EPA Reviewer: Deborah C. Smegal _____, Date ___
Toxicology Branch II(7509C)
EPA Secondary Reviewer: _____, Date ___
Toxicology Branch II (7509C)

DATA EVALUATION RECORD

STUDY TYPE: Acute Inhalation Toxicity - Rat
OPPTS 870.1300 [§81-3]

DP BARCODE:243979 SUBMISSION CODE:S538757
P.C. CODE:129112 TOX. CHEM. NO.:

TEST MATERIAL (PURITY):CGA-279202 50WG (50.6% a.i.)

SYNONYMS: Trifloxystrobin formulation

CITATION: Bennick J.E. 1997. Acute inhalation toxicity study in rats. Stillmeadow, Inc. 12852 Park One Drive. Sugar Land, TX 77478. Laboratory Study Number: 3846-97. Novartis Nexus Number 599-97. December 18, 1997. MRID 44496629. Unpublished.

SPONSOR: Novartis Crop Protection, Inc.

EXECUTIVE SUMMARY: In an acute inhalation toxicity study (MRID 44496629), groups of young adult HSD:Sprague Dawley rats (5/sex) were exposed by inhalation via nose only to aerosolized CGA-279202 50WG formulation (50.6% a.i.) for 4 hours to a concentration of 2.74 mg/L (mean gravimetrically-derived concentration) with a mean MMAD (GSD) of 1.7 (6.8)μm. Animals then were observed for 14 days.

LC_{50} Males = > 2.74 mg/L
Females = > 2.74 mg/L
Combined = > 2.74 mg/L

No animals died. Piloerection and activity decrease were observed in all animals, which subsided by day 4. Black crust around the eyes was noted in one male, which persisted throughout the 14 day observation period. No abnormalities were noted upon necropsy, including the respiratory tract. There were no treatment-related effects on body weight.

CGA-279202 50WG formulation (50.6% a.i.) is TOXICITY CATEGORY IV based on an absence of mortality in both sexes at a concentration above the limit concentration.

This acute inhalation study is classified as acceptable, and satisfies the guideline requirement for an acute inhalation study (81-3) in the rat.

COMPLIANCE: Signed and dated GLP, Quality Assurance, and Data Confidentiality statements were provided. Flagging statements were not provided.

SignOff Date:	8/3/99
DP Barcode:	D243979
HED DOC Number:	013599
Toxicology Branch:	TOX2