

University of Georgia

WEED CONTROL IN CLEARFIELD CANOLA

Trial ID: CAN-01-14 Study Dir.: JUSTIN BALLEW
Location: ATTAPULGUS Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
Spray vol: 15 GAL/AC Mix Size: 1.5 liters (calculated mix size .78211)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	NO PRE NO POST							101	208	301	404
2	NO PRE BEYOND NIS AMS XTRA	1 AS 3.4 SL		4.0 oz/a 0.25 % v/v 2.5 % v/v	POST B POST B POST B		3.125 ml/mx 3.75 ml/mx 37.5 ml/mx	102	207	304	409
3	SONALAN NO POST	3 EC		24.0 oz/a	PRE A		18.75 ml/mx	103	205	311	403
4	SONALAN BEYOND NIS AMS XTRA	3 EC 1 AS 3.4 SL		24.0 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		18.75 ml/mx 3.125 ml/mx 3.75 ml/mx 37.5 ml/mx	104	211	310	405
5	TREFLAN NO POST	4 EC		16.0 oz/a	PRE A		12.5 ml/mx	105	210	305	407
6	TREFLAN BEYOND NIS AMS XTRA	4 EC 1 AS 3.4 SL		16.0 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		12.5 ml/mx 3.125 ml/mx 3.75 ml/mx 37.5 ml/mx	106	203	309	408
7	DUAL MAGNUM NO POST	7.62 EC		3.5 oz/a	PRE A		2.734 ml/mx	107	206	308	412
8	DUAL MAGNUM BEYOND NIS AMS XTRA	7.62 EC 1 AS 3.4 SL		3.5 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		2.734 ml/mx 3.125 ml/mx 3.75 ml/mx 37.5 ml/mx	108	202	312	406
9	COMMAND NO POST	3 ME		3.5 oz/a	PRE A		2.734 ml/mx	109	212	302	411
10	COMMAND BEYOND NIS AMS XTRA	3 ME 1 AS 3.4 SL		3.5 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		2.734 ml/mx 3.125 ml/mx 3.75 ml/mx 37.5 ml/mx	110	209	303	401
11	DUAL MAGNUM COMMAND NO POST	7.62 EC 3 ME		3.5 oz/a 3.5 oz/a	PRE A PRE A		2.734 ml/mx 2.734 ml/mx	111	204	306	410
12	DUAL MAGNUM COMMAND BEYOND NIS AMS XTRA	7.62 EC 3 ME 1 AS 3.4 SL		3.5 oz/a 3.5 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A PRE A POST B POST B POST B		2.734 ml/mx 2.734 ml/mx 3.125 ml/mx 3.75 ml/mx 37.5 ml/mx	112	201	307	402

Sort Order: Treatment

Trial Comments

125,501 SEEDS/LB

9.6 SEED/FT = 139,392 SEED/A OR 1.1 LBS/A

PROSPER EVERGOL SEED TRT

22.3% CLOTHIANIDIN

0.82% PENFLUFEN

0.55% TRIFLOXYSTROBIN

0.55% METALAXYL

400 LB/A 10-10-10 - PREPLANT

40 LB/A NITROGEN - DECEMBER 1

NIS = ADEPT

WEED COVER ON MARCH 5, 2015 : NON-UNIFORM MIXTURE OF HENBIT, RYEGRASS, CHICKWEED, CAROLINA GERANIUM,

University of Georgia

VETCH, CUDWEED

YIELDS ADJUSTED TO 10% MOISTURE
CANOLA = 50 LB BUSHEL

SUMMARY:

- 1) AT 10 DAT (OCTOBER 27), CANOLA PLANT STANDS WERE NOT REDUCED BY ANY PRE TREATMENT.
- 2) AT 35 DAT (NOVEMBER 21), SONALAN AND DUAL + COMMAND CAUSED SIGNIFICANT CANOLA STUNTING (16% AND 8%, RESPECTIVELY). COMMAND CAUSED SOME SLIGHT PLANT CHLOROSIS.
- 3) AT THAT SAME TIME, HENBIT CONTROL WAS >93% WITH ALL TREATMENTS EXCEPT DUAL MAGNUM (87%).
- 4) BEYOND DID NOT PROVIDED ACCEPTABLE CONTROL OF HENBIT AT 15 DAT (30%).
- 5) CANOLA YIELDS WERE NOT INFLUENCED BY ANY HERBICIDE TREATMENT. CANOLA YIELD WERE LOWER THAN DESIRED DUE TO THE PRESENCE OF WHITE MOLD (NO FUNGICIDE WAS APPLIED), A MISSED APPLICATION OF SPRING NITROGEN, AND SHATTERING.

University of Georgia

WEED CONTROL IN CLEARFIELD CANOLA

Trial ID: CAN-01-14 Study Dir.: JUSTIN BALLEW
Location: ATTAPULGUS Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JUSTIN BALLEW **Title:** _____ **Postal Code:** _____
Affiliation: _____
Investigator: Eric P. Prostko **Title:** _____ **Postal Code:** _____
Affiliation: _____
Trial Status: _____ **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Objective: _____
Conclusions: _____

CROP AND PEST DESCRIPTION

Weed 1. LAMAM HENBIT **2.** _____
Crop 1: BRSNS **SPRINGCANOLA** **Variety:** RUBISCO 5525CL **Planting Date:** Oct-17-14
Planting Method: MONOSEM **Rate:** 9.6 SEED/FT **Depth:** 0.5 IN
Perennial Age: _____ **Row Spacing:** 36 IN **Seed Bed:** CLODDY
Soil Temperature: _____ **Soil Moisture:** SLIGHTLY WET **Emergence Date:** _____

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____ **Study Design:** FACTOR
Tillage Type: CONVENTIONAL
Trial Initiation Comments: PROSPER EVERGOL SEED TRT

Previous: Crops **Pesticides** **Year**
1. 2014 FALLOW _____

MAINTENANCE

Field Prep./Maintenance: _____
No. **Date** **Treatment Name** **Form** **Form** **Form** **Rate**
1. _____ **Conc** **Unit** **Type** **Rate** **Unit**

SOIL DESCRIPTION

Texture: LOAMY SAND **% OM:** 1.06 **% Sand:** 84 **% Silt:** 8 **% Clay:** 8
pH: 6.9 **CEC:** _____ **Soil Name:** ORANGEBURG **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date **Time** **Amount** **Unit** **Type** **Interval** **Unit**
1. Oct-17-14 _____ 0.4 IN SPRINKLER - CENTER PIVOT _____
2. Oct-20-14 _____ 0.4 IN SPRINKLER - CENTER PIVOT _____
3. Oct-23-14 _____ 0.4 in SPRINKLER - CENTER PIVOT _____
4. Oct-24-14 _____ 0.4 IN SPRINKLER - CENTER PIVOT _____

Overall Moisture Conditions: _____ **Distance:** _____ **Unit:** _____
Closest Weather Station: _____

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	Oct-17-14	Nov-21-14				
Time of Day:	10:30 AM	8:30 AM				
Application Method:	BROADCAST	BROADCAST				
Application Timing:	PRE	POST				
Applic. Placement:	SOIL	FOLIAGE				
Air Temp., Unit:	77 F	56 F				
% Relative Humidity:	47	63				
Wind Velocity, Unit:	0 MPH	0 MPH				
Dew Presence (Y/N):	N	N				
Water Hardness:	--	--				
Soil Temp., Unit:	63 F	47 F				
Soil Moisture:	WET-OPT	DRY				
% Cloud Cover:	0	0				

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1	Stage: BRSNS	6" WIDE				
Stage Scale:		2.5				
Height, Unit:		4 IN				

University of Georgia

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: LAMAM	_____	1-3"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	12 FT2	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK SAME	_____	_____	_____	_____	_____	_____
Operating Pressure:	40	_____	_____	_____	_____	_____	_____
Nozzle Type:	AIXR	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	_____	_____	_____	_____	_____
Boom Height, Unit:	20	IN	_____	_____	_____	_____	_____
Ground Speed, Unit:	3.5	MPH	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	15	GPA	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

University of Georgia

WEED CONTROL IN CLEARFIELD CANOLA										
Trial ID: CAN-01-14		Study Dir.: JUSTIN BALLEW								
Location: ATTAPULGUS		Investigator: Eric P. Prostko								
Weed Code										
Crop Code										
Part Rated										
Rating Data Type										
Rating Unit										
Rating Date										
PRM Data Type										
# Subsamples, Dec.										
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate	Unit	Stg	Code				
							1	2	3	4
							5	6	7	
TABLE OF R MEANS										
Replicate 1										
Replicate 2										
Replicate 3										
Replicate 4										
TABLE OF A (PRE) MEANS										
1 NO PRE										
2 SONALAN 3 EC 24.0 oz/a PRE A										
3 TREFLAN 4 EC 16.0 oz/a PRE A										
4 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A										
5 COMMAND 3 ME 3.5 oz/a PRE A										
6 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A										
6 COMMAND 3 ME 3.5 oz/a PRE A										
LSD P=.10										
Standard Deviation										
CV										
TABLE OF B (POST) MEANS										
1 NO POST										
2 BEYOND 1 AS 4.0 oz/a POST B										
2 NIS 0.25 % v/v POST B										
2 AMS XTRA 3.4 SL 2.5 % v/v POST B										
LSD P=.10										
Standard Deviation										
CV										
TABLE OF A (PRE) B (POST) MEANS										
1 NO PRE										
1 NO POST										
2 SONALAN 3 EC 24.0 oz/a PRE A										
1 NO POST										
3 TREFLAN 4 EC 16.0 oz/a PRE A										
1 NO POST										
4 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A										
1 NO POST										
5 COMMAND 3 ME 3.5 oz/a PRE A										
1 NO POST										
6 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A										
6 COMMAND 3 ME 3.5 oz/a PRE A										
1 NO POST										
1 NO PRE										
2 BEYOND 1 AS 4.0 oz/a POST B										
2 NIS 0.25 % v/v POST B										
2 AMS XTRA 3.4 SL 2.5 % v/v POST B										
2 SONALAN 3 EC 24.0 oz/a PRE A										
2 BEYOND 1 AS 4.0 oz/a POST B										
2 NIS 0.25 % v/v POST B										
2 AMS XTRA 3.4 SL 2.5 % v/v POST B										
3 TREFLAN 4 EC 16.0 oz/a PRE A										
2 BEYOND 1 AS 4.0 oz/a POST B										
2 NIS 0.25 % v/v POST B										
2 AMS XTRA 3.4 SL 2.5 % v/v POST B										

Means followed by same letter do not significantly differ (P=.10, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- BRSNS PLANT - STUNTING PERCENT Oct-27-14	----- BRSNS PLANT - CHLOROSI PERCENT Oct-27-14	----- BRSNS PLANT - STAND #/3 FT Oct-27-14	LAMAM ----- CONTROL PERCENT Oct-27-14	----- BRSNS PLANT - STUNTING PERCENT Nov-7-14	----- BRSNS PLANT - CHLOROSI PERCENT Nov-7-14	LAMAM ----- CONTROL PERCENT Nov-7-14
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	1	2	3	4	5	6	7
4	DUAL MAGNUM	7.62	EC	3.5 oz/a	PRE	A	7.5 a	0.0 a	25.8 a	96.8 a	3.8 a	0.0 e	98.0 a
2	BEYOND	1	AS	4.0 oz/a	POST	B							
2	NIS			0.25 % v/v	POST	B							
2	AMS XTRA	3.4	SL	2.5 % v/v	POST	B							
5	COMMAND	3	ME	3.5 oz/a	PRE	A	5.0 a	0.0 a	28.8 a	82.0 a	2.5 a	16.3 b	88.3 a
2	BEYOND	1	AS	4.0 oz/a	POST	B							
2	NIS			0.25 % v/v	POST	B							
2	AMS XTRA	3.4	SL	2.5 % v/v	POST	B							
6	DUAL MAGNUM	7.62	EC	3.5 oz/a	PRE	A	5.0 a	0.0 a	25.3 a	98.0 a	5.0 a	21.3 a	99.0 a
6	COMMAND	3	ME	3.5 oz/a	PRE	A							
2	BEYOND	1	AS	4.0 oz/a	POST	B							
2	NIS			0.25 % v/v	POST	B							
2	AMS XTRA	3.4	SL	2.5 % v/v	POST	B							
LSD P=.10							4.31	.	5.16	6.18	7.29	2.05	2.03
Standard Deviation							3.48	0.00	4.16	4.99	5.88	1.66	1.64
CV							87.82	0.00	15.82	6.25	104.55	33.83	2.04

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- BRSNS PLANT - STUNTING PERCENT Nov-21-14	----- BRSNS PLANT - CHLOROSI PERCENT Nov-21-14	LAMAM ----- CONTROL PERCENT Nov-21-14	----- BRSNS PLANT - STUNTING PERCENT Dec-5-14	----- BRSNS PLANT - CHLOROSI PERCENT Dec-5-14	LAMAM ----- CONTROL PERCENT Dec-5-14	WEED COVER PERCENT Mar-5-15
Trt	Treatment	Form	Form	Rate	Grow	Appl	8	9	10	11	12	13	14
No.	Name	Conc	Type	Rate	Unit	Stg							
TABLE OF R MEANS													
Replicate 1							4.6	1.7	73.9	2.5	0.0	75.9	15.8
Replicate 2							5.4	0.8	78.6	1.7	0.0	82.1	10.4
Replicate 3							5.8	1.3	81.8	2.9	0.0	82.3	6.3
Replicate 4							6.7	2.5	82.5	2.5	0.0	81.4	6.3
TABLE OF A (PRE) MEANS													
1 NO PRE							0.0 c	0.0 b	0.0 c	0.0 c	0.0 a	15.0 c	35.0 a
2 SONALAN 3 EC 24.0 oz/a PRE A							16.3 a	0.0 b	98.5 a	8.1 a	0.0 a	97.4 a	3.1 c
3 TREFLAN 4 EC 16.0 oz/a PRE A							5.0 bc	0.0 b	97.4 a	1.9 bc	0.0 a	96.9 a	4.4 bc
4 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A							3.1 bc	0.0 b	87.1 b	1.3 bc	0.0 a	81.0 b	5.0 bc
5 COMMAND 3 ME 3.5 oz/a PRE A							1.9 c	5.0 a	93.1 ab	0.0 c	0.0 a	93.3 a	7.5 b
6 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A							7.5 b	4.4 a	99.0 a	3.1 b	0.0 a	99.0 a	3.1 c
6 COMMAND 3 ME 3.5 oz/a PRE A													
LSD P=.10							5.08	1.45	6.19	2.33	.	8.78	3.82
Standard Deviation							5.80	1.66	7.07	2.65	0.00	10.02	4.36
CV							103.07	106.00	8.92	110.81	0.00	12.46	44.99
TABLE OF B (POST) MEANS													
1 NO POST							6.3 a	1.3 a	78.8 a	2.3 a	0.0 a	75.2 b	11.3 a
2 BEYOND 1 AS 4.0 oz/a POST B							5.0 a	1.9 a	79.6 a	2.5 a	0.0 a	85.6 a	8.1 a
2 NIS 0.25 % v/v POST B													
2 AMS XTRA 3.4 SL 2.5 % v/v POST B													
LSD P=.10							6.12	1.47	0.97	3.24	.	9.24	4.34
Standard Deviation							9.01	2.17	1.42	4.77	0.00	13.60	6.39
CV							160.25	138.56	1.80	199.05	0.00	16.91	65.93
TABLE OF A (PRE) B (POST) MEANS													
1 NO PRE							0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 d	37.5 a
1 NO POST													
2 SONALAN 3 EC 24.0 oz/a PRE A							21.3 a	0.0 a	98.0 a	8.8 a	0.0 a	95.8 a	3.8 a
1 NO POST													
3 TREFLAN 4 EC 16.0 oz/a PRE A							6.3 a	0.0 a	98.0 a	1.3 a	0.0 a	94.8 a	5.0 a
1 NO POST													
4 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A							3.8 a	0.0 a	83.5 a	1.3 a	0.0 a	71.0 b	7.5 a
1 NO POST													
5 COMMAND 3 ME 3.5 oz/a PRE A							1.3 a	3.8 a	94.3 a	0.0 a	0.0 a	90.8 a	10.0 a
1 NO POST													
6 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A							5.0 a	3.8 a	99.0 a	2.5 a	0.0 a	99.0 a	3.8 a
6 COMMAND 3 ME 3.5 oz/a PRE A													
1 NO POST													
1 NO PRE							0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	30.0 c	32.5 a
2 BEYOND 1 AS 4.0 oz/a POST B													
2 NIS 0.25 % v/v POST B													
2 AMS XTRA 3.4 SL 2.5 % v/v POST B													
2 SONALAN 3 EC 24.0 oz/a PRE A							11.3 a	0.0 a	99.0 a	7.5 a	0.0 a	99.0 a	2.5 a
2 BEYOND 1 AS 4.0 oz/a POST B													
2 NIS 0.25 % v/v POST B													
2 AMS XTRA 3.4 SL 2.5 % v/v POST B													
3 TREFLAN 4 EC 16.0 oz/a PRE A							3.8 a	0.0 a	96.8 a	2.5 a	0.0 a	99.0 a	3.8 a
2 BEYOND 1 AS 4.0 oz/a POST B													
2 NIS 0.25 % v/v POST B													
2 AMS XTRA 3.4 SL 2.5 % v/v POST B													

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- BRSNS PLANT - STUNTING PERCENT Nov-21-14	----- BRSNS PLANT - CHLOROSI PERCENT Nov-21-14	----- LAMAM ----- CONTROL PERCENT Nov-21-14	----- BRSNS PLANT - STUNTING PERCENT Dec-5-14	----- BRSNS PLANT - CHLOROSI PERCENT Dec-5-14	----- LAMAM ----- CONTROL PERCENT Dec-5-14	WEED COVER PERCENT Mar-5-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	8	9	10	11	12	13	14
4	DUAL MAGNUM	7.62	EC	3.5 oz/a	PRE	A	2.5 a	0.0 a	90.8 a	1.3 a	0.0 a	91.0 a	2.5 a
2	BEYOND	1	AS	4.0 oz/a	POST	B							
2	NIS			0.25 % v/v	POST	B							
2	AMS XTRA	3.4	SL	2.5 % v/v	POST	B							
5	COMMAND	3	ME	3.5 oz/a	PRE	A	2.5 a	6.3 a	92.0 a	0.0 a	0.0 a	95.8 a	5.0 a
2	BEYOND	1	AS	4.0 oz/a	POST	B							
2	NIS			0.25 % v/v	POST	B							
2	AMS XTRA	3.4	SL	2.5 % v/v	POST	B							
6	DUAL MAGNUM	7.62	EC	3.5 oz/a	PRE	A	10.0 a	5.0 a	99.0 a	3.8 a	0.0 a	99.0 a	2.5 a
6	COMMAND	3	ME	3.5 oz/a	PRE	A							
2	BEYOND	1	AS	4.0 oz/a	POST	B							
2	NIS			0.25 % v/v	POST	B							
2	AMS XTRA	3.4	SL	2.5 % v/v	POST	B							
LSD P=.10							10.06	1.83	4.17	5.86	.	12.43	5.60
Standard Deviation							8.11	1.48	3.37	4.73	0.00	10.03	4.51
CV							144.24	94.66	4.25	197.22	0.00	12.47	46.60

University of Georgia

Weed Code							----- BRSNS PLOT - YIELD LBS Jun-2-15 - 2	----- BRSNA PLOT - MOISTURE PERCENT Jun-2-15 - 2	----- BRSNS PLOT - YIELD BU/A Jun-2-15 TY1 - 0
Crop Code									
Part Rated									
Rating Data Type									
Rating Unit									
Rating Date									
PRM Data Type									
# Subsamples, Dec.									
Trt Treatment	Form	Form	Rate	Grow	Appl		15	16	17
No. Name	Conc	Type	Rate	Unit	Stg	Code			
TABLE OF R MEANS									
Replicate 1							3.91	19.76	20
Replicate 2							3.67	19.44	19
Replicate 3							3.94	19.59	20
Replicate 4							3.79	19.60	20
TABLE OF A (PRE) MEANS									
1 NO PRE							3.99 a	19.98 a	21 a
2 SONALAN	3 EC	24.0 oz/a	PRE	A			3.56 a	19.44 a	19 a
3 TREFLAN	4 EC	16.0 oz/a	PRE	A			3.94 a	19.55 a	20 a
4 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A			3.95 a	19.76 a	20 a
5 COMMAND	3 ME	3.5 oz/a	PRE	A			3.75 a	19.49 a	19 a
6 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A			3.78 a	19.38 a	20 a
6 COMMAND	3 ME	3.5 oz/a	PRE	A					
LSD P=.10							0.551	1.088	3.0
Standard Deviation							0.629	1.242	3.4
CV							16.440	6.336	17.2
TABLE OF B (POST) MEANS									
1 NO POST							3.78 a	19.82 a	20 a
2 BEYOND	1 AS	4.0 oz/a	POST B				3.87 a	19.38 b	20 a
2 NIS		0.25 % v/v	POST B						
2 AMS XTRA	3.4 SL	2.5 % v/v	POST B						
LSD P=.10							0.481	0.442	2.6
Standard Deviation							0.709	0.650	3.8
CV							18.518	3.317	19.1
TABLE OF A (PRE) B (POST) MEANS									
1 NO PRE							3.86 a	20.19 a	20 a
1 NO POST									
2 SONALAN	3 EC	24.0 oz/a	PRE	A			3.35 a	19.94 a	17 a
1 NO POST									
3 TREFLAN	4 EC	16.0 oz/a	PRE	A			4.04 a	19.91 a	21 a
1 NO POST									
4 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A			4.15 a	19.32 a	22 a
1 NO POST									
5 COMMAND	3 ME	3.5 oz/a	PRE	A			3.70 a	19.62 a	19 a
1 NO POST									
6 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A			3.60 a	19.94 a	19 a
6 COMMAND	3 ME	3.5 oz/a	PRE	A					
1 NO POST									
1 NO PRE							4.11 a	19.76 a	21 a
2 BEYOND	1 AS	4.0 oz/a	POST B						
2 NIS		0.25 % v/v	POST B						
2 AMS XTRA	3.4 SL	2.5 % v/v	POST B						
2 SONALAN	3 EC	24.0 oz/a	PRE	A			3.77 a	18.94 a	20 a
2 BEYOND	1 AS	4.0 oz/a	POST B						
2 NIS		0.25 % v/v	POST B						
2 AMS XTRA	3.4 SL	2.5 % v/v	POST B						
3 TREFLAN	4 EC	16.0 oz/a	PRE	A			3.85 a	19.19 a	20 a
2 BEYOND	1 AS	4.0 oz/a	POST B						
2 NIS		0.25 % v/v	POST B						
2 AMS XTRA	3.4 SL	2.5 % v/v	POST B						

University of Georgia

Weed Code							-----	-----	-----
Crop Code							BRSNS	BRNSA	BRSNS
Part Rated							PLOT -	PLOT -	PLOT -
Rating Data Type							YIELD	MOISTURE	YIELD
Rating Unit							LBS	PERCENT	BU/A
Rating Date							Jun-2-15	Jun-2-15	Jun-2-15
PRM Data Type									TY1
# Subsamples, Dec.							- 2	- 2	- 0
Trt Treatment	Form Form	Rate	Grow	Appl					
No. Name	Conc Type	Rate Unit	Stg	Code			15	16	17
4 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A			3.75 a	20.19 a	19 a
2 BEYOND	1 AS	4.0 oz/a	POST	B					
2 NIS		0.25 % v/v	POST	B					
2 AMS XTRA	3.4 SL	2.5 % v/v	POST	B					
5 COMMAND	3 ME	3.5 oz/a	PRE	A			3.80 a	19.35 a	20 a
2 BEYOND	1 AS	4.0 oz/a	POST	B					
2 NIS		0.25 % v/v	POST	B					
2 AMS XTRA	3.4 SL	2.5 % v/v	POST	B					
6 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A			3.96 a	18.83 a	21 a
6 COMMAND	3 ME	3.5 oz/a	PRE	A					
2 BEYOND	1 AS	4.0 oz/a	POST	B					
2 NIS		0.25 % v/v	POST	B					
2 AMS XTRA	3.4 SL	2.5 % v/v	POST	B					
LSD P=.10							0.888	0.976	4.6
Standard Deviation							0.717	0.787	3.7
CV							18.723	4.017	18.8

University of Georgia

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT STUNTING PERCENT Oct-27-14 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	1147.916667				
R	3	56.250000	18.750000	1.552	0.2424	
A	5	460.416667	92.083333	4.911	0.0073	3.8
RA	15	281.250000	18.750000			
B	1	102.083333	102.083333	49.000	0.0060	1.0
RB	3	6.250000	2.083333			
AB	5	60.416667	12.083333	1.000	0.4509	4.3
RAB	15	181.250000	12.083333			

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT CHLOROSI PERCENT Oct-27-14 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	5	0.000000	0.000000	0.000	1.0000	.
RA	15	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	3	0.000000	0.000000			
AB	5	0.000000	0.000000	0.000	1.0000	.
RAB	15	0.000000	0.000000			

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT STAND #/3 FT Oct-27-14 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	789.916667				
R	3	87.416667	29.138889	1.684	0.2129	
A	5	73.416667	14.683333	1.273	0.3262	3.0
RA	15	173.083333	11.538889			
B	1	3.000000	3.000000	0.059	0.8237	4.8
RB	3	152.500000	50.833333			
AB	5	41.000000	8.200000	0.474	0.7900	5.2
RAB	15	259.500000	17.300000			

COMPLETE FACTORIAL AOV For LAMAM ----- CONTROL PERCENT Oct-27-14 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	64436.666667				
R	3	491.333333	163.777778	6.582	0.0047	
A	5	62119.666667	12423.933333	151.306	0.0001	7.9
RA	15	1231.666667	82.111111			
B	1	24.083333	24.083333	1.000	0.3910	3.3
RB	3	72.250000	24.083333			
AB	5	124.416667	24.883333	1.000	0.4509	6.2
RAB	15	373.250000	24.883333			

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT STUNTING PERCENT Nov-7-14 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2131.250000				
R	3	93.750000	31.250000	0.904	0.4625	
A	5	981.250000	196.250000	7.721	0.0009	4.4
RA	15	381.250000	25.416667			
B	1	18.750000	18.750000	0.600	0.4950	3.8
RB	3	93.750000	31.250000			
AB	5	43.750000	8.750000	0.253	0.9317	7.3
RAB	15	518.750000	34.583333			

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT CHLOROSI PERCENT Nov-7-14 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	2874.479167				
R	3	43.229167	14.409722	5.253	0.0112	
A	5	2427.604167	485.520833	79.903	0.0001	2.2
RA	15	91.145833	6.076389			
B	1	88.020833	88.020833	46.091	0.0065	0.9
RB	3	5.729167	1.909722			
AB	5	177.604167	35.520833	12.949	0.0001	2.1
RAB	15	41.145833	2.743056			

COMPLETE FACTORIAL AOV For LAMAM ----- CONTROL PERCENT Nov-7-14 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	64427.916667				
R	3	321.583333	107.194444	39.784	0.0001	
A	5	62685.166667	12537.033333	139.077	0.0001	8.3
RA	15	1352.166667	90.144444			
B	1	0.333333	0.333333	0.158	0.7177	1.0
RB	3	6.333333	2.111111			
AB	5	21.916667	4.383333	1.627	0.2131	2.0
RAB	15	40.416667	2.694444			

University of Georgia

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT STUNTING PERCENT Nov-21-14 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	3381.250000				
R	3	27.083333	9.027778	0.137	0.9363	
A	5	1350.000000	270.000000	8.033	0.0007	5.1
RA	15	504.166667	33.611111			
B	1	18.750000	18.750000	0.231	0.6638	6.1
RB	3	243.750000	81.250000			
AB	5	250.000000	50.000000	0.759	0.5926	10.1
RAB	15	987.500000	65.833333			

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT CHLOROSI PERCENT Nov-21-14 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	357.812500				
R	3	18.229167	6.076389	2.778	0.0774	
A	5	235.937500	47.187500	17.203	0.0001	1.5
RA	15	41.145833	2.743056			
B	1	4.687500	4.687500	1.000	0.3910	1.5
RB	3	14.062500	4.687500			
AB	5	10.937500	2.187500	1.000	0.4509	1.8
RAB	15	32.812500	2.187500			

COMPLETE FACTORIAL AOV For LAMAM ----- CONTROL PERCENT Nov-21-14 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	62587.312500				
R	3	548.229167	182.743056	16.118	0.0001	
A	5	60993.687500	12198.737500	244.334	0.0001	6.2
RA	15	748.895833	49.926389			
B	1	7.520833	7.520833	3.722	0.1493	1.0
RB	3	6.062500	2.020833			
AB	5	112.854167	22.570833	1.991	0.1385	4.2
RAB	15	170.062500	11.337500			

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT STUNTING PERCENT Dec-5-14 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	899.479167				
R	3	9.895833	3.298611	0.148	0.9295	
A	5	371.354167	74.270833	10.537	0.0002	2.3
RA	15	105.729167	7.048611			
B	1	0.520833	0.520833	0.023	0.8893	3.2
RB	3	68.229167	22.743056			
AB	5	8.854167	1.770833	0.079	0.9945	5.9
RAB	15	334.895833	22.326389			

COMPLETE FACTORIAL AOV For ----- BRSNS PLANT CHLOROSI PERCENT Dec-5-14 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	5	0.000000	0.000000	0.000	1.0000	.
RA	15	0.000000	0.000000			
B	1	0.000000	0.000000	0.000	1.0000	.
RB	3	0.000000	0.000000			
AB	5	0.000000	0.000000	0.000	1.0000	.
RAB	15	0.000000	0.000000			

COMPLETE FACTORIAL AOV For LAMAM ----- CONTROL PERCENT Dec-5-14 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	49391.666667				
R	3	328.666667	109.555556	1.089	0.3839	
A	5	42785.416667	8557.083333	85.197	0.0001	8.8
RA	15	1506.583333	100.438889			
B	1	1302.083333	1302.083333	7.039	0.0768	9.2
RB	3	554.916667	184.972222			
AB	5	1405.166667	281.033333	2.794	0.0561	12.4
RAB	15	1508.833333	100.588889			

COMPLETE FACTORIAL AOV For WEED COVER PERCENT Mar-5-15 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	7870.312500				
R	3	743.229167	247.743056	12.155	0.0003	
A	5	6254.687500	1250.937500	65.863	0.0001	3.8
RA	15	284.895833	18.993056			
B	1	117.187500	117.187500	2.872	0.1887	4.3
RB	3	122.395833	40.798611			
AB	5	42.187500	8.437500	0.414	0.8318	5.6
RAB	15	305.729167	20.381944			

University of Georgia

COMPLETE FACTORIAL AOV For ----- BRSNS PLOT YIELD LBS Jun-2-15 2 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	17.879792				
R	3	0.537092	0.179031	0.349	0.7906	
A	5	1.064242	0.212848	0.538	0.7449	0.55
RA	15	5.937658	0.395844			
B	1	0.093633	0.093633	0.186	0.6951	0.48
RB	3	1.506733	0.502244			
AB	5	1.039067	0.207813	0.405	0.8380	0.89
RAB	15	7.701367	0.513424			

COMPLETE FACTORIAL AOV For ----- BRSNA PLOT MOISTURE PERCENT Jun-2-15 2 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	43.848731				
R	3	0.583323	0.194441	0.314	0.8152	
A	5	2.034519	0.406904	0.264	0.9259	1.09
RA	15	23.126240	1.541749			
B	1	2.362969	2.362969	5.591	0.0990	0.44
RB	3	1.267923	0.422641			
AB	5	5.178269	1.035654	1.671	0.2021	0.98
RAB	15	9.295490	0.619699			

COMPLETE FACTORIAL AOV For ----- BRSNS PLOT YIELD BU/A Jun-2-15 TY1 0 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	47	505.462732				
R	3	13.577480	4.525827	0.323	0.8084	
A	5	26.433330	5.286666	0.452	0.8053	3
RA	15	175.372330	11.691489			
B	1	3.837503	3.837503	0.265	0.6421	3
RB	3	43.402341	14.467447			
AB	5	32.913811	6.582762	0.470	0.7925	5
RAB	15	209.925938	13.995063			

Weed Code

LAMAM = HENBIT / LAMIUM AMPLEXICAULE L.

Crop Code

BRSNS = CANOLA, SPRING / BRASSICA NAPUS L. SSP. NAPUS

BRSNA = RUTABAGA / BRASSICA NAPUS L. VAR. NAPOBRASSICA (L.) PETERM./REICHENB

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

PRM Data Type

TY1 = $5.808 * [15] * (100 - [16]) / 90$

University of Georgia

WEED CONTROL IN CLEARFIELD CANOLA

Trial ID: CAN-01-14 Study Dir.: JUSTIN BALLEW
 Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						----- BRSNS PLANT - STUNTING PERCENT Oct-27-14	----- BRSNS PLANT - CHLOROSI PERCENT Oct-27-14	----- BRSNS PLANT - STAND #/3 FT Oct-27-14	LAMAM ----- CONTROL PERCENT Oct-27-14	----- BRSNS PLANT - STUNTING PERCENT Nov-7-14	----- BRSNS PLANT - CHLOROSI PERCENT Nov-7-14
Trt Treatment	Form Form	Rate	Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code	Plot	1	2	3	4	5	6
1 NO PRE NO POST					101 208 301 404 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	28.0 37.0 21.0 25.0 27.8	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
2 NO PRE BEYOND NIS AMS XTRA	1 AS 3.4 SL	4.0 oz/a 0.25 % v/v 2.5 % v/v	POST B POST B POST B		102 207 304 409 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	28.0 22.0 29.0 22.0 25.3	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
3 SONALAN NO POST	3 EC	24.0 oz/a	PRE A		103 205 311 403 Mean =	10.0 10.0 10.0 10.0 10.0	0.0 0.0 0.0 0.0 0.0	24.0 23.0 35.0 23.0 26.3	99.0 99.0 99.0 99.0 99.0	15.0 10.0 15.0 25.0 16.3	0.0 0.0 0.0 0.0 0.0
4 SONALAN BEYOND NIS AMS XTRA	3 EC 1 AS 3.4 SL	24.0 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		104 211 310 405 Mean =	10.0 10.0 10.0 10.0 10.0	0.0 0.0 0.0 0.0 0.0	29.0 24.0 30.0 22.0 26.3	99.0 99.0 99.0 99.0 99.0	10.0 25.0 5.0 10.0 12.5	0.0 0.0 0.0 0.0 0.0
5 TREFLAN NO POST	4 EC	16.0 oz/a	PRE A		105 210 305 407 Mean =	0.0 0.0 0.0 10.0 2.5	0.0 0.0 0.0 0.0 0.0	24.0 32.0 21.0 21.0 24.5	95.0 99.0 99.0 99.0 98.0	10.0 0.0 5.0 10.0 6.3	0.0 0.0 0.0 0.0 0.0
6 TREFLAN BEYOND NIS AMS XTRA	4 EC 1 AS 3.4 SL	16.0 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		106 203 309 408 Mean =	0.0 10.0 0.0 10.0 5.0	0.0 0.0 0.0 0.0 0.0	27.0 20.0 26.0 27.0 25.0	99.0 99.0 99.0 99.0 99.0	10.0 15.0 0.0 0.0 6.3	0.0 0.0 0.0 0.0 0.0
7 DUAL MAGNUM NO POST	7.62 EC	3.5 oz/a	PRE A		107 206 308 412 Mean =	0.0 10.0 0.0 0.0 2.5	0.0 0.0 0.0 0.0 0.0	29.0 26.0 30.0 32.0 29.3	90.0 99.0 99.0 99.0 96.8	5.0 15.0 10.0 0.0 7.5	0.0 0.0 0.0 0.0 0.0
8 DUAL MAGNUM BEYOND NIS AMS XTRA	7.62 EC 1 AS 3.4 SL	3.5 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		108 202 312 406 Mean =	10.0 10.0 0.0 10.0 7.5	0.0 0.0 0.0 0.0 0.0	25.0 26.0 31.0 21.0 25.8	90.0 99.0 99.0 99.0 96.8	5.0 0.0 5.0 5.0 3.8	0.0 0.0 0.0 0.0 0.0
9 COMMAND NO POST	3 ME	3.5 oz/a	PRE A		109 212 302 411 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	25.0 33.0 28.0 23.0 27.3	65.0 99.0 99.0 99.0 90.5	0.0 0.0 0.0 5.0 1.3	10.0 5.0 5.0 10.0 7.5
10 COMMAND BEYOND NIS AMS XTRA	3 ME 1 AS 3.4 SL	3.5 oz/a 4.0 oz/a 0.25 % v/v 2.5 % v/v	PRE A POST B POST B POST B		110 209 303 401 Mean =	0.0 0.0 10.0 10.0 5.0	0.0 0.0 0.0 0.0 0.0	32.0 29.0 29.0 25.0 28.8	65.0 65.0 99.0 99.0 82.0	5.0 0.0 0.0 5.0 2.5	20.0 10.0 15.0 20.0 16.3
11 DUAL MAGNUM COMMAND NO POST	7.62 EC 3 ME	3.5 oz/a 3.5 oz/a	PRE A PRE A		111 204 306 410 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	20.0 30.0 25.0 22.0 24.3	99.0 99.0 99.0 99.0 99.0	0.0 15.0 10.0 0.0 6.3	20.0 10.0 10.0 15.0 13.8

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							----- BRSNS PLANT - STUNTING PERCENT Oct-27-14	----- BRSNS PLANT - CHLOROSI PERCENT Oct-27-14	----- BRSNS PLANT - STAND #/3 FT Oct-27-14	LAMAM ----- CONTROL PERCENT Oct-27-14	----- BRSNS PLANT - STUNTING PERCENT Nov-7-14	----- BRSNS PLANT - CHLOROSI PERCENT Nov-7-14
Trt Treatment	Form Form	Rate	Grow	Appl								
No. Name	Conc Type	Rate Unit	Stg	Code	Plot		1	2	3	4	5	6
12 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A	112		0.0	0.0	29.0	95.0	0.0	20.0
COMMAND	3 ME	3.5 oz/a	PRE	A	201		10.0	0.0	23.0	99.0	15.0	20.0
BEYOND	1 AS	4.0 oz/a	POST	B	307		10.0	0.0	24.0	99.0	0.0	20.0
NIS		0.25 % v/v	POST	B	402		0.0	0.0	25.0	99.0	5.0	25.0
AMS XTRA	3.4 SL	2.5 % v/v	POST	B								
Mean =							5.0	0.0	25.3	98.0	5.0	21.3

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							LAMAM ----- CONTROL PERCENT Nov-7-14	----- BRSNS PLANT - STUNTING PERCENT Nov-21-14	----- BRSNS PLANT - CHLOROSI PERCENT Nov-21-14	LAMAM ----- CONTROL PERCENT Nov-21-14	----- BRSNS PLANT - STUNTING PERCENT Dec-5-14	----- BRSNS PLANT - CHLOROSI PERCENT Dec-5-14
Trt Treatment	Form	Form	Rate	Grow	Appl							
No. Name	Conc	Type	Rate	Unit	Stg	Code Plot	7	8	9	10	11	12
1 NO PRE						101	0.0	0.0	0.0	0.0	0.0	0.0
NO POST						208	0.0	0.0	0.0	0.0	0.0	0.0
						301	0.0	0.0	0.0	0.0	0.0	0.0
						404	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0
2 NO PRE						102	0.0	0.0	0.0	0.0	0.0	0.0
BEYOND	1 AS		4.0 oz/a		POST B	207	0.0	0.0	0.0	0.0	0.0	0.0
NIS			0.25 % v/v		POST B	304	0.0	0.0	0.0	0.0	0.0	0.0
AMS XTRA	3.4 SL		2.5 % v/v		POST B	409	0.0	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0	0.0
3 SONALAN	3 EC		24.0 oz/a		PRE A	103	99.0	20.0	0.0	95.0	10.0	0.0
NO POST						205	99.0	5.0	0.0	99.0	0.0	0.0
						311	99.0	30.0	0.0	99.0	10.0	0.0
						403	99.0	30.0	0.0	99.0	15.0	0.0
						Mean =	99.0	21.3	0.0	98.0	8.8	0.0
4 SONALAN	3 EC		24.0 oz/a		PRE A	104	99.0	10.0	0.0	99.0	10.0	0.0
BEYOND	1 AS		4.0 oz/a		POST B	211	99.0	20.0	0.0	99.0	15.0	0.0
NIS			0.25 % v/v		POST B	310	99.0	10.0	0.0	99.0	5.0	0.0
AMS XTRA	3.4 SL		2.5 % v/v		POST B	405	99.0	5.0	0.0	99.0	0.0	0.0
						Mean =	99.0	11.3	0.0	99.0	7.5	0.0
5 TREFLAN	4 EC		16.0 oz/a		PRE A	105	95.0	10.0	0.0	95.0	0.0	0.0
NO POST						210	99.0	0.0	0.0	99.0	0.0	0.0
						305	99.0	5.0	0.0	99.0	0.0	0.0
						407	99.0	10.0	0.0	99.0	5.0	0.0
						Mean =	98.0	6.3	0.0	98.0	1.3	0.0
6 TREFLAN	4 EC		16.0 oz/a		PRE A	106	99.0	10.0	0.0	90.0	10.0	0.0
BEYOND	1 AS		4.0 oz/a		POST B	203	99.0	0.0	0.0	99.0	0.0	0.0
NIS			0.25 % v/v		POST B	309	99.0	0.0	0.0	99.0	0.0	0.0
AMS XTRA	3.4 SL		2.5 % v/v		POST B	408	99.0	5.0	0.0	99.0	0.0	0.0
						Mean =	99.0	3.8	0.0	96.8	2.5	0.0
7 DUAL MAGNUM	7.62 EC		3.5 oz/a		PRE A	107	95.0	5.0	0.0	70.0	0.0	0.0
NO POST						206	90.0	10.0	0.0	75.0	0.0	0.0
						308	99.0	0.0	0.0	90.0	5.0	0.0
						412	99.0	0.0	0.0	99.0	0.0	0.0
						Mean =	95.8	3.8	0.0	83.5	1.3	0.0
8 DUAL MAGNUM	7.62 EC		3.5 oz/a		PRE A	108	99.0	0.0	0.0	75.0	0.0	0.0
BEYOND	1 AS		4.0 oz/a		POST B	202	95.0	0.0	0.0	90.0	0.0	0.0
NIS			0.25 % v/v		POST B	312	99.0	5.0	0.0	99.0	5.0	0.0
AMS XTRA	3.4 SL		2.5 % v/v		POST B	406	99.0	5.0	0.0	99.0	0.0	0.0
						Mean =	98.0	2.5	0.0	90.8	1.3	0.0
9 COMMAND	3 ME		3.5 oz/a		PRE A	109	65.0	0.0	5.0	80.0	0.0	0.0
NO POST						212	99.0	0.0	0.0	99.0	0.0	0.0
						302	99.0	0.0	5.0	99.0	0.0	0.0
						411	99.0	5.0	5.0	99.0	0.0	0.0
						Mean =	90.5	1.3	3.8	94.3	0.0	0.0
10 COMMAND	3 ME		3.5 oz/a		PRE A	110	65.0	0.0	5.0	85.0	0.0	0.0
BEYOND	1 AS		4.0 oz/a		POST B	209	90.0	0.0	5.0	85.0	0.0	0.0
NIS			0.25 % v/v		POST B	303	99.0	0.0	5.0	99.0	0.0	0.0
AMS XTRA	3.4 SL		2.5 % v/v		POST B	401	99.0	10.0	10.0	99.0	0.0	0.0
						Mean =	88.3	2.5	6.3	92.0	0.0	0.0
11 DUAL MAGNUM	7.62 EC		3.5 oz/a		PRE A	111	99.0	0.0	5.0	99.0	0.0	0.0
COMMAND	3 ME		3.5 oz/a		PRE A	204	99.0	0.0	0.0	99.0	0.0	0.0
NO POST						306	99.0	20.0	5.0	99.0	10.0	0.0
						410	99.0	0.0	5.0	99.0	0.0	0.0
						Mean =	99.0	5.0	3.8	99.0	2.5	0.0

University of Georgia

Weed Code								LAMAM	-----	-----	LAMAM	-----	-----
Crop Code								-----	BRSNS	BRSNS	-----	BRSNS	BRSNS
Part Rated									PLANT -	PLANT -		PLANT -	PLANT -
Rating Data Type								CONTROL	STUNTING	CHLOROSI	CONTROL	STUNTING	CHLOROSI
Rating Unit								PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								Nov-7-14	Nov-21-14	Nov-21-14	Nov-21-14	Dec-5-14	Dec-5-14
PRM Data Type													
# Subsamples, Dec.													
Trt Treatment	Form Form	Rate	Grow	Appl									
No. Name	Conc Type	Rate Unit	Stg	Code Plot			7	8	9	10	11	12	
12 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A 112			99.0	0.0	5.0	99.0	0.0	0.0	
COMMAND	3 ME	3.5 oz/a	PRE	A 201			99.0	30.0	5.0	99.0	5.0	0.0	
BEYOND	1 AS	4.0 oz/a	POST	B 307			99.0	0.0	0.0	99.0	0.0	0.0	
NIS		0.25 % v/v	POST	B 402			99.0	10.0	10.0	99.0	10.0	0.0	
AMS XTRA	3.4 SL	2.5 % v/v	POST	B									
Mean =							99.0	10.0	5.0	99.0	3.8	0.0	

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							LAMAM ----- CONTROL PERCENT Dec-5-14	WEED COVER PERCENT Mar-5-15	----- BRSNS PLOT - YIELD LBS Jun-2-15	----- BRSNA PLOT - MOISTURE PERCENT Jun-2-15	----- BRSNS PLOT - YIELD BU/A Jun-2-15 TY1
Trt Treatment Form Form Rate Grow Appl No. Name Conc Type Rate Unit Stg Code Plot							13	14	15	16	17
1 NO PRE 101							0.0	50.0	3.92	20.21	20
NO POST 208							0.0	40.0	3.52	20.17	18
301							0.0	40.0	4.04	20.08	21
404							0.0	20.0	3.97	20.29	20
Mean =							0.0	37.5	3.86	20.19	20
2 NO PRE 102							20.0	40.0	4.61	19.09	24
BEYOND 1 AS 207							50.0	40.0	3.08	19.85	16
NIS 0.25 % v/v POST B 304							50.0	20.0	4.17	20.43	21
AMS XTRA 3.4 SL 2.5 % v/v POST B 409							0.0	30.0	4.58	19.68	24
Mean =							30.0	32.5	4.11	19.76	21
3 SONALAN 3 EC 24.0 oz/a PRE A 103							90.0	10.0	4.37	18.92	23
NO POST 205							95.0	5.0	3.69	22.18	19
311							99.0	0.0	3.35	18.84	18
403							99.0	0.0	2.00	19.83	10
Mean =							95.8	3.8	3.35	19.94	17
4 SONALAN 3 EC 24.0 oz/a PRE A 104							99.0	5.0	3.79	19.09	20
BEYOND 1 AS 4.0 oz/a POST B 211							99.0	5.0	3.29	18.89	17
NIS 0.25 % v/v POST B 310							99.0	0.0	3.74	18.52	20
AMS XTRA 3.4 SL 2.5 % v/v POST B 405							99.0	0.0	4.25	19.26	22
Mean =							99.0	2.5	3.77	18.94	20
5 TREFLAN 4 EC 16.0 oz/a PRE A 105							90.0	10.0	2.82	22.46	14
NO POST 210							99.0	5.0	3.34	18.34	18
305							95.0	5.0	5.76	19.00	30
407							95.0	0.0	4.23	19.83	22
Mean =							94.8	5.0	4.04	19.91	21
6 TREFLAN 4 EC 16.0 oz/a PRE A 106							99.0	10.0	3.85	20.85	20
BEYOND 1 AS 4.0 oz/a POST B 203							99.0	0.0	4.37	17.86	23
NIS 0.25 % v/v POST B 309							99.0	0.0	3.87	18.89	20
AMS XTRA 3.4 SL 2.5 % v/v POST B 408							99.0	5.0	3.29	19.16	17
Mean =							99.0	3.8	3.85	19.19	20
7 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A 107							65.0	20.0	4.50	18.77	24
NO POST 206							70.0	5.0	3.23	19.15	17
308							50.0	0.0	3.90	20.13	20
412							99.0	5.0	4.96	19.24	26
Mean =							71.0	7.5	4.15	19.32	22
8 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A 108							85.0	5.0	4.05	20.22	21
BEYOND 1 AS 4.0 oz/a POST B 202							90.0	5.0	4.49	19.34	23
NIS 0.25 % v/v POST B 312							99.0	0.0	2.62	21.52	13
AMS XTRA 3.4 SL 2.5 % v/v POST B 406							90.0	0.0	3.84	19.69	20
Mean =							91.0	2.5	3.75	20.19	19
9 COMMAND 3 ME 3.5 oz/a PRE A 109							70.0	20.0	4.10	19.87	21
NO POST 212							95.0	5.0	3.78	19.65	20
302							99.0	10.0	3.87	18.63	20
411							99.0	5.0	3.05	20.34	16
Mean =							90.8	10.0	3.70	19.62	19
10 COMMAND 3 ME 3.5 oz/a PRE A 110							95.0	10.0	3.54	19.39	18
BEYOND 1 AS 4.0 oz/a POST B 209							90.0	5.0	3.67	20.21	19
NIS 0.25 % v/v POST B 303							99.0	0.0	3.85	19.27	20
AMS XTRA 3.4 SL 2.5 % v/v POST B 401							99.0	5.0	4.14	18.52	22
Mean =							95.8	5.0	3.80	19.35	20
11 DUAL MAGNUM 7.62 EC 3.5 oz/a PRE A 111							99.0	5.0	3.63	18.68	19
COMMAND 3 ME 3.5 oz/a PRE A 204							99.0	5.0	3.41	19.60	18
NO POST 306							99.0	0.0	4.12	21.22	21
410							99.0	5.0	3.23	20.25	17
Mean =							99.0	3.8	3.60	19.94	19

University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.							LAMAM ----- CONTROL PERCENT Dec-5-14	WEED COVER PERCENT Mar-5-15	----- BRSNS PLOT - YIELD LBS Jun-2-15 - 2	----- BRSNA PLOT - MOISTURE PERCENT Jun-2-15 - 2	----- BRSNS PLOT - YIELD BU/A Jun-2-15 TY1 - 0
Trt Treatment	Form Form	Rate	Grow	Appl							
No. Name	Conc Type	Rate Unit	Stg	Code	Plot		13	14	15	16	17
12 DUAL MAGNUM	7.62 EC	3.5 oz/a	PRE	A	112		99.0	5.0	3.71	19.52	19
COMMAND	3 ME	3.5 oz/a	PRE	A	201		99.0	5.0	4.18	18.09	22
BEYOND	1 AS	4.0 oz/a	POST	B	307		99.0	0.0	3.98	18.58	21
NIS		0.25 % v/v	POST	B	402		99.0	0.0	3.95	19.11	21
AMS XTRA	3.4 SL	2.5 % v/v	POST	B							
Mean =							99.0	2.5	3.96	18.83	21

University of Georgia

WEED CONTROL IN CLEARFIELD CANOLA	
Trial ID: CAN-01-14	Study Dir.: JUSTIN BALLEW
Location: ATTAPULGUS	Investigator: Eric P. Prostko
Weed Code LAMAM = HENBIT / LAMIUM AMPLEXICAULE L. Crop Code BRSNS = CANOLA, SPRING / BRASSICA NAPUS L. SSP. NAPUS BRUNA = RUTABAGA / BRASSICA NAPUS L. VAR. NAPOBRASSICA (L.) PETERM./REICHENB Part Rated PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) PRM Data Type TY1 = 5.808*[15]*(100-[16])/90	