Wild radish response to glyphosate plus 2,4-D, Harmony Extra, or Express.

Trial ID: C6-05 Study Dir.: Culpepper

Location: Ponder 5151 Investigator: Stanley Culpepper

Reps: 3 Plots: 6 by 20 feet

Spray vol: 14.8 gal/ac Mix size: 1 liters (min .46301)

<u> </u>	ay voi. 11.0 gairao		0.20.	111) 010111		00.,					
Trt	Treatment	Form	Form		Rate	Grow	Appl	Amt Product	Plot N	lo. By	Rep
No	. Name	Conc	Type	Rate	Unit	Stg	Code	to Measure	1	2	3
	1 Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	101	206	308
	2 Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	102	207	304
	Weedar	4	L	16	oz/a		Α	8.446 ml/mx			
;	Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	103	202	309
	Weedar	4	L	24	oz/a		Α	12.67 ml/mx			
	4 Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	104	201	306
	Express	75	DF	0.33	oz/a		Α	0.167 g/mx			
:	Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	105	209	302
	Express	75	DF	0.165	oz/a		Α	.08349 g/mx			
	6 Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	106	208	303
	Express	75	DF	0.0825	oz/a		Α	.04175 g/mx			
	7 Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	107	205	301
	Harmony Extra	75	DF	0.5	oz/a		Α	0.253 g/mx			
	Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	108	204	307
	Harmony Extra	75	DF	0.25	oz/a		Α	0.1265 g/mx			
	Roundup WeatherMax	5.5	L	22	oz/a		Α	11.61 ml/mx	109	203	305
	Harmony Extra	75	DF	0.125	oz/a		Α	.06325 g/mx			

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Lot Code
130.649	ml	Roundup WeatherMax 5.5 L	
26.394	ml	Weedar 4 L	
0.365	g	Express 75 DF	
0.553	g	Harmony Extra 75 DF	

^{* &#}x27;Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).

Trial Comments

OBJECTIVE: Evaluate wild radish and cotton response to Harmony Extra, Express, and Weedar applied at burndown.

Wild Radish Response:

- 1. At 15 DAT, Harmony or Express mixed with Roundup improved control at least 11% compared to Roundup alone.
- 2. At 30 DAT, the greatest level of control was noted with Harmony or Express mixed with Roundup.
- 3. Control by Roundup and Roundup plus 2,4-D was also excellent, but less effective than Express or Harmony mixtures.

Cotton Response

- 1. At 12 to 14 day after emergence, treatments had no impact on plant stand.
- 2. Seed cotton was extremely uniform and no differences in yield were noted.

GENERAL COMMENTS:

1. The control was maintained weed free by applying Roundup at the 1 leaf stage, Roundup plus Dual at the 5 leaf stage, and Direx plus MSMA at layby.

^{*} Product amount calculations increased 25 % for overage adjustment.

Wild radish response to glyphosate plus 2,4-D, Harmony Extra, or Express.

Trial ID: C6-05 Study Dir.: Culpepper

Location: Ponder 5151 Investigator: Stanley Culpepper

We	ed Code			RAPRA	RAPRA	RAPRA			
Cro	Crop Code				cotton	cotton	GOSHI	GOSHI	GOSHI
Rating Data Type				control	control	control	injury	seed yld	seed yld
Rat	ing Unit			percent	•		•		
	ng Date							Sep-28-05	Sep-28-05
	Eval Interval			11 DA-A	15 DA-A	31 DA-A	43 DA-A	177 DA-A	177 DA-A
	A Action Codes								TY1
# S	ubsamples, Dec.								1
Trt	Treatment		Rate						
No.	Name	Rate	Unit	1	2	3	4	5	6
1	Roundup WeatherMax	22	oz/a	58	78	89	0	11	3966.4
2	Roundup WeatherMax	22	oz/a	57	73	90	0	11	4130.9
	Weedar	16	oz/a						
3	Roundup WeatherMax	22	oz/a	55	73	94	0	12	4334.2
	Weedar	24	oz/a						
4	Roundup WeatherMax	22	oz/a	60	93	99	0	11	4169.7
	Express	0.33	oz/a						
5	Roundup WeatherMax	22	oz/a	63	91	96	0	11	4109.2
	Express	0.165	oz/a						
6	Roundup WeatherMax	22	oz/a	67	93	99	0	11	4077.7
		0.0825	oz/a						
7	Roundup WeatherMax	22	oz/a	60	89	99	0	11	4143.0
	Harmony Extra		oz/a						
8	Roundup WeatherMax		oz/a	62	91	98	0	11	4087.4
	Harmony Extra	0.25		0_	٠.		ŭ		
9	Roundup WeatherMax		oz/a	60	89	97	0	11	3982.1
	Harmony Extra	0.125				Ŭ.			3002.1
LSF) (P=.05)			5.5	6.8	5.2	0.0	1.8	665.68
Standard Deviation			3.2	4.0	3.0	0.0	1.1	384.57	
CV				5.24	4.62	3.16	0.0	9.35	9.35

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 6: TY1 = 363.0*[5]

Mar-03-06 (C06-05) Site Description Page 3 of 5

University of Georgia

ъ	ild radish re	sponse to glyphosate plu	us 2,4-D, Harmony l	Extra, or Express.				
Trial ID: C6-05		Study Dir.: C	ulpepper					
Location: Ponder	c 5151		Investigator: Stanley Culpepper					
a. 1 5' .		ERAL TRIAL INFORMATION	- '.'.					
Study Director:			Title: Ext. Weed	Science				
Affiliation:		gıa						
Postal Code:	31794							
Investigator:	Stanley Culne	nner	Title: Ext. Weed	Science				
Affiliation:			IICIE. EAC. WCCa	beteriee				
		gia						
Postal Code:	31/94							
		TRIAL LOCATION						
City: Ty	Гу	Trial :	Status:	completed				
State/Prov.: GA	-	Trial 1	Reliability:					
Postal Code: 31	794	Initia	tion Date:	Apr-04-05				
Country: USA			d Completion Date:	=				
-		N-Latitud						
		 Unit: Angle						
Directions:			-					
		COOPERATOR/LANDOWNER						
			Country:					
			Phone No:					
			Fax No:					
Address 2:								
City:								
Postal Code:								
	(()		(()					
		Conducted Undeline Description:						
Guidelines	Guid	erine bescription.						
Objective:								
Conclusions:								
	CPO	P AND WEED DESCRIPTION						
Weed Code Commo		Scientific Name						
1. RAPRA wild		Beleficille Hame						
I. RAPRA WIIG	radish							
Crop 1: GOSHI	gotton		Variety: DP 555 H	D /DD				
		Planting Method:		B) KK				
Planting Date: F	.pr-20-02	epth: 0.5 in Pe	11111 arop					
		cing Within Row:						
Soil Temperature	:: /2 F SO	il Moisture: moist	Emergence Date	: May-03-05				
		SITE AND DESIGN						
Plot Width. Unit	: 6 FT	Plot Length, Unit: 20	O FT Reps:	3				
Site Type: Re								
		n llage Study Design: R <i>P</i>	ANDOMIZED COMDIETE	RT.OCK				
TITIAGE TYPE: CC	TIDEL VACIOII (I	TIAGE BUILD DESIGN: RA	TANDOMITATIN COMBITETE	DLOCK				
Trial Initiation	. Comments:							
Previous	Crops	Previous Pes	sticides	Year				

		Maintenance	Form	Form	Form		Rate
No.	Date	Treatment Name	Conc	Unit	Type	Rate	Unit
1.							

SOIL DESCRIPTION

Texture:

% Sand: 94 % OM: 1.3 % Silt: 2 pH: 5.9 % Clay: 4 CEC: ____ Soil Name: Tifton sandy loam

Fert. Level: __

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Туре	Interval	Unit
1.							

Overall Moisture Conditions: irrigated

Closest Weather Station:

APPLICATION DESCRIPTION

	A
Application Date:	Apr-04-05
Time of Day:	10 am
Application Method:	broadcast
Application Timing:	burndown
Applic. Placement:	over weed
Air Temp., Unit:	71 F
% Relative Humidity:	44
Wind Velocity, Unit:	1 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	72 F
Soil Moisture:	wet
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	01101 011101 1
	A
Crop 1 Code, Stage:	GOSHI preplant
Stage Scale:	not up
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	RAPRA preplant
Stage Scale:	20"60%pod
Density, Unit:	4 ydsq

APPLICATION EQUIPMENT

		A
Appl. Equipment:	backı	pack
Operating Pressure:	23	
Nozzle Type:	flat	fan
Nozzle Size:	11002	2
Nozzle Spacing, Unit:	18	inch
Nozzles/Row:	2	
Band Width, Unit:		
Boom Length, Unit:	4.5	feet
Boom Height, Unit:	15	inch
Ground Speed, Unit:	3	mph
Incorporation Equip.:		
Hours to Incorp.:		
Incorp. Depth, Unit:		
Carrier:	wate	r
Spray Volume, Unit:	14.8	GPA
Spray pH:		
Propellant:	CO2	
Tank Mix (Y/N):	Y	

Trt No	Treatment Application Comment