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THE BRANCH REVIEW

DATE: IN _____ OUT _____ IN _____ OUT _____
 11-17-78 7-13-79
 FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 524-308

PETITION OR EXP. PERMIT NO. 7F1892

DATE DIV. RECEIVED

DATE OF SUBMISSION _____

DATE SUBMISSION ACCEPTED

TYPE PRODUCTS(S): I, D, (H,) F, N, R, S

DATA ACCESSION NO(S) . 235924, 097661

PRODUCT MGR. NO. Taylor (25)

PRODUCT NAME(S) Roundup^(R)

COMPANY NAME Monsanto Agricultural Products Co.

SUBMISSION PURPOSE To provide an avian reproduction study

for bobwhite quail and mallard duck.

CHEMICAL & FORMULATION Also an acute toxicity study for rainbow trout.

N-(phosphonomethyl) glycine



2009102

100 Pesticide Name

100.3 Glyphosate

100.3 Submission Purpose

Submission of avian reproduction and fish acute toxicity data to update files.

101.0 Chemcial and Physical Properties

101.1 Chemical Name

N-(phosphonomethyl) glycine

101.2 Common Name

Glyphosate

103.0 Toxicological Properties

A) Avian Reproductive Studies

<u>Species</u>	<u>Dosage Levels(ppm)</u>	<u>Results</u>
Mallard Duck	50,200, 1000	No toxic symptoms
Bobwhite Quail	50,200, 1000	No toxic symptoms

b) Fish Acute 96 hour LC₅₀ for rainbow trout was 86 mg/l (70-106 mg/l).

104.0 Hazard Assessment

105.0 Conclusions

The above studies have been reviewed and are considered acceptable. They have been classified as core for technical glyphosate.

Dennis J. McLane
EEB/HED

Norm Cook *W Cook*
Head, Section II
EEB/HED

Clayton Bushong 7/14/79
Clayton Bushong
Chief, Ecological Effects Branch,
Hazard Evaluation Division

103601
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

471300

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DATE May 29, 1979
SUBJECT Freedom of Information Request by Bureau for International
Narcotics Matters for Acute and Chronic Toxicity Levels
of Glyphosate for Terrestrial and Aquatic Organisms
FROM: Clayton Bushong, Chief
Ecological Effects Branch, HED
TO: Virginia Salzman
Information Coordination Section

As per Mr. Colledge's request of May 16, 1979 enclosed is a list of the toxicity values for glyphosate from our files and a copy of the article entitled, "Toxicity of the Herbicide Glyphosate and Several of Its Formulations to Fish and Aquatic Invertebrates."

Please contact us if there are any further questions.

signed 5/30/79

Clayton Bushong

*Request in Branch files with regular
correspondence.*