PRODUCT PERFORMANCE / EFFICACY REVIEW
Mark Suarez, Entomologist - IB

DATE: 24 May 2006

EPA REG. NUMBER: 74921-L

PRODUCT NAME: Proaxis GPC

REGISTRANT: Pytech Chemicals GMBH

PM: George LaRocca, PM 13
REVIEWER: BeWanda Alexander

DECISION #: 359574
DP BARCODE: 328326

ACTION: R31

ACTIVE INGREDIENT(S): 128807, \( \gamma \)-cyhalothrin, .........., 5.9%

TYPE: Liquid surface, crack and crevice or spot treatment

OPPTS GUIDELINE(S): 810.1000
810.3000
810.3500
810.3600, as applicable

MRID:
40942208
41123304
41123305
41123306
41123307
41123308
41123309
41123310
41177513
41387701
41910801
44191401
44760101
44862401
45229501
45229502
45241701
ENTOMOLOGIST'S COMMENTS AND RECOMMENDATIONS:
The data cited are not for γ-cyhalothrin, but rather λ-cyhalothrin. The effectiveness of γ-cyhalothrin can reasonably be expected to exceed that of λ-cyhalothrin, as the insecticidally active isomer is the γ-isomer. Data have neither been submitted nor cited that demonstrating the enhanced efficacy of γ-isomer. Therefore, the cited data have been reviewed and were considered as if they were cited in support of a λ-cyhalothrin formulation. The cited studies have been determined to support the following pests, when applied at a rate of 1 gal/1000 sq. ft.:

1. Ants  
   a. including Fire Ants (Solenopsis invicta) at or above 0.03%  
   b. except Carpenter Ants (Camponotus spp.) and Pharaoh Ants (Monomorium pharaonis)

2. Bedbugs, at or above 0.015%
3. Bees & Wasps, at or above 0.0075%
4. Centipedes, at or above 0.015%
5. Cockroaches, at or above 0.015% (residual claims at or above 0.03%)
6. Fleas, at or above 0.015% (for outdoor use only)
7. Flies, at or above 0.0075%
8. Mosquitoes, at or above 0.03% (for residual claims use 0.06%)
9. Spiders, at or above 0.03%  
   • except Black Widow Spiders and Brown Recluse Spiders.
10. Termites (above ground only; not structural protection), at or above 0.0075%
11. Ticks, at or above 0.03%
12. Scorpions, at or above 0.03%