

EFFICACY REVIEW

DATE: IN 9-22-89 OUT 11-14-89

FILE OR REG. NO. 279-3070 & 2070-3085

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED September 19, 1989

DATE OF SUBMISSION September 18, 1989

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): (I), D, H, F, N, R, S _____

DATA ACCESSION NO(S). Record Number: 252176; Action Code: 310

PRODUCT MGR. NO. 15-La Rocca

PRODUCT NAME(S) Cynoff® WP Insecticide

COMPANY NAME FMC Corporation, Agricultural Chemical Group

SUBMISSION PURPOSE Provide amended labeling for the purpose of clarifying the directions for use and addition of pests claimed indoors and outdoors, including fire ants.

CHEMICAL & FORMULATION Cypermethrin 40.0%

CONCLUSIONS & RECOMMENDATIONS The addition of fire ants to the list of pests to be killed or controlled indoors or outdoors does not appear to require additional public health pest performance data since there is support for the use of a 0.1% actual suspension of cypermethrin as a mound drench for imported fire ant in "Insecticide & Acaricide Tests," Volume 9, Number 562, on p. 443, 1984. With application directions the same as current labeling, activity of mounds was reduced 100% through 74 days. The only comment we have as to current label directions for fire ants is that it is not readily apparent whether the 0.1% or 0.2% concentration is to be used indoors and the precise concentration or range of concentrations to be applied to mounds outdoors is not given; that is, the mixing instructions in the final sentence of the second paragraph of the "Outdoor Use" section do not specify an amount of water in which 1 to 3 scoops of powder is to be mixed for application to 1,000 square feet. We thus have the potential of applying a gallon of 0.3% suspension to a mound of 12 inches diameter, 3X the amount data shows to be effective. Unless the registrant can demonstrate the need for a higher concentration, fire ant directions should specify use of a 0.1% suspension (not emulsion).

RL Venn L. McFarland, IRB