



# University of Georgia

Seeded cultivar response to Dacthal when planted at two depths.

Trial ID: Onion4-08

Study Dir.: Jona Edwards

Location: Vidalia Onion Farm

Investigator: Stanley Culpepper

Weed Code	century injury	century injury	century injury	miss meg injury	miss meg injury	miss meg injury	sug bell injury	
Crop Code								
Rating Data Type								
Rating Date	Dec-07-07	Dec-20-07	Feb-05-08	Dec-07-07	Dec-20-07	Feb-05-08	Dec-07-07	
Trt-Eval Interval	32 DA-A	45 DA-A	92 DA-A	32 DA-A	45 DA-A	92 DA-A	32 DA-A	
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate	
		Unit	Unit	Unit	Unit	Unit	Unit	
		1	2	3	4	5	6	
		7						
1	1/4 inch planting depth No Dacthal	0 c	0 b	0 a	0 b	0 b	0 a	0 c
2	1/4 inch planting depth Dacthal PRE 6 PT/A	5 b	5 a	0 a	7 ab	5 b	0 a	5 b
3	1/4 inch planting depth Dacthal PRE 12 PT/A	5 b	5 a	0 a	5 ab	5 b	0 a	5 b
4	3/4 inch planting depth No Dacthal	0 c	0 b	0 a	0 b	0 b	0 a	0 c
5	3/4 inch planting depth Dacthal PRE 6 PT/A	5 b	5 a	0 a	12 ab	5 b	0 a	7 b
6	3/4 inch planting depth Dacthal PRE 12 PT/A	8 a	8 a	0 a	18 a	17 a	0 a	12 a
LSD (P=.05)		2.1	4.3	0.0	14.7	9.3	0.0	2.7
Standard Deviation		1.2	2.4	0.0	8.1	5.1	0.0	1.5
CV		30.3	60.61	0.0	116.59	97.33	0.0	31.57
Bartlett's X2		0.0	0.0	0.0	5.903	0.0	0.0	0.0
P(Bartlett's X2)		.	.	.	0.052	.	.	1.00

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

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Weed Code	sug bell injury	sug bell injury	swe deal injury	swe deal injury	swe deal injury	LAMAM control	LAMAM control
Crop Code							
Rating Data Type							
Rating Date	Dec-20-07	Feb-05-08	Dec-07-07	Dec-20-07	Feb-05-08	Dec-20-07	Feb-05-08
Trt-Eval Interval	45 DA-A	92 DA-A	32 DA-A	45 DA-A	92 DA-A	45 DA-A	92 DA-A
Trt No.	Treatment Name	Rate	Rate	Rate	Rate	Rate	Rate
		Unit	Unit	Unit	Unit	Unit	Unit
		8	9	10	11	12	13
1	1/4 inch planting depth No Dacthal	0 b	0 a	0 c	0 b	0 a	0 b
2	1/4 inch planting depth Dacthal PRE 6 PT/A	5 a	0 a	8 b	10 b	0 a	99 a
3	1/4 inch planting depth Dacthal PRE 12 PT/A	5 a	0 a	7 bc	5 b	0 a	99 a
4	3/4 inch planting depth No Dacthal	0 b	0 a	0 c	0 b	0 a	0 b
5	3/4 inch planting depth Dacthal PRE 6 PT/A	5 a	0 a	13 b	15 ab	0 a	99 a
6	3/4 inch planting depth Dacthal PRE 12 PT/A	5 a	0 a	25 a	32 a	0 a	99 a
LSD (P=.05)		0.0	0.0	7.4	20.2	0.0	0.0
Standard Deviation		0.0	0.0	4.0	11.1	0.0	0.0
CV		0.0	0.0	45.54	107.93	0.0	0.0
Bartlett's X2		0.0	0.0	0.948	2.668	0.0	0.0
P(Bartlett's X2)		.	.	0.814	0.263	.	.

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



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

**SOIL DESCRIPTION**

% Sand: 86      % OM: 5.8      Texture: loamy sand  
 % Silt: 10      pH: 0.47      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: \_\_\_\_\_

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

**APPLICATION DESCRIPTION**

	A
Application Date:	Nov-05-07
Time of Day:	10:15 am
Application Method:	broadcast
Application Timing:	pre-app
Applic. Placement:	on soil
Air Temp., Unit:	65 f
% Relative Humidity:	52
Wind Velocity, Unit:	3 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	60 f
Soil Moisture:	dry
% Cloud Cover:	0

**CROP STAGE AT EACH APPLICATION**

	A
Crop 1 Code, Stage:	ALLCE PRE
Stage Scale:	not emerg
Height, Unit:	0 in

**WEED STAGE AT EACH APPLICATION**

	A
Weed 1 Code, Stage:	LAMAM PRE
Stage Scale:	not emerg
Density, Unit:	8 ydsq

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## APPLICATION EQUIPMENT

	A
Appl. Equipment:	backpack
Operating Pressure:	24
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 in
Nozzles/Row:	2
Band Width, Unit:	
Boom Length, Unit:	4.5 ft
Boom Height, Unit:	15 in
Ground Speed, Unit:	3 mph
Incorporation Equip.:	
Hours to Incorp.:	
Incorp. Depth, Unit:	
Carrier:	water
Spray Volume, Unit:	14.8 GPA
Spray pH:	
Propellant:	CO2
Tank Mix (Y/N):	Y

Trt No	Treatment Application Comment