



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

PC Code: 129112

DP Barcodes: D309489, D314187, D315580, D316090, D316091, D318621, D318623

December 19, 2005

MEMORANDUM

SUBJECT: Section 3 request for additional uses of trifloxystrobin fungicide (PC Code 129112) on sweet corn (D315580), barley and oats (D314187; IR-4), soybeans (D318621; D318623), and seed treatments (all non-food uses; D309489, D316090, D316091)

FROM: Brian Anderson, Biologist *Brian Anderson*
James Wolf, Environmental Scientist *James Wolf*
Anita Pease, Biologist *APease*
ERB III
Environmental Fate and Effects Division

TO: Janet Whitehurst, Risk Manager
Fungicide Branch
Registration Division 7505C

Barbara Madden, Risk Manager
Minor Use ERB
Registration Division 7505C

THRU: Daniel Rieder, Branch Chief *Daniel Rieder* 12/19/05
Stephanie Syslo, Environmental Scientist
ERB III
Environmental Fate and Effects Division

Attached please find the Environmental Fate and Effects Division's (EFED) environmental risk assessment for the proposed new uses of trifloxystrobin as a fungicide on sweet corn, barley, oats, soybeans, and seed treatments on a number of commodities. This risk assessment considers the technical grade of the active ingredient and the formulated products Stratego (EPA Reg. No. 264-



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779), Flint (EPA Reg. No. 264-777), and Trifloxystrobin Flowable Fungicide (EPA Reg. No. 264-989). Trifloxystrobin is applied by foliar spray (ground or aerial) for all proposed commodities except seed treatments.

Key findings of this risk assessment are as follows:

This preliminary risk assessment did not identify any risks that exceeded our LOCs; however, risk to endangered terrestrial plants could not be assessed due to the limitations in Tier I toxicity studies.

Most guideline studies have been submitted and found to be acceptable. However, a suitable aerobic aquatic metabolism study (162-4) has not been submitted; therefore, there remains a degree of uncertainty as to the persistence and dissipation of trifloxystrobin in aquatic environments. Also, Stratego™ contains both trifloxystrobin and propiconazole. Potential interactions (additive, synergistic, or inhibitory) between the two active ingredients could result in an under- or over-estimation of risk.