

## Evaluation of Phoenix for Suppression of SDS.

02-WhiteCo-SDS

**OBJECTIVE:** Determine if Phoenix applications can suppress the development of sudden death syndrome in soybean.

**SUMMARY:** Due to unusually dry conditions after soybean planting sudden death syndrome did not develop at this location in 2002.

**HERBICIDES**

COBRA 2 EC  
PHOENIX 2 EC  
ROUNDUP ULTRA MAX 3.7 SL

**WEEDS**

NA - SDS evaluation

**CROP**

soybean

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

## Evaluation of Phoenix for Suppression of SDS.

Project Code: 02-WhiteCo-SDS Location: White county, IL

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: White county IL 62821 USA  
 Trial Status: Final Updated: 10-31-02

**Objective:**

Determine if Phoenix applications can suppress the development of sudden death syndrome in soybean.

**Weed Code Common Name Scientific Name**

1. NA

Crop 1: GLXMA soybean Variety: Gateway 4R415  
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 10 FT Reps: 4  
 Tillage Type: Reduced-Till Study Design: Randomized complete block

**APPLICATION DESCRIPTION**

A

Application Date: 7-4-02  
 Application Method: Spray  
 Application Timing: 4-6"W

**CROP STAGE AT EACH APPLICATION**

A

Crop 1 Code, Stage: GLXMA

**WEED STAGE AT EACH APPLICATION**

A

Weed 1 Code: NA

**APPLICATION EQUIPMENT**

A

Appl. Equipment: CO2 sprayer  
 Operating Pressure: 40 PSI  
 Nozzle Type: Flat fan  
 Nozzle Size: 8002  
 Boom Length, Unit: 7.5 FT  
 Spray Volume, Unit: 15 GPA

**NOTES:**

This study was not harvested.

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Weed Code			
Crop Code	GLXMA	GLXMA	GLXMA
Rating Data Type	Yield	Injury	Injury
Rating Unit	bu/A	Percent	Percent
Rating Date	10-22-02	7-18-02	8-1-02
Trt-Eval Interval		14 DAT	28 DAT

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	PHOENIX	2	EC	0.094	LB A/A	6	OZ/A	4-6"W	A	47	0	0
1	ACTIVATOR 90	100	LIQ	0.125	% V/V	0.125	%V/V	4-6"W	A			
2	PHOENIX	2	EC	0.094	LB A/A	6	OZ/A	4-6"W	A	46	0	0
2	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	26	OZ/A	4-6"W	A			
2	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W	A			
3	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	26	OZ/A	4-6"W	A	45	0	0
3	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W	A			
4	COBRA	2	EC	0.094	LB A/A	6	OZ/A	4-6"W	A	53	3	0
4	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	4-6"W	A			
5	NONTREATED									49	0	0
LSD (P=.05)										14.7	0.0	0.0
Replicate F										4.445	0.000	0.000
Replicate Prob(F)										0.0313	1.0000	1.0000
Treatment F										0.504	0.000	0.000
Treatment Prob(F)										0.7342	1.0000	1.0000

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Trial Comments

1. Protocol: Valent.
2. Make 4-6"W application at or near first bloom even if weeds have not reached 4-6 inches in height.