

US EPA ARCHIVE DOCUMENT

090501

REVIEW NO.

SHAUGHNESSEY NO.

EEB BRANCH REVIEW

DATE: IN 6/17/81 OUT 8/6/81

FILE OR REG. NO. 524-285,-296,-314,-316

PETITION OR EXP. PERMIT NO. _____

DATE OF SUBMISSION 5/28/81

DATE RECEIVED BY HED 6/17/81

DATE REQUESTED COMPLETION DATE 10/17/81

EEB ESTIMATED COMPLETION DATE _____

REASON FOR ACTION CODE/TYPE OF REVIEW 400/Data Submission--Not 6 (a)(2)

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

DATA ACCESSION NO(S). _____

PRODUCT MANAGER NO. R. Taylor (25)

PRODUCT NAME(S) Lasso Herbicides

COMPANY NAME Monsanto Company

SUBMISSION PURPOSE Submission of Avian acute oral LD50

Study with Bobwhite Quail 245260

SHAUGHNESSEY NO. CHEMICAL, & FORMULATION Z A.I.

100 Pesticide Name

Alachlor (Lasso)

100.3 Submission Purpose

Data validation of avian acute oral LD50 study

101 Chemical and Physical Properties

101.1 Chemical

2-Chloro-2'-6'-diethyl-N-(methoxymethyl)-acetanilide

101.2 Common Name

Alachlor

103 Toxicological Properties

Avian acute oral LD50 for bobwhite quail - (Colinus virginianus)

105 Conclusions

This study on the acute toxicity of Alachlor to the bobwhite quail is scientifically sound and does fulfill the guideline requirement for an avian acute oral test on an upland species. With an LD50 of 1499 mg/kg (95% C.L. 1000-2510 mg/kg), Alachlor can be classified as being slightly toxic to bobwhite quail.

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