

MRID No. 436781-59


DATA EVALUATION RECORD  
VEGETATIVE VIGOR TEST  
§ 122-1 (TIER I)

- 1. CHEMICAL: Azoxystrobin PC Code No.: 128810
- 2. TEST MATERIAL: ICIA5504 50 WG Purity: 51.6%
- 3. CITATION

Authors: C.J. Everett, L. Canning, and J.F.H. Cole  
Title: ICIA5504: A Tier I Glasshouse Study to  
Evaluate the Effects on Vegetative Vigour  
on *Brassica napus*.  
Study Completion Date: February 28, 1995  
Laboratory: Zeneca Agrochemicals, Bracknell,  
Berkshire, UK  
Sponsor: Zeneca Ag. Products, Wilmington, DE  
Laboratory Report ID: RJ1690B  
MRID No.: 436781-59


4. REVIEWED BY:

William Erickson  
Biologist  
EEB/EFED/EPA

Signature:   
Date: 4/03/96

5. APPROVED BY:

Harry Craven  
Section Head 4  
EEB/EFED/EPA

Signature:   
Date: 6/21/96

6. STUDY PARAMETERS:

Definitive Study Duration: 29 days

- 7. CONCLUSIONS: This study is scientifically sound and fulfills the guideline requirements for a Tier I vegetative vigor study with rape.

8. ADEQUACY OF THE STUDY:

- A. Classification: Core.
- B. Rationale: N/A.
- C. Repairability: N/A.

9. **GUIDELINE DEVIATIONS:** None.
10. **SUBMISSION PURPOSE:** New chemical. Repeat of invalid study (MRID No. 436781-58) for rape only.
11. **MATERIALS AND METHODS:**

**A. Test Organisms**

Guideline Criteria	Reported Information
<b>Species</b> 6 dicots in 4 families, including soybean and a rootcrop; 4 monocots in 2 families, including corn.	<u>Dicots</u> : rape <u>Monocots</u> : none
<b>Number of plants per rep</b> 5	5 plants per rep, each in individual pots
<b>Source of Seed</b>	In-house plants

**B. Test System**

Guideline Criteria	Reported Information
<b>Solvent</b>	None
<b>Site of test</b>	Greenhouse
<b>Planting method / type of pot</b>	One plant/pot, 10-cm pots
<b>Method of application</b>	Track sprayer
<b>Method of watering</b>	Soil-level avoiding foliage
<b>Growth stage at application</b> 3-4 true leaf stage	Mean stage of 3.5 leaves

**C. Test Design**

Guideline Criteria	Reported Information
<b>Dose range</b> 2x or 3x	Tier I study conducted at two rates: 0.15 and 1.0 lb ai/A
<b>Doses</b> At least 5	2

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VEGETATIVE VIGOR TEST  
§ 122-1 (TIER I)

1. CHEMICAL: <sup>Azoxystrobin</sup> Sulfentrazone 128810  
PC Code No.: 129081
2. TEST MATERIAL: ICIA5504 50 WG Purity: 51.6%
3. CITATION

Authors: C.J. Everett, L. Canning, and J.F.H. Cole  
Title: ICIA5504: A Tier I Glasshouse Study to Evaluate the Effects on Vegetative Vigour on *Brassica napus*.  
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Laboratory Report ID: RJ1690B  
MRID No.: 436781-59  
DP Barcode: D217072, D217078

4. REVIEWED BY: Mark Mossler, M.S., Toxicologist,  
KBN Engineering and Applied Sciences, Inc.

Signature:  Date: 1/19/96

APPROVED BY: Pim Kosalwat, Ph.D., Senior Scientist  
KBN Engineering and Applied Sciences, Inc.

Signature: P. Kosalwat Date: 1/19/96

5. APPROVED BY:

Signature: Date:

6. STUDY PARAMETERS

Definitive Study Duration: 29 days

7. CONCLUSIONS: This study is scientifically sound and fulfills the guideline requirements for a Tier I vegetative vigor study with rape only.

8. ADEQUACY OF THE STUDY

A. Classification: Core.

B. Rationale: N/A.

C. Repairability: N/A.

Guideline Criteria	Reported Information
<b>Controls</b> Negative and solvent	Negative control
<b>Replicates per dose</b> At least 3	3
<b>Duration of test</b> 14 days	29 days
<b>Were observations made at least weekly?</b>	Yes
<b>Maximum labeled rate</b>	1.0 lb ai/A

**12. REPORTED RESULTS**

Guideline Criteria	Reported Information
<b>Quality assurance and GLP compliance statements were included in the report?</b>	Yes
<b>Was an NOEL observed for each species?</b>	Yes
<b>Phytotoxic observations</b>	Yes
<b>Were initial chemical concentrations measured?</b> (Optional)	No
<b>Were adequate raw data included?</b>	Yes

**Results for the most sensitive endpoint<sup>a</sup>**

Species	Parameter	Percent effect
Rape	damage	5.7

<sup>a</sup>Determination of the most sensitive endpoint is based on the amount of inhibition or damage.

**Observations:** Effects of the compound were slight, and the major symptoms of toxicity were stunted and malformed plants.

13. REVIEWER'S COMMENTS: The plants were treated with biological control to control aphids, white flies, leaf miners, red spider mites, and thrips. The treatment probably did not affect the study, but plants should be cultivated in areas which are free of insects.

This study is scientifically sound, fulfills the guideline requirement, and is classified as Core. Growth and development of rape were not inhibited  $\geq 25\%$  by treatment at 1.0 lb ai/A of ICIA5504 50 WG.