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
http://www.ppdl.purdue.edu

PURDUE UNIVERSITY

(PPDL-1-W) 1/14

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

Date:_____

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

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

Please include a check or money order (payable to Purdue University) for $11 per sample ($22 out-of-state clients). DO NOT SEND CASH.
Send invoice to ☐ **Submitter** ☐ **Client**

☐ 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)

Mail reply to: ☐ Submitter ☐ Client
Fax reply to: ☐ Submitter ☐ Client
Email reply to: ☐ Submitter ☐ Client
☐ Copy Extension Educator

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

Submitter	Client		Submitter	Client	(continued)
☐	☐	Extension Educator	☐	☐	Pest Control Operator
☐	☐	Homeowner	☐	☐	Nursery
☐	☐	Farmer	☐	☐	Lawn or Tree Care Co.
☐	☐	Dealer/Industry Rep.	☐	☐	Garden Center
☐	☐	Golf Course	☐	☐	Consultant
☐	☐	Landscaper	☐	☐	Purdue Specialist
☐	☐	Greenhouse	☐	☐	Other _____

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

Plant and Pest Information

Plant or Host: _____ Cultivar/Variety: _____

Location (choose one):
☐ In dwelling
☐ Tree/Shrub
☐ Turf/Lawn
☐ Golf Course
☐ Flower bed
☐ Vegetable garden
☐ Field/Farm
☐ Greenhouse
☐ Nursery
☐ Orchard
☐ Animal/Human
☐ Aquatic
☐ Stored grain/Food products
☐ Other _____

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:
☐ Tree ☐ Deciduous
☐ Shrub ☐ Evergreen
☐ Vine
☐ Groundcover
☐ Herbaceous

Plant size:
_____ Height
_____ Width

Flowers:
_____ Color
_____ Month(s)
_____ Size

Fruits:
_____ Color
_____ Month(s)
_____ Size

Plant age:
_____ Annual
_____ Perennial (# years _____)

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

Additional Plant and Site Information

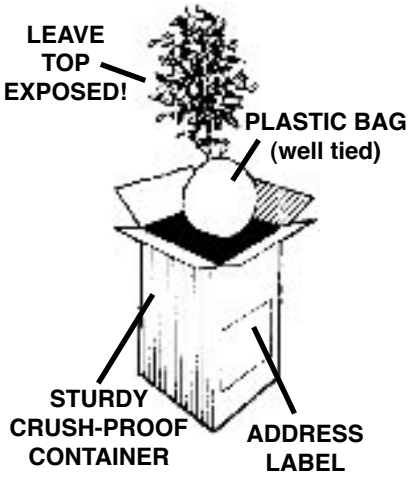
Approximate age: _____ Height: _____ Number of years at present site: _____
Exposure: ☐ Full sun ☐ Partial shade ☐ Full shade ☐ Windy ☐ Protected Irrigation frequency: _____
Root disturbance from: ☐ sidewalks/driveway construction activities (describe): _____
Size of planting: _____ % of plants affected: _____ Date first noticed problem: _____
Date planted: _____ Tillage practices: _____ Previous crop: _____
Chemicals/fertilizers applied (past 2 years)(include rates): _____
_____
Soil type: ☐ sandy ☐ clay ☐ silt ☐ loam ☐ organic Soil pH: _____

DESCRIBE THE PROBLEM (Include symptoms, plant parts affected, pattern of occurrence, etc. Attach separate sheet if necessary):
_____
_____
_____
_____

Your tentative diagnosis/ID: _____

USDA Permit # P526P-18-02771

Print Form



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.