University of Georgia

LARGE PIGWEED CONTROL WITH COBRA + RESOURCE

NON-CROP

Trial ID: NC-08-12 Study Dir.: JEFF SMITH Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 50 feet

Spray vol: 15 gal/ac Mix size: 1.5 liters (min 1.1732)

	Treatment Name						Amt Product to Measure	Rep 1	2	3
1	NTC							101	202	302
2	COBRA RESOURCE COC NIS AMS XTRA		4.0 0.83 0.25	OZ/A OZ/A % V/V % V/V % V/V	POST POST POST	A A A	7.812 ml/mx 3.125 ml/mx 12.45 ml/mx 3.75 ml/mx 37.5 ml/mx	102	201	304
3	COBRA RESOURCE COC NIS AMS XTRA		6.0 0.83 0.25	OZ/A % V/V % V/V	POST POST POST	A A A	9.374 ml/mx 4.687 ml/mx 12.45 ml/mx 3.75 ml/mx 37.5 ml/mx	103	204	301
4	COBRA COC NIS AMS XTRA	2 EC 3.4 SL	0.83 0.25	% V/V % V/V	POST POST	A A	9.374 ml/mx 12.45 ml/mx 3.75 ml/mx 37.5 ml/mx	104	203	303

Sort Order: Replicate 1

Trial Comments

PALMER STAGE OF GROWTH (25 PLANTS): LOW = 7" TALL; HIGH = 16" TALL; AVERAGE = 10" TALL

SUMMARY:

1) AT 7 DAT, ALL TREATMENTS PROVIDED AT LEAST 90% CONTROL OF PALMER AMARANTH. RESOURCE DID NOT IMPROVE CONTROL WHEN TANK-MIXED WITH COBRA.

2) AT 27 DAT, CONTROL OF PALMER AMARANTH WAS **LESS THAN 69% WITH ALL TREATMENTS**. THERE WAS NO DIFFERENCE IN CONTROL BETWEEN COBRA AND COBRA + RESOURCE.

Trial ID:

Location:

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NON-CROP NC-08-12 Study Dir.: JEFF SMITH PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION Study Director: JEFF SMITH Title: Postal Code: Affiliation: **Investigator:** Eric P. Prostko Title: Affiliation: Postal Code: Country: **Trial Status:** Initiation Date: State/Prov.: Postal Code: Conducted Under GLP (Y/N): N Conducted Under GEP (Y/N): Objective: Conclusions: **CROP AND PEST DESCRIPTION** Weed 1. AMAPA PALMER AMARANTH 2. Variety: _ Crop 1: **Planting Date:** Planting Method: Rate: Depth: Perennial Age: Seed Bed: **Row Spacing:** Soil Moisture: Soil Temperature: **Emergence Date:** Plot Width. Unit: Plot Length, Unit: Reps: 3 Site Type: Tillage Type: CONVENTIONAL Study Design: RACOBL **Trial Initiation Comments:** Previous: Crops Pesticides Year MAINTENANCE Field Prep./Maintenance: Form Form Form Rate Treatment Name Conc Unit Type Rate Unit No. Date 1. SOIL DESCRIPTION % OM: ____ % Sand: _ Texture: _ % Silt: Fertility Level: Soil Name: **MOISTURE CONDITIONS** On: Date Time Amount Unit Type **Interval Unit Overall Moisture Conditions:** Closest Weather Station: Distance: Unit:

University of Georgia LARGE PIGWEED CONTROL WITH COBRA + RESOURCE

NON-CROP NC-08-12 PONDET NC-08-12 Study Dir.: JEFF SMITH PONDER FARM Investigator: Eric P. Prostko Trial ID: Location:

	APF A		N DESCRIPTI B	_	E	F	
Application Date:	Jun-12-12			, ,		r	
Time of Day:	7:00 AM						-
Application Method:		т					-
Application Timing:		'					-
	FOLIAGE						-
Air Temp., Unit:	73 F						-
% Relative Humidity:							
Wind Velocity, Unit:							-
Dew Presence (Y/N):							•
Water Hardness:		_	_	_	_	_	
Soil Temp., Unit:	73 F						-
Soil Moisture:	OPTIMUM						_
% Cloud Cover:	20						_
	CPOPS	TAGE AT	EACH APPL	ICATION			
	A		B C		E	F	
Crop 1 Stage:							
Stage Scale:							
Height, Unit:							
	WEE	D STAGE	AT EACH AP	PLICATION			
		Α	В	С	D	E	F
Weed 1 Stage: Al	MAPA SEE						
Stage Scale:	COMM	IENTS					
Density, Unit:							
-							
		APPLIC	ATION EQUI	PMENT			
		Α	В	С	D	E	F
Appl. Equipment:	BACKPACK						
Operating Pressure:							
Nozzle Type:	FLAT FAN						
Nozzle Size:	11002DG						
Nozzle Spacing, Unit	: 20	ĪN					
Nozzles/Row:							
Band Width, Unit:							
Boom Length, Unit:	60	IN					
Boom Height, Unit:	3.5	MPH					
Ground Speed, Unit:							
Incorporation Equip.	:						
Hours to Incorp.:							
Incorp. Depth, Unit:	11/4= ===						
Carrier:	WATER						
Spray Volume, Unit:	15	GPA					
Spray pH:	000						
Propellant:	CO2						
Tank Mix (Y/N):	_	_		_	_	_	
Trt No Trea	atment Appli	cation Co	mment				

University of Georgia
LARGE PIGWEED CONTROL WITH COBRA + RESOURCE NON-CROP

NC-08-12 NC-08-12 Study Dir.: JEFF SMITH PONDER FARM Investigator: Eric P. Prostko Trial ID: Location:

Crop Code				
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University of Georgia

LARGE PIGWEED CONTROL WITH COBRA + RESOURCE

NON-CROP

Trial ID: NC-08-12 Study Dir IIII

Location: PONDER FARM

Weed Code								
Part Rated Rating Data Type Rating Data Rating Date Crop Stage Crop Stage Weed Density, Unit Footnote Number Trt-Eval Interval PRM Data Type # Subsamples, Dec. Trt Treatment Form Form Rate Unit Stg Code Plot 1 NTC 1 NTC 1 NTC 1 NTC 2 COBRA 2 EC 10.0 OZ/A POST A 102 RESOURCE 0.86 EC 4.0 OZ/A POST A 201 NIS AMS XTRA 3.4 SL 2.5 % V/V POST A AMS XTRA 3.4 SL 2.5 % V/V POST A AMS XTRA 3.4 SL 2.5 % V/V POST A AMS XTRA 3.4 SL 2.5 % V/V POST A AMS XTRA 3.4 SL 2.5 % V/V POST A Mean = 90.0 COC 0.83 % V/V POST A 0.25 % V/V POST						AMAPA	AMAPA	AMAPA
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RESOURCE 0.86 EC					Mean =	0.0	0.0	0.0
COC NIS 0.25 % V/V POST A 304 90.0 60.0 40.0 NIS 0.25 % V/V POST A AMS XTRA 3.4 SL 2.5 % V/V POST A Mean = 94.3 73.3 61.7 3 COBRA 2 EC 12.0 OZ/A POST A 103 95.0 85.0 75.0 RESOURCE 0.86 EC 6.0 OZ/A POST A 204 90.0 65.0 60.0 COC 0.83 % V/V POST A 301 85.0 60.0 50.0 NIS 0.25 % V/V POST A AMS XTRA 3.4 SL 2.5 % V/V POST A 204 90.0 65.0 60.0 S0.0 NIS 0.25 % V/V POST A 204 90.0 65.0 60.0 50.0 NIS 0.25 % V/V POST A 204 90.0 65.0 60.0 50.0 NIS 0.25 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 65.0 50.0 AMS XTRA 3.4 SL 2.5 % V/V POST A 303 95.0 65.0 50.0	2 COBRA	2 EC	10.0 OZ/A	POST.	A 102	95.0	65.0	65.0
NIS AMS XTRA 3.4 SL 2.5 % V/V POST A Mean = 94.3 73.3 61.7 3 COBRA 2 EC 12.0 OZ/A POST A 103 95.0 85.0 75.0 RESOURCE 0.86 EC 6.0 OZ/A POST A 204 90.0 65.0 60.0 COC 0.83 % V/V POST A 301 85.0 60.0 50.0 NIS 0.25 % V/V POST A AMS XTRA 3.4 SL 2.5 % V/V POST A 104 98.0 95.0 90.0 COC 0.83 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 80.0 65.0 AMS XTRA 3.4 SL 2.5 % V/V POST A 303 95.0 65.0 50.0	RESOURCE	0.86 EC	4.0 OZ/A	POST.	A 201	98.0	95.0	80.0
AMS XTRA 3.4 SL 2.5 % V/V POST A Mean = 94.3 73.3 61.7	COC					90.0	60.0	40.0
Mean = 94.3 73.3 61.7								
3 COBRA 2 EC 12.0 OZ/A POST A 103 95.0 85.0 75.0 RESOURCE 0.86 EC 6.0 OZ/A POST A 204 90.0 65.0 60.0 COC 0.83 % V/V POST A 301 85.0 60.0 50.0 NIS 0.25 % V/V POST A	AMS XTRA	3.4 SL	2.5 % V/V	POST	A			
3 COBRA 2 EC 12.0 OZ/A POST A 103 95.0 85.0 75.0 RESOURCE 0.86 EC 6.0 OZ/A POST A 204 90.0 65.0 60.0 COC 0.83 % V/V POST A 301 85.0 60.0 50.0 NIS 0.25 % V/V POST A								
RESOURCE 0.86 EC 6.0 OZ/A POST A 204 90.0 65.0 60.0 COC 0.83 % V/V POST A 301 85.0 60.0 50.0 NIS 0.25 % V/V POST A Mean = 90.0 70.0 61.7 4 COBRA 2 EC 12.0 OZ/A POST A 104 98.0 95.0 90.0 COC 0.83 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 65.0 AMS XTRA 3.4 SL 2.5 % V/V POST A 303 95.0 65.0 50.0					Mean =	94.3	73.3	61.7
COC NIS 0.25 % V/V POST A 301 85.0 60.0 50.0 NIS NS 0.25 % V/V POST A Mean = 90.0 70.0 61.7 4 COBRA 2 EC 12.0 OZ/A POST A 104 98.0 95.0 90.0 COC 0.83 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 65.0 50.0 AMS XTRA 3.4 SL 2.5 % V/V POST A 303 95.0 65.0 50.0	3 COBRA	2 EC	12.0 OZ/A	POST.	A 103	95.0	85.0	75.0
NIS AMS XTRA 3.4 SL 2.5 % V/V POST A Mean = 90.0 70.0 61.7 4 COBRA 2 EC 12.0 OZ/A POST A 104 98.0 95.0 90.0 COC 0.83 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 65.0 50.0 AMS XTRA 3.4 SL 2.5 % V/V POST A	RESOURCE	0.86 EC	6.0 OZ/A	POST.	A 204	90.0	65.0	60.0
AMS XTRA 3.4 SL 2.5 % V/V POST A Mean = 90.0 70.0 61.7						85.0	60.0	50.0
Mean = 90.0 70.0 61.7 4 COBRA 2 EC 12.0 OZ/A POST A 104 98.0 95.0 90.0 COC 0.83 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 65.0 50.0 AMS XTRA 3.4 SL 2.5 % V/V POST A								
4 COBRA 2 EC 12.0 OZ/A POST A 104 POST A 98.0 POST A 95.0 POST A 90.0 POST A 95.0 POST A <	AMS XTRA	3.4 SL	2.5 % V/V	POST	A			
4 COBRA 2 EC 12.0 OZ/A POST A 104 POST A 98.0 POST A 95.0 POST A 90.0 POST A 95.0 POST A <								
COC 0.83 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 65.0 50.0 AMS XTRA 3.4 SL 2.5 % V/V POST A					Mean =	90.0	70.0	61.7
COC 0.83 % V/V POST A 203 95.0 80.0 65.0 NIS 0.25 % V/V POST A 303 95.0 65.0 50.0 AMS XTRA 3.4 SL 2.5 % V/V POST A	4 COBRA	2 EC	12.0 OZ/A	POST	A 104	98.0	95.0	90.0
AMS XTRA 3.4 SL 2.5 % V/V POST A	COC		0.83 % V/V	POST	A 203		80.0	
	NIS		0.25 % V/V	POST	A 303	95.0	65.0	50.0
Mean = 96.0 80.0 68.3	AMS XTRA	3.4 SL	2.5 % V/V	POST	A			
Mean = 96.0 80.0 68.3								
					Mean =	96.0	80.0	68.3