MEMORANDUM

TO: S.C. Johnson File  
Pesticide Product Registration Section

FROM: Jeanine Broughel  
Pesticide Product Registration Section

SUBJECT: Five New Pesticide Products Which Contain Cyfluthrin

DATE: April 20, 1999

We received an application on January 8, 1999 from S.C. Johnson & Son, Inc. to register five new products. All five products contain cyfluthrin as the active ingredient and are “nozzle” type products. The nozzle contains tablets of cyfluthrin. The nozzle is attached to a garden hose and as the water flows through the nozzle it dissolves the tablets. The label states that leftover product should not be stored.

When cyfluthrin was registered in New York State, there were concerns about cyfluthrin’s high level of toxicity to aquatic life and the potential for entry into aquatic systems. Products for use on turf and ornamentals were restricted in New York because of these concerns. Other products, for example Baythroid 2 (agricultural use) and Tempo 20 WP Golf Course Insecticide, are Federally Restricted due to fish and aquatic organism toxicity. Baythroid 2 and Tempo 20 WP Golf Course Insecticide also have a 25 foot buffer strip when applied by ground.

Cyfluthrin is currently registered in a variety of products in New York State. Cyfluthrin can be used on home lawns, golf courses, parks, ornamentals, etc. by commercial applicators only. Also, there are numerous fogger type products, and ant and roach killer products registered, which are not restricted. One product is also registered which has homeowner barrier
and perimeter treatment only.

The five homeowner products submitted in January are:

2. Raid Yard Guard Lawn Insect Nozzle 4822-493
3. Raid Yard Guard Mosquito Nozzle 4822-495
4. Raid Yard Guard Wasp & Hornet Nozzle 4822-496
5. Raid Yard Guard Flower Nozzle 4822-497

The first product, the Ant & Roach Home Barrier Nozzle, has directions for perimeter and barrier use, and there were no concerns.

However, there were concerns raised for the other four of the five products.

The Lawn Insect Nozzle has directions for homeowner use on lawns. This would be the first product of this type registered in the State. Also, the application rate (.168 lbs ai per acre) is slightly higher than the application rate for the federally restricted product Tempo 20 WP Golf Course Insecticide (.135 lbs ai per acre), and the New York State restricted Tempo 2 Lawn & Ornamental Insecticide (.137 lbs ai per acre).

The Mosquito Nozzle and the Flower Nozzle contain directions for use on “tall grass” which is very general. This can be grouped with the lawn use product.

The Wasp & Hornet Nozzle is to be used to spray wasp and hornet nests outside. Our concern with this product is that it does not allow any flexibility for application and there is a question about the possibility of misuse. You are directed to spray nests, etc and you are told not to store remaining unused product. What are you supposed to do with the remainder of the product, just spray it? The amount of cyfluthrin in this product is the same as the Mosquito Nozzle and the Flower Nozzle, which treat 1200 and 1000 square feet, respectively.

Maureen talked to Tim Sinnott of Fish & Wildlife on whether or not the products should be reviewed as Major Changes in Labeling (MCL). Tim looked at the products and said that he does not have a problem with them because of the application technique. The nozzle would be a lot easier for most homeowners to use and he has no concerns. The five products were registered as general use homeowner products per Maureen.

However, if other products (non-nozzle type homeowner use on lawns) are submitted for registration they should probably be reviewed as MCL’s.