

Arizona

Compiled by Dave Stout

During 2017 NPGS there shipped 62 orders with a total of 1,936 order items (83 from WRPIS) to 41 people in Arizona. Fifty-three orders were submitted over the GRIN-Global Website and others were through emails or other means. We received eight responses to our email questionnaire from requestors. Their responses are listed:

(1) Mark Von Cruz

1. Did the material arrive in good condition? Did the material germinate and/or root well? Did the material grow well? Any observations you may have on general growth and development?

Yes the materials arrived in good condition. The germination was not great but expected as communicated by the curator previously. The seedlings are still in the greenhouse.

2. Was this material useful to you? If yes, how? If no, why not?

Yes, I will use the materials to test barcode primers in the species.

3. What were the outcomes from any plant germplasm you received: Was it part of a research experiment? Did you make crosses? Are you developing any new plant offerings? What are your future plans with this material?

The experiment using the germplasm requested is still underway.

4. Have you completed any publications or news items related to the material you received at any time? If yes, please include a list of your publications and news items.

We will still do trials this summer and plan on a publication if successful.

(2) Rafael De Grenade

1. Did the material arrive in good condition? Did the material germinate and/or root well? Did the material grow well? Any observations you may have on general growth and development? We have requested pomegranate, quince, apricot and peach through the USDA GRIN database, and most all are thriving. We had trouble acquiring enough healthy peach rootstock to back up the full collection and have lost some varieties. We had more luck grafting quince than rooting the cuttings, and lost a couple of varieties. All of the pomegranates are growing well and just beginning to produce fruit.

2. Was this material useful to you? If yes, how? If no, why not? Absolutely. We are in the process of developing climate-adapted temperate tree crops for our highly variable climate in central AZ, prone to late spring frosts.

3. What were the outcomes from any plant germplasm you received: Was it part of a research experiment? Did you make crosses? Are you developing any new plant offerings? What are your future plans with this material? We are researching climate-adapted trees through a community germ plasm collection experiment. We are holding a grafting workshop this weekend with 40 active participants from across the state, including 9 people from the White Mountain Apache tribe, five from Tucson, and the rest from Central AZ. As part of this event, we are holding a scion exchange and tree sale to promote edible urban agroforestry and tree diversity in communities. We hope to test these varieties in the coming years and teach other people to take notes on phenology to share for collective citizen science research.

4. Have you completed any publications or news items related to the material you received at any time? If yes, please include a list of your publications and news items. We have not yet completed any publications. One related publication is through our LEAF Network grant (Linking Edible Arizona Forests; leafnetworkaz.org). Please see the following link. https://leafnetworkaz.org/resources/Documents/ASF0008%20Edible%20Tree%20Guidebook_spreads_FINAL_LR.pdf

(5) Teri Edwards

1. Did the material arrive in good condition? Did the material germinate and/or root well? Did the material grow well? Any observations you may have on general growth and development?

I received a packet of about 10 lettuce seeds. It was well packaged and germinated quickly. The heads were relatively small but I have a very new garden.

2. Was this material useful to you? If yes, how? If no, why not?

Yes it was useful. It produced a good plant with several harvests from each.

3. What were the outcomes from any plant germplasm you received: Was it part of a research experiment? Did you make crosses? Are you developing any new plant offerings? What are your future plans with this material?

I wasn't doing research. Just a home gardener with three large raised beds on top of pallets. I wanted to see how recycling the water would work for the garden.

4. Have you completed any publications or news items related to the material you received at any time? If yes, please include a list of your publications and news items. No, I haven't. But I'd really love to get some more seeds. 😊

(6) Tim Goodman

1. Did the material arrive in good condition? Did the material germinate and/or root well? Did the material grow well? Any observations you may have on general growth and development?

The material arrived in very good shape, and rooted very well probably over 90%.

2. Was this material useful to you? If yes, how? If no, why not?

Yes it is, my proposal was to trial varieties out and provide the information I gain with the local communities. I am working with the Graham County, Extension Agent. To place some of my plants with a community garden. This will allow me to put more varieties out for my trial, and in the future as the tree start producing, fruit for the community food bank. I have also been working with the Greenlee County, Extension Agent to provide trees for a demonstration garden and orchard, and also fruit trees to be used for landscaping around the newly constructed extension office.

3. What were the outcomes from any plant germplasm you received: Was it part of a research experiment? Did you make crosses? Are you developing any new plant offerings? What are your future plans with this material?

I intend to continue on with my project providing information on numerous varieties. I have only been pursuing this project for three years. My plant are not yet producing fruits. As the tree mature I may pursue crossing different varieties, but that would be many years down the road.

(3)Robin Groose

1. Did the material arrive in good condition? Did the material germinate and/or root well? Did the material grow well? Any observations you may have on general growth and development? **YES**
2. Was this material useful to you? If yes, how? If no, why not? **YES. USEFUL. IN OUR GARDEN. PLANTED RECENTLY. HOPE TO GET PIMA COUNTY SEED LIBRARY FOLKS OVER TO OUR HOUSE TO SEE THESE DIVERSE ALFALFA CULTIVARS. AND I WOULD LIKE TO GET THESE DIVERSE FALL DOMANCY CULTIVARS INTO A PLANTER AT MAIN LIBRARY**
3. What were the outcomes from any plant germplasm you received: Was it part of a research experiment? Did you make crosses? Are you developing any new plant offerings? What are your future plans with this material? **EDUCATIONAL**
4. Have you completed any publications or news items related to the material you received at any time? If yes, please include a list of your publications and news items. **NO PUBLICATIONS**

(4) Ronald Palmer

In 2017 I received two date palm offshoots of the Bentamoda variety from the USDA station in Thermal, CA. They are doing well in pots and will be transferred to the field in about one year.

I am a private collector in Mesa, Arizona and am a volunteer at the Arizona State University Germplasm collection. Over the last ten years I have received several date palm offshoots of different varieties that have not been available here in Arizona. Not all of them survived but many are now part of my collection and producing fruit.

A few years ago my friend, Scott Frische, and I delivered several offshoots of imported and American varieties available in Arizona to the USDA under a special permit from Robert Krueger. This helped augment the USDA collection.

I consider the USDA a very valuable resource in the pursuit of my personal goals related to collecting date palm varieties. Please keep it going.

(7) Dennis Ray

This is pretty easy. We acquired 30 some guar accessions, but nothing goes in the ground until June.

(8) Soichi Urashimo

1. I receive materials in very good condition. But some of them were not good germination. And they still young stage.
2. Because materials are still young, I cannot conclude.
3. I use materials for developing new pepper varieties, and rootstock materials for peppers.
4. No.