Manage Pests Responsibly

Homework Questions

(You may have to go beyond your reading assignments and do Google searches to find some of these answers.)

1. What’s the first step in pest control?

2. Select the one best answer: Before buying a pesticide at a garden center, you should
   a. Call your Extension agent
   b. Read the label
   c. Try soapy water on the pest
   d. Ask for sales assistance

3. Roundup and Rodeo are pesticides that both contain the active ingredient ___________. Can both be used in your home landscape to control weeds?
   _______ Yes _______ No   Defend your answer:

4. Which of the following MUST be on the pesticide label for you to legally use the pesticide for the intended use?
   a. pest that you wish to control
   b. statement that allows “home use”
   c. site where you wish to apply the pesticide
   d. specific plant to which you wish to apply the pesticide

5. What general type of insect does Bacillus thuringiensis var. kurstaki control?

6. Horticultural oil and insecticidal soap will not control
   a. aphids
   b. caterpillars
   c. lacebugs
   d. mites

7. Circle all of the following that are true. Imidacloprid …
   a. is a systemic insecticide for use on plants.
   b. is the active ingredient in Advantage, a product for fleas on dogs and cats.
   c. is the active ingredient in Premise for termite control.
   d. is the active ingredient in Bayer Advanced Garden Tree and Shrub Insect Control.
   e. can be applied as a drench.
8 What is Azadirachtin?

9 This is a greatly enlarged photo of what insect?

   What kind of grass does this insect affect?

   Where in the lawn does damage first occur?

10 This is damage from what lawn pest insect?

   Why isn’t the insect visible?

11 The ring nematode is more damaging to _________ grass than to other types of warm-season turfgrasses.

12 What is the treatment for take-all root rot in a lawn?
Note the browned, decayed area where the sheath of the grass blade attaches to the stem. If you pull on this area the sheath readily comes off. This is indicative of what organism causing the disease?

14 What are control measures recommended for gray leaf spot of St. Augustinegrass?

15 For most weeds, what is the proper time to apply atrazine for preemergence lawn weed control in the spring?

And what is the timing in the fall?

16 The statement, “AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT”, comes from what pesticide label?

17 Which is easier to control in a bed of petunias, marigolds, etc?
   a Broadleaf weed
   b Grassy weed
   c Sedge
A caller to the Extension office complains about a pileated woodpecker making holes in the fascia board on his house. What would you advise?

Your pesticide company tells you that you need to have your house retreated for termites. Do you?

What is the active ingredient in Over 'n Out! Fire Ant Killer?