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	Glyp	hosat	e timir	ng and	l rate	e for	the	burnd	own of cabb	age p	ost-h	arvest	:.
Trial ID: Veg9-06 Study Dir.: Andrew MacRae													
Loc	ation: TyTy			I	nvest	igat	or: St	tanley	/ Culpepper				
Rep		ots: 6 k	by 20 fee	t									
Spray vol: 14.8 gal/ac Mix size: 1 liters (min .55561)													
Trt Treatment Form Form Form Rate Grow Appl Amt Product Plot No. By Rep													
No.	Name	Conc	Unit	Туре	Rate	Unit	Stg	Code	to Measure	1	2	3	
1	1 day after harvest							А		101	202	312	
	Roundup WeatherMax	5.5	LB/GAL	EC	1	PT/A			8.445 ml/mx				
2	1 day after harvest			50	0			А	40.00 1/	102	212	307	
	Roundup WeatherMax	5.5	LB/GAL	EC	2	PT/A		-	16.89 ml/mx				
3	1 day after harvest			F 0	~			A		103	209	308	
4	Roundup WeatherMax	5.5	LB/GAL	EC	3	PT/A		•	25.34 ml/mx	404	04.0	200	
4	1 day after harvest Roundup WeatherMax	55	LB/GAL	EC	1	PT/A		A	33.78 ml/mx	104	210	302	
5	7 days after harvest	0.0	LD/GAL	EC	4	F I/A		В	55.76 mi/mx	105	206	303	
5	Roundup WeatherMax	55	LB/GAL	FC	1	PT/A		D	8.445 ml/mx	105	200	303	
6	7 days after harvest	0.0		20		1 1// (В	0.110 111,111	106	208	309	
0	Roundup WeatherMax	5.5	LB/GAL	EC	2	PT/A		D	16.89 ml/mx	100	200	505	
7	7 days after harvest					,		В		107	211	304	
	Roundup WeatherMax	5.5	LB/GAL	EC	3	PT/A		2	25.34 ml/mx			001	
8	7 days after harvest							В		108	201	305	
	Roundup WeatherMax	5.5	LB/GAL	EC	4	PT/A			33.78 ml/mx				
9	14 days after harvest							С		109	205	310	
	Roundup WeatherMax	5.5	LB/GAL	EC	1	PT/A			8.445 ml/mx				
10	14 days after harvest							С		110	203	311	
	Roundup WeatherMax	5.5	LB/GAL	EC	2	PT/A			16.89 ml/mx				
11	14 days after harvest							С		111	204	306	
	Roundup WeatherMax	5.5	LB/GAL	EC	3	PT/A			25.34 ml/mx				
12	14 days after harvest							С		112	207	301	
	Roundup WeatherMax	5.5	LB/GAL	EC	4	PT/A			33.78 ml/mx				

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
316.690	ml	Roundup WeatherMax	5.5	EC	

'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).
'Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Determine the most effective glyphosate rate and time of application to kill cabbage after harvest.

Cabbage Control:

1. Main effect means were of biological importance.

2. When pooled over application timings, 4, 3, 2, and 1 pt/A of WeatherMax provided 96, 88, 85, and 66% control at 57 days after the initial application.

3. When pooled over herbicide rates, control was greatest with a 7 d after harvest application (91%) followed by 1 day after harvest application (85%) and then 14 d after harvest application (76%). Evaluations were taken 57 d after the initial application.

CONCLUSION:

1. The most effective and economical option would be an application of WeatherMax at 2 pt/A at 7 d after harvest.

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Glyphosate ti	ming and :	rate for	the burnd	own of cabbage post-harvest.
Trial ID: Veg9-06		Study Dir.		
Location: TyTy	Inv	vestigator	: Stanley	y Culpepper
Crop Code	BRSOL	BRSOL	BRSOL	
Rating Data Type	injury	control	control	
Rating Unit	percent	percent	percent	
Rating Date	Jan-05-06	Jan-13-06	Jan-16-06	
Assessed By	AM		AM	
Trt-Eval Interval	49 DA-A	57 DA-A	60 DA-A	
Trt Treatment Rate				
No. Name Rate Unit	1	2	3	
1 1 day after harvest Roundup WeatherMax 1 PT/A	62 g	63 e	43 f	
2 1 day after harvest Roundup WeatherMax 2 PT/A	67 fg	88 c	60 de	
3 1 day after harvest Roundup WeatherMax 3 PT/A	83 cd	92 bc	82 bc	
4 1 day after harvest Roundup WeatherMax 4 PT/A	90 abc	96 ab	90 ab	
5 7 days after harvest Roundup WeatherMax 1 PT/A	50 h	79 d	27 g	
6 7 days after harvest Roundup WeatherMax 2 PT/A	87 bc	91 bc	78 bc	
7 7 days after harvest Roundup WeatherMax 3 PT/A	95 ab	94 ab	90 ab	
8 7 days after harvest Roundup WeatherMax 4 PT/A	99 a	99 a	99 a	
9 14 days after harvest Roundup WeatherMax 1 PT/A	47 h	57 f	13 g	
1014 days after harvest Roundup WeatherMax2PT/A	73 ef	76 d	55 ef	
1114 days after harvest Roundup WeatherMax3 PT/A	77 de	78 d	72 cd	
12 14 days after harvest Roundup WeatherMax 4 PT/A	95 ab	95 ab	93 ab	
LSD (P=.05)	9.5	4.5	15.1	
Standard Deviation	5.6	2.7	8.9	
CV	7.27	3.17	13.3	
Bartlett's X2	5.829		11.528	
P(Bartlett's X2)	0.757	0.202	0.318	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Feb-21-07 (veg9-06)

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	Glyphosate timing and	rate for the burndown of cabbag	ge post-harvest.
Trial ID: Veg9	-06	Study Dir.: Andrew MacRae	
Location: TyTy	Ir	nvestigator: Stanley Culpepper	
	GENERAL TRIAL	TNFORMATION	
Study Director	: Andrew MacRae	Title: Ext. Weed	Science
-	Univ. of Georgia		
Postal Code:			
Investigator:	Stanley Culpepper	Title: Ext. Weed	Science
Affiliation:	Univ. of Georgia		
Postal Code:	31794		
	TRIAL I	LOCATION	
City: T	уТу	Trial Status:	
State/Prov.: GA		Trial Reliability:	Good
Postal Code: 3	1794	Initiation Date:	Sep-12-05
Country: U		Planned Completion Date:	
E-Longitude of	LL Corner °:	N-Latitude of LL Corner °:	
Altitude of LL	Corner: Unit: _	Angle y-axis to North °:	
Directions:			
		R/LANDOWNER	
Cooperators	COOPERATOR		
Org:		~1	
Address 2:			
City:			
Postal Code: _			
Conducted Unde:	r GLP (Y/N): N	Conducted Under GEP (Y/N): N	
Guidelines: _	Guideline Desc	cription:	
Objective:			
Conclusions:			

	CROP AND WEED DESCRIPTION										
Weed	Code		Cor	nmon Na	me	Scientific Name					
1.											
-		RSOL (Plan	ting	Mothor		-		Blue Diamond
	-		-			-			-		
Rate:	1	ft		De	pth: 1	in		Perer	mial Ag	je:	
Row S	pacing	j: 20	in	Spac	ing Within	Row:	1	ft	Seed	d Bed: _	
Soil	Temper	ature:	92	F Soi	l Moisture	: moi	st		Emerger	nce Date	:
					SITE AND	DESIG	N				
Plot	Width,	Unit:	6	FT	Plot Leng	gth,	Unit:	20	FT	Reps:	3
Site	Type:	Res	earch	station							
Tilla	ge Tyr	e: Con	ventio	nal	Stu	dy De	sign:	FACTO	RIAL		

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

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MAINTENANCE

Field Prep./Maintenance: Cabbage was harvested on 11-16-05 when heads were 4-5 inches in size. Applications made based on days after harvest.

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

					S
%	Sand:	94	% OM:	1.1	
%	silt:	2	pH:	6.1	
%	Clay:	4	CEC:		

SOIL DESCRIPTION Texture: sand

pH:	6.1	Soil Name:	Tifton	sandy	loam
CEC:		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:

_ Distance: ____ Unit: __

APPLICATION DESCRIPTION

		A		В		C
Application Date:	Nov-	17-05	Nov-23-05		Dec-01-0	
Time of Day:	5:00	pm	5:45	pm	5:30) pm
Application Method:	Broa	dcast	Broa	ldcast	Broa	adcast
Application Timing:	1 da	У	7 da	7 day		lay
Applic. Placement:	over	top	over	top	over	rtop
Air Temp., Unit:	55	F	55	F	56	F
% Relative Humidity:	26		39		36	
Wind Velocity, Unit:	2	mph	3	mph	1	mph
Dew Presence (Y/N):	n		n		n	
Water Hardness:						
Soil Temp., Unit:	55	F	51	F	53	F
Soil Moisture:	Moist		Moist		Moist	
% Cloud Cover:	5		5		20	

CROP STAGE AT EACH APPLICATION

	A	В	С
Crop 1 Code, Stage:	BRSOL .	BRSOL .	BRSOL .
Stage Scale:	No growth	New Growt	1 in bud
Height, Unit:			

WEED STAGE AT EACH APPLICATION

	A	В	C
Weed 1 Code, Stage:			
Stage Scale:			
Density, Unit:			

Site Description Page 5 of 5

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	APPLICATION EQUIPMENT							
	А		В		С			
Appl. Equipment:	Backpack		Backpack		Backpack			
Operating Pressure:	27 psi		27 psi		27 psi			
Nozzle Type:	flat	fan	flat	fan	flat	fan		
Nozzle Size:	11002 DG		11002 DG		11002 DG			
Nozzle Spacing, Unit:	20	inch	20	inch	20	inch		
Nozzles/Row:	2		2		2			
Band Width, Unit:								
Boom Length, Unit:	60	inch	60	inch	60	inch		
Boom Height, Unit:								
Ground Speed, Unit:	3	mph	3	mph	3	mph		
Incorporation Equip.:								
Hours to Incorp.:								
Incorp. Depth, Unit:								
Carrier:	water		water		water			
Spray Volume, Unit:	14.8	gpa	14.8	gpa	14.8	gpa		
Spray pH:								
Propellant:	CO2		CO2		CO2			
Tank Mix (Y/N):								

Trt No

Treatment Application Comment