

Florida Fungicide Pricing and Expectations¹

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The following list (Table 1) has been compiled from various unnamed sources. Each price reflects a blend of the differing use rates for differing crops and sites. Sites where more active ingredient is used per spray (orchards) may have higher costs than those for other crop sites. Likewise, if an active ingredient is used in a specialty site such as golf course, turf, or ornamental, it is likely to cost more per application.

It is important to appreciate the expectations users have for each active ingredient, which is reflected in the price. Materials used as scheduled, prophylactic preventative sprays (e.g. captan, thiram, maneb, mancozeb, coppers, sulfur) generally average between \$5/acre and \$10/acre.

Materials that give protection from a variety of leaf diseases and control key diseases generally range from \$10/acre to \$40/acre; but even within similar chemistries prices may vary for several reasons. In the case of strobilurin fungicides, azoxystrobin is labeled for many more crops than the others and has a zero-day pre-harvest interval (PHI) for most crops. Pyraclostrobin is registered on fewer crops, and trifloxystrobin has a 30-day PHI for citrus, the main crop for which it is used in Florida. The longer the

PHI, the less flexibility the grower has near harvest. Consequently, there are substantial differences for the pricing of these fungicides.

Materials that are unique (e.g. acibenzolar, mefenoxam, fenhexamid) and manage key pests of high dollar crops or sites generally cost the most, starting at around \$40/acre and increasing. Prices for turf/ornamental fungicides (e.g. fenarimol, iprodione), often labeled in terms of ounces per 1,000 square feet can range from \$50 to \$150 when converted to an acre basis.

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Table 1.

| Active Ingredient | Price (\$/acre) |
|--------------------------|-----------------|
| ACIBENZOLAR | 41.90 |
| AZOXYSTROBIN | 21.36 |
| <i>Bacillus subtilis</i> | 12.03 |
| BOSCALID | 23.41 |
| CAPTAN | 10.75 |
| CHLOROTHALONIL | 18.00 |
| COPPER HYDROXIDE | 6.52 |
| COPPER OXYCHLORIDE S | 8.31 |
| COPPER SULFATE | 5.05 |
| CYMOXANIL | 4.14 |
| CYPRODINIL | 34.80 |
| DIMETHOMORPH | 6.11 |
| FAMOXADONE | 5.35 |
| FENBUCONAZOLE | 11.93 |
| FENARIMOL | 150.00 |
| FENHEXAMID | 44.48 |
| FERBAM | 37.93 |
| FLUDIOXONIL | 19.57 |
| FOSETYL | 19.93 |
| HYDROGEN PEROXIDE | 33.38 |
| IPRODIONE | 50.00 |
| MANCOZEB | 4.08 |
| MANEB | 4.32 |
| MEFENOXAM | 43.02 |
| MYCLOBUTANIL | 18.28 |
| NEEM OIL | 20.84 |
| PETROLEUM OIL | 11.22 |
| PHOSPHORIC ACID | 9.96 |
| POTASSIUM CARBONATE | 42.50 |
| PROPICONAZOLE | 4.85 |
| PYRACLOSTROBIN | 14.21 |
| PCNB | 8.98 |
| SULFUR | 8.08 |
| TEBUCONAZOLE | 12.07 |
| THIOPHANATE-METHYL | 13.45 |
| THIRAM | 9.29 |
| TRIFLOXYSTROBIN | 7.14 |
| TRIFLUMIZOLE | 17.63 |