THE UNIVERSITY OF ARIZONA

The School of Plant Sciences

Mail samples to:
Alex Hu, Forbes Building, Room 303
1140 E. South Campus Dr.
P.O. Box 210036
Tucson, AZ 85721-0036

Find the location: click Google maps
http://cals.arizona.edu/spls/content/jiahuai-alex

Alex Hu, Extension Plant Pathologist
epp@email.arizona.edu Tel: 520-626-6287

UA PDC Fees: $60/regular sample, $120/sample requiring ELISA & PCR testing

Please make checks payable to
University of Arizona

Sample No: _____
Collected:_____
Received:_____
Paid: $ _____
Check No._____
Do not invoice_____

FOR LAB USE ONLY

PLANT PATHOLOGY EXTENSION LAB SAMPLE SUBMISSION FORM
(Please fill the form, and mail/ fax or Email)

Submitted by:		Submitted for:
Company:	Commercial Grower	Company:
Address:	Extension Agent	Address:
City/Zip:	Crop Consultant	City/Zip:
County:	Home Owner	County:
E: mail:	Research/Faculty	E: mail:
Phone:	Master Gardener	Phone:

Plant:	**Location**				**Prevalence**			
Cultivar :	Field		Greenhouse		One or few plants		Entire crop	
Acreage affected :	Nursery		Forest		Spots or patches		Localized area	
Approx. age of plant:	Landscape		Interior		Edge of field only		Scattered areas	
Recently transplanted?	Grove/orchard		Green/Fairway		Low, wet areas		High areas	
	Garden		Other		Shaded areas		Other	

Overall plant appearance		**Root**		**Stem/Branch**		**Leaf**		**Flower/Fruit**	
Stunted		Gall		Canker		Mottle / Mosaic / Streak		Necrotic	
Elongated		Brown		Girdled		Abnormal or twisted growth		Chlorotic	
Gnarled		Black		Dark lesions		Chlorotic spots		Scabby	
Wilted		Tissue sloughing off		Tip die back		Necrotic spots		Uneven ripening	
Blighted		Root rot				Premature leaf fall		Deformed	
Yellow						Deformed		Rot	
Other		Other		Other		Other		Other	
Approx. date symptoms first appeared:						Have you had this problem before?			

Other injuries:_____Hail _____Wind _____Freeze or Frost __Sun __Insects:_____
Irrigation:_____Furrow _____Overhead __Trickle _____None How often:_____
Soil: Type _____ pH_____ Drainage:_____Good _____Moderate _____Poor

Chemicals applied to crops (rate and dates/s of application): _____

_____

_____

Comments: _____

_____

_____

Lab Comments:_____

Extension Plant Pathology Lab (An Arizona Plant Diagnostic Network Facility)
University of Arizona, The School of Plant Sciences
1140 E. South Campus Dr., P.O. Box 210036, Tucson, AZ 85721-0036
Tel: (520) 626-6287 Fax: (520) 621-7186

GENERAL INSTRUCTIONS FOR SUBMITTING SAMPLES

This form provides the necessary information for submitting samples to the Plant Pathology Extension Lab. The manner in which samples are collected, preserved, and submitted ensures a proper identification in a timely and efficient way. Materials needed for submission of samples include:

1. A Plant Pathology Extension Lab sample submission form
2. A zip lock bag (provided by sender)
3. A mailing tube or some kind of shipping container (provided by sender)

SUBMITTING SAMPLES:

1. Put as much information as possible on the sample submission form. WRITE WITH A PENCIL OR PERMANENT INK PEN that will resist smearing. Pictures of the symptoms in the field will be very helpful in the preliminary analysis, and it can be E-mailed to the diagnostician.
2. Place the sample submission form inside the zip lock bag. The bag will protect the paperwork from damage. Put the zip lock bag and the specimen inside the shipping container.
3. Mail samples early in the week to avoid the weekend layover in the post office.
4. For emergency samples, use overnight courier services or overnight mail.

ADDITIONAL INSTRUCTIONS FOR SUBMITTING INSECT SAMPLES

1. Place your specimens in the vial and fill with an alcohol solution. The alcohol preserves the insect so it will not decay. Screw the cap on or insert the stopper into the vial tightly. Many times the alcohol leaks out during shipment and the specimen is destroyed by the time it is received. The one exception to using alcohol is moths and butterflies. These should be placed between layers of waxed paper and enclosed in an envelope.
2. Be sure that your name appears on the Sample Form and on the insect vial.

ADDITIONAL INSTRUCTIONS FOR SUBMITTING PLANT SAMPLES

1. Submit generous amounts of plant material representing a range of symptoms.
2. Do not add water or pack a sample that is wet.
3. Keep samples refrigerated after collection until they are submitted.
4. Do not mix samples in the same submission bag.
5. Samples arriving from sites in Arizona that are 2 days or less mailing time from Tucson, can be sealed in plastic bags for shipping.
6. Samples arriving from distances greater than 2 days mailing time from Tucson should be packed tightly in a box with dry paper. Do not seal in plastic because of the likelihood of sample deterioration during the mailing period. Do not add moisture.
7. Turf samples should be collected near the margin of the affected area so that a range of diseased and healthy tissue is included. Two cup cutters plugs are usually sufficient. Send pictures of overall symptoms. Samples should be sealed in plastic bags. Wrap samples in newspaper or paper towel before being sealed in a plastic bag.

PAYMENT OPTIONS

1. Please make the check payable ($60/sample) to the **University of Arizona.**
2. For specific samples that require further advance processing and analysis, a higher charge will have to be a paid depending upon the analysis.
3. A contract can also be initiated for unlimited sample submission. The cost can be decided upon discussion with Alex Hu, Extension Plant Pathologist, 520-626-6287, epp@email.arizona.edu

Our mission is to protect Arizona and U.S Agriculture by rapid identification of plant pathogens including fungi, oomycetes, bacteria and viruses using numerous assays including, but not limited to culturing, microscopy, biochemical assays, antibody-based assays and DNA and RNA based assays.

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