

Plant & Pest Diagnostic Laboratory

LSPS - Room 116, Purdue University
915 W. State St, West Lafayette, IN 47907-2054
765-494-7071 FAX: 765-494-3958
Email: ppdl-samples@purdue.edu
Website: <http://www.ppdl.purdue.edu>



(PPDL-1-W)

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

Submitter's Name _____ **Client, Check if same as submitter.**
Business _____ Client Name/Business _____
Address _____ Address _____
City _____ State _____ City _____ State _____
Zip _____ County _____ Zip _____ County _____
Phone _____ Phone _____
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!

_____ Perform only routine diagnosis (\$11 in-state/\$22 out-of-state)
_____ Please notify submitter if additional fees for advanced testing are needed
_____ Perform additional advanced testing if necessary (up to \$50)

Email reply to: _____ Submitter _____ Client
Surface mail to: _____ Submitter _____ Client
Send invoice to: _____ Submitter _____ Client
_____ Copy Extension Educator

Information about Submitter/Client (please check one each for submitter & client)

Submitter	Client	Submitter	Client
_____	_____ Extension Educator	_____	_____ Landscaper
_____	_____ Homeowner	_____	_____ Greenhouse/Nursery
_____	_____ Farmer	_____	_____ Purdue Specialist
_____	_____ Consultant/Dealer	_____	_____ Other _____

Check information desired:
_____ Problem identification
_____ Specimen identification
_____ Control recommendations
_____ Other _____

Plant and Pest Information

Plant/Host: _____ **Cultivar/Variety:** _____ **Field ID:** _____

Location (choose one): _____ In dwelling _____ Greenhouse _____ Field/Farm
_____ Tree/Shrub _____ Nursery _____ Aquatic
_____ Orchard _____ Animal/Human _____ Other _____
_____ Stored grain/Food product _____ Flower/Vegetable Garden
**Turf/Lawn and Golf Course samples use form PPDL-5-W

Degree of Damage (choose one): _____ Heavy _____ Medium _____ Light

Insect Problem? (choose one): _____ Damaging plant
_____ Biting/Stinging
_____ Infesting food
_____ Nuisance

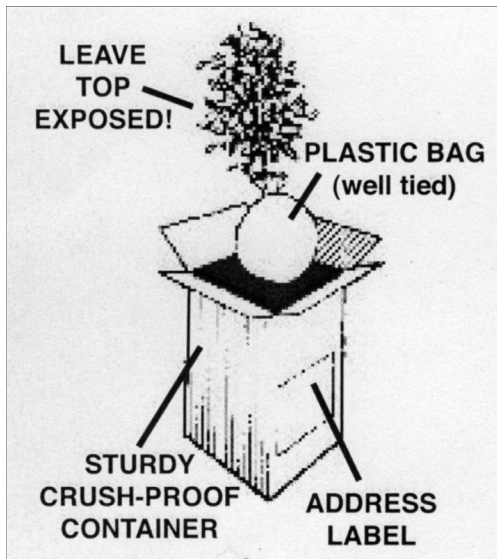
for Plant/Weed Identification Only

Plant type:	Plant size:	Flowers:	Fruits:	Plant age:
_____ Tree _____ Deciduous _____ Height _____ Color _____ Color _____ Annual	_____ Shrub _____ Evergreen _____ Width _____ Month(s) _____ Month(s) _____ Perennial	_____ Groundcover _____ Herbaceous _____ Size _____ 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 form in separate zip lock bag along with the specimen.

HOW TO COLLECT AND SHIP SPECIMENS

1. Collect fresh specimens. Send an ample amount of material, if available.
2. Ship in crush-proof container immediately after collecting. If holdover periods are encountered, keep specimen cool. **MAIL PACKAGES EARLY IN THE WEEK TO ARRIVE BY THURSDAY.**
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:** Please use form [PPDL-5-W](#) for all turf samples. Instructions and new charges are listed on form.

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, preferable 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.