UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MAR 9 1988

MEMORANDUM

SUBJECT: Pseudomonas syringae. Progress report on field testing of Ice⁻ deletion mutants (University of California, Steven Lindow). (I.D. Nos. 55269-EUP-1 and -2; Record Nos. 209788 and -9; RCB Nos. 3096 and 3097)

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Two Ice Nucleation Negative (INA⁻) strains of Pseudomonas syringae (Cit7del1 and TLP2del1) have been subjected to field testing by Dr. Steven Lindow of the University of California under Experimental Use Permit Nos. 55269-EUP-1 and -2 announced at FR 51(120):22858 (Mon., 6/23/86). The subject report, dated 10/20/87, is the first progress report of the extensive monitoring program required in the FR Notice.

Results:

One unverified INA⁻ colony-forming unit (CFU) was isolated from air, large numbers (10^5-10^7 CFU/g fresh wt.) occurred on treated and untreated potato plants within the plot, <10 CFU/g fresh wt. occurred in treated soil, and none were detected in soil, water, or plants outside the treatment area or insects collected from within the treated plot.

Official Conclusions:

Until RCB is in a position to conduct secondary reviews at the senior level in the microbial area, RCB will make recommendations and draw conclusions only on issues directly related to chemistry. We are, in effect, allowing SIMS or EEB to perform this review function.

In this particular case, there are no official conclusions to be drawn.

Unofficial Conclusions:

Based on the monitoring data submitted in the 10/20/87 progress report, RCB has no concern for environmental or other hazard resulting from the previously-conducted field trials of INA- *P. syringae* strains.

cc: Fred Betz (SIMS), PMSD/ISB