

Florida Insecticide, Miticide, and Nematicide 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. *B.t.*, soaps, oils, endosulfan, malathion, methomyl, pyrethroids, sulfur) generally average between \$5/acre and \$10/acre.

Materials that control key arthropod or nematode pests generally range from \$10/acre to \$40/acre; but even within similar chemistries prices may vary for several reasons. In the case of nicotinoid insecticides, imidacloprid is labeled for many more crops than the others. Acetamiprid is registered on fewer crops, and although thiamethoxam is also

registered for fewer crops, it can be used as a soil or foliar treatment. Consequently, there are substantial differences for the pricing of these insecticides.

Materials that are unique (e.g. aldicarb, etoxazole, hexythiazox, spiroadiclofen, and fumigant nematicides) and manage key pests of high dollar crops or sites generally cost the most, starting at around \$40/acre and increasing to over ten times that much for methyl bromide fumigation.

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The use of trade names in this publication is solely for the purpose of providing specific information. UF/IFAS does not guarantee or warranty the products named, and references to them in this publication does not signify our approval to the exclusion of other products of suitable composition. Use pesticides safely. Read and follow directions on the manufacturer's label.

Table 1.

Active Ingredient	Price (\$/acre)
ABAMECTIN	43.36
ACEPHATE	10.26
ACETAMIPRID	13.21
ALDICARB	50.29
AZADIRACHTIN	17.46
AZINPHOS-METHYL	16.52
<i>Bacillus thuringiensis</i>	8.00
BIFENAZATE	31.25
BIFENTHRIN	20.60
CALCIUM POLYSULFIDE	0.63
CARBARYL	11.61
CARBOFURAN	30.94
CHLORPYRIFOS	9.21
CYFLUTHRIN	4.82
CYHALOTHRIN-LAMBDA	5.91
CYPERMETHRIN	3.00
CYROMAZINE	33.04
DIAZINON	11.85
DICOFOL	24.00
DICROTOPHOS	3.32
DIFLUBENZURON	26.97
DIMETHOATE	4.42
EMAMECTIN	32.00
ENDOSULFAN	6.33
ESFENVALERATE	5.22
ETHOPROP	26.20
ETOXAZOLE	66.15
FENBUTATIN OXIDE	29.84
FENPROPATHRIN	11.27
GARLIC JUICE	8.70
HEXYTHIAZOX	70.20
IMIDACLOPRID	61.35
INDOXACARB	16.80
MALATHION	2.00
METHAMIDOPHOS	12.29
METHOMYL	7.23
METHOXYFENOZIDE	21.66
METHYL PARATHION	5.26
NALED	6.79
OXAMYL	29.84
PERMETHRIN	5.94
PETROLEUM OIL	11.44
PHORATE	22.70
POTASSIUM OLEATE	5.23
PROPARGITE	31.25
PYMETROZINE	9.55

Table 1.

Active Ingredient	Price (\$/acre)
PYRIDABEN	40.38
PYRIPROXYFEN	53.97
SPINOSYN	22.02
SPIRODICLOFEN	43.76
SPIROMESIFEN	18.90
SULFUR	7.30
TEBUFENOZIDE	12.27
TEFLUTHRIN	24.54
TERBUFOS	18.80
THIAMETHOXAM	22.67
THIODICARB	8.13
ZETA-CYPERMETHRIN	4.17
CHLOROPICRIN	181
DICHLOROPROPENE	51.29
FENAMIPHOS	29.06
METAM	67.50
METHYL BROMIDE	573