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Transplant onion and weed response to Dual Mag., Outlook, and Prowl H20.

Trial ID: Onion5-06 Study Dir.: Stanley Culpepper
Location: VORF Investigator: Stanley Culpepper

Reps: 4 Plots: 6 by 25 feet
Spray vol: 14.8 gal/ac Mix size: 1 liters (min .77168)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep 1	2	3	4
1	Dual Mag	7.62	L	8	OZ/A	2DATran	A	4.223 ml/mx	101	209	307	403
	None											
2	Dual Mag	7.62	L	8	OZ/A	2DATran	A	4.223 ml/mx	102	205	308	404
	GoalTender	4	F	1	PT/A	2DATran	A	8.445 ml/mx				
3	Dual Mag	7.62	L	16	OZ/A	2DATran	A	8.446 ml/mx	103	202	303	412
	None											
4	Dual Mag	7.62	L	16	OZ/A	2DATran	A	8.446 ml/mx	104	203	312	402
	GoalTender	4	F	1	PT/A	2DATran	A	8.445 ml/mx				
5	Outlook	6	L	8	OZ/A	2DATran	A	4.223 ml/mx	105	204	310	407
	None											
6	Outlook	6	L	8	OZ/A	2DATran	A	4.223 ml/mx	106	212	306	411
	GoalTender	4	F	1	PT/A	2DATran	A	8.445 ml/mx				
7	Outlook	6	L	16	OZ/A	2DATran	A	8.446 ml/mx	107	211	309	410
	None											
8	Outlook	6	L	16	OZ/A	2DATran	A	8.446 ml/mx	108	201	311	401
	GoalTender	4	F	1	PT/A	2DATran	A	8.445 ml/mx				
9	Prowl H20	3.8	L	2	PT/A	2DATran	A	16.89 ml/mx	109	208	302	408
	None											
10	Prowl H20	3.8	L	2	PT/A	2DATran	A	16.89 ml/mx	110	207	301	405
	GoalTender	4	F	1	PT/A	2DATran	A	8.445 ml/mx				
11	None								111	210	304	409
	None											
12	None								112	206	305	406
	GoalTender	4	F	1	PT/A	2DATran	A	8.445 ml/mx				

Sort Order: Treatment

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
31.672	ml	Dual Mag	7.62	L	
63.338	ml	GoalTender	4	F	
31.672	ml	Outlook	6	L	
42.225	ml	Prowl H20	3.8	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

Evaluate Transplant Onion Response to Dual Magnum, Outlook, Prowl H20, and Goal Tender.

Visual Onion Response:
1. No herbicide treatment injured onions throughout the season.

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Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4
Crop Code				onion	onion	onion	onion
Rating Data Type				injury	injury	injury	injury
Rating Unit				percent	percent	percent	percent
Rating Date				Dec-20-05	Jan-08-06	Jan-26-06	Apr-06-06
Assessed By				AM	AM	AM	SC
Trt-Eval Interval				10 DA-A	29 DA-A	47 DA-A	117 DA-A
1	Dual Mag None	8	OZ/A	0 a	0 a	0 a	0 a
2	Dual Mag GoalTender	8 1	OZ/A PT/A	0 a	0 a	0 a	0 a
3	Dual Mag None	16	OZ/A	0 a	0 a	0 a	0 a
4	Dual Mag GoalTender	16 1	OZ/A PT/A	0 a	0 a	0 a	0 a
5	Outlook None	8	OZ/A	0 a	0 a	0 a	0 a
6	Outlook GoalTender	8 1	OZ/A PT/A	0 a	0 a	0 a	0 a
7	Outlook None	16	OZ/A	0 a	0 a	0 a	0 a
8	Outlook GoalTender	16 1	OZ/A PT/A	0 a	0 a	0 a	0 a
9	Prowl H20 None	2	PT/A	0 a	0 a	0 a	0 a
10	Prowl H20 GoalTender	2 1	PT/A PT/A	0 a	0 a	0 a	0 a
11	None None			0 a	0 a	0 a	0 a
12	None GoalTender	 1	 PT/A	0 a	0 a	0 a	0 a
LSD (P=.05)				0.0	0.0	0.0	0.0
Standard Deviation				0.0	0.0	0.0	0.0
CV				0.0	0.0	0.0	0.0
Bartlett's X2				0.0	0.0	0.0	0.0
P(Bartlett's X2)				.	.	.	.

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

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Trial ID: Onion5-06 Study Dir.: Stanley Culpepper
Location: VORF Investigator: Stanley Culpepper

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: Vidalia **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** good
Postal Code: _____ **Initiation Date:** Dec-08-05
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: ALLCE ONION **Variety:** Century
Planting Date: Dec-08-05 **Planting Method:** transplant
Rate: 1 4.5 inch **Depth:** 1 in **Perennial Age:** ____ _____
Row Spacing: 15 inch **Spacing Within Row:** 4.5 inch **Seed Bed:** flat
Soil Temperature: 60 F **Soil Moisture:** fair/irrigat **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: Vidalia Research Farm
Tillage Type: Conventional **Study Design:** FACTORIAL

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: 86 **% OM:** 0.47 **Texture:** loamy sand
% Silt: 10 **pH:** 5.9 **Soil Name:** _____
% Clay: 4 **CEC:** _____ **Fert. Level:** _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: irrigated often
Closest Weather Station: _____ **Distance:** _____ **Unit:** __

APPLICATION DESCRIPTION

	A
Application Date:	Dec-10-05
Time of Day:	9 am
Application Method:	broadcast
Application Timing:	2DATRAN
Applic. Placement:	overtop
Air Temp., Unit:	50 F
% Relative Humidity:	64
Wind Velocity, Unit:	0 mph
Dew Presence (Y/N):	n
Water Hardness:	
Soil Temp., Unit:	54 F
Soil Moisture:	wet
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	ALLCE .
Stage Scale:	transplan
Height, Unit:	3.5 in

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:	24
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):	N

Trt No	Treatment Application Comment