

**MULTI-STATE RESEARCH PROJECT S-009  
PLANT GENETIC RESOURCES CONSERVATION AND UTILIZATION  
BUDGET REQUEST BRIEF FOR FY2021**

**Accomplishments and Activities for 2019:**

- The PGRCU collection totals 100,249 accessions of 1605 species and 286 genera with 86.4% available for distribution and 98.5% backed up at Ft. Collins, CO. A total of 2,290 additional accessions were made available for distribution in 2019.
- A total of 37,391 accessions (9016 in the S-009 region) were distributed in 1193 orders to users worldwide in 2019.
- Currently, 88,201 accessions or 89.2% of the seeded accessions in the collection are stored at -18°C. This reflects an additional 503 accessions moved to -18°C in 2019. Seed longevity is improved by storage in -18°C rather than 4°C.
- A total of 251 images and 6312 observations were uploaded to GRIN-Global.
- Characterization studies include: SNP analysis using a low density genome sequencing in *Capsicum frutescens* and *Luffa*; evaluation of insect resistance in a wild *Citrullus* species (whiteflies and spider mites); screening of the watermelon (*Citrullus* spp.) collection for the presence of *Acidovorax citrulli* (Bacterial Fruit Blotch); identification of biochemical compounds in several *Desmodium* and *Lespedeza* species with anti-intestinal parasite control potential; evaluation of roselle and butterfly pea genotypes with high calyx, flower, and seed production for use in chutney, jelly, and teas; analysis of sorghum root traits; and oil and protein content and fatty acid composition in peanut.
- Cassa Munroe was hired in 2019 as a federal Biological Science Technician. Her role is to handle and track incoming germplasm requests and package and ship germplasm. With this hire, the seed storage crew is now complete for the first time in several years after multiple retirements.
- An S-009 Research Technician for field operations is currently being advertised. Two federal positions are vacant and will be advertised soon –Agricultural Science Lab Technician for peanut/vigna curation and a Maintenance Mechanic.
- Several ARS-funded facility improvements (\$334,033) were completed in 2019 including Field Shop renovation; roof replacement in the Seed Processing Building; and roof repair to storage facility. Installation of modernized heating and cooling system in the USDA Headhouse and heating in the USDA Greenhouses is currently underway (\$1,296,217.)
- The S-009 Regional Technical Advisory Committee met on July 12, 2019 in Auburn, AL. The next meeting is scheduled for August 26-27, 2020 in Griffin, GA.

**S-009 Personnel:** The University of Georgia provided salary increases to all employees to adjust for salary compression in FY2020 (\$2,062), and two S-009 employees received performance salary increases (\$7,069). The proposed FY2021 salary increase estimate totals \$5,936 for the S-009 employees. Associated benefits for all salary increases totals \$1,794.

**S-009 Budget Request:** Increase the S-009 FY2021 budget in the amount of \$16,861 for a total budget of \$518,151. This request reflects the FY2020 and projected FY2021 increase in University of Georgia salaries and associated employee benefits.

**Action Requested:** Approval of S-009 FY2021 Budget Request

**PLANT GENETIC RESOURCES CONSERVATION AND UTILIZATION  
FUNDING REQUEST FOR FY2021  
TO THE SOUTHERN ASSOC. OF STATE AGRIC. EXPT STATION DIRECTORS**

<b>A. S-009 Budget</b>	<b>REQUESTED</b>		
	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personnel	411,368	421,916	438,777
Travel	1,000	1,000	1,000
Operations	78,374	78,374	78,374
<b>TOTAL</b>	<b>\$490,742</b>	<b>\$501,290</b>	<b>\$518,151</b>

<b>B. USDA/ARS Budget</b>	<b>PROJECTED</b>		
	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personnel	\$1,502,012	\$1,663,142	\$1,696,800
Travel	19,920	39,200	35,000
Services	314,760	424,931	445,310
Supplies	195,476	177,978	123,141
Equipment	283,083*	10,000	15,000
Facilities Support	95,000	95,000	95,000
<b>TOTAL</b>	<b>\$ 2,410,251</b>	<b>\$ 2,410,251</b>	<b>\$2,410,251</b>

\* USDA Funded Equipment Purchases Include: JD 4052R Compact Utility Tractor (33,439) 3 Pt Hitch 110 gal sprayer (5,871) Rhino TS12 Flex Wing Mower (11,306) Lenox Welding Small Plot Peanut Combine (Area Funded; 152,200) Workstations for Seed Processing (18,326) 2020 Ford Ranger (28,097) 2020 Dodge Cargo Van (21,691) Vehicles were excessed to acquire new vehicles. Various IT Equipment (12,153)