

Tidewater Ag. Res. & Ext. Ctr.

ET as a Harvest Aid

Trial ID: DEF0905
 Protocol ID:
 Location: Res Farm

Study Director:
 Investigator: Dr. Joel C. Faircloth

Part Rated					DEFOL	DESSC	OPNBOL	DEFOL	DESSC	OPNBOL
Rating Unit					%	%	%	%	%	%
Rating Date					27-Sep-2005	27-Sep-2005	27-Sep-2005	06-Oct-2005	06-Oct-2005	06-Oct-2005
Trt Treatment	Form Form	Rate	Growth Appl							
No. Name	Conc Type	Rate Unit	Stage Code							
1 ET	0.21 EC	1.5 OZ/A	60% OBA	78.7 a	9.7 a	80.0 a	98.3 a	0.7 c	92.0 bc	
1 Agridex	L	1% V/V	60% OBA							
1 ET	0.21 EC	1.5 OZ/A	7 DAT B							
1 Agridex	L	1% V/V	7 DAT B							
2 ET	0.21 EC	2 OZ/A	60% OBA	74.0 a	16.7 a	80.3 a	96.3 bc	2.7 b	90.3 c	
2 Agridex	L	1% V/V	60% OBA							
2 ET	0.21 EC	2 OZ/A	7 DAT B							
2 Agridex	L	1% V/V	7 DAT B							
3 ET	0.21 EC	2 OZ/A	60% OBA	79.3 a	15.3 a	88.0 a	95.3 cd	3.3 ab	99.3 a	
3 Prep	6 EC	1 QT/A	60% OBA							
3 Agridex	L	1% V/V	60% OBA							
4 ET	0.21 EC	1.5 OZ/A	60% OBA	75.0 a	17.7 a	85.0 a	95.7 bcd	3.0 b	99.0 a	
4 CottonQuik	2.28 SL	3 PT/A	60% OBA							
4 Agridex	L	1% V/V	60% OBA							
5 ET	0.21 EC	1.5 OZ/A	60% OBA	81.3 a	10.0 a	85.3 a	97.3 ab	1.7 bc	99.0 a	
5 Finish Pro	6 EC	1.33 PT/A	60% OBA							
5 Agridex	L	1% V/V	60% OBA							
6 ET	0.21 EC	1.5 OZ/A	60% OBA	76.7 a	19.0 a	83.7 a	94.0 d	5.0 a	98.3 ab	
6 Prep	6 EC	1 QT/A	60% OBA							
6 Dropp	4 SC	1.6 OZ/A	60% OBA							
6 Agridex	L	1% V/V	60% OBA							
LSD (P=.05)				18.32	10.21	9.08	1.99	1.81	6.88	
Standard Deviation				10.07	5.61	4.99	1.10	0.99	3.78	
CV				13.0	38.14	5.96	1.14	36.53	3.93	
Grand Mean				77.5	14.72	83.72	96.17	2.72	96.33	

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Part Rated					BRGRW	TRGRW	DEFOL	DESSC	OPNBOL	BRGRW		
Rating Unit					%	%	%	%	%	%		
Rating Date					06-Oct-2005	06-Oct-2005	13-Oct-2005	13-Oct-2005	13-Oct-2005	13-Oct-2005		
Trt Treatment No.	Form Conc	Form Type	Rate	Growth Unit	Appl Stage	Code						
1 ET	0.21 EC		1.5 OZ/A	60%	OBA		1.3 bc	0.7 a	98.0 a	0.0 a	92.7 ab	27.0 a
1 Agridex		L	1% V/V	60%	OBA							
1 ET	0.21 EC		1.5 OZ/A	7 DAT	B							
1 Agridex		L	1% V/V	7 DAT	B							
2 ET	0.21 EC		2 OZ/A	60%	OBA		0.7 c	0.3 a	98.0 a	0.0 a	89.3 b	15.3 a
2 Agridex		L	1% V/V	60%	OBA							
2 ET	0.21 EC		2 OZ/A	7 DAT	B							
2 Agridex		L	1% V/V	7 DAT	B							
3 ET	0.21 EC		2 OZ/A	60%	OBA		4.7 a	0.0 a	97.3 a	1.0 a	98.0 a	56.7 a
3 Prep		6 EC	1 QT/A	60%	OBA							
3 Agridex		L	1% V/V	60%	OBA							
4 ET	0.21 EC		1.5 OZ/A	60%	OBA		3.3 ab	0.3 a	97.3 a	0.0 a	98.0 a	48.3 a
4 CottonQuik	2.28 SL		3 PT/A	60%	OBA							
4 Agridex		L	1% V/V	60%	OBA							
5 ET	0.21 EC		1.5 OZ/A	60%	OBA		4.0 a	0.0 a	97.7 a	0.3 a	98.0 a	45.0 a
5 Finish Pro		6 EC	1.33 PT/A	60%	OBA							
5 Agridex		L	1% V/V	60%	OBA							
6 ET	0.21 EC		1.5 OZ/A	60%	OBA		3.3 ab	0.3 a	96.0 a	2.0 a	98.0 a	41.7 a
6 Prep		6 EC	1 QT/A	60%	OBA							
6 Dropp		4 SC	1.6 OZ/A	60%	OBA							
6 Agridex		L	1% V/V	60%	OBA							
LSD (P=.05)							2.22	1.03	2.57	2.54	5.47	26.78
Standard Deviation							1.22	0.57	1.41	1.40	3.01	14.72
CV							42.24	204.35	1.45	251.71	3.14	37.74
Grand Mean							2.89	0.28	97.39	0.56	95.67	39.0

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Part Rated
 Rating Unit
 Rating Date

TRGRW
 %
 13-Oct-2005

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Growth Stage	Appl Code	
1	ET	0.21	EC	1.5 OZ/A	60%	OBA		18.0 a
1	Agridex		L	1% V/V	60%	OBA		
1	ET	0.21	EC	1.5 OZ/A	7 DAT	B		
1	Agridex		L	1% V/V	7 DAT	B		
2	ET	0.21	EC	2 OZ/A	60%	OBA		3.3 a
2	Agridex		L	1% V/V	60%	OBA		
2	ET	0.21	EC	2 OZ/A	7 DAT	B		
2	Agridex		L	1% V/V	7 DAT	B		
3	ET	0.21	EC	2 OZ/A	60%	OBA		1.3 a
3	Prep	6	EC	1 QT/A	60%	OBA		
3	Agridex		L	1% V/V	60%	OBA		
4	ET	0.21	EC	1.5 OZ/A	60%	OBA		2.7 a
4	CottonQuik	2.28	SL	3 PT/A	60%	OBA		
4	Agridex		L	1% V/V	60%	OBA		
5	ET	0.21	EC	1.5 OZ/A	60%	OBA		1.0 a
5	Finish Pro	6	EC	1.33 PT/A	60%	OBA		
5	Agridex		L	1% V/V	60%	OBA		
6	ET	0.21	EC	1.5 OZ/A	60%	OBA		0.0 a
6	Prep	6	EC	1 QT/A	60%	OBA		
6	Dropp	4	SC	1.6 OZ/A	60%	OBA		
6	Agridex		L	1% V/V	60%	OBA		
LSD (P=.05)								21.44
Standard Deviation								11.79
CV								268.55
Grand Mean								4.39

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Crop Description

Crop 1: GOSHI Gossypium hirsutum Cotton, American upland
Variety: DP 449 BG/RR
BBCH Scale: BCOT Planting Date: 18-May-2005

Site and Design

Plot Width, Unit: 12 FT
Plot Length, Unit: 30 FT
Replications: 3 Study Design: Randomized Complete Block

Trial Initiation Comments:

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Form Unit
1.	02-May-2005	Roundup UltraMax	4		SL	22	OZ/A
2.	12-Jul-2005	Envoke	75		WG	0.15	OZ/A
3.	12-Jul-2005	MSMA	6		EC	1	QT/A
4.	12-Jul-2005	Caparol	4		L	1.5	PT/A
5.	13-Jul-2005	Pix Plus	0.35		SL	8	OZ/A
6.	25-Jul-2005	Pix Plus	0.35		SL	10	OZ/A
7.	11-Aug-2005	Baythroid	2		EC	4	OZ/A

Field Prep./Maintenance:

Soil Description

% Sand: 83.0 % OM: 0.9 Texture: LOAMY SAND
% Silt: 14.2 pH: 5.71
% Clay: 2.7

Application Description

A
Application Date: 23-Sep-2005
Time of Day: 1:35 PM
Application Method: SPRAY
Application Timing: 60% OB
Application Placement: BROFOL
Applied By: HORTON, D.
Air Temperature, Unit: 89 F
% Relative Humidity: 54
Wind Velocity, Unit: 3 MPH
Dew Presence (Y/N): N
Soil Temperature, Unit: 75 F
Soil Moisture: ADEQUATE
% Cloud Cover: 0

Application Equipment

A
Appl. Equipment: SPIDER-RIG
Operating Pressure: 25
Pressure Unit: PSI
Nozzle Type: FLAT FAN
Nozzle Size: 8002
Nozzle Spacing, Unit: 18 IN
Boom Length, Unit: 12 FT
Boom Height, Unit: 60 IN
Ground Speed, Unit: 3 MPH
Carrier: WATER
Spray Volume: 15
Volume Unit: GPA
Propellant: COMP. AIR
Tank Mix (Y/N): Y