

University of Georgia

FMC HARVEST AID PERFORMANCE EVALUATION-2004

Trial ID: FE-GOSHI

Study Dir.: RUSTY MITCHELL

Location: PONDER FARM

Investigator: Craig Bednarz

Part Rated					DEFOL	OPEN	DEFOL	OPEN	PERFM
Rating Unit					%	%	%	%	%
Rating Date					17/Sep/2004	17/Sep/2004	24/Sep/2004	24/Sep/2004	24/Sep/2004
Target Stage					7 DATE	7 DATE	14 DATE	14 DATE	14 DATE
Trt-Eval Interval					7 DA-A	7 DA-A	14 DA-A	14 DA-A	14 DA-A
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	1	2	3	4	5
1	AIM	0.016	lb ai/a	60% Open	85.8 a	85.0 a	97.3 a	97.3 a	96.5 ab
	NIS	0.25	% v/v	60% Open					
	AIM	0.016	lb ai/a	7 DATE					
	NIS	0.25	% v/v	7 DATE					
2	AIM	0.016	lb ai/a	60% Open	90.8 a	92.0 a	88.8 cd	98.0 a	88.0 c
	ethephon	0.75	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
3	AIM	0.012	lb ai/a	60% Open	83.5 a	88.0 a	96.5 ab	98.0 a	96.5 ab
	ethephon	0.75	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
	AIM	0.016	lb ai/a	7 DATE					
	NIS	0.25	% v/v	7 DATE					
4	AIM	0.016	lb ai/a	60% Open	82.8 a	87.0 a	96.5 ab	98.0 a	96.8 ab
	ethephon	0.75	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
	AIM	0.016	lb ai/a	7 DATE					
	NIS	0.25	% v/v	7 DATE					
5	AIM	0.016	lb ai/a	60% Open	82.8 a	86.3 a	92.5 bc	97.3 a	91.8 bc
	thidiazuron	0.05	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
6	AIM	0.012	lb ai/a	60% Open	84.5 a	87.5 a	98.5 a	97.3 a	98.0 a
	thidiazuron	0.05	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
	AIM	0.016	lb ai/a	7 DATE					
	NIS	0.25	% v/v	7 DATE					
7	AIM	0.016	lb ai/a	60% Open	83.3 a	85.0 a	97.5 a	96.5 a	96.8 ab
	thidiazuron	0.05	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
	AIM	0.016	lb ai/a	7 DATE					
	NIS	0.25	% v/v	7 DATE					
8	AIM	0.008	lb ai/a	60% Open	86.0 a	90.0 a	94.0 ab	98.0 a	93.3 ab
	thidiazuron	0.05	lb ai/a	60% Open					
	ethephon	0.75	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
9	tribufos	0.188	lb ai/a	60% Open	83.5 a	87.0 a	92.0 bc	98.0 a	92.0 bc
	thidiazuron	0.05	lb ai/a	60% Open					
	ethephon	0.75	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
10	tribufos	0.75	lb ai/a	60% Open	90.5 a	90.5 a	88.0 d	99.0 a	87.5 c
	ethephon	1	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
11	thidiazuron	0.1	lb ai/a	60% Open	83.0 a	86.3 a	92.3 bc	97.8 a	93.0 ab
	ethephon	1.0	lb ai/a	60% Open					
	NIS	0.25	% v/v	60% Open					
LSD (P=.05)					7.47	5.39	3.12	2.06	3.44
Standard Deviation					5.17	3.73	2.16	1.43	2.38
CV					6.08	4.26	2.3	1.46	2.54
Grand Mean					85.11	87.68	93.98	97.73	93.64
Bartlett's X2					14.219	15.696	16.859	3.852	11.183
P(Bartlett's X2)					0.163	0.074	0.078	0.571	0.343

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Part Rated	DEFOL	OPEN	DEFOL	OPEN	PERFM
Rating Unit	%	%	%	%	%
Rating Date	17/Sep/2004	17/Sep/2004	24/Sep/2004	24/Sep/2004	24/Sep/2004
Target Stage	7 DATE	7 DATE	14 DATE	14 DATE	14 DATE
Trt-Eval Interval	7 DA-A	7 DA-A	14 DA-A	14 DA-A	14 DA-A
Replicate F	8.695	14.334	0.538	0.804	0.482
Replicate Prob(F)	0.0003	0.0001	0.6596	0.5018	0.6974
Treatment F	1.296	1.478	11.030	0.821	9.260
Treatment Prob(F)	0.2767	0.1960	0.0001	0.6112	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Part Rated					TRGRW	BRGRW
Rating Unit					%	%
Rating Date					1/Oct/2004	1/Oct/2004
Target Stage					21 DATE	21 DATE
Trt-Eval Interval					21 DA-A	21 DA-A
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	6	7
1	AIM	0.016	lb ai/a	60% Open	1.3 bc	7.5 cd
	NIS	0.25	% v/v	60% Open		
	AIM	0.016	lb ai/a	7 DATE		
	NIS	0.25	% v/v	7 DATE		
2	AIM	0.016	lb ai/a	60% Open	8.8 a	17.5 a
	ethephon	0.75	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
3	AIM	0.012	lb ai/a	60% Open	1.3 bc	10.0 bcd
	ethephon	0.75	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
	AIM	0.016	lb ai/a	7 DATE		
	NIS	0.25	% v/v	7 DATE		
4	AIM	0.016	lb ai/a	60% Open	0.0 c	11.3 a-d
	ethephon	0.75	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
	AIM	0.016	lb ai/a	7 DATE		
	NIS	0.25	% v/v	7 DATE		
5	AIM	0.016	lb ai/a	60% Open	7.5 a	15.0 ab
	thidiazuron	0.05	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
6	AIM	0.012	lb ai/a	60% Open	0.0 c	5.0 d
	thidiazuron	0.05	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
	AIM	0.016	lb ai/a	7 DATE		
	NIS	0.25	% v/v	7 DATE		
7	AIM	0.016	lb ai/a	60% Open	1.3 bc	5.0 d
	thidiazuron	0.05	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
	AIM	0.016	lb ai/a	7 DATE		
	NIS	0.25	% v/v	7 DATE		
8	AIM	0.008	lb ai/a	60% Open	6.3 a	13.8 abc
	thidiazuron	0.05	lb ai/a	60% Open		
	ethephon	0.75	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
9	tribufos	0.188	lb ai/a	60% Open	5.0 ab	11.3 a-d
	thidiazuron	0.05	lb ai/a	60% Open		
	ethephon	0.75	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
10	tribufos	0.75	lb ai/a	60% Open	6.3 a	16.3 ab
	ethephon	1	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
11	thidiazuron	0.1	lb ai/a	60% Open	5.0 ab	12.5 abc
	ethephon	1.0	lb ai/a	60% Open		
	NIS	0.25	% v/v	60% Open		
LSD (P=.05)					2.96	4.21
Standard Deviation					2.05	2.91
CV					53.07	25.63
Grand Mean					3.86	11.36
Bartlett's X2					0.106	4.749
P(Bartlett's X2)					1.00	0.691
Replicate F					0.901	1.786
Replicate Prob(F)					0.4522	0.1711
Treatment F					9.649	8.464
Treatment Prob(F)					0.0001	0.0001

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FMC HARVEST AID PERFORMANCE EVALUATION-2004

Trial ID: FE-GOSHI
Location: PONDER FARM

Study Dir.: RUSTY MITCHELL
Investigator: Craig Bednarz

APPLICATION DESCRIPTION

	A	B
Application Date:	10/Sep/2004	22/Sep/2004
Time of Day:	10:15 AM	7:30 AM
Application Method:	SPIDER	SPIDER
Application Timing:	60% OB	7 DATE
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	71 F	67 F
% Relative Humidity:	85	74
Wind Velocity, Unit:	2 MPH	0 MPH
Dew Presence (Y/N):	Y	Y
Soil Moisture:	GOOD	GOOD
% Cloud Cover:	40	0

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	SPIDER	SPIDER
Operating Pressure:	60 PSI	60 PSI
Nozzle Type:	H-CONE	H-CONE
Nozzle Size:	TX-8	TX-8
Nozzle Spacing, Unit:	18 IN	18 IN
Nozzles/Row:	2	2
Boom Length, Unit:	12 FT	12 FT
Ground Speed, Unit:	5 MPH	5 MPH
Carrier:	CO2	CO2