

University of Georgia

Evaluating methyl bromide alternatives in large acreage on farm trials.

Trial ID: Veg39-06

Study Dir.: Martin Flora

Location: Southern Valley (A7)

Investigator: Stanley Culpepper

Weed Code	IAQTA	CASOB	CASOB	plant 1	plant 2	plant 3	plant 4	plant 5			
Crop Code				CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	ct	ct	ct	ht	ht	ht	ht	ht			
Rating Unit	#	#	#	cm	cm	cm	cm	cm			
Rating Date	Mar-22-06	Mar-22-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06			
Trt-Eval Interval	48 DA-A	48 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A			
ARM Action Codes											
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6	7	8
1	MB 400	0 a		0 a	0 a	0 a	19 a	19 a	18 a	20 a	19 a
2	Telone II 12 G Pic 150 lb Vapam 75 G	0 a		0 a	0 a	0 a	17 a	17 a	17 a	18 b	19 a
LSD (P=.05)		0.6		1.4	1.0	6.5	4.2	4.4	1.8	2.5	
Standard Deviation		0.3		0.8	0.6	3.7	2.4	2.5	1.0	1.4	
CV		316.23		258.2	197.2	20.41	13.03	14.01	5.38	7.6	
Bartlett's X2		0.0		1.68	0.154	5.324	4.464	2.922	0.036	1.39	
P(Bartlett's X2)		.		0.195	0.695	0.021*	0.035*	0.087	0.849	0.238	

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

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Weed Code	plant 6	plant 7	plant 8	plant 9	plant 10	plant 11	plant 12	plant 13	plant 14			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06			
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A			
ARM Action Codes												
Trt No.	Treatment Name	Rate	Unit	9	10	11	12	13	14	15	16	17
1	MB 400			19 a	18 a	18 a	19 a	19 a	19 a	18 a	19 a	18 a
2	Telone II 12 G Pic 150 lb Vapam 75 G			17 a	16 a	18 a	17 a	17 a	17 a	17 a	18 a	18 a
LSD (P=.05)				3.2	2.8	3.3	3.5	2.9	4.1	5.6	3.0	3.6
Standard Deviation				1.8	1.6	1.9	2.0	1.7	2.3	3.2	1.7	2.0
CV				10.13	9.43	10.51	10.87	9.21	12.84	18.31	9.16	11.26
Bartlett's X2				0.341	1.119	1.647	0.833	2.905	1.024	1.93	0.692	0.237
P(Bartlett's X2)				0.559	0.29	0.199	0.361	0.088	0.312	0.165	0.405	0.626

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

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Weed Code	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant 21	plant 22	plant 23			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06			
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A			
ARM Action Codes												
Trt No.	Treatment Name	Rate	Unit	18	19	20	21	22	23	24	25	26
1	MB 400			18 a	17 a	19 a	19 a	17 a	19 a	19 a	20 a	19 a
2	Telone II 12 G Pic 150 lb Vapam 75 G			18 a	18 a	15 b	19 a	18 a	19 a	18 a	18 a	20 a
LSD (P=.05)				3.1	4.0	2.9	2.8	5.4	2.4	3.6	5.3	3.7
Standard Deviation				1.8	2.3	1.7	1.6	3.1	1.4	2.0	3.0	2.1
CV				9.84	12.82	9.64	8.44	17.32	7.16	10.95	16.18	10.7
Bartlett's X2				0.002	0.336	2.37	1.508	0.003	0.473	3.888	0.203	1.723
P(Bartlett's X2)				0.96	0.562	0.124	0.219	0.959	0.492	0.049*	0.652	0.189

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

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Weed Code	plant 24	plant 25	plant 26	plant 27	plant 28	plant 29	plant 30	plant 31	plant 32			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06			
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A			
ARM Action Codes												
Trt No.	Treatment Name	Rate	Unit	27	28	29	30	31	32	33	34	35
1	MB 400			19 a	19 a	20 a	20 a	19 a	20 a	20 a	19 a	21 a
2	Telone II 12 G Pic 150 lb Vapam 75 G			19 a	18 a	18 a	19 a	18 a	19 b	18 a	19 a	18 a
LSD (P=.05)				3.4	2.5	2.7	5.2	4.0	1.1	4.3	3.7	4.9
Standard Deviation				2.0	1.4	1.5	3.0	2.3	0.6	2.5	2.1	2.8
CV				10.33	7.73	8.03	15.33	12.4	3.26	13.21	11.1	14.44
Bartlett's X2				0.209	1.295	2.776	4.92	0.649	3.846	0.705	1.156	0.002
P(Bartlett's X2)				0.647	0.255	0.096	0.027*	0.421	0.05*	0.401	0.282	0.966

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

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Weed Code	plant 33	plant 34	plant 35	plant 36	plant 37	plant 38	plant 39	plant 40	Avg.40pl			
Crop Code	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN	CPSAN			
Rating Data Type	ht	ht	ht	ht	ht	ht	ht	ht	ht			
Rating Unit	cm	cm	cm	cm	cm	cm	cm	cm	cm			
Rating Date	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06			
Trt-Eval Interval	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A	69 DA-A			
ARM Action Codes									T1			
Trt No.	Treatment Name	Rate	Unit	36	37	38	39	40	41	42	43	44
1	MB 400	20	a	20 a	19 a	18 a	18 a	15 a	19 a	18 a	18 a	19 a
2	Telone II 12 G Pic 150 lb Vapam 75 G	18	a	18 a	17 a	19 a	18 a	18 a	18 a	18 a	20 a	18 a
LSD (P=.05)		3.6		3.6	5.2	3.3	6.7	4.1	3.2	5.7	2.6	1.4
Standard Deviation		2.0		2.0	2.9	1.9	3.8	2.3	1.8	3.3	1.5	0.8
CV		10.49		10.49	16.25	10.0	21.5	14.02	10.06	17.99	7.8	4.49
Bartlett's X2		0.038		0.038	0.776	0.37	0.985	3.468	8.275	1.527	0.019	4.161
P(Bartlett's X2)		0.846		0.846	0.378	0.543	0.321	0.063	0.004*	0.217	0.89	0.041*

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Column 44: T1 = @AVG([C4],[C43])

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MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: _____ % OM: 0. Texture: _____
 % Silt: _____ pH: 0. Soil Name: _____
 % Clay: _____ CEC: _____ Fert. Level: _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: .

Closest Weather Station: _____ Distance: _____ Unit: ____

APPLICATION DESCRIPTION

	A
Application Date:	Feb-02-06
Time of Day:	all day
Application Method:	in bed
Application Timing:	preplant
Applic. Placement:	in bed
Air Temp., Unit:	60 F
% Relative Humidity:	48
Wind Velocity, Unit:	3 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	58 F
Soil Moisture:	moist
% Cloud Cover:	25

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CPSAN preplant
Stage Scale:	not up
Height, Unit:	0 inch

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	IAQTA preplant
Stage Scale:	not up
Density, Unit:	. .
Weed 2 Code, Stage:	CASOB preplant
Stage Scale:	not up
Density, Unit:	. .

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APPLICATION EQUIPMENT

	A
Appl. Equipment:	see
Operating Pressure:	comment
Nozzle Type:	section
Nozzle Size:	
Nozzle Spacing, Unit:	
Nozzles/Row:	
Band Width, Unit:	
Boom Length, Unit:	
Boom Height, Unit:	
Ground Speed, Unit:	
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	
Spray Volume, Unit:	
Spray pH:	
Propellant:	
Tank Mix (Y/N):	

Trt No	Treatment Application Comment