

Rosemania

Rosemania Recommends:

**How to Control
Insects and Mites**
by: **Robbie Tucker**



Hopefully you have continued to spray your preventative fungicides on a regular schedule and your roses are free of disease. If you find yourself with blackspot, be sure to use **Mancozeb** or **Pentathlon** to eliminate it and then go back to alternating **Banner Maxx** and **Compass** every two weeks.

Merit

Bayer - Purcell brings us the latest secret weapon for aphids and Japanese Beetles. We originally used this product to control aphids that had become resistant to Orthene. Wow, does it really work! The big bonus was how effective it was on Japanese Beetles. The recommended application rate for roses is 1/8 teaspoon per gallon of spray solution applied every other week.



\$59.99 (2oz granular)

If you find your roses have aphids, then **Orthene** or **Merit** will work well. Of the two, I prefer **Merit** as I find it controls a larger number of pests than **Orthene**, including Japanese Beetles. Our phone calls indicate that many of you are dealing with an insect called the "thrip". These are tiny insects that love to get inside your rose blooms and suck all the juice out of the petals. They start on the outside petals causing them to lose their substance and making it impossible for the bloom to open. You will notice the

edges of light colored roses turning brown. Many think the thrip prefers the lighter colored roses but I believe they are just easier to recognize on lighter colors than reds. You can positively identify the culprit by opening up an affected bloom. You will see what looks like many tiny hopping wood splinters running around

Conserve SC **\$129.95 (quart)**



Recent studies on thrip control have revealed the effectiveness of Conserve, a spinosad insecticide. Spinosad is derived from a soil dwelling bacteria. Studies at Ohio State University found that Conserve was significantly better than Orthene at controlling thrips while retaining high numbers of beneficial insects. Conserve also works great for control of bud worms, bag worms, fall webworms, gypsy moth, and spruce budworms. Usage is 1/3 (one third) teaspoon per gallon.

the inside of the blooms. Some of you in Florida and southern states are also dealing with the dreaded Chilean thrip. This species not only attacks the blooms but also can attack the foliage of the plant. Both types can be difficult to control.

For years the preferred method was to mist the blooms with **Orthene** daily. The reason you only mist the blooms is to keep from killing all the beneficial insects in your garden from heavy pesticide use. With the introduction of **Conserve SC** a few years ago, it is now much easier to control thrips and various bud worms and caterpillars. **Conserve** is a new kind of insecticide derived from a bacteria. It will not kill beneficial insects like lady bugs and praying mantis but will do a great job of controlling thrips. I like to start adding **Conserve SC** to my regular spray mix in

the spring as soon as I see buds forming. I continue to use the **Conserve** until the end of July and then I give it a break until mid September. This preventative program has served me well the past three years. If you have an infestation of thrips, you may want to combine **Conserve** with **Merit** for a quick knockdown.

Another good idea is to treat the thrips in the "soil stage". To do this, go to your preferred garden center and look for a Lawn and Garden Grub Killer. Be sure to read the label. You want a product that won't kill earthworms. Broadcast this as per the manufacturer's instructions in your bed and the surrounding lawn. This will kill the thrips in the soil. As an added benefit, it will also kill any grubs that will later become Japanese beetles.

Another good insecticide is **Talstar**. It will give good control of aphids and will also kill cucumber beetles. The cucumber beetle can look different depending on the geographical location but in most areas

Insecticides

Conserve SC (Great for thrips!)	\$129.95
Merit (2 oz) (for aphids and J. Beetles)	\$59.99
Orthene 97 WP (.773 lb)	\$24.99
Mavrik (quart)	\$145.00
Neem Oil (pint)	\$21.50
Systemic Insect Killer(aka Isotox pint)	\$21.50
Talstar Professional (quart)	\$99.99

they appear to be a green ladybug. The cucumber beetle will eat holes in your bloom and can be a big nuisance.

Remember that insecticides are rarely selective. With the exception being **Conserve SC**, most all the others will also kill beneficial insects like lady bugs and praying mantis that eat spider mites and other pests. Therefore, do not use them in your regular spray intervals unless you have a specific insect problem. Overuse of pesticides will almost guarantee you a terrific case of spider mites.

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So what is a spider mite? Spider mites are not insects but are more closely related to ticks and spiders. For this reason, insecticides will not kill them. A miticide is required, and unfortunately they are expensive. The spider mite's name is derived from their ability to produce silk (webbing) that is noticeable in severe cases. They are very tiny and hard to see unless you have excellent vision or a magnifying glass. This is why infestations

Forbid Miticide/Ovicide

Forbid offers outstanding knockdown and residual control of mites and whiteflies. The active ingredient in Forbid, spiromesifen, represents a new class of chemistry from Bayer Environmental Science, called the tetramic acids. Thanks to its novel mode of action, foliar-applied **Forbid** offers growers an effective tool for management of mites resistant to conventional products. It features translaminar activity, controlling mites on both sides of leaves, and has activity from egg through adult life stages (*This means you can spray the top of the leaves and Forbid will still kill mites on the underside!*) Usage is only 1/8 to 1/4 teaspoons per gallon of spray solution.



\$269.99 - 8oz

often go unnoticed until plants exhibit significant damage. They over-winter as adult females in the soil and they move to your roses bushes in the summer and climb to the lower leaves and work their way up the plant.

The best thing is to know what to look for. The very first sign on tender green leaves is a lighter green coloring in the middle part of the leaf. The mites almost always prefer the underside of the leaves and this is where you will most likely find them. On more mature leaves you will see the dark green color turn a purplish yellow. You will also notice the underside to be brown and there will be little white deposits on the underside that almost look like salt crystals.

There are three life stages of mites: eggs, larvae, and adults. Larvae have only six legs while the adults have eight. There are now several miticides that are very effective. For most gardens, **Avid** will be the product of choice simply because it is the most economical for a small garden. **Avid** will do an excellent job of controlling adult mites but it will not kill the eggs. Since the complete egg cycle can be as fast as 5 days, it is important to spray the underside of the leaves with **Avid** and then repeat the process in 5 days. Usage is only 1/4 (one fourth) of one teaspoon per gallon so an 8oz bottle will make almost 200 gallons of finished product. After the two applications, do not spray again until you have living mites in your garden. No miticide should be used preventatively. Mites can quickly build up resistance so use common sense and only spray when you have a mite problem.

For several years my favorite miticide has

Miticides

Avid (8oz)	\$108.00
Avid (quart)	\$315.00
Floramite SC (quart)	\$269.99
Forbid (New! 8oz)	\$269.99
Hexygon (6oz)	\$180.00

been **Floramite**. This great product contains both a miticide and an ovicide. This means it kills all stages of mites including eggs. It also has a long residual and continues to kill all stages of mites for up to three weeks! Usage is only 1/2 (one half) of one teaspoon per gallon so a quart is very economical for larger gardens. Be sure to spray the underside of the leaves.

One of the newer products on the market that shows great promise is **Forbid**. Like **Floramite**, **Forbid** kills all stages of mites and has a long residual. What makes it unique? It features translaminar activity. This means you can spray the top of the leaves and **Forbid** will still kill mites on the underside! This is a huge benefit for those who have trouble getting to the underside of leaves or hard to reach places. Usage is only 1/8 to 1/4 teaspoons per gallon of spray solution. **Breaking**

news: **Forbid** had had a major manufacturer price decrease and is now the same price per bottle as **Floramite**.

With any spray material it is very important to have the right equipment. This includes the proper safety equipment to protect your lungs, eyes and skin. Please do not spray any pesticides without protection.

You also need a good sprayer. For years we have offered the great **Spotshot** battery powered sprayer and they continue to sell at a rapid pace. Some of you asked for a smaller battery-powered sprayer and last year we introduced the **EZ Backpack Sprayer** with great success. Now many of you are asking for an even smaller battery powered sprayer you can hold in your hand. I am happy to announce the new **Duromax Battery-Powered sprayer!**

Duromax 1.3 Gallon Battery Powered Sprayer

Finally, a battery-powered sprayer small enough to hold in your hand! We really like the **Duromax** sprayer for small gardens, small jobs like misting blooms for thrips, and spraying herbicides. Perfect for anyone who wants the convenience and ease of battery power without the weight of the backpack sprayer. Never pump another sprayer! Comes with an adjustable nozzle and an 18" wand for a controlled even spray. On/off trigger locking system; 1.3 gallon tank; Shoulder strap adjusts; Sprays up to 5 hours in one charge!

\$89.95 - Free Shipping



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High performance (85psi) Shurflo Pump designed for heavy-duty spraying applications. This pump has Viton valves and a Santoprene diaphragm compatible with most present day horticultural chemicals.

7 gallon high density tank with graduation marks by the gallon; Extra tanks available and easily interchangeable; Sealed 12-volt lead-acid type rechargeable battery complete with battery Charger included; Spotshot's polypropylene spray gun with lockable trigger; The standard version comes with a 30 foot hose and 24 inch wand. The *Special Rosemania Version* comes with an longer 30" wand and 50 feet of hose! An adjustable nozzle and a tee-jet

flat spray nozzle are included in both models. Industrial-type 10" wheels with tires mounted on "no rust" high impact polypropylene wheels.



Standard Version \$399.95

Special Rosemania Version \$439.95

Free shipping to the Lower 48 States!

pH Meters



Kelway HB-2

- Kelway HB2 \$115.00**
- Generic (like HB2) \$84.95**
- Soil pHD \$61.00**

Mills Products

- New BloomKote Time-Released Fertilizer*
- BloomKote 15 lb. resealable bag \$39.99**
 - BloomKote 40 lb. plastic pail \$89.00**
 - Magic Mix (9 lb.) \$14.99**
 - Magic Mix (20 lb.) \$25.99**
 - Mills EasyFeed (9lb) \$39.99**
 - Liquid EasyFeed (1/2 gallon) \$23.99**
 - Liquid EasyFeed (1 gallon) \$39.99**
 - Liquid EasyFeed (5 gallon) \$174.99**



West County Rose Gloves \$32.95 per pair

Fungicides

- Eagle 20EW (pint) \$72.99**
- Banner Maxx (pint) \$72.99**
- Honor Guard (pint; same as B. Maxx) \$57.99**
- E-RASE (pint) for Powdery Mildew \$24.50**
- Compass (8oz) \$229.00**
- Compass (2oz) \$69.99**
- Mancozeb (pint) \$24.99**
- Pentathlon DF (6 lb) \$39.99**
- Pentathlon LF (2.5 gallons) \$95.00**
- Daconil Ultrex (5 lb) \$85.00**
- Clearys 3336F (quart) \$72.99**
- Aliette WDG (5 lb) \$154.95**
- Aliette WDG (4oz NEW!) \$29.00**
- Stature DM (for Downey Mildew) \$139.99**
- CuPro (Kocide) 3lb. \$35.00**
- Decree 2.5 lb \$240.00**

Specialty Products

- Indicate 5 (quart) \$19.95**
- Indicate 5 (gallon) \$41.95**
- Response (quart) \$24.95**
- Response (gallon) \$58.00**
- Sequestrene 330 Fe**
- Chelated Iron (5 lb) \$48.00**

Safety Equipment

- Dual Cartridge Respirator \$34.50**
- Respirator Replacement Cartridges \$17.99**
- Nitril Disposable Gloves**
- 100/box (sizes S/M/L/XL) \$19.99**
- Goat Skin Gloves (S/M/L/XL) \$15.99**
- West County Gloves(S/M/L/XL) \$32.95**
- Mud Gloves (XS/S/M/L) \$8.99**
- Goggles \$18.25**
- Tyvek Coveralls (sizes: S,M,L,XL,XXL)**
- 1 pair \$9.25; 5 - 9 pairs; price each \$7.50**

Banner Maxx

Tired of spraying every week? Banner Maxx has become our best selling preventative fungicide and for good reason..... it is very effective with a 14 day spray interval. For best results, alternate with *Compass*. If you need a more economical alternative, spray your first rotation with Banner Maxx mixed with *Pentathlon DF* or *Mancozeb*. After 14 days, use Banner Maxx alone and continue to repeat this process throughout the growing season. Usage is 1/3 - 2/3 teaspoons per gallon.



\$69.99 - Pint

Valued Customers!

Don't miss your last chance to order our own proprietary miniature roses grown in 3" pots. See our website for our complete rose list with color photos and descriptions.

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