

US EPA ARCHIVE DOCUMENT



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

OCT 19 1989

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Growth of bacterial fungicide strain EG1053 (Pseudomonas fluorescens at 30°C and at 37°C (EPA ID No. 55638-5; Record No. 250,335; Accession No. 411994-01; HED Project No. 9-2047; Caswell No. 714J)

TO: Susan Lewis/Carl Grable (PM-21)
Registration Division (H7505C)

FROM: Roy D. Sjoblad, Ph.D., Microbiologist
Science Support Staff, Science Analysis and Coordination
Branch; Health Effects Division (H7509C)

THROUGH: Reto Engler, Ph.D., Chief
Science Analysis and Coordination Branch,
Health Effects Division (H7509C)

Background: Ecogen, Inc. has submitted (via 8/10/89 letter from D. L. Olson to S. Lewis) supplementary product chemistry data on the growth of strain EG1053, the active ingredient of Dagger® G Biofungicide, at 30°C and at 37°C.

Data presented: Strain EG1053 can grow at both 30°C and at 37°C in trypticase soy broth (TSB) under conditions of aeration. The doubling time was estimated at 40 minutes at 30°C, and at 60 minutes at 37°C. The initial tier was $<10^5$ /ml TSB.

Conclusion: The bacterium, EG1053 can grow at 37°C. The data satisfy the growth curve requirements as specified in the FR Notice Vol. 53, No. 47, March 10, 1988, pp.7739 to 7740.

R. D. Sjoblad 9/29/89
Reto Engler 10/3/89