

**Submission Form**  
**Plant samples for blue palo verde witches broom virus detection**

1. Please fill out this form and place in the shipping container with samples, and ship to Dr. Judith Brown's UA lab.
2. Please also send the completed form (word or PDF) and share photos of symptoms for each tree that is sampled by email to: Dr. Brown: [jbrown@ag.arizona.edu](mailto:jbrown@ag.arizona.edu).

Samples for commercial wholesale or retail nurseries are analyzed at no charge.  
Samples from others are \$25 per sample, with payment due upon receiving the invoice.

Person submitting the samples \_\_\_\_\_ Number of samples \_\_\_\_\_  
Company Name \_\_\_\_\_  
Street, City, State, Zip \_\_\_\_\_  
e-mail \_\_\_\_\_ Phone \_\_\_\_\_

Wholesale nursery \_\_\_\_\_ Retail nursery \_\_\_\_\_ Landscaper (commercial, municipalities, county, school etc.) \_\_\_\_\_  
st Master Gardener \_\_\_\_\_ Home owner \_\_\_\_\_ Other: \_\_\_\_\_

Plant Species: \_\_\_\_\_ Cultivar: \_\_\_\_\_  
Plant age: \_\_\_\_\_ years Plant size (height, diameter 6 inches above the ground): \_\_\_\_\_  
Where is the plant growing: \_\_\_\_\_ Small container in nursery \_\_\_\_\_ Large box/container in nursery \_\_\_\_\_  
In landscape: commercial \_\_\_\_\_ public (school, park) \_\_\_\_\_ private residence \_\_\_\_\_

Broom Symptoms of sample: Yes No  
Percent of canopy affected by broom: 0-10% 11-25% 26-50% 51-75% 76-100%  
For how long did the plant show broom systems? \_\_\_\_\_ Number of years \_\_\_\_\_

**Collection procedures and mailing of palo verde samples for blue palo verde witches broom virus detection**

1. Label a quart ziplock plastic bag with enough information so that the tree identification is unique for each sample and can be relocated after testing if necessary.
2. Take photograph of area to be sampled; please photograph as much of the branch where symptoms are observed.
3. Using pruning shears, clip 6-8 growing tips with leaves approximately 2 inches in length from one plant.
4. Using disinfectant (bleach 10%, spray Lysol or similar product (store-bought formulation, undiluted), thoroughly clean the pruning shears before collecting each sample.
5. Place the collected clippings from one plant into the labeled ziplock bag and seal the bag.
6. Continue collection of samples from other plants if desired. Once all samples have been collected, place samples and the submission form in a 1-gallon ziplock bag for shipment
7. Collect samples shortly before shipping and refrigerate until they are shipped.
8. Send samples overnight from Monday to Thursday to arrive no later than Friday morning to the address below. Samples must be sent overnight to maintain freshness.
9. Fill out the form for one sample, if multiple samples are sent with and without broom symptoms, or from different properties, fill out separate sample submission forms.

Mail or FedEx samples overnight to:  
Brown Lab, 1140 E. South Campus Drive  
Forbes Bld. Room #425  
School of Plant Sciences  
University of Arizona  
Tucson, AZ 85721-0036

Information needed for Courier Shipping/Tracking:  
Lab phone: 520-621-1402  
Email: [jbrown@ag.arizona.edu](mailto:jbrown@ag.arizona.edu)