

# Diagnosis Examples Using the Basic Resource Books

## EXAMPLE #1

While at a plant clinic, you receive apple leaves, the undersides covered with small greenish critters and whitish debris. If you don't know what the problem is, a good place to start is in *Landscape Plant Problems*.

- You look in the contents or you flip through the apple insect/mite section to see if there is a picture that matches the critters on the sample.
- Since nothing in the apple section's descriptions or photos matches your critters you then can check the *Other Problems* box. There is a listing for Aphids (CI-1).  
In the abbreviation (CI-1), CI stands for **Common Insects** and the 1 stands for the first description in that section.
- You turn to the Common Insect pages and find the first description.
- You see that the description and photo matches the sample.

Now that you have a *tentative* diagnosis, use the *PNW Insect Management Handbook* to verify your conclusion, then to obtain management recommendations.

- You look for Apple in the Home Use section, then in the Home Orchard-Fruit Tree Pests section.
- You find an entry **Apple – Apple aphid**. Read the information on the pest's description and crop damage, biology and life history, scouting and thresholds, and management recommendations. Does the description fit the sample?  
If yes, look at the suggestions for management. (If not, start over.)
- All of the control recommendations are appropriate for homeowners because you are in the **Home Use** section where the footer is **Recommendations for Home Use**.
- **Warning:** If the recommendations are in oz/gal or lbs/acre, you are in the commercial section where the footer is **Recommendations for Commercial Use**.

## EXAMPLE #2

A client brings you a few apples with rough, somewhat corky tissue on the outer surface. You look at the insect and disease descriptions and don't see anything that matches. Could it be a cultural/environmental problem?

- You look in the *yellowish- orange* box and notice six listings for *Cultural/ Environmental* problems.
- You flip through them and find a photo and description matching the samples, Apple Fruit Russeting (A-20).

Now that you have a *tentative* diagnosis, use the *PNW Plant Disease Management Handbook* to verify your conclusion, then to obtain management recommendations.

- You look up Apple and find Fruit Russeting. Does the description fit the sample?  
If yes, look at the management suggestions. (If not, start over.)
- There are many reasons for fruit russeting, including cultural and disease problems.
- Give the client all the Cultural Control recommendations.  
Among the chemical controls, only one is marked with **H**.