

INTERVENTIONS AND CURES FOR COMMON ROSE GARDEN PROBLEMS (4/08)

PROBLEM / RECOMMENDATION **AMOUNT / GALLON** **INTERVALS and / or NOTES**

BLACK SPOT (Usually circular black spots with feathery edges, which begins during wet weather. Begin spray program in early spring as new growth begins to emerge for best control. Alternate two types of sprays for best results.)
Ortho Garden Fungicide (Chlorothalonil) ## 2 ½ teaspoons 7-14 day intervals, spring & fall, as needed
Daconil Ultrex (Chlorothalonil)(wetttable powder) ½ Tablespoon 10-14 day intervals, spring & fall, as needed
Banner Maxx (14.3% propiconazole)..... 1/3 teaspoon 14-21 day intervals, spring & fall, as needed
Mancozeb (Dithane 45, Fore)..... 1 Tablespoon 7-10 day intervals, spring & fall, as needed
Ortho Rose/Garden Fungicide*(funginex) 1 Tablespoon 7-14 day intervals, spring & fall, as needed
Immunox (myclobutanil)..... 2 Tablespoons 10 day intervals, spring & fall, as needed
Rose Defense* (neem oil) 2 Tablespoons 10-14 days intervals, as needed
Sodium Bicarbonate* (baking soda) 1 Tablespoon Every 7 days, add spreader/sticker such as Sun Spray Ultrafine Spray Oil (2½ Tablespoons per gallon.)

POWDERY MILDEW (Mildew occurs when afternoons are warm, 70-80 degrees, followed by cool nights.)
Immunox*## (myclobutanil) 2 Tablespoons 10 day intervals when needed
Rally 40W (Eagle, Systhane) (myclobutanil) ## 1 teaspoon 10-14 day intervals when needed
Banner Maxx (propiconazole)..... 1/3 teaspoon 10-14 day intervals when needed
Ortho Rose Fungicide (previously funginex) 1 Tablespoon 7-14 day intervals when needed
Erase (Jojoba bean oil) 4-5 teaspoons 7 day intervals, states it is an eradicant
Remeday (potassium bicarbonate) 2 Tablespoons 7 day intervals when needed
Sodium Bicarbonate* (baking soda)..... 1 Tablespoon Every 7 days, add spreader/sticker as above
Daily late afternoon water washing of the foliage with emphasis on the new top growth*

RUST (Small orange spots/pustules on the bottom of leaves in spring & summer, black pustules in the fall.)
Mancozeb (Fore, Manzate) ## (Green Light) 1 Tablespoon 7 day intervals when needed
Ortho Rose/Shrub Disease Control 1 Tablespoon 7-14 day intervals when needed
Cleary's 3336 (thiophanate-methyl) 1-3 teaspoons 7-10 day intervals when needed

SPOT ANTHRACNOSE (Seen early in the spring during wet weather, small round black spots on the leaves.)
Mancozeb (Dithane 45, Fore)..... 1 Tablespoon 7 day intervals when needed
Immunox (myclobutanil)..... 1-2 Tablespoons 10 day intervals when needed

DOWNY MILDEW (Blotchy black smudges often with flat edges, usually on young leaves, followed by defoliation.)
Ortho Garden Fungicide (Chlorothalonil) 2 ½ teaspoons 7-14 day intervals, spring & fall if seen
Mancozeb (Dithane 45, Fore)..... 1 Tablespoon 7-10 day intervals when needed
Pace 4/5 Tablespoon 7-10 day intervals when needed
Aliette## 2 ½-5 teaspoons 7-10 day intervals when needed
Stature Follow label instructions. Follow label instructions

APHIDS & MOST OTHER INSECTS

Bayer or Ortho Garden Insect Killer ## 2 Tablespoons Only when necessary
Malathion 50 Plus 2 teaspoons Only when necessary
Rose Defense (neem oil)* As directed Only when necessary
Safer Soap* 2-5 Tablespoons Only when necessary

FOLIAGE EATING GREEN WORMS (Often found in rolled up leaves.)

Bayer or Ortho Garden Insect Killer ## 3 Tablespoons Only when necessary
Thuricide*, Bt 4 Tablespoons Only when necessary
Hand removal when they are present*

MITES (Very small insect like arthropods (spiders) which cause leaves to dry up and fall off in hot weather.)

Hard water spray of whole bush every other day, especially under leaves during hot weather*
Avid*## ½ teaspoon 2 applications at 4-7 day intervals, as needed
Floramite (bifenazate)..... 1/8 - 1/4 teaspoons Only when necessary - Monthly

THRIPS (Tiny insects found between the petals of the flowers which cause browning of petal edges.)

Conserve SC (spinosad) *## 1/3 teaspoons 2 weeks, as needed
Ortho Systemic Insect Killer (acephate) 2 Tablespoons 2-3 day intervals, mist flowers as needed
Avid *## ½ teaspoon 2-3 day intervals, mist flowers as needed

MIDGE (Die back of many cane tips which turn black and become dry, which causes roses to fail to bloom.)

Bayer Complete Insect Killer for Soil & Turf ## .As on package 1-2 applications (Granular Product)
Triazicide (lambda-cyhalothrin) As on package 1-2 applications (Granular Product)
Nematodes* As On package One application may be sufficient

*Least toxic method of control for the particular problem, when two are * one is a "non-chemical" approach.

Probably the most effective chemical product for the problem listed.

ROSE DEFENSE, an organic product, states that it controls almost all rose problems, both disease and insects.

SAFER GARDEN FUNGICIDE is an organic product that uses ultra-fine sulfur to control certain rose diseases.

COMMON EQUIVALENTS 3 teaspoons = 1 Tablespoon 2 Tablespoons = 1 Fluid Ounce

Always Read the Package Directions Before Using Any Garden Chemical Because the Concentrations May Vary From One Manufacturer to Another and the Recommended Amounts May Vary for Control of Various Pests.

For more information on a pesticide call EPA's National Pesticide Telecommunications Network (800) 858-7378

(For hard to find products try www.primaryproducts.com or www.rosemania.com on the internet)