

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 2 teaspoons | 7-14 day intervals, spring & fall, as needed |
| Daconil Ultrex (Chlorothalonil)(wetable powder) | 2 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 (22 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 erradicant |
| 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 2 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 2-5 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*## | 2 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 *## | 2 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) |
| <u>Nematodes*</u> | <u>As On package</u> | <u>One application may be sufficient</u> |

*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)