

# Home Landscape and Pest Management



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Master Gardener Volunteers are often asked by callers in their county which pest management product to buy to manage common home and garden pests. Without a knowledge of current products and chemicals on the market, volunteers are unable to provide good evidence based recommendations. Pest management products are constantly being added or removed from the market, but the overall number of registered products is increasing. How can Master Gardener Volunteers and educators keep a current knowledge of available chemicals in a constantly changing and expanding pesticide market?

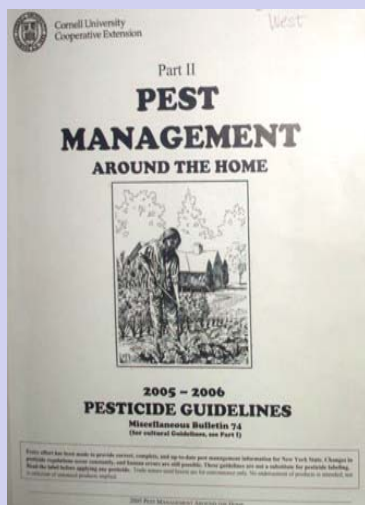
## Methods:

-Review the most current *Cornell Guide to Pest Management Around the Home (Bulletin 74)* for previously listed products and chemicals.

-Thoroughly search the NYS Pesticide Product, Ingredient, and Manufacturer System (PIMS) for currently registered products.

-Sample which pest management products are available at garden retailer stores throughout the capital district.

- Interview store workers and consumers about their attitudes toward pest management products and trends.



## Results:

-13 garden retailer stores in the capital district were surveyed and a total of 914 pesticide products were found around the capital district.

-This product list is still a very incomplete representation of the products available in the state.

-Products listed in both the 2005 and 2009 versions of *Bulletin 74* did not always correspond to what was

available in the product survey of garden retailer stores.

-A total of 3,917 pesticide products are currently registered in New York State for use around the home. Most of these are products that can be potentially bought and used by homeowners. However, not all of these products are actually sold in stores throughout the state.

-The interviewees have a variety of attitudes about pest management products, but there does appear to be a trend in the direction of a demand for more natural and organic pest management products and techniques.

Table 1. Some insecticides available for home use

Common name	Trade name	Chemical Class	Dist. Lb./sq. Ft.	Residual Lb./sq. Ft.	Manufacturer
<i>(Note: Insecticides are listed by active ingredient)</i>					
acrylates	Ortho, Ortho Systemic Insect Control, Dursif, Systemic Rose and Flower Care 8-11-4, Insect control	IGP	700-800	>10,250	The Ortho Group, Bionda Products, Inc., Vactor Garden Supply, LLC
amitraz	Nova, BioNova, Novonatal, Nono-Away	IGP, IGR	>1,000	>1,000	Gardens Alive, Corvus 70, LLC, PIR Garden Care
azoxystrobin	Milly Spray	M	L	L	St. Gabriel Laboratories
azoxystrobin	St. Gabriel, Thorside, Safe Insect Control, Klor	M	L	L	Bionda products, Ltd. Inc. (Woodstock, Duxbury, Connecticut)

## Recommendations:

-Master Gardener Volunteers should focus on what they are good at (pest identification and cultural method recommendations). Master Gardener Volunteers should recommend chemicals only if necessary and defer to knowledgeable garden retail stores for recommendations on specific products.



-It is important for Master Gardener Volunteers to have be able to access information on a specific products if asked. Reference sheets on the PIMS and PIRS databases would be a helpful tool for Master Gardener Volunteers.

-Equip Master Gardener Volunteers with a set of pesticide buying recommendations for callers including questions to ask garden retailer store staff to make sure that they are knowledgeable about the products.

-Future publications of *Bulletin 74* should remove the column for examples of trade names because it may cause Master Gardener Volunteers to recommend those products, and it may not even be beneficial due to the frequency to which products are being added and removed from stores.

