For 2018, NPGS shipped 41 orders with a total of 505 items (14 from WRPIS) to 27 people in Hawaii. Thirty orders were submitted over the GRIN-Global Website and eleven others were through emails or other means. We received 6 responses to our email questionnaire from requestors. Their responses are listed below:

(1) Joey Ooka

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 good condition and germinated and grew as was expected. Nothing noteworthy.

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

   Yes! While we did not carry to maturity as was originally planned, those that we did grow provided ample material to test our plant-of-interest’s chemicals on.

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?

   This was part of a research experiment to test the allelopathy of strawberry guava. No crosses or any new plant hybrids are being bred. This material was utilized to test the experimental design of our bioassay and has completed its intended purpose.

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 or news items were published with this material.

(2) Ken Love

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 we received arrived in perfect shape and we had 90% success rate with rooting.

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

   Very useful and should, when further propagated, help with sustainability for small growers in Hawaii.
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 material will be grown out and propagated for distribution to interested growers as well as added to the seven Hawaii Tropical Fruit Growers repositories.

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.

Only older extension publications on previously received material.

(3) Darla Wright wrote back:

With regard to the elder berries I requested, they never arrived. Many requests for them to be re-sent have not been met, as far as I can tell.

On to the niabell grape cuttings... HalleluYah, and surprise, surprised I was when they arrived. I knew it was dependent upon what time of the year the cuttings were made as to when they would be sent. However, I was just so overjoyed and pleasantly surprised when the package arrived.

The niabell grape cuttings (five!!) arrived about 2 1/2 weeks ago in very excellent condition, and packed, obviously, with great care and attention to detail. After the bustle of our Passover week, we got the cuttings into potting mix soil, and they are now in the rooting phase. However, it is too early to tell about how they are rooting. They have been in dirt about a week now. They look as fine as they did when they arrived, only now they are in dirt and receiving good water. They look content!!

These five niabell grape cuttings are very useful to me, assuming they do very well. I am really, really excited about growing the niabell grapes on our farm, as they are a grape that tastes like the concord grape but will grow in tropical weather.

We hope to start a small vineyard from these original niabell grape cuttings, and their future plants, here, in Hawaii. I'm just thrilled to bring this plant grape species to the Big Island and to be able to offer its fruit, in the future, in various applications, to the residents of Hawaii.

(4) John Hu

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. Very well! Thanks!

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

Yes. We used the pineapple samples for PCR experiments.

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?

Used for our PCR experiments.

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.

One paper was submitted for publication:

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**Archives of Virology**

*Further genomic characterization of pineapple mealybug wilt-associated viruses using high-throughput sequencing*  
--Manuscript Draft--

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<td>Article Type:</td>
<td>Original Article</td>
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| Corresponding Author: | John Hu  
University of Hawaii  
Honolulu, Hawaii UNITED STATES |

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(5) Ahmad Amjad

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 seeds arrived in a very good packing condition with list of the ordered seeds. Thanks.

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

I requested seeds of varieties of the nuna beans to use in my trips throughout Hawaii to increase awareness of the crop and get support for the SCRI proposal. The seeds were very useful in my mission to increase interest and gain support of growers and value-added products processors for the project.
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 main reason for requesting the seeds was to use in a showcase to gain interest and support for the new SCRI proposal. I didn’t plant the seeds.

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.

I didn’t use the seeds for any publications.

(6) Nancy Redfeather

5. 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 only material I requested and received was carrot seed. I did write an evaluation of the seed earlier, but bottom line the germination was very poor for all varieties. I know that carrot seed requires close monitoring and watering during it’s first few weeks of life in the soil, but I think the germination was just low.

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

No I was unable to grow any of the carrots to full size.

7. 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 am always interested in new material and varieties for the tropics and sub-tropics and will continue to conduct variety trials here at Kawanui Farm in the mountain area of Kona, Hawai’i. I am also a member of the Hawai’i Seed Growers Network, and I am growing some seed for new online Seed Marketplace, so I am constantly looking and improving varieties that do well here in this challenging environment.

8. 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 Sorry. Now I’m wondering if the grape scions I received were from you or from Davis, if they were from you than I need to add more to this evaluation. Please let me know. Mahalo, Nancy