

128850

2-28-85

NOTE

TO: DOUG URBAN  
DICK SCHMITT  
RETO ENGLER  
EAM CREEGER

RD has asked that HED classify HOE-39866  
as a biochemical or conventional chemical pesticide.  
I have attached some Background information on  
this herbicide (label and part of EAB review).

Please look over the attached information.

I would like to meet to discuss the classification

on:

MONDAY (3/4/85) Room 813 10:30 AM
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Please let me know  
right away if this  
time/date is a problem.

Thanks,

Ernie

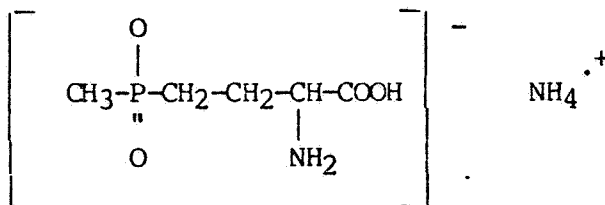
## 1.0 INTRODUCTION

- 1.1 American Hoechst Company is requesting and Experimental Use Permit for the use of the new chemical HOE-39866 [monoammonium 2-amino-4-(hydroxymethylphosphinyl)butanoate] in the following areas: 1) non-crop areas, 2) homeowner, 3) non-bearing tree and vine crops, 4) soybeans (no-till, minimum till, and double crop). The EUP request is for a maximum of 2,115 lb ai for use on a maximum of 1,043 acres in all of the United States.

The registrant states that "HOE 039866 is a naturally occurring biosynthetic product excreted by Streptomyces" which "has been found to inhibit glutamine synthetase in leaf tissue of higher plants and thus could be considered a biorational biochemical pest control agent."

## 1.2 Identity of active ingredient and structure

Chemical Name: monoammonium 2-amino-4-(hydroxymethylphosphinyl)butanoate  
CAS Name: Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt  
IUPAC Name: Ammonium-(3-amino-3-carboxy-propyl)-methyl phosphinate  
Common Name: none assigned  
Company Code: HOE-39866  
Molecular Weight: 198.1  
Empirical Formula:  $C_5H_{15}N_2O_4P$   
Structure:



### PURE AI

### TECHNICAL

Color:	White	White to light brown
Physical form:	crystalline powder	crystalline powder
Odor:	weakly pungent	odorless to weak pungent
Melting point:	ca. 488 K (215°C) under decomposition	ca. 488 K (215°C) under decomposition

RIN 5218-93

EFGWB Reviews of Glufosinate (128850)

Page      is not included in this copy.

Pages 3 through 9 are not included.

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The material not included contains the following type of information:

- Identity of product inert ingredients.
- Identity of product impurities.
- Description of the product manufacturing process.
- Description of quality control procedures.
- Identity of the source of product ingredients.
- Sales or other commercial/financial information.
- ☒ A draft product label.
- The product confidential statement of formula.
- Information about a pending registration action.
- FIFRA registration data.
- The document is a duplicate of page(s)         .
- The document is not responsive to the request.

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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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