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Post emergence application of Rhythm and Dawn in soybeans.

Trial ID: 10S-THP-CTS-68 Protocol ID: 10S-THP-CTS-68
 Location: Throckmorton Study Director: White/Marquardt
 Project ID: Investigator: Dr. Bill Johnson
 Sponsor Contact: Cheminova - Jim Barrentine

General Trial Information

Study Director: White/Marquardt **Title:** Research Associate
Investigator: Dr. Bill Johnson **Title:** Professor

Discipline: H herbicide
Trial Status: E established
Initiation Date: 3-18-2010

Trial Location

City: Lafayette USA 49.376656 - 24.53833
State/Prov.: IN -124.715843 - -66.968887
Postal Code: 47909
Country: USA

Personnel

Study Director: White/Marquardt **Title:** Research Associate
Affiliation: Purdue University
Address: 915 W State Street
Location: West Lafayette, IN, USA
Postal Code: 47907 **E-mail:** mdwhite@purdue.edu
Phone No.: 765-494-0891

Investigator: Dr. Bill Johnson **Title:** Professor
Affiliation: Purdue University
Address: 915 W State Street
Location: West Lafayette, IN, USA
Postal Code: 47907 **E-mail:** wj@purdue.edu
Phone No.: 765-494-4656 **Mobile No.:** 765-404-9801

Cooperator/Landowner

Cooperator: Throckmorton Purdue Ag Center **Role:** Purdue Ag Center
Organization: Purdue University
Address 1: 8343 US 231 S

City: Lafayette **Phone No.:** 765-538-3422
State/Prov: IN **Fax No.:** 765-538-3423
Postal Code: 47909 **E-mail:** jayyoung@purdue.edu
Country: USA United States

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: Asgrow AG2939 **Description:** RR2
BBCH Scale: BSOY **Planting Date:** 5-28-2010
Row Spacing, Unit: 30 IN
Emergence Date: 6-3-2010

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail

Pest 2 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed

Pest 3 Type: W **Code:** ABUTH *Abutilon theophrasti*
Common Name: Velvetleaf

Pest 4 Type: W **Code:** IPOHE w
Common Name: Ivyleaf morningglory

Pest 5 Type: W **Code:** POROL *Portulaca oleracea*
Common Name: Common purslane

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Site and Design

Plot Width, Unit: 10 FT
Plot Length, Unit: 30 FT
Plot Area, Unit: 300 FT²
Replications: 4

Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: CONTIL conventional-till
Study Design: RACOB� Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

Soil Description

Description Name: TPAC - Field 4B
% OM: 2.9 **Texture:** SIL silt loam
pH: 6.2 **Soil Name:** Toronto-Millbrook
CEC: 13.3

Application Description

	A	B
Application Date:	6-10-2010	6-25-2010
Time of Day:	7:47-8 AM	8:42 AM
Application Method:	SPRAY	SPRAY
Application Timing:	EAPOWE	MIPOWE
Application Placement:	FOLIAR	FOLIAR
Applied By:	MH	MH
Air Temperature, Unit:	66 F	74 F
% Relative Humidity:	78.6	70
Wind Velocity, Unit:	2.6 MPH	1 MPH
Wind Direction:	SE	S
Dew Presence (Y/N):	Y yes	Y yes
Soil Temperature, Unit:	64 F	70 F
Soil Moisture:	WET	WET
% Cloud Cover:	5	

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:	BBCH	BBCH
Stage Majority, Percent:	V2	V6
Height, Unit:	3.5 IN	7 IN
Height Minimum, Maximum:	2 5	6 8

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Pest Stage At Each Application		
	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Height, Unit:	0.5 IN	5 IN
Height Minimum, Maximum:	0.5 1	2 8
Density, Unit:	8 YD2	30 YD2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W
Height, Unit:	1 IN	9.5 IN
Height Minimum, Maximum:	0.5 1.5	1 18
Density, Unit:	10 YD2	10 YD2
Pest 3 Code, Type, Scale:	ABUTH W	ABUTH W
Height, Unit:	0.5 IN	5 IN
Height Minimum, Maximum:	0.25 0.75	2 8
Density, Unit:	2 YD2	3 YD2
Pest 4 Code, Type, Scale:	IPOHE W	IPOHE W
Height, Unit:		4 IN
Height Minimum, Maximum:		1 7
Density, Unit:		3 YD2
Pest 5 Code, Type, Scale:	POROL W	POROL W
Height, Unit:		1.5 IN
Height Minimum, Maximum:		1 2
Density, Unit:		5 YD2

Application Equipment		
	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	17 PSI	17 PSI
Nozzle Type:	Flat Fan	Flat Fan
Nozzle Size:	XR11002	XR11002
Nozzle Spacing, Unit:	15 IN	15 IN
Nozzles/Row:	6	6
Boom Length, Unit:	7.5 FT	7.5 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	MEIGS	MEIGS
Water Hardness (ppm CaCO3):	150	150
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC
Mix Size, Unit:	1.8 Liters	1.8 Liters
Propellant:	CO2	CO2
Tank Mix (Y/N):	N no	N no

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 Location: Throckmorton Study Director: White/Marquardt
 Project ID: Investigator: Dr. Bill Johnson
 Sponsor Contact: Cheminova - Jim Barrentine

Pest Type	W Weed SETFA	W Weed AMBTR	W Weed ABUTH	W Weed AMARE	W Weed CHEAL	W Weed IPOHE			
Pest Code	Setaria faberi	Ambrosia trifida	Abutilon theophrasti	Amaranthus retrofractus	Chenopodium album	Ipomoea hederacea			
Pest Scientific Name	Giant foxtail	Giant ragweed	Velvetleaf	Redroot pigweed	Common lambsquarters	ivyleaf morning glory			
Pest Name							GLXMA BSOY Glycine max Soybean		
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Crop Variety									
Description									
Rating Date	6-23-2010	6-23-2010	6-23-2010	6-23-2010	6-23-2010	6-23-2010	6-23-2010		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYLMA		
Rating Unit	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1		
Crop Stage Majority	V3								
Pest Stage Majority	8"	16"	2"	2"	1"	2"			
Pest Density, Unit	30 YD2	6 YD2	3 YD2	2 YD2	2 YD2	3 YD2			
Assessed By	MW	MW	MW	MW	MW	MW	MW		
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code	1	2	3	4	5	6	7
1 Untreated Check	0.0 c		0.0 c	0.0 c	0.0 c	0.0 b	0.0 b	0.0 d	1.5 d
2 Rhythm (1.88 ME)	0.147 lb ai/a	A	15.0 c	72.3 b	89.8 a	91.8 a	88.3 a	12.5 d	6.0 bc
AMS - Liquid	2.5 % v/v	A							
Select (2 EC)	0.125 lb ai/a	B							
COC	1 % v/v	B							
AMS - Liquid	3 lb ai/a	B							
3 Rhythm (1.88 ME)	0.294 lb ai/a	A	78.8 ab	95.0 a	94.5 a	99.0 a	96.8 a	35.3 cd	5.5 c
AMS - Liquid	2.5 % v/v	A							
Select (2 EC)	0.125 lb ai/a	B							
COC	1 % v/v	B							
AMS - Liquid	3 lb ai/a	B							
4 Rhythm (1.88 ME)	0.59 lb ai/a	A	83.8 ab	98.5 a	95.8 a	99.0 a	91.8 a	98.0 a	8.8 abc
AMS - Liquid	2.5 % v/v	A							
Select (2 EC)	0.125 lb ai/a	B							
COC	1 % v/v	B							
AMS - Liquid	3 lb ai/a	B							
5 Rhythm (1.88 ME)	0.147 lb ai/a	A	95.3 a	93.5 a	97.5 a	99.0 a	94.5 a	86.0 ab	7.3 abc
Glyphos Xtra (3 SL)	0.75 lb ae/a	A							
6 Rhythm (1.88 ME)	0.294 lb ai/a	A	94.3 a	93.0 a	98.0 a	99.0 a	98.0 a	93.5 a	6.8 bc
Glyphos Xtra (3 SL)	0.75 lb ae/a	A							
7 Dawn (2 AS)	0.375 lb ai/a	A	71.3 ab	96.8 a	79.8 ab	99.0 a	99.0 a	74.5 ab	11.3 a
NIS	0.25 % v/v	A							
Select (2 EC)	0.125 lb ai/a	B							
COC	1 % v/v	B							
AMS - Liquid	3 lb ai/a	B							
8 Flexstar (1.88 L)	0.147 lb ai/a	A	62.5 b	83.5 ab	67.3 b	99.0 a	89.5 a	51.0 bc	7.3 abc
AMS - Liquid	2.5 % v/v	A							
Select (2 EC)	0.125 lb ai/a	B							
COC	1 % v/v	B							
AMS - Liquid	3 lb ai/a	B							

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	SETFA	AMBTR	ABUTH	AMARE	CHEAL	IPHOE					
Pest Scientific Name	Setaria faberi	Ambrosia trifida	Abutilon theophrasti	Amaranthus retrofractus	Chenopodium album	Ipomoea hederifolia					
Pest Name	Giant foxtail	Giant ragweed	Velvetleaf	Redroot pigweed	Common lambsquarters	Ipomoea leaf morning glory					
Crop Code								GLXMA			
BBCH Scale								BSOY			
Crop Scientific Name								Glycine max			
Crop Name								Soybean			
Crop Variety											
Description											
Rating Date	6-23-2010	6-23-2010	6-23-2010	6-23-2010	6-23-2010	6-23-2010	6-23-2010	6-23-2010			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYLMA			
Rating Unit	%	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1	1			
Crop Stage Majority	V3										
Pest Stage Majority	8"	16"	2"	2"	1"		2"				
Pest Density, Unit	30 YD2	6 YD2	3 YD2	2 YD2	2 YD2		3 YD2				
Assessed By	MW	MW	MW	MW	MW		MW	MW			
Trt No.	Treatment Name	Rate	Appl Unit	Code	1	2	3	4	5	6	7
9	Flexstar (1.88 L)	0.294 lb ai/a	A		85.0 ab	96.8 a	96.8 a	99.0 a	93.3 a	94.5 a	10.0 ab
	AMS - Liquid	2.5 % v/v	A								
	Select (2 EC)	0.125 lb ai/a	B								
	COC	1 % v/v	B								
	AMS - Liquid	3 lb ai/a	B								
10	Untreated Check				0.0 c	0.0 c	0.0 c	0.0 b	0.0 b	0.0 d	1.5 d
LSD (P=.05)		18.09			12.57	16.16	6.65	11.90	30.10	2.84	
Standard Deviation		12.46			8.66	11.14	4.59	8.20	20.71	1.96	
CV		21.28			11.88	15.48	5.84	10.92	37.97	29.77	
Bartlett's X2		20.139			28.737	32.161	0.0	11.345	31.068	3.926	
P(Bartlett's X2)		0.005*			0.001*	0.001*	.	0.078	0.001*	0.864	
Replicate F		1.287			2.608	0.600	1.000	1.484	0.881	0.111	
Replicate Prob(F)		0.2991			0.0721	0.6209	0.4079	0.2411	0.4639	0.9530	
Treatment F		38.027			82.035	49.362	326.422	93.904	15.023	10.699	
Treatment Prob(F)		0.0001			0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Column 1: Weed or volunteer crop; US; control / burndown or knockdown; percent; V3; 8"; per square yard; MW
Column 2: Weed or volunteer crop; US; control / burndown or knockdown; percent; 16"; per square yard; MW
Column 3: Weed or volunteer crop; US; control / burndown or knockdown; percent; 2"; per square yard; MW
Column 4: Weed or volunteer crop; US; control / burndown or knockdown; percent; 2"; per square yard; MW
Column 5: Weed or volunteer crop; US; control / burndown or knockdown; percent; 1"; per square yard; MW
Column 6: Weed or volunteer crop; US; control / burndown or knockdown; percent; 2"; per square yard; MW
Column 7: US; phytotoxicity - leaf malformation; percent; MW
Column 8: US; phytotoxicity - necrosis, leaf blotch; percent; MW
Column 9: Weed or volunteer crop; US; control / burndown or knockdown; percent; V4; 16"; per square yard; MW
Column 10: Weed or volunteer crop; US; control / burndown or knockdown; percent; 24"; per square yard; MW
Column 11: Weed or volunteer crop; US; control / burndown or knockdown; percent; 3"; per square yard; MW
Column 12: Weed or volunteer crop; US; control / burndown or knockdown; percent; 5"; per square yard; MW
Column 13: Weed or volunteer crop; US; control / burndown or knockdown; percent; 6"; per square yard; MW
Column 14: US; phytotoxicity - general / injury; percent; MW
Column 15: Weed or volunteer crop; US; control / burndown or knockdown; percent; R1; 40"; per square yard; MW
Column 16: Weed or volunteer crop; US; control / burndown or knockdown; percent; 70"; per square yard; MW
Column 17: Weed or volunteer crop; US; control / burndown or knockdown; percent; per square yard; MW
Column 18: Weed or volunteer crop; US; control / burndown or knockdown; percent; 30"; per square yard; MW
Column 19: Weed or volunteer crop; US; control / burndown or knockdown; percent; 24"; per square yard; MW
Column 20: Weed or volunteer crop; US; control / burndown or knockdown; percent; 30"; per square yard; MW
Column 21: US; STUNT; percent; MW

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Pest Type		W Weed SETFA	W Weed AMBTR	W Weed AMARE	W Weed IPOHE	W Weed ABUTH		W Weed SETFA				
Pest Code		Setaria faberi	Ambrosia trifi>	Amaranthus ret>	Ipomoea heder>	Abutilon theop>		Setaria faberi				
Pest Scientific Name		Giant foxtail	Giant ragweed	Redroot pigweed	lvyleaf mornin>	Velvetleaf		Giant foxtail				
Pest Name												
Crop Code	GLXMA						GLXMA					
BBCH Scale	BSOY						BSOY					
Crop Scientific Name	Glycine max						Glycine max					
Crop Name	Soybean						Soybean					
Crop Variety												
Description												
Rating Date	6-23-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	7-20-2010				
Rating Type	PHYNLB	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO				
Rating Unit	%	%	%	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1	1	1				
Crop Stage Majority		V4						R1				
Pest Stage Majority		16"	24"	3"	5"	6"		40"				
Pest Density, Unit		30 YD2	6 YD2	4 YD2	2 YD2	2 YD2		50 YD2				
Assessed By	MW	MW	MW	MW	MW	MW	MW	MW				
Trt	Treatment	Rate	Appl									
No.	Name	Rate	Unit	Code	8	9	10	11				
					12	13	14	15				
1	Untreated Check	0.0	d		0.0 c	0.0 d	0.0 b	0.0 a	0.0 c			
2	Rhythm (1.88 ME) AMS - Liquid Select (2 EC) COC AMS - Liquid	0.147 lb ai/a 2.5 % v/v 0.125 lb ai/a 1 % v/v 3 lb ai/a	A A B B B		0.0 d	66.3 b	47.5 c	91.8 a	10.4 d	89.3 a	0.0 a	94.8 a
3	Rhythm (1.88 ME) AMS - Liquid Select (2 EC) COC AMS - Liquid	0.294 lb ai/a 2.5 % v/v 0.125 lb ai/a 1 % v/v 3 lb ai/a	A A B B B		2.3 cd	83.8 a	86.0 a	99.0 a	17.9 d	67.3 a	0.0 a	98.0 a
4	Rhythm (1.88 ME) AMS - Liquid Select (2 EC) COC AMS - Liquid	0.59 lb ai/a 2.5 % v/v 0.125 lb ai/a 1 % v/v 3 lb ai/a	A A B B B		4.5 bc	88.8 a	96.8 a	99.0 a	93.0 a	98.0 a	0.0 a	97.5 a
5	Rhythm (1.88 ME) Glyfos Xtra (3 SL)	0.147 lb ai/a 0.75 lb ae/a	A A		5.0 bc	88.0 a	88.3 a	99.0 a	72.3 ab	92.3 a	0.0 a	87.5 a
6	Rhythm (1.88 ME) Glyfos Xtra (3 SL)	0.294 lb ai/a 0.75 lb ae/a	A A		6.0 b	86.3 a	93.3 a	99.0 a	57.5 bc	93.0 a	0.0 a	75.0 b
7	Dawn (2 AS) NIS Select (2 EC) COC AMS - Liquid	0.375 lb ai/a 0.25 % v/v 0.125 lb ai/a 1 % v/v 3 lb ai/a	A A B B B		5.3 bc	82.5 a	99.0 a	99.0 a	89.3 a	77.0 a	0.0 a	97.0 a
8	Flexstar (1.88 L) AMS - Liquid Select (2 EC) COC AMS - Liquid	0.147 lb ai/a 2.5 % v/v 0.125 lb ai/a 1 % v/v 3 lb ai/a	A A B B B		4.0 bc	72.5 ab	69.8 b	99.0 a	42.5 c	59.8 a	0.0 a	96.0 a

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Pest Type		W Weed	W Weed	W Weed	W Weed	W Weed		W Weed				
Pest Code		SETFA	AMBTR	AMARE	IPOHE	ABUTH		SETFA				
Pest Scientific Name		Setaria faberi	Ambrosia trifida	Amaranthus retrofractus	Ipomoea hederifolia	Abutilon theophrasti		Setaria faberi				
Pest Name		Giant foxtail	Giant ragweed	Redroot pigweed	Ipomoea hederifolia	Velvetleaf		Giant foxtail				
Crop Code	GLXMA						GLXMA					
BBCH Scale	BSOY						BSOY					
Crop Scientific Name	Glycine max						Glycine max					
Crop Name	Soybean						Soybean					
Crop Variety												
Description												
Rating Date	6-23-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	6-30-2010	7-20-2010				
Rating Type	PHYNLB	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO				
Rating Unit	%	%	%	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1	1	1				
Crop Stage Majority		V4						R1				
Pest Stage Majority		16"	24"	3"	5"	6"		40"				
Pest Density, Unit		30 YD2	6 YD2	4 YD2	2 YD2	2 YD2		50 YD2				
Assessed By	MW	MW	MW	MW	MW	MW	MW	MW				
Trt No.	Treatment Name	Rate	Unit	Appl Code	8	9	10	11	12	13	14	15
9	Flexstar (1.88 L)	0.294	lb ai/a	A	8.5 a	86.3 a	91.8 a	99.0 a	74.8 ab	92.0 a	0.0 a	96.0 a
	AMS - Liquid	2.5	% v/v	A								
	Select (2 EC)	0.125	lb ai/a	B								
	COC	1	% v/v	B								
	AMS - Liquid	3	lb ai/a	B								
10	Untreated Check				0.0 d	0.0 c	0.0 d	0.0 b	0.0 d	0.0 b	0.0 a	0.0 c
	LSD (P=.05)	2.32				11.40	13.05	6.65	23.19	26.06	0.00	8.06
	Standard Deviation	1.60				7.86	8.99	4.59	15.92	17.96	0.00	5.56
	CV	45.03				12.01	13.37	5.84	34.8	26.87	0.0	7.49
	Bartlett's X2	5.583				19.109	7.392	0.0	6.062	18.309	0.0	35.739
	P(Bartlett's X2)	0.472				0.008*	0.286	.	0.416	0.011*	.	0.001*
	Replicate F	0.848				3.434	6.335	1.000	2.810	0.465	0.000	1.842
	Replicate Prob(F)	0.4799				0.0309	0.0022	0.4079	0.0601	0.7093	1.0000	0.1634
	Treatment F	13.235				80.381	73.615	326.422	21.085	17.257	0.000	204.165
	Treatment Prob(F)	0.0001				0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

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Pest Type	W Weed							
Pest Code	AMBTR	CHEAL	IPOHE	AMARE	ABUTH			
Pest Scientific Name	Ambrosia trifi>	Chenopodium ai>	Ipomoea heder>	Amaranthus ret>	Abutilon theop>			
Pest Name	Giant ragweed	Common lambsqu>	Ivyleaf mornin>	Redroot pigweed	Velvetleaf			
Crop Code						GLXMA		
BBCH Scale						BSOY		
Crop Scientific Name						Glycine max		
Crop Name						Soybean		
Crop Variety								
Description								
Rating Date	7-20-2010	7-20-2010	7-20-2010	7-20-2010	7-20-2010	7-20-2010		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	STUNT		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority								
Pest Stage Majority	70"		30"	24"	30"			
Pest Density, Unit	6 YD2	- YD2	1 YD2	4 YD2	2 YD2			
Assessed By	MW	MW	MW	MW	MW	MW		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit Code		16	17	18	19	20	21
1 Untreated Check	0.0 c			0.0 b	0.0 c	0.0 b	0.0 b	0.0 a
2 Rhythm (1.88 ME)	0.147 lb ai/a A		62.5 b	78.8 a	50.0 b	89.3 a	65.0 a	0.0 a
AMS - Liquid	2.5 % v/v A							
Select (2 EC)	0.125 lb ai/a B							
COC	1 % v/v B							
AMS - Liquid	3 lb ai/a B							
3 Rhythm (1.88 ME)	0.294 lb ai/a A		85.0 a	81.3 a	89.5 a	99.0 a	74.8 a	0.8 a
AMS - Liquid	2.5 % v/v A							
Select (2 EC)	0.125 lb ai/a B							
COC	1 % v/v B							
AMS - Liquid	3 lb ai/a B							
4 Rhythm (1.88 ME)	0.59 lb ai/a A		90.8 a	94.5 a	89.8 a	99.0 a	77.5 a	0.8 a
AMS - Liquid	2.5 % v/v A							
Select (2 EC)	0.125 lb ai/a B							
COC	1 % v/v B							
AMS - Liquid	3 lb ai/a B							
5 Rhythm (1.88 ME)	0.147 lb ai/a A		87.0 a	83.5 a	76.3 ab	99.0 a	92.3 a	0.0 a
Glyphos Xtra (3 SL)	0.75 lb ae/a A							
6 Rhythm (1.88 ME)	0.294 lb ai/a A		81.0 a	86.3 a	59.8 ab	99.0 a	86.0 a	0.0 a
Glyphos Xtra (3 SL)	0.75 lb ae/a A							
7 Dawn (2 AS)	0.375 lb ai/a A		92.0 a	85.0 a	91.3 a	99.0 a	67.3 a	0.8 a
NIS	0.25 % v/v A							
Select (2 EC)	0.125 lb ai/a B							
COC	1 % v/v B							
AMS - Liquid	3 lb ai/a B							
8 Flexstar (1.88 L)	0.147 lb ai/a A		72.3 ab	67.5 a	74.8 ab	93.0 a	65.0 a	0.8 a
AMS - Liquid	2.5 % v/v A							
Select (2 EC)	0.125 lb ai/a B							
COC	1 % v/v B							
AMS - Liquid	3 lb ai/a B							

