scottsbluff, NE.” Jim Beaver moved, Jim Kelly seconded to accept the minutes with the corrections. Motion passed.

**Update of CGC funded projects**

Phil Miklas reported on results from a greenhouse study funded by the PCGC grant “Screening for Fusarium root rot (*F. solani*) resistance in the *Phaseolus* *vulgaris* Andean Diversity Panel”. Phil reported that they conducted GWAS using the Bean Core Collection (~400 entries) using SNP data. They did not find good associations with any SNP markers for resistance, but did find that some lines did not have a reduction in dry weight after inoculation with the F.s. seedling assay.

Juan Osorno presented a short summary of research on halo blight resistance in the core collection. He reported that they found resistance in the collection and one gene has been located.

**Status of *Phaseolus vulgaris* crop vulnerability report**

A discussion was held regarding the *Phaseolus vulgaris* crop vulnerability report. It was suggested to update the crop vulnerability report.

**New Business**

**Membership**

Juan Osorno moved, and K. Hossain seconded, to nominate Tim Porch as the new chair of the PCGC. Motion carried. Juan Osorno moved, and Howard Schwartz seconded to nominate Carlos Urrea as the new secretary of the PCGC. Motion carried.

**Germplasm exploration proposals**

Ted Kisha indicated that he is considering a proposal to explore *P. polystachios* in the Midwest USA region. Juan Osorno is willing to ask ICTA in Guatamala to see if they are willing to share their climbing bean collection with USDA NPGS. GRIN Global was briefly discussed. Ted Kisha indicated that there are differences in GRIN Global that preclude the type of “Google-like” searches available with present day GRIN.

Ted Kisha asked if anyone is worried about Asian soybean rust (ASR). Howard Schwartz indicated that the Legume Pipe has already screened some common beans with ASR.

***Phaseolus* germplam collection**

Ted Kisha, curator for the *Phaseolus* germplam collection reported on activities. About 70% of the colletion is *P. vulgaris*, 30% *P. coccineus* and some *P. acutifolius*. Ted reported on personnel changes made at the Western Regional Plant Introduction Station. They need someone for germplasm characterization. He said that out of the more than 17,000 accessions of *P. vulgaris*, more than 30% are unavailable, mostly because more greenhouse space is needed to grow out the photosensitive accessions. Actually, we have:

Species Available/Unavailable

*P. vulgaris* 11229*/*17,024 33.9% unavailable

*P. lunatus* 790/2,649 70.1% unavailable

*P. coccineus* 130/699 80% unavailable

*P. acutifolius* 211/496 44% unavailable

The next meeting will be held in Niagara Falls, Canada on November 4, 2015.

 Jim Kelly moved and Juan Osorno seconded to adjourn at 3:50 PM. Motion carried.

Respectfully Submitted:

Acting Secretary

Mark Brick