

# DEALING WITH DISEASES

## THERE IS FUNGUS AMONGUS!

### General Guidelines for a Healthy Disease Free Yard...

- Debris cleanup
- Proper pruning
- Air circulation
- Right plant in the right place – shade/sun
- Drainage
- How disease cycle starts on plants
- Avoid overhead watering
- Watch plants early and often
- Watch the weather – rainy springs means more disease
- Choose the right spray
- Spray at proper time
- Learn how/when to spray
- Clean your pruners when cutting diseased plant
- You feed your children – feed your plants
- Get a diagnosis if you aren't sure – cultural damage vs. disease

### Most Common Diseases In Our Yards...

**Turf** – Red thread, pink thread, snow mold, dollar spot

- Natural – Try Bonide's Neem Oil to suppress, Bonide's Revitalize disease control (Bacillus) also. Must repeat application to be effective.
- Chemical – Infuse Lawn granules or hose end spray to cure
- Mushrooms in turf – Consan 20 works great as spray in turf to control mushrooms

**Roses** – Black spot, powdery mildew, rust

- Natural – Use Bonide's Rose Rx (Neem Oil) or Biofungicide (natural Bacillus)
- Chemical – Use Bonide's Rose Shield Systemic (root pour) every 6 weeks, or spray Bonide's Rose Shield concentrate once a month.

**Fruit Trees/Berries** – Scab, blight, mildew, rust, peach leaf curl, mummy berry

- Natural – Use Bonide's Orchard Spray in season, use Monterey Horticultural Oil/Liquicop in season and/or as dormant spray.
- Chemical – Only safe ones are Fungonil and Copper. Fungonil is also only control for Mummy Berry on blueberries. Copper is superior spray for Peaches/Apricots/Nectarines.

**Flowering Cherries/Plums** – Blossom blight

- Natural – Use Liquicop or Copper Fungicide before and after bloom
- Chemical – Lots of options out there

### **Dogwoods** – Anthracnose

- Natural – Dormant spray with Copper Fungicide
- Chemical – Lots of options including Fungonil

### **Vegetables/Tomatoes** – Leaf spots, blights

- Natural – Bonide's Tomato and Vegetable Spray (sulfur), Rot Stop to correct Calcium deficiencies, Neem Oil, Bonide's Revitalize disease Control (Bacillus).
- Chemical – Fungonil is safe for edibles watching the spray before harvest for crops

### **Rhododendrons/Azaleas/Camellias** – Leaf spots, powdery mildew, root rots, sooty mold, leaf gall

- Natural – Try Copper Fungicide, Bonide's Revitalize disease Control (Bacillus).
- Chemical – Fungonil, Infuse Systemic Fungicide (liquid only).

### **General Deciduous Trees and Shrubs** – problems of all kinds

- Natural – Use some form of Copper, Revitalize disease Control (Bacillus)
- Chemical – Use Fungonil (phase one), and Infuse (phase two – but never on edibles)

### **Conifers** – Needle cast, tip blights

- Natural – Use Copper
- Chemical – Use Fungonil

- **Remember to choose the right spray for your problem!**
- **Remember timing is everything! Don't wait until it is too late!**
- **Remember to GO GREEN and use natural/organic products when you can! Be proactive and stay ahead with organics.**
- **Always read label instructions and use properly!**

## **INSIDIOUS INSECTS**

### **WATCH FOR THEM EARLY!**

### **General Guidelines For A Healthy Insect Free Landscape...**

- Debris cleanup
- Right plant in the right place
- Watch plants early and often
- Choose the right spray
- Spray at proper time
- Learn how to spray

- What happened last season? Dormant spray and be proactive the next season!
- Topical vs. systemic vs. organic
- Know your plants and what they are prone to attract
- Keep in mind adults vs. larvae vs. eggs
- Always get a diagnosis if you aren't sure

## **Most Common Insects In Our Yards...**

### **Sucking Types** – Aphids, whiteflies, mites

- Natural – Try Neem Oil, Insecticidal Soap, Monterey Insect Spray, Bon-Neem
- Chemical – Systemic insecticides, Bonide's Eight (very safe and broad use), Tree and Shrub Systemic (root pour)

### **Chewing Types** – Leafminers, leafrollers, leafhoppers, caterpillars, cutworms

- Natural – Use Bonide's Captain Jack's Deadbug Brew, Insecticidal Soap, BT, Monterey's Insect Spray, Apple Maggot lures and traps, Apple Maggot footies
- Chemical – Use systemic insecticides, Bonide's Eight

### **Clinging Types** – Borers, mealybugs, scales, Japanese beetles

- Natural – Neem Oil will help with some, Monterey Horticultural Oil, Captain Jack's Deadbug Brew, Monterey's Insect Spray.
- Chemical – Use Bonide's Tree Shrub Systemic (root pour but not on edibles!), Systemic Insect Control (spray but not on edibles!)

### **In Ground** – Root weevils, wire worms, crane fly, grubs, slugs

- Natural – Bonide's Deadbug Brew, Bonide's Bug and Slug Killer, Tanglefoot, Sluggo, Sluggo Maxx.
- Chemical – Bonide's Eight (dust or granular and edibles safe), Bonide's Grub Control (turf)

- **Remember to choose the right spray for your problem!**
- **Remember timing is everything! Don't wait until there is an infestation!**
- **Remember to go green and use natural/organic products when you can. Be proactive and stay ahead with organics.**
- **Always read labels and follow instructions!**