



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SEP 7 1986

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: New Chemical Registration Standard for DPX-F6025, DuPont Classic Herbicide.

FROM: Thomas M. Armitage *Thomas M. Armitage* 9-7-86
Fisheries Biologist
Ecological Effects Branch
Hazard Evaluation Division (TS-769-C)

THRU: Harry T. Craven *Harry T. Craven*
Ecological Effects Branch
Hazard Evaluation Division (TS-769-C)

THRU: Michael W. Slimak *M. Slimak*
Chief
Ecological Effects Branch
Hazard Evaluation Division (TS-769-C)

TO: Robert Taylor
Herbicide-Fungicide Branch
Registration Division (TS-767-C)

On March 13, 1985, Ecological Effects Branch (EEB) completed a review of the proposed use of DuPont classic herbicide on soybeans. EEB determined that all of the data required for full registration of this chemical had been submitted. A risk assessment was completed, and it was concluded that, because of the product's low toxicity and application rate, the proposed use would provide minimal hazards to nontarget organisms.

Upon review of the data required to support registration of classic herbicide, it has been determined that plant protection studies (phytotoxicity) will be required. Tier I testing is required when endangered or threatened species may be in jeopardy. Since the vapor pressure of classic is 1.5×10^{-5} mm Hg at 25°C, volatility may result in movement of the herbicide to areas away from the site of application. Consequently the following studies are required:

122-1 Seed germination/seedling emergence and vegetative vigor

122-2 Aquatic plant growth

EEB also recommends the following environmental fate and spray drift studies.

162-2 Volatility (field)

201-1 Droplet size spectrum

202-1 Drift field evaluation

The generic data requirements table for registration of classic is attached.

cc: Tina Levine, SIS

GENERIC DATA REQUIREMENTS FOR DPX-F6025

§ 158.145 Wildlife and Aquatic Organisms

Data Requirement	Test Substance	Use Pattern	Does EPA Have Data?	Bibliographic Citation	Must Additional Data be Submitted	Time frame for Submission
<u>Avian and Mammalian Testing</u>						
71-1 Avian Single-Dose Oral LD50	TGAI	A	Yes	131577	No	
71-2 Avian Dietary LC50						
- Upland Game Bird	TGAI	A	Yes	131578	No	
- Waterfowl	TGAI	A	Yes	132578	No	
<u>Aquatic Organism Testing</u>						
72-1 Freshwater fish LC50						
coldwater species	TGAI	A	Yes	131574	No	
warmwater species	TGAI	A	Yes	131575	No	
72-2 Aquatic Invertebrate	TGAI	A	Yes	131576	No	

GENERIC DATA REQUIREMENTS FOR DPX-F6025

Data Requirement	Test Substance	Use Pattern	Does EPA Have Data?	Bibliographic Citation	Must Additional Data be Submitted	Time frame for Submission
\$ 158.155 Nontarget Insect						
Nontarget Insect Testing						
Pollinators						
141-1 Honeybee Acute Contact LD50	TGAI	A	Yes	143124	No	
\$ 158.150 Plant Protection Data						
122-1 Seed germination and vegetative vigor	TGAI	A	No		Yes	9 months
122-2 Aquatic plant growth	TGAI	A	No		Yes	9 months

1/ Composition: TGAI - Technical Grade of the Active Ingredient

2/ The use patterns are coded as follows: A, Terrestrial food crop