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**GENERAL COMMENTS:**

1. Valor applications were made 13 d before planting or 1 d after planting.
2. Strip tillage operation and planting occurred at the same time.
3. Irrigation was implemented 3 and 6 d after planting
4. May 27, June 20, and July 10 - Oversprayed with 22 oz. of WMax.
5. Trials was maintained weed free.

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Cotton response to Valor applied preplant followed by Reflex PRE.

Trial ID: C28-08

Study Dir.: Stanley Culpepper

Location: Ponder Farm 5119

Investigator: Stanley Culpepper

Weed Code	INJURY	INJURY	INJURY	Seed Yld	Seed Yld		
Crop Code			GOSHI	GOSHI	GOSHI		
Rating Data Type	control	control	control	yield	yield		
Rating Unit	%	%	%	lb/plot	lb/A		
Rating Date	May-27-08	Jun-01-08	Jun-17-08	Sep-15-08	Sep-15-08		
Trt-Eval Interval	6 DA-B	11 DA-B	27 DA-B	131 DA-A	131 DA-A		
ARM Action Codes					TY1		
# Subsamples, Dec.					1		
Trt No.	Treatment Name	Rate	Rate	Rate	Rate		
		Unit					
			1	2	3		
			4	5			
1	None Strip Tillage		0 e	0 d	0 d	4 a	1272.9 a
2	None No-tillage		0 e	0 d	0 d	4 ab	1161.6 ab
3	Valor Strip Tillage	1 OZ/A	2 e	3 cd	0 d	5 a	1412.3 a
4	Valor No-tillage	1 OZ/A	16 b	12 bcd	0 d	4 ab	1205.2 ab
5	Valor Strip Tillage	2 OZ/A	6 de	10 bcd	7 b	5 a	1383.3 a
6	Valor No-tillage	2 OZ/A	67 a	73 a	53 a	3 bc	914.8 bc
7	Valor Reflex Strip Tillage	1 OZ/A 1 PT/A	10 cd	11 bcd	1 cd	5 a	1306.8 a
8	Valor Reflex No-tillage	1 OZ/A 1 PT/A	17 b	18 b	5 bc	4 a	1263.2 a
9	Valor Reflex Strip Tillage	2 OZ/A 1 PT/A	14 bc	16 bc	0 d	4 a	1253.6 a
10	Valor Reflex No-tillage	2 OZ/A 1 PT/A	65 a	73 a	53 a	3 c	837.3 c
LSD (P=.05)			5.7	12.1	4.1	1.0	284.66
Standard Deviation			3.3	7.1	2.4	0.6	165.94
CV			16.92	32.68	20.12	13.82	13.82
Bartlett's X2			4.803	6.159	3.105	3.004	3.004
P(Bartlett's X2)			0.569	0.521	0.376	0.964	0.964

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

Column 5: TY1 = 290.4\*[4]



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

**SOIL DESCRIPTION**

% Sand: 94      % OM: 1.3      Texture: sandy loam  
 % Silt: 2      pH: 5.8      Soil Name: \_\_\_\_\_  
 % Clay: 4      CEC: \_\_\_\_\_      Fert. Level: \_\_\_\_\_

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

No.	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: Dry (except at planting)

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

**APPLICATION DESCRIPTION**

	A	B
Application Date:	May-07-08	May-21-08
Time of Day:	7:00 pm	7:00 am
Application Method:	broadcast	broadcast
Application Timing:	preplant	PRE
Applic. Placement:	on soil	on soil
Air Temp., Unit:	87 F	74 F
% Relative Humidity:	47	69
Wind Velocity, Unit:	3 mph	2 mph
Dew Presence (Y/N):	N	N
Water Hardness:		
Soil Temp., Unit:	91 F	70 F
Soil Moisture:	fair	moist
% Cloud Cover:	0	100

**CROP STAGE AT EACH APPLICATION**

	A	B
Crop 1 Code, Stage:	GOSHI A	GOSHI B
Stage Scale:	preplant	PRE
Height, Unit:	0 inch	0 inch

**WEED STAGE AT EACH APPLICATION**

	A	B
Weed 1 Code, Stage:	.	.
Stage Scale:	.	.
Density, Unit:	.	.

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## APPLICATION EQUIPMENT

	A	B
<b>Appl. Equipment:</b>	backpack	backpack
<b>Operating Pressure:</b>	24	24
<b>Nozzle Type:</b>	flat fan	flat fan
<b>Nozzle Size:</b>	11002	11002
<b>Nozzle Spacing, Unit:</b>	18 in	18 in
<b>Nozzles/Row:</b>	2	2
<b>Band Width, Unit:</b>		
<b>Boom Length, Unit:</b>	4.5 ft	4.5 ft
<b>Boom Height, Unit:</b>	15 in	15 in
<b>Ground Speed, Unit:</b>	3 mph	3 mph
<b>Incorporation Equip.:</b>		
<b>Hours to Incorp.:</b>		
<b>Incorp. Depth, Unit:</b>		
<b>Carrier:</b>	water	water
<b>Spray Volume, Unit:</b>	15 GPA	15 GPA
<b>Spray pH:</b>		
<b>Propellant:</b>	CO2	CO2
<b>Tank Mix (Y/N):</b>	y	y

Trt No	Treatment Application Comment