

Plant & Pest Diagnostic Laboratory

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(PPDL-1-W)

Office Use Only: Date received: _____ Sample #: _____ Account #: _____

Submitter's Name _____	Client's Name _____
Business _____	Business _____
Address _____	Address _____
City _____ State _____	City _____ State _____
Zip _____ County _____	Zip _____ County _____
Phone _____ Fax _____	Phone _____ Fax _____
Email _____	Email _____

Please include a check or money order (payable to Purdue University) \$11 per sample (\$22 out-of-state) WE DO NOT ACCEPT CREDIT CARDS DO NOT SEND CASH! Send invoice to: ___ Submitter ___ Client	<input type="checkbox"/> Perform only routine diagnosis (\$11 in-state/\$22 out-of-state) <input type="checkbox"/> Please notify submitter if additional fees for advanced testing are needed <input type="checkbox"/> Perform additional advanced testing if necessary (up to \$50)	Mail reply to: ___ Submitter ___ Client Fax reply to: ___ Submitter ___ Client Email reply to: ___ Submitter ___ Client ___ Copy Extension Educator
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Information about Submitter/Client (please check one each for submitter & client)				Check information desired:	
Submitter	Client	Submitter	Client	<input type="checkbox"/>	Problem identification
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Specimen identification
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Control recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other _____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Plant and Pest Information

Plant/Host: _____	Cultivar/Variety: _____	Field ID: _____
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Location (choose one):			Degree of Damage	Insect Problem?	
<input type="checkbox"/> In dwelling	<input type="checkbox"/> Greenhouse	<input type="checkbox"/> Golf Course	(choose one):	(choose one):	
<input type="checkbox"/> Tree/Shrub	<input type="checkbox"/> Nursery	<input type="checkbox"/> Aquatic			<input type="checkbox"/> Damaging plant
<input type="checkbox"/> Turf/Lawn	<input type="checkbox"/> Orchard	<input type="checkbox"/> Animal/Human			<input type="checkbox"/> Biting/Stinging
<input type="checkbox"/> Field/Farm	<input type="checkbox"/> Flower/Vegetable Garden	<input type="checkbox"/> Heavy			<input type="checkbox"/> Infesting food
<input type="checkbox"/> Stored grain/Food products	<input type="checkbox"/> Other _____	<input type="checkbox"/> Medium			<input type="checkbox"/> Nuisance
		<input type="checkbox"/> Light			

for Plant/Weed Identification Only

Plant type:	Plant size:	Flowers:	Fruits:	Plant age:
<input type="checkbox"/> Tree <input type="checkbox"/> Deciduous	<input type="checkbox"/> Height	<input type="checkbox"/> Color	<input type="checkbox"/> Color	<input type="checkbox"/> Annual
<input type="checkbox"/> Shrub <input type="checkbox"/> Evergreen <input type="checkbox"/> Vine	<input type="checkbox"/> Width	<input type="checkbox"/> Month(s)	<input type="checkbox"/> Month(s)	<input type="checkbox"/> Perennial
<input type="checkbox"/> Groundcover <input type="checkbox"/> Herbaceous		<input type="checkbox"/> Size	<input type="checkbox"/> Size	(# years _____)

Unique features (bark, leaves, odor, thorns, etc.): _____

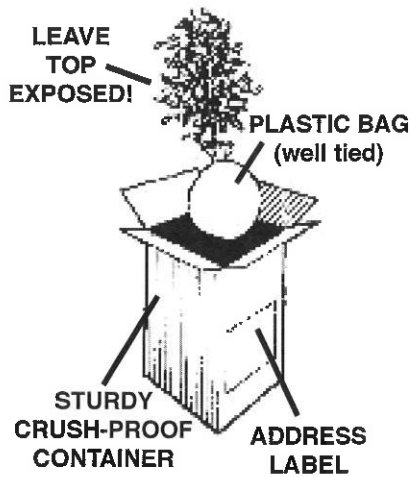
Date planted: _____ % of plants affected: _____ Date first noticed problem: _____

Chemicals/fertilizers applied (past 2 years; include rates): _____

Describe the problem (Include symptoms, plant parts affected, pattern of occurrence, etc. Attach separate sheet if necessary)

Your tentative diagnosis/ID: _____

FILLING OUT THE FORM



1. Complete the form on the reverse side to the best of your ability. **Give complete information** pertinent to the sample, including background information.
2. State the problem clearly and indicate specific information desired.
3. Photographs or digital images of the problem site are helpful.
4. Attach an additional sheet if further explanation is necessary.
5. Submit white and yellow copies of the form, along with the specimen.

HOW TO COLLECT AND SHIP SPECIMENS

1. Collect fresh specimens. Send a generous amount of material, if available.
2. Ship in crush-proof container immediately after collecting. If holdover periods are encountered, keep specimen cool. **MAIL PACKAGES TO ARRIVE ON WEEKDAYS.**
3. Incomplete information or poorly selected specimens may result in an inaccurate diagnosis or inappropriate control recommendations. Badly damaged specimens are often unidentifiable and additional sample requests can cause delays.

SUBMITTING PLANT SPECIMENS FOR DISEASE/INJURY DIAGNOSIS

1. **HERBACEOUS PLANTS:** for general decline/dying of plants, send **WHOLE PLANTS**, showing **EARLY SYMPTOMS**, with roots and adjacent soil intact. **DIG UP PLANT CAREFULLY.** Send several plants. Bundle plants together and wrap roots in a plastic bag. Wrap the entire bundle of plants in newspaper and place in a crush-proof container for shipment. **DO NOT ADD WATER.**
2. **TREE WILTS:** collect branches 1/2 to 1 inch in diameter from branches which are actively wilting but **NOT** totally dead. Wrap in plastic to retain moisture. Collect a handful of feeder roots and place in a plastic bag.
3. **LEAVES/BRANCHES/FLESHY PARTS:** when localized infections such as cankers, leaf spots and rots are involved, send specimens representing early and moderate stages of disease. For cankers include healthy portions from above and below diseased area. Press leaves flat between heavy paper or cardboard. Wrap fleshy parts in dry paper.
4. **TURF:** samples should be at least 4" x 4" and include both the diseased and healthy portions of grass on the same sample piece. Place the sample on a disposable plate and wrap in newspaper for shipment.

SUBMITTING PLANT SPECIMENS FOR IDENTIFICATION

1. Include a 6-10 inch sample of the terminal (tip) portion of the stem with side buds, leaves and flowers in identifiable condition.
2. Place the sample flat between a layer or two of **DRY** newspaper, paper toweling or similar absorbent material. Try to prevent excessive folding of the leaves and place flowers so that you are looking into the center of the flower.
3. Pack the wrapped bundle in plastic, preferably with a piece of cardboard to keep the sample flat.
4. **NEVER PLACE ANY FRESH PLANT SAMPLE DIRECTLY IN PLASTIC!**
5. **NEVER ADD WATER TO THE SAMPLE.**
6. Shake excess water from **AQUATIC WEED SAMPLES** and place in plastic bag.
7. Wrap whole, uncut fruit specimens in paper, place in a strong box, and pack with additional paper to prevent crushing.
8. Package in sturdy crush-proof container and pack with additional paper to prevent shifting.

SUBMITTING INSECT SPECIMENS

Care should be taken to package insects so that they arrive unbroken. Be sure to separate and label the insects if two or more are included in the same package and provide appropriate information on each.

1. **TINY AND/OR SOFT-BODIED SPECIMENS:** such as aphids, mites, thrips, caterpillars, grubs, and spiders should be submitted in a small leakproof bottle or vial of 70 percent alcohol. Rubbing (isopropyl) alcohol is suitable and readily available. Do not submit insects in water, formaldehyde or without alcohol as they will readily ferment and decompose.
2. **HARD-BODIED SPECIMENS:** such as flies, grasshoppers, cockroaches, wasps, butterflies and beetles can be submitted dry in a crush-proof container. Do not tape insects to paper or place them loose in envelopes.

QUESTIONS ABOUT THIS FORM

1. If you have any questions about this form or need to contact the lab please email us at ppdl-samples@purdue.edu.
2. If you have photos of your physical submission the above email address should also be used. Please state in your email that you are sending a physical sample.