



# UNIVERSITY OF WYOMING

## EXTENSION

To submit a plant sample for diagnosis or identification, please print and fill out this form as completely as possible. Plant identification is critical in diagnosing plant problems. It can be difficult without seeing the entire plant. Please include as much of the plant as is practical and if possible include leaves, flowers, fruit, seed, stems, and twigs. Photographs may be included with the sample. For plant problem diagnosis, collect infected plant parts and package the sample in a plastic bag, and send this form with your sample to:

Chris Hilgert  
 Department 3354  
 1000 E. University Ave.  
 Laramie, WY 82071

### Ornamental Landscape or Home Garden PLANT PROBLEM DIAGNOSIS

Client Name:  
 Client Contact Information:  
 Phone \_\_\_\_\_  
 Email \_\_\_\_\_

**TYPE OF PLANT:**

broadleaf tree    fruit tree    conifer    shrub/vine    ground cover  
 flower    small fruit    vegetable    houseplant

Name of plant \_\_\_\_\_ (if known)

Age of plant \_\_\_\_\_ Size of plant - approximate size (height and/or width) \_\_\_\_\_

When did you first notice the problem (approx. date)? \_\_\_\_\_

happened quickly    happened gradually    is getting worse    is not getting worse

Are other plants in your landscape/garden similarly affected?  Yes  No

**Patterns:**

On affected plant:

started at bottom and moved up    started at top then moved down  
 entire plant is affected    damage only to the tips of branches  
 damage only on one side    damage only on inside branches  
 (N  S  E  W )

**Plant Parts Affected and how (check all that apply):**

**Flowers**

- spots
- wilted
- distorted
- other

**Fruit**

- blotches
- dry
- distorted
- rotten/mushy
- other

**Leaves/needles**

- spots  wilted
- fall off  rolled
- distorted
- yellowish  brown
- other

**Roots**

- brown (internally)
- rotted
- chewed
- few roots
- other

**Twigs**

- dead
- decayed area
- sticky/weepy
- other

**Stems**

- dead
- decay area
- sticky/weepy
- other

**Large Branches**

- dead
- decayed area
- sticky/weepy
- other

**Trunk**

- dead/losing bark
- decayed area
- sticky/weepy
- other

**Whole Plant**

- wilted
- distorted
- stunted
- other

**How was the plant planted?**

- balled & burlapped  peat/manure/compost  fertilizer applied at planting
- plastic pot  added to backfill  or right after planting
- bare root  planted by landscaper  planted by previous owner
- peat/paper pot

**Have you checked the base of the plant(s) and/or roots to look for signs of problem or injury? \_\_\_\_\_**

If Yes, describe what you found \_\_\_\_\_

**Method & frequency of watering \_\_\_\_\_**

**Do you ever check to see how deep the water penetrates your soil?**

\_\_\_\_\_

**Soil type:**

- sandy soil  clay soil  good drainage  white crust on top of soil
- loamy soil  rocky soil  poor drainage  shallow soil 6" or less

**Chemicals applied to plant(s) or to nearby plants in the last year:**

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**Do you use a separate sprayer when applying weed-killers and insecticides/fungicides?** \_\_\_\_\_

**Where in the landscape is the plant situated?**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> in garden             | <input type="checkbox"/> next to driveway          | <input type="checkbox"/> under eaves                |
| <input type="checkbox"/> in lawn               | <input type="checkbox"/> next to pool              | <input type="checkbox"/> in shade                   |
| <input type="checkbox"/> in landscape bed      | <input type="checkbox"/> next to garage or carport | <input type="checkbox"/> full sun                   |
| <input type="checkbox"/> on a lot line         | <input type="checkbox"/> next to road              | <input type="checkbox"/> windy location             |
| <input type="checkbox"/> on a slope            | <input type="checkbox"/> next to house             | <input type="checkbox"/> exposure (N__ S__ E__ W__) |
| <input type="checkbox"/> in nursery/greenhouse | <input type="checkbox"/> next to fence/deck/patio  | <input type="checkbox"/> other                      |

**Have any of these happened to your affected plant or nearby in the past 3-5 years?**

- \_\_\_\_ construction or heavy equipment over soil
- \_\_\_\_ change of soil grade - landscaping, pool installation
- \_\_\_\_ soil/root injury - septic work, trenching, root removal or cutting, pool installation, construction
- \_\_\_\_ addition to soil of a volume of organic matter or other soil additives
- \_\_\_\_ trunk, bark injury - injury to plant from lawn mower or weed eater, staking wire, rope, twine
- \_\_\_\_ extreme drought - no irrigation for several months in spring, summer, or fall months
- \_\_\_\_ driveway or road paving nearby