

Tidewater Ag. Res. & Ext. Ctr.

Defoliation Demo

Trial ID: DEF.DEMO05
Location: Res Farm

Study Dir.:
Investigator: Dr. Joel C. Faircloth

Rating Data Type		DEFOL		DESSC		DEFOL		DESSC	
Rating Unit		%		%		%		%	
Rating Date		09-Sep-2005		09-Sep-2005		12-Sep-2005		12-Sep-2005	
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code					
1	Untreated				13.3 g	0.0 h	0.0 g	0.0 e	
2	Finish 6 Pro	6 EC	1.5 PT/A	Sept. 1 A	68.3 ab	2.3 fgh	63.3 bc	0.7 e	
3	Finish 6 Pro	6 EC	1.3 PT/A	Sept. 1 A	76.7 a	5.0 fgh	70.0 ab	13.3 cde	
3	Def	6 EC	8.0 OZ/A	Sept. 1 A					
4	Finish 6 Pro	6 EC	1.3 PT/A	Sept. 1 A	58.3 bcd	18.3 b-e	40.0 def	26.7 bc	
4	Dropp	4 SC	1.6 OZ/A	Sept. 1 A					
4	Def	6 EC	4.0 OZ/A	Sept. 1 A					
5	Ginstar	1.5 EC	8.0 OZ/A	Sept. 1 A	36.7 f	45.0 a	35.0 ef	46.7 a	
5	Prep	6 EC	1.3 PT/A	Sept. 1 A					
6	Dropp	4 SC	1.6 OZ/A	Sept. 1 A	59.8 bcd	9.5 e-h	43.3 c-f	6.7 e	
6	Prep	6 EC	1.3 PT/A	Sept. 1 A					
6	Def	6 EC	4.0 OZ/A	Sept. 1 A					
7	Def	6 EC	12.0 OZ/A	Sept. 1 A	60.5 bc	10.5 d-h	65.4 b	4.5 e	
7	Prep	6 EC	21.0 OZ/A	Sept. 1 A					
8	Harvade	5 F	8.0 OZ/A	Sept. 1 A	46.7 def	23.3 bc	40.0 def	23.3 bcd	
8	Prep	6 EC	1.3 PT/A	Sept. 1 A					
8	Dropp	4 SC	1.6 OZ/A	Sept. 1 A					
8	AgriDex	L	1.0 PT/A	Sept. 1 A					
9	Aim	2 EC	1.0 OZ/A	Sept. 1 A	41.7 ef	25.0 b	36.7 ef	23.3 bcd	
9	Prep	6 EC	1.3 PT/A	Sept. 1 A					
9	Dropp	4 SC	1.6 OZ/A	Sept. 1 A					
9	Induce	L	0.25 % V/V	Sept. 1 A					
10	Resource	0.86 EC	4.0 OZ/A	Sept. 1 A	33.3 f	38.3 a	26.7 f	33.3 ab	
10	Prep	6 EC	1.3 PT/A	Sept. 1 A					
10	Dropp	4 SC	1.6 OZ/A	Sept. 1 A					
10	AgriDex	L	1.0 PT/A	Sept. 1 A					
11	CottonQuik	2.28 SL	2.0 QT/A	Sept. 1 A	56.7 bcd	11.7 d-g	66.7 b	5.7 e	
11	Def	6 EC	6.0 OZ/A	Sept. 1 A					
12	CottonQuik	2.28 SL	2.0 QT/A	Sept. 1 A	51.7 cde	21.7 bcd	58.3 bcd	10.0 de	
12	Dropp	4 SC	1.6 OZ/A	Sept. 1 A					
13	Harvade	5 F	4.0 OZ/A	Sept. 1 A	53.3 cde	13.3 c-f	50.0 b-e	10.0 de	
13	Prep	6 EC	21.0 OZ/A	Sept. 1 A					
13	AgriDex	L	1.0 PT/A	Sept. 1 A					
14	Finish 6 Pro	6 EC	1.5 PT/A	Sept. 1 A	56.7 bcd	1.7 gh	90.0 a	6.0 e	
14	Aim	2 EC	1.0 OZ/A	Sept. 9 B					
14	Induce	L	0.25 % V/V	Sept. 9 B					
15	Aim	2 EC	1.0 OZ/A	Sept. 1 A	61.7 bc	10.0 e-h	90.0 a	5.0 e	
15	Prep	6 EC	21.0 OZ/A	Sept. 1 A					
15	Induce	L	0.25 % V/V	Sept. 1 A					
15	Aim	2 EC	0.75 OZ/A	Sept. 9 B					
15	Induce	L	0.25 % V/V	Sept. 9 B					
LSD (P=.05)					13.54	11.41	21.23	16.01	
Standard Deviation					8.07	6.79	12.67	9.56	
CV					15.6	43.24	24.52	66.61	
Grand Mean					51.69	15.71	51.69	14.35	

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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Trial ID: DEF.DEMO05
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Study Dir.:
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Crop 1: GOSHI COTTON, SHORT STAPLE
 Planting Date: 09-May-2005

Variety: DP 445 RR/BG

SITE AND DESIGN

Plot Width, Unit: 12 FT Plot Length, Unit: 30 FT Reps: 3
 Study Design: RANDOMIZED COMPLETE BLOCK

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Rate Unit
1.	11-Apr-2005	GlyStar Original	41		SL	1	QT/A
2.	11-May-2005	Prowl H2O	3.8		EC	1.5	PT/A
3.	11-May-2005	Cotoran	4		L	1	QT/A
4.	26-May-2005	MON 3539	4.5		SL	16	OZ/A
5.	26-May-2005	Orthene 97	97		WG	6	OZ/A
6.	08-Jun-2005	MON 3539	4.5		SL	18	OZ/A
7.	24-Jun-2005	Nitrogen 30%			L	30	UNITS/A
8.	24-Jun-2005	Boron			L	1	QT/A
9.	06-Jul-2005	Nitrogen 30%			L	30	UNITS/A
10.	06-Jul-2005	Boron			L	1	QT/A
11.	11-Jul-2005	Caparol	4		L	1.5	PT/A
12.	11-Jul-2005	MSMA	6		EC	1	QT/A
13.	11-Jul-2005	Envoke	75		WG	0.15	OZ/A
14.	11-Jul-2005	Induce			L	1	PT/100 GAL
15.	13-Jul-2005	Pix Plus	0.35		SL	8	OZ/A
16.	11-Aug-2005	Baythroid	2		EC	4	OZ/A

SOIL DESCRIPTION

% Sand: 77.8 % OM: 1.4 Texture: LOAMY SAND
 % Silt: 14.4 pH: 5.95
 % Clay: 7.8

APPLICATION DESCRIPTION

	A	B
Application Date:	01-Sep-2005	09-Sep-2005
Time of Day:	10:15 AM	1:00 PM
Application Method:	SPRAY	SPRAY
Application Timing:	SEPT. 1	SEPT. 9
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	83 F	86 F
% Relative Humidity:	60	50
Wind Velocity, Unit:	2 MPH	7 MPH
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	74 F	74 F
Soil Moisture:	ADEQUATE	INADEQUAT
% Cloud Cover:	0	0

CROP STAGE AT EACH APPLICATION

A B
 Crop 1 Code, Stage: GOSHI GOSHI

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	SPIDERRIG	SPIDERRIG
Operating Pressure:	25	25
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	8002	8002
Nozzle Spacing, Unit:	18 IN	18 IN
Boom Length, Unit:	12 FT	12 FT
Boom Height, Unit:	58 IN	60 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA
Propellant:	COMP. AIR	COMP. AIR
Tank Mix (Y/N):	Y	Y