

University of Georgia

Transplant leek tolerance to Goal 2 XL POST.

Trial ID: Veg6-07(leek) Study Dir.: Stanley Culpepper
Location: Lewis Taylor Farms Investigator: Stanley Culpepper

Reps: 3 Plots: 6 by 30 feet
Spray vol: 14.8 gal/ac Mix size: 1 liters (min .69451)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Grow Unit	Stg	Appl Code	Amt to Measure	Product	Plot No. 1	Plot No. 2	Plot No. 3
1	No herbicide										101	202	303
2	Goal 2 XL	2	L		1 PT/A	10 DA	Atra	A	8.445 ml/mx		102	203	301
3	Goal 2 XL	2	L		2 PT/A	10 DA	Atra	A	16.89 ml/mx		103	201	302

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
31.669	ml	Goal 2 XL	2	L	

* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).
* Product amount calculations increased 25 % for overage adjustment.

Trial Comments

OBJECTIVE: Determine leek response to Goal applied topically.

Onion Response:

- Both rates of Goal caused significant foliar injury with at least 25% injury at 13 DAT.
- Treatments were made 10 d after transplanting which may have enhanced injury.

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Crop Code		Leek	Leek
Rating Data Type		injury	injury
Rating Unit		%	%
Rating Date		Nov-07-07	Nov-21-07
Trt-Eval Interval		13 DA-A	27 DA-A
Trt Treatment	Rate		
No. Name	Rate Unit	1	2
1 No herbicide		0 c	0 c
2 Goal 2 XL	1 PT/A	25 b	13 b
3 Goal 2 XL	2 PT/A	42 a	23 a
LSD (P=.05)		6.0	6.0
Standard Deviation		2.6	2.6
CV		11.86	21.56
Bartlett's X2		0.531	0.0
P(Bartlett's X2)		0.466	1.00

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

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GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: Univ. of Georgia
Postal Code: 31794

Investigator: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: Univ. of Georgia
Postal Code: 31794

TRIAL LOCATION

City: TyTy **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** good
Postal Code: 31795 **Initiation Date:** Oct-15-07
Country: USA **Planned Completion Date:** _____
E-Longitude of LL Corner °: _____ **N-Latitude of LL Corner °:** _____
Altitude of LL Corner: _____ **Unit:** _____ **Angle y-axis to North °:** _____
Directions:

COOPERATOR/LANDOWNER

Cooperator: _____ **Country:** _____
Org: _____ **Phone No:** _____
Address 1: _____ **Fax No:** _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Guidelines: _____ **Guideline Description:** _____

Objective:

Conclusions:

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.			

Crop 1: Leek _____ **Variety:** unknown
Planting Date: Oct-15-07 **Planting Method:** transplant
Rate: 1 4 in **Depth:** 1 in **Perennial Age:** _____
Row Spacing: 15 inch **Spacing Within Row:** 4 inch **Seed Bed:** flat
Soil Temperature: 90 F **Soil Moisture:** moist **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 30 FT **Reps:** 3
Site Type: Lewis Taylor Farms
Tillage Type: Conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

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

SOIL DESCRIPTION

% Sand: _____ % OM: _____ Texture: _____
 % Silt: _____ pH: _____ Soil Name: _____
 % Clay: _____ 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:	Oct-25-07
Time of Day:	backpack
Application Method:	broadcast
Application Timing:	POST
Applic. Placement:	overtop
Air Temp., Unit:	89 F
% Relative Humidity:	42
Wind Velocity, Unit:	2 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	90 F
Soil Moisture:	moist
% Cloud Cover:	10

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	Leek POST
Stage Scale:	10 DATran
Height, Unit:	4 inch

WEED STAGE AT EACH APPLICATION

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

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APPLICATION EQUIPMENT

	A
Appl. Equipment:	backpack
Operating Pressure:	23
Nozzle Type:	flat fan
Nozzle Size:	11002
Nozzle Spacing, Unit:	18 in
Nozzles/Row:	1
Band Width, Unit:	
Boom Length, Unit:	4.5 feet
Boom Height, Unit:	15 inch
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