

## Rice Crop Germplasm Committee

The 21<sup>st</sup> meeting of the Rice Crop Germplasm Committee was held at 2:30 pm on February 21, 2001 at the Rice Research & Extension Center, University of Arkansas, Stuttgart, AR. Members present were Dave Mackill (Chair), Kirk Johnson, Karen Moldenhauer, Jim Correll, James Gibbons, Barry Tillman, Georgia Eizenga. Ex-officio members present were Mark Bohning, Harold Bockelman, Sarbagh Salih. Other interested parties were Bill Brown, Ed Roumen, Donn Beighley, Qi Ren Chu, Farman Jodari, Wengui Yan, Dwight Kanter, Chris Deren, Robert Shank, Fleet Lee, Bob Fjellstrom, Peter Bretting, Shannon Pinson. A summary of the meeting follows:

1. Curator' report. Dr. Harold Bockelman, curator at the National Small Grains Collection in Aberdeen, ID, gave a report on the collection, including total number of accessions, accessions assigned PI numbers during the past year, and a list of rice descriptors. He mentioned discussions with the CG centers that would allow imported accessions from the germplasm banks to be put in the collection and redistributed to other users. Accessions already imported would be preferable over re-importing these from overseas collections.
2. Presentation of Dr. Sarbagh Salih, USDA-ARS Plant Germplasm Quarantine Office (PGQO, Beltsville). Dr. Salih reported that 360 accessions were released from quarantine this year. This represents the maximum capacity at present, and this may decrease in the future due to a move out of the currently used greenhouse.
3. Mark Bohning gave a report on improvements to the GRIN web interface that are currently being made. This includes increased ability to download data in various formats. These improvements should appear within a year or so. PC-GRIN is being widely distributed to other countries to make their databases more accessible.
4. Chris Deren discussed the growouts of photoperiod sensitive accessions. Currently those accessions that do not flower at Stuttgart are usually discarded because of difficulties in increasing seed. It was decided that these entries are also potentially valuable for rice improvement activities and should be kept and increased if possible. There is limited potential to increase these at present, but Barry Tillman mentioned that RiceTec could provide some space in their winter nursery in Puerto Rico for growing out these accessions, and they could return seed to the collection. It was decided that Harold Bockelman and Wengui Yan would provide seed of around 100 or more photoperiod sensitive accessions to Barry for growing out next winter in Puerto Rico. If this works the first season, then additional accessions could be selected the following year assuming the space were still available.
5. Revisions to quarantine regulations. David Mackill reported that the proposed revisions to quarantine have not been acted upon by APHIS. Instead, they recommended that an application for a permit should be submitted with the new regulations and supporting documentation. Jeff Oster (Biggs, CA) agreed to apply for a new permit using the recommended procedures approved by the CGC. This application was submitted. David Mackill will request Jeff to notify the CGC when the new permit is granted so that other permit holders can be notified. The changes should be applied to all permit holders.

6. Kirk Johnson asked about revising the list of rice pathogens which APHIS uses. It was suggested that the list compiled by Tom Mew be circulated to the rice pathologist for additional input and then the list be submitted to AHPIS.
7. Quarantine nursery in North Carolina. Bill Brown, USDA-ARS at Raleigh, reported on the rice growout at NCSU. This was done at the Tide Water Research Station. Twelve varieties were grown, all of which produced seed. Fifty germplasm accessions were grown of which 36 flowered and produced seed. In summary, the rice was successfully grown; however, some disease-type symptoms were observed. Samples are currently being analyzed by Jim Correll and University of Arkansas. They do not appear to be rice pathogens but the analysis is still not complete. It was decided that a quarantine growout should proceed for this season. The material must be planted by May 25 to produce seed. Assuming the permit is granted by this time, Sarbaugh will begin processing samples through tissue culture up to the amount that can be handled at Raleigh. For the first year, plants will be shipped in test tubes for transplanting in the field at Raleigh. Shannon Pinson agreed to provide advice on the transfer of plants from the tubes to the field.

Dr. Fleet Lee suggested that some studies could be conducted by a pathologist to develop a protocol for seed treatment without dehulling so that seeds could be sown directly into the field at Raleigh, thus avoiding the tissue culture stage and transplanting. Jim Correll offered to coordinate this with Don Groth and LSU, and perhaps apply for funding to support such a study.

8. Membership. David Mackill resigned as member and chair due to his move to IRRI. He nominated Bob Fjellstrom as his replacement on the CGC. Dr. Fjellstrom's appointment to the committee was unanimously approved. The chair nominated Karen Moldenhauer to be the next chair of the CGC. This was approved unanimously.

The meeting was adjourned at 4:30 pm.

Submitted by:

David J. Mackill  
Chair

Appendix I. CGC members for 2001 with year term ends in parentheses.

<p>Dr. Karen K. Moldenhaur, Chair (2004) Rice Research and Extension Center University Of Arkansas P.O. Box 351; 2900 Hwy 130 E Stuttgart, AR 72160 rrec_kmolden@futura.net</p>	<p>Dr. Kirk Johnson (2002) Aventis 3926 Yana Place Davis, CA 95616 kirk.johnson@aventis.com</p>
<p>Dr. Rick Cartwright (2004) Cooperative Extension Service University of Arkansas PO Box 391, 2301 S. University Avenue Little Rock, AR 72203 rcartwright@uaex.edu</p>	<p>Dr. Jim Oard (2004) Louisiana State University M.B. Sturgis Hall Department Of Agronomy Baton Rouge, LA 70803 joard@agctr.lsu.edu</p>
<p>Dr. Barry Tillman (2006) RiceTec, Inc. PO Box 1305 Alvin, TX 77512 btill@Ricetec.com</p>	<p>Dr. David Kohlwey (2004) Riviana Foods 2777 Allen Parkway Houston, TX 77019 dkohlwey@riviana.com</p>
<p>Dr. James Correll (2006) Plant Pathology Dept. University of Arkansas Fayetteville, AR 72701 jcorrell@comp.uark.edu</p>	<p>Dr. James Gibbons (2006) Rice Research and Extension Center University Of Arkansas P.O. Box 351; 2900 Hwy 130 E Stuttgart, AR 72160 jgibbon@uark.edu</p>
<p>Dr. Georgia Eizenga (2006) Dale Bumpers National Rice Research Center PO Box 287; 2890 Hwy 130 E Stuttgart, AR 72160 geizenga@spa.ars.usda.gov</p>	<p>Dr. Robert Fjellstrom (2008) USDA-ARS 1509 Aggie Drive Beaumont, TX 77713 r_fjellstrom@tamu.edu</p>
<p>Dr. Harold Bockelman, Ex-officio Ex-Officio USDA, ARS, PWA, NSGC PO Box 307 Aberdeen, ID 83210 nsgchb@sun.ars-grin.gov</p>	<p>Dr. Sarbagh Salih, Ex-officio Ex-Officio Plant Germplasm Quarantine Office Building 465, Entomology Road Beltsville, MD 20705 ssalih@ars-grin.gov</p>
<p>Dr. Allan K. Stoner, Ex-officio Research Leader/CGC Coordinator USDA, ARS, BA, NGRL Bldg. 001, Room 127 BARC-WEST Beltsville, MD 20705 ngrlas@sun.ars-grin.gov</p>	<p>Dr. J. Neil Rutger, Ex-officio USDA, ARS, SPA National Rice Germplasm Center PO Box 287 Stuttgart, AR 72160 jnrtuger@spa.ars.usda.gov</p>
<p>Dr. Kay Simmons, Ex-officio Grain Crops National Program Leader USDA, ARS, NPS, PS 5601 Sunnyside Avenue Beltsville, MD 20705 kws@ars.usda.gov</p>	<p>Mr. Mark A. Bohning, Ex-officio CGC Facilitator USDA, ARS, BA, NGRL Bldg. 003, 4<sup>th</sup> Floor Beltsville, MD 20705 dbmumb@sun.ars-grin.gov</p>