US EPA ARCHIVE DOCUMENT

DATA EVALUATION RECORD

STUDY 15

CHEM 128850 Glufosinate ammonium §165-1

FORMULATION--90--FORMULATION NOT IDENTIFIED

FICHE/MASTER ID 40501015
Schwalbe-Fehl, M. 1987a. Residue determination in rotational crops sown 30 days after treatment of soil. Study No. CM056/86 and Report No. A36703. Prepared by Hoechst AG, Frankfurt, FRG, and submitted by Hoechst Celanese Corporation, Somerville, NJ.

DIRECT RVW TIME = 8

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CONCLUSIONS:

Confined Accumulation - Rotational Crops

This study is unacceptable because the concentration of glufosinate in the soil was variable, so that the application rate could not be confirmed and the extent of pesticide uptake by the crops in relation to the concentration of pesticide in the soil was uncertain. In addition, this study would not fulfill EPA Data Requirements for Registering Pesticides because [^{14}C]residues were not characterized in all plants containing >0.01 ppm of residues.

Summary of Data By Reviewer:

[1^{4}C]Glufosinate ammonium residues accumulated in mature spinach (0.023 ppm in leaves), radishes (0.023 ppm in tubers, 0.025 ppm in roots, <0.021 ppm in leaves), wheat (0.247 ppm in straw, 0.024 ppm in grain, 0.312 ppm in chaff), and carrots (0.016 ppm in leaves, 0.012 ppm in tubers) planted