

REPORT TO THE W-6 TECHNICAL COMMITTEE

from
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- The National Small Grains Collection (NSGC) presently holds 146,225 accessions of the small grains (wheat, barley, oat, rye, triticale, rice, and related wild species). This number includes more than 10,000 accessions of mapping populations with GSHO (Genetic Stock – Hordeum) and GSTR (Genetic Stock – Triticum) numbers, which will not be maintained for perpetuity.
- NSGC distributed 36,868 accession samples in 727 separate requests in the past 12 months. Approximately 30% of the distributions were to foreign scientists.
- NSGC provided back-up samples to NLGRP totaling 470 accessions. Almost 99% of NSGC accessions have been backed-up.
- NSGC has prepared a total of 12,400 samples to be sent to Svalbard in the next shipment. More than 60,000 accessions will then be backed-up at Svalbard.
- We are continuing our efforts to capture voucher images of spikes, panicles, and seeds. The images and characterization data provides valuable information to both the germplasm user and for NSGC curation. The “Accession-Inventory Attach” function was completed in GRIN-Global in late 2017. Since that time more than 36,800 images have been added.
- Evaluations of NSGC wheat landrace accessions are continuing for reaction to the Ug99 stem rust race in Kenya. We continue to coordinate the assembly of the Stem Rust Nursery in Kenya in cooperation with the Kenya Agricultural & Livestock Research Organisation, CIMMYT, and wheat and barley breeders in public and private programs throughout the U.S. The latest shipment in May included more than 3800 entries from U.S. public and private breeders and researchers.
- Agronomist position has been vacant since January, 2017.