



# University of Georgia

Evaluating methyl bromide alternatives in large acreage on farm trials.

Trial ID: Veg45-06

Study Dir.: Martin Flora

Location: Southern Valley (A3)

Investigator: Stanley Culpepper

Weed Code	IPOLA CPSAN	IPOLA CPSAN	CYPZZ CPSAN	CYPZZ CPSAN	IAQTA CPSAN	plant 1 CPSAN	plant 2 CPSAN	plant 3 CPSAN	
Rating Data Type	#	#	#	#	#	ht	ht	ht	
Rating Unit	per plot	per plot	per plot	per plot	per plot	cm	cm	cm	
Rating Date	Mar-22-06	Apr-12-06	Mar-22-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	Apr-12-06	
Trt-Eval Interval	28 DA-A	49 DA-A	28 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	
ARM Action Codes									
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	Unit	
		1	2	3	4	5	6	7	
		8							
1	MB 400	1 a	6 a	0 a	2 a	8 a	23 a	23 a	22 a
2	Telone II 12 G Pic 150 lb Vapam 75 G	1 a	5 a	0 a	0 a	9 a	22 a	22 a	21 a
LSD (P=.05)		1.5	4.5	0.0	5.3	9.6	5.9	2.3	3.6
Standard Deviation		0.9	2.6	0.0	3.0	5.5	3.4	1.3	2.1
CV		61.86	48.66	0.0	252.07	65.88	15.18	5.88	9.59
Bartlett's X2		0.0	0.129	0.0	0.0	0.148	4.879	0.0	3.675
P(Bartlett's X2)		1.00	0.719	.	.	0.701	0.027*	.	0.055

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

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Weed Code	plant 4	plant 5	plant 6	plant 7	plant 8	plant 9	plant 10	plant 11	plant 12
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	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A
ARM Action Codes									
Trt No.	9	10	11	12	13	14	15	16	17
Treatment Name									
Rate									
Unit									
1 MB 400	22 a	23 a	23 a	25 a	22 a	23 a	24 a	23 a	23 a
2 Telone II 12 G Pic 150 lb Vapam 75 G	22 a	22 a	22 a	22 b	21 a	21 a	21 a	23 a	23 a
LSD (P=.05)	6.6	5.8	3.2	1.9	3.7	4.2	6.8	4.6	3.0
Standard Deviation	3.8	3.3	1.8	1.1	2.1	2.4	3.9	2.6	1.7
CV	16.94	14.84	8.16	4.6	9.76	10.81	17.2	11.6	7.66
Bartlett's X2	0.027	0.773	0.036	0.158	0.093	0.988	2.865	0.823	6.855
P(Bartlett's X2)	0.869	0.379	0.849	0.691	0.76	0.32	0.091	0.364	0.009*

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

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Weed Code	plant 13	plant 14	plant 15	plant 16	plant 17	plant 18	plant 19	plant 20	plant 21			
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	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A			
ARM Action Codes												
Trt No.	Treatment Name	Rate	Unit	18	19	20	21	22	23	24	25	26
1	MB 400			24 a	23 a	21 a	23 a	22 a	22 a	23 a	22 a	22 a
2	Telone II 12 G Pic 150 lb Vapam 75 G			21 b	22 a	20 a	22 a	22 a	21 a	20 b	19 a	22 a
LSD (P=.05)				3.1	4.2	7.6	4.1	3.0	2.1	2.6	5.5	2.0
Standard Deviation				1.8	2.4	4.3	2.3	1.7	1.2	1.5	3.1	1.2
CV				7.93	10.8	20.86	10.28	7.71	5.53	6.82	15.35	5.31
Bartlett's X2				0.783	1.755	0.434	3.888	0.055	1.68	6.162	3.518	0.496
P(Bartlett's X2)				0.376	0.185	0.51	0.049*	0.815	0.195	0.013*	0.061	0.481

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

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Weed Code	plant 22	plant 23	plant 24	plant 25	plant 26	plant 27	plant 28	plant 29	plant 30			
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	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A			
ARM Action Codes												
Trt No.	Treatment Name	Rate	Unit	27	28	29	30	31	32	33	34	35
1	MB 400			22 a	22 a	22 a	20 a	22 a	24 a	23 a	23 a	24 a
2	Telone II 12 G Pic 150 lb Vapam 75 G			21 a	21 a	21 a	22 a	21 a	21 b	22 a	21 a	22 a
LSD (P=.05)				5.3	3.7	2.7	2.4	3.7	3.4	1.8	4.0	2.6
Standard Deviation				3.0	2.1	1.5	1.4	2.1	1.9	1.0	2.3	1.5
CV				13.95	9.67	7.13	6.63	9.57	8.49	4.72	10.36	6.64
Bartlett's X2				1.566	2.361	4.089	0.973	1.91	2.496	0.997	0.014	1.75
P(Bartlett's X2)				0.211	0.124	0.043*	0.324	0.167	0.114	0.318	0.907	0.186

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

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Weed Code	plant 31	plant 32	plant 33	plant 34	plant 35	plant 36	plant 37	plant 38	plant 39
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	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A	49 DA-A
ARM Action Codes									
Trt No.	36	37	38	39	40	41	42	43	44
Treatment Name									
Rate									
Unit									
1 MB 400	23 a	21 a	22 a	21 a	22 a	24 a	22 a	23 a	23 a
2 Telone II 12 G Pic 150 lb Vapam 75 G	20 a	18 a	22 a	20 a	22 a	21 a	20 a	20 b	19 b
LSD (P=.05)	3.0	8.4	2.0	6.4	3.0	3.7	5.0	2.7	2.6
Standard Deviation	1.7	4.8	1.2	3.6	1.7	2.1	2.9	1.5	1.5
CV	7.96	24.16	5.28	17.76	7.8	9.41	13.59	7.23	6.98
Bartlett's X2	0.478	0.918	0.099	1.76	0.0	0.007	0.06	2.02	0.0
P(Bartlett's X2)	0.489	0.338	0.753	0.185	1.00	0.936	0.806	0.155	1.00

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

## University of Georgia

Weed Code	plant 40	avg40plt
Crop Code	CPSAN	CPSAN
Rating Data Type	ht	ht
Rating Unit	cm	cm
Rating Date	Apr-12-06	Apr-12-06
Trt-Eval Interval	49 DA-A	49 DA-A
ARM Action Codes		T1
Trt No.		
Treatment Name		
Rate		
Rate Unit		
1 MB 400	22 a	23 a
2 Telone II 12 G Pic 150 lb Vapam 75 G	20 a	21 a
LSD (P=.05)	3.7	1.6
Standard Deviation	2.1	0.9
CV	9.88	4.26
Bartlett's X2	0.592	0.065
P(Bartlett's X2)	0.442	0.799

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

Column 46: T1 = @AVG([C6],[C45])





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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: drip irrigation

Closest Weather Station: \_\_\_\_\_ Distance: \_\_\_\_\_ Unit: \_\_\_\_\_

### APPLICATION DESCRIPTION

	A
Application Date:	Feb-22-06
Time of Day:	9 am
Application Method:	band
Application Timing:	preplant
Applic. Placement:	in bed
Air Temp., Unit:	65 F
% Relative Humidity:	48
Wind Velocity, Unit:	2 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	60 F
Soil Moisture:	moist
% Cloud Cover:	35

### CROP STAGE AT EACH APPLICATION

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

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## WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	IPOLA preplant
Stage Scale:	not up
Density, Unit:	. .
Weed 2 Code, Stage:	CYPZZ preplant
Stage Scale:	not up
Density, Unit:	. .
Weed 3 Code, Stage:	IAQTA preplant
Stage Scale:	not up
Density, Unit:	. .

## APPLICATION EQUIPMENT

	A
Appl. Equipment:	
Operating Pressure:	
Nozzle Type:	see
Nozzle Size:	comments
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