

| Cost of Common Rose Care Chemicals | | | | | | | | | | |
|---|---|-------|------------|----------|--------|--------------------|-----------------|---------------|---------|--|
| Table 1 - Insecticides | | | | | | | | | | |
| Representative Trade Name | Active Ingredient | ai | Size-fl oz | Cost | oz/gal | Cost/ Gal Spray | Weeks Effect | Toxicity | Organic | |
| Insecticides | | | | | | | | | | |
| Dominion 2L | imidacloprid | 21.4% | 28 | \$20.64 | 0.021 | \$0.02 | 1 | III - Caution | | |
| Cyanora 9.7 | lambda-cyhalothrin | 9.7% | 8 | \$24.00 | 0.021 | \$0.06 | 1 | II - Warning | | |
| Demand CS | lambda-cyhalothrin | 9.7% | 8 | \$36.91 | 0.021 | \$0.10 | 1 | III - Caution | | |
| Merit 2F | imidacloprid | 21.4% | 8 | \$41.99 | 0.021 | \$0.11 | 1 | III - Caution | | |
| Tempo SC Ultra | cyfluthrin | 11.8% | 8 | \$65.95 | 0.021 | \$0.17 | 1 | III - Caution | | |
| Mavrik | fluralinate | 22.3% | 32 | \$145.99 | 0.042 | \$0.19 | 1 | III - Caution | | |
| Safari 20 SG | dinotefuran | 20.0% | 72 | \$359.25 | 0.042 | \$0.21 | 2 | III - Caution | | |
| Orthene 97%WP | acephate | 97.4% | 16 | \$29.99 | 0.125 | \$0.23 | 1 | III - Caution | | |
| Bayer Advanced Rose & Flower | cyfluthin + imidacloprid | 0.7% | 40 | \$21.85 | 0.500 | \$0.27 | 1 | III - Caution | | |
| Conserve SC | spinosad | 11.6% | 32 | \$158.00 | 0.056 | \$0.27 | 1 | III - Caution | OMRI | |
| Kontos | spirotetramat | 22.4% | 8 | \$169.99 | 0.017 | \$0.36 | 2 | III - Caution | | |
| Flagship | thiamethoxam | 25.0% | 8 | \$161.99 | 0.021 | \$0.42 | 1 | III - Caution | | |
| Merit 75WP | imidacloprid | 75.0% | 2 | \$42.99 | 0.021 | \$0.45 | 1 | III - Caution | | |
| Talstar P | bifenthrin | 7.9% | 32 | \$99.99 | 0.167 | \$0.52 | 1 | III - Caution | | |
| AzaMax | azadirachtin | 1.2% | 16 | \$74.95 | 0.125 | \$0.59 | 1 | III - Caution | OMRI | |
| Malathion | malathion | 50.0% | 16 | \$18.95 | 0.500 | \$0.59 | 1 | III - Caution | | |
| Rycar | pyrifluquinazon | 20.0% | 8 | \$209.00 | 0.024 | \$0.62 | 2 | III - Caution | | |
| Azatrol | azadirachtin | 1.2% | 4 | \$20.26 | 0.125 | \$0.63 | 1 | III - Caution | OMRI | |
| Stryker | natural pyrethrins + piperonyl butoxide | 66.0% | 16 | \$61.99 | 0.167 | \$0.65 | 1 | III - Caution | Organic | |
| Bayer 2-in-1 Systemic | imidacloprid | 0.2% | 120 | \$24.17 | 4.000 | \$0.81 | 6 | II - Warning | | |
| Pyreth-It | natural pyrethrins + piperonyl butoxide | 66.0% | 16 | \$79.99 | 0.167 | \$0.83 | 1 | III - Caution | Organic | |
| Botanigard ES/Naturalis L | beauveria bassiana | 11.3% | 32 | \$91.99 | 0.333 | \$0.96 | 1 | III - Caution | Organic | |
| Bonide Eight Insect Control | permethrin | 2.5% | 16 | \$18.18 | 1.000 | \$1.14 | 1 | II - Warning | | |
| Safer insecticidal soap | potassium soap | 49.5% | 16 | \$9.58 | 2.500 | \$1.50 | 1 | III - Caution | OMRI | |
| Ortho Rose & Flower | acetamiprid + triticonazole | 1.0% | 32 | \$16.63 | 3.000 | \$1.56 | 1 | III - Caution | | |
| Sevin Concentrate | carbaryl | 22.5% | 16 | \$17.95 | 1.500 | \$1.68 | 1 | III - Caution | | |
| Monterey Insect Control | spinosad | 11.6% | 32 | \$39.99 | 2.000 | \$2.50 | 1 | III - Caution | OMRI | |
| Captain Jack's Deadbug Brew Concentrate | spinosad | 0.5% | 16 | \$24.90 | 2.800 | \$4.36 | 1 | III - Caution | OMRI | |
| Pyganic EC 5.0 II | pyrethrins | 5.0% | 32 | \$158.99 | 1.500 | \$7.45 | 1 | III - Caution | OMRI | |
| Table 2 - Miticides | | | | | | | | | | |
| Representative Trade Name | Active Ingredient | ai | Size-fl oz | Cost | oz/gal | Cost/ Gal Spray | Weeks Effect | Toxicity | Organic | |
| TetraSan 5 WDG | etoxazole | 5.0% | 24 | \$135.99 | 0.042 | \$0.24 | 3 | III - Caution | | |
| Kontos | spirotetramat | 22.4% | 8 | \$169.99 | 0.017 | \$0.36 | 2 | III - Caution | | |
| Ovation | clofentezine | 42.0% | 16 | \$319.99 | 0.021 | \$0.42 | 3 | III - Caution | | |
| Avid | abamectin | 1.9% | 8 | \$99.99 | 0.042 | \$0.52 | 1 | II - Warning | | |
| Pylon | 4-bromo-2-(4-chlorophenyl) | 21.4% | 16 | \$480.00 | 0.021 | \$0.63 | 3 | III - Caution | | |
| Floramite SC | bifenazate | 22.6% | 8 | \$125.00 | 0.042 | \$0.65 | 3 | III - Caution | | |
| Shuttle 15 SC | acequinocyl | 15.8% | 16 | \$165.00 | 0.083 | \$0.86 | 3 | III - Caution | | |
| Sultan | cyflumetofen | 18.7% | 16 | \$191.99 | 0.125 | \$1.50 | 2 | III - Caution | | |
| Forbid 4-F | spiromesifen | 42.5% | 8 | \$289.00 | 0.042 | \$1.51 | 3 | III - Caution | | |
| Akari | fenpyroximate | 5.0% | 32 | \$189.00 | 0.333 | \$1.97 | 1 | II - Warning | | |
| Judo | spiromesifen | 42.5% | 8 | \$419.00 | 0.042 | \$2.18 | 3 | III - Caution | | |
| Hexygon DF | hexythiazox | 50.0% | 6 | \$225.00 | 0.083 | \$3.13 | 2 | III - Caution | | |
| Table 3 - Fungicides | | | | | | | | | | |
| Representative Trade Name | Active Ingredient | ai | Size-fl oz | Cost | oz/gal | Cost/ Gal Spray | Weeks Effect | Toxicity | Organic | |
| CuPro/Kocide 2000 DF | copper hydroxide | 53.8% | 120 | \$49.99 | 0.167 | \$0.07 | 1 | II - Warning | Organic | |
| Palladium | cyprodinil + fludioxonil | 62.5% | 48 | \$365.00 | 0.021 | \$0.16 | 2 | III - Caution | | |
| Daconil Ultrex | chlorothalinol | 82.5% | 120 | \$89.95 | 0.250 | \$0.19 | 1 | I - Danger | | |
| Dithane M-45 | mancozeb | 80.0% | 9 | \$13.75 | 0.125 | \$0.19 | 1 | II - Warning | | |
| Junction | mancozeb + copper hydroxide | 61.1% | 144 | \$119.99 | 0.250 | \$0.21 | 1 | I - Danger | | |
| Pentathlon DF | mancozeb | 75.0% | 144 | \$61.99 | 0.500 | \$0.22 | 1 | III - Caution | | |
| Eagle 20 EW | myclobutanil | 19.7% | 16 | \$69.99 | 0.056 | \$0.24 | 1 | III - Caution | | |
| Flint W/P | trifloxystrobin | 50.0% | 30 | \$355.00 | 0.021 | \$0.25 | 2 | III - Caution | | |
| Banner Maxx | propiconazole | 14.3% | 128 | \$289.00 | 0.111 | \$0.25 | 2 | II - Warning | | |
| Quali-Pro Propiconazole | propiconazole | 14.3% | 32 | \$79.99 | 0.111 | \$0.28 | 2 | II - Warning | | |
| Bayer Advanced Disease Control | tebuconazole | 2.9% | 32 | \$15.97 | 0.750 | \$0.37 | 1 | III - Caution | | |
| Clearys 3336F | thiophanate-methyl | 46.0% | 32 | \$75.99 | 0.167 | \$0.40 | 1 | III - Caution | | |
| Honor Guard | propiconazole | 14.3% | 16 | \$57.99 | 0.111 | \$0.40 | 2 | II - Warning | | |
| Mil Stop | potassium bicarbonate | 86.0% | 120 | \$99.95 | 0.500 | \$0.42 | 2 | III - Caution | OMRI | |
| Terraguard SC | triflumizole | 42.1% | 32 | \$346.46 | 0.042 | \$0.45 | 1 | III - Caution | | |
| Compass | trifloxystrobin | 50.0% | 24 | \$525.00 | 0.021 | \$0.46 | 2 | III - Caution | | |

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|------------------------------|-------------------------------------|-------|-----|----------|-------|---------------|-------------------|---------|
| Safer Brand Garden fungicide | sulfur | 12.0% | 24 | \$11.95 | 1.000 | \$0.50 | 1 :III - Caution | OMRI |
| Agri-Fos | di-potassium salts phosphorous acid | 45.8% | 16 | \$20.78 | 0.417 | \$0.54 | 2 :III - Caution | |
| Aliette WDG | fosetyl-AL | 80.0% | 120 | \$163.99 | 0.500 | \$0.68 | 1 :III - Caution | |
| GreenCure | potassium bicarbonate | 86.0% | 12 | \$17.95 | 0.500 | \$0.75 | 1 :III - Caution | OMRI |
| Chipco 26019 | iprodione | 23.3% | 48 | \$110.00 | 0.333 | \$0.76 | 1 :III - Caution | |
| Pageant | pyraclostrobin + boscalid | 38.0% | 24 | \$150.00 | 0.125 | \$0.78 | 2 :III - Caution | |
| Orvego | ametoctradin + dimethomorph | 47.1% | 28 | \$225.00 | 0.125 | \$1.00 | 2 :III - Caution | |
| Heritage 50W | azoxystrobin | 50.0% | 6 | \$152.00 | 0.040 | \$1.01 | 2 :III - Caution | |
| Serenade Biofungicide | Bacillus subtilis | 1.3% | 32 | \$16.54 | 2.000 | \$1.03 | 1 :III - Caution | Organic |
| Bonide Captan | captan | 50.0% | 8 | \$16.87 | 0.500 | \$1.05 | 1 :I - Danger | |
| Immunox | myclobutanil | 1.6% | 16 | \$23.00 | 1.000 | \$1.44 | 1 :II - Warning | |
| Ortho Rose & Flower | triticonazole | 78.0% | 32 | \$16.63 | 3.000 | \$1.56 | 1 :III - Caution | |
| Decree | fenhexamid | 50.0% | 60 | \$299.00 | 0.333 | \$1.66 | 1 :III - Caution | |
| Regalia PTO | Extract of Reynoutria sachalinensis | 5.0% | 32 | \$159.99 | 0.333 | \$1.67 | 1 :III - Caution | OMRI |
| Subdue MAXX | mefenoxam | 22.0% | 32 | \$261.00 | 0.240 | \$1.96 | 16 :III - Caution | |
| Stature DM | dimethomorph | 43.5% | 24 | \$225.00 | 0.333 | \$3.13 | 1 :III - Caution | |