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

3918

APR 7 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Revised Labels for SAN-582H. Submission Dated
11/24/92.

DP Barcode: D184986. CB # 10931.

FROM: Michael T. Flood, Ph.D., Chemist
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Health Effects Division (H7509C)

THROUGH: Elizabeth T. Haeberer, Section Chief *Elizabeth T. Haeberer*
Tolerance Petition Section II
Chemistry Branch I -- Tolerance Support
Health Effects Division (H7509C)

TO: C. Giles-Parker/J. Stone, PM 22
Fungicide-Herbicide Branch
Registration Division (H7505C)

With cover letter dated 11/24/92, Sandoz Agro, Inc. has submitted copies of the "final label submission" for SAN 582 (Frontier®). The label has been modified from that originally submitted in PP#0G3892. Use would now be permitted on "field corn, silage corn, seed corn and popcorn". The first label specified only field corn. Corn could now be grazed or fed to livestock at 40 or more days after application of the herbicide. The original label specified 60 days. The original label contained a restriction against rotation to crops other than field corn for 12 months after application. The new label states that Fall seeded cereal crops may be planted at 4 or more months after a spring application of herbicide, and there are no rotational crop restrictions in the Spring following the previous year's application of the herbicide. Instructions for use in tank mixes with other pesticides now appear in the proposed label. The seasonal maximum use level for the active ingredient remains at 1.5 lb ai/A.

Comment

Residue data on field corn are adequate to cover corn grown for silage, seed and popcorn. Use on sweet corn would require additional residue data. A grazing restriction was never required by CBTS. Therefore, we have no objection to the change



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from 60 to 40 days. The confined rotational crop study reviewed by EFGWB 11/24/92 included data on winter wheat planted 141 days after treatment (DAT), lettuce planted 322 DAT and carrots planted 332 DAT. The maximum concentration of any metabolite/degradate in harvested wheat was 0.01 ppm for the sulfoxide of thiolactic acid conjugate of SAN-582H. From this we conclude that a four month rotational interval is adequate and other crops may be planted in the following Spring.

Tank mixes with other herbicides are treated in separate submissions.

The proposed label for field corn, silage corn, seed corn and popcorn is acceptable.

cc: SF(SAN-582/Dimethenamide), RF, Circu., Mike Flood, E. Haerberer, PP#0F3918.

H7509C:CBTS:Reviewer(MTF):CM#2:Rm804P:703-305-7990:typist(mtf):4/7/93.
RDI:SectionHead:ETHaerberer:4/5/93:BranchSeniorScientist:RALoranger:
4/6/93.