Date Out: EFB: 05 OCT 1981

To: Product Manager 43 Critchlow
    TS-767

From Dr. Willa Garner
    Chief, Review Section No. 1
    Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: OE 2394

Chemical: Trifluralin

Type Product: Herbicide

Product Name: Treflan

Company Name: Elanco

Submission Purpose: 1R4 - minor use on rape seed and straw

ZBB Code: 3(c)(7)  ACTION CODE: 200

Date in: 10/2/81  EFB # 3

Date Completed: 05 OCT 1981  TAIS (level II) Days

Deferrals To:

Ecological Effects Branch 71 0.5

Residue Chemistry Branch

Toxicology Branch
1.0 INTRODUCTION

Residue Chemistry Branch has deferred to EFB for its concurrence the proposed minor use of trifluralin on rape seed and straw.

2.0 Trefflan: trifluralin

\[
\begin{array}{c}
\text{H}_3C_3 - \text{N} - \text{C}_2 \text{H}_7 \\
\text{O}_2\text{N} \hspace{2cm} \text{NO}_2 \hspace{2cm} \text{CF}_3 \\
\end{array}
\]

alpha, alpha, alpha, trifluoro-2,6-dinitro-N,N-dipropy-p-toluidine

3.0 DISCUSSION

The environmental fate of trefflan is well known and is documented in the Trifluralin (Trefflan) Position Document 1/2/3, August 22, 1979.

To summarize the environmental fate, trifluralin does not accumulate in soil even after repeated yearly treatments. Trifluralin is not expected to leach or run off treated areas; it is readily volatilized and photodegraded. The environmental fate of trefflan N-nitroso contaminant, NDPA, is also known and is not expected to persist in the environment.

4.0 RECOMMENDATION

Based on the known environmental fate of trefflan, EFB concurs with the proposed minor use of trifluralin on rape seed and straw.

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Chemist  
Review Section No. 1  
Environmental Fate Branch