

## INTERVENTIONS FOR COMMON ROSE GARDEN PROBLEMS 2020

The following information is related to what is available currently at local nurseries. When looking into garden chemicals it is the active ingredient that you are actually looking for. Several brands may have the same active ingredient but are sold under different shelf names.

PROBLEM	RECOMMENDATION	AMOUNT / GALLON	INTERVALS and / or NOTES
<b>BLACK SPOT</b> (Begins and thrives in wet conditions, usually circular black spots with feathery edges, leaves turn yellow and fall off. Begin spray program in early spring as new growth begins to emerge for best control.)			
	Bonide Fung-onil ## (chlorothalonil) ....	1 ½ teaspoons .....	7-14 day intervals
	Bonide Infuse (propiconazole) .....	½ Tablespoon .....	14 day intervals spring & fall, as needed
	Mancozeb (dithane 45, fore) .....	1 Tablespoon .....	7-10 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 day intervals, as needed
	Bi-Carb * (potassium bicarbonate) .....	1 Tablespoon .....	Every 7 days, add spreader/sticker
	Natria* or Serenade* (bacillus subtilis)...	Per directions on container, they vary	
<b>POWDERY MILDEW</b> (Spreads with warm afternoons followed by cool nights with high humidity .)			
	Immunox*## (myclobutanil) .....	2 Tablespoons .....	10 day intervals when needed
	Bonide Infuse (propiconazole) .....	as directed .....	10-14 day intervals when needed
	Bi-Carb Old Fashioned Fungicide* .....	1 Tablespoon .....	Every 7 days, add spreader/sticker
	Daily late afternoon water washing of the foliage with emphasis on the new top growth*		
<b>RUST</b> (Small orange spots/pustules on the bottom of leaves in spring & summer, black pustules in the fall.)			
	Immunox (myclobutanil).....	2 tablespoons.....	10 day intervals as needed
	Mancozeb ## (fore, manzate) .....	1 Tablespoon .....	7 day intervals when needed
	Ortho Rose/Shrub Disease Control .....	1 Tablespoon .....	7-14 day intervals when needed
<b>SPOT ANTHRACNOSE</b> (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
<b>DOWNY MILDEW</b> (Blotchy black smudges with flat edges, usually on young leaves, followed by defoliation.)			
	Bonide Fung-onil (chlorothalonil) .....	2 teaspoons .....	7-14 day intervals, spring & fall if seen
	Mancozeb (dithane 45, fore) .....	1 Tablespoon .....	7-10 day intervals when needed
	Aliette## .....	2-5 teaspoons .....	7-10 day intervals when needed

### Products that I found for sale in May of 2018:

With Propiconazole:	1) Bonide Infuse 1.55% propiconazole, 2) Fertilome Liquid Systemic Fungicide 1.55% propiconazole
With Daconil:	1) Garden Tech Daconil 30% chlorothalonil, 2) Bonide Fung-Onil 30% chlorothalonil
With Myclobutanil:	1) Spectricide Immunox 1.55% myclobutanil
With Copper:	1) Bonide copper, 10% copper octanoate
With Sulfur:	1) Bonide sulfur, 2) Safer Garden Fungicide Sulfur
With Neem Oil:	1) Monterey Neem Oil, 2) Bonide Neem Oil
With Bacillus subtilis:	1) Bayer Natria bacillus subtilis, 2) Serenade bacillus subtilis
With Captan:	1) Hi-Yield 20% captan
With Tebuconazole	1) this is applied as a drench to the roots of the plant and is found in a number of the three-in-one products being marketed

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