

Northeast Research & Extension Center

2009 SL-950 Corn University Study on Samson nicosulfuron

Trial ID: 09-CRLL-10 Samson Post	Protocol ID: 09-CRLL-10 Samson Post
Location: Concord, NE	Study Director:
Project ID: 09-US-H-CG246	Investigator: Stevan Knezevic
	Sponsor Contact:

General Trial Information

Investigator: Stevan Knezevic

Trial Status: F one-year/final

Trial Location

City: Concord
 State/Prov.: NE
 Postal Code: 68728
 Country: USA

Personnel

Investigator: Stevan Knezevic

Crop Description

Crop 1: ZEAMX Zea mays Corn	Description: RLL
Variety: Pioneer 35F40	Planting Date: 05-18-09
BBCH Scale: BCOR	Rate, Unit: 24503 s/a
Planting Method: SEEDED seeded	
Depth, Unit: 2 in	
Row Spacing, Unit: 30 in	
Harvest Date: 11-12-09	Harvest Equipment: Almaco SP40
Harvested Width, Unit: 5 ft	Harvested Length, Unit: 27.5 ft
% Standard Moisture: 15.5	Moisture Meter: almaco
Weighing Equipment: almaco	

Pest Description

Pest 1 Type: W Code: SETVI *Setaria viridis*
 Common Name: Green foxtail

Pest 2 Type: W Code: ABUTH *Abutilon theophrasti*
 Common Name: Velvetleaf

Pest 3 Type: W Code: AMATU *Amaranthus tuberculatus*
 Common Name: Tall waterhemp

Site and Design

Plot Width, Unit: 10 FT Site Type: FIELD field
 Plot Length, Unit: 30 FT
 Plot Area, Unit: 300 FT2 Tillage Type: MINTIL minimum-till
 Replications: 3 Study Design: RAOBL Randomized Complete Block (RCB)

Trial Initiation Comments:

Trial was field cultivated 5-17-09 one time with rolling basket

Soil Description

% Sand: 10 % OM: 4.6 Texture: SICL silty clay loam
 % Silt: 56 pH: 6.2
 % Clay: 34 CEC: 25.3 Fert. Level: F fair

Analyzed By:

Midwest Labs

Application Description

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	A	B
Application Date:	05-21-09	06-17-09
Time of Day:	6:45 am	3:00 pm
Application Method:	spray	spray
Application Timing:	PRE	POST
Application Placement:	surface	foliar
Applied By:	js	rr
Air Temperature, Unit:	60 F	89 F
% Relative Humidity:	95	60
Wind Velocity, Unit:	5 mph	4 mph
Wind Direction:	N	S
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	66 F	70 F
Soil Moisture:	adequate	wet
% Cloud Cover:	100	80
Next Rain Occurred On:		06-17-09

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	ZEAMX BCOR	ZEAMX BCOR
Stage Scale Used:		DESC
Stage Majority, Percent:		V5 80
Stage Minimum, Percent:		V4 20
Height, Unit:		8 in

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETVI W	SETVI W
Height, Unit:		3.5 in
Height Minimum, Maximum:		3 4
Density, Unit:		20 m2
Pest 2 Code, Type, Scale:	ABUTH W	ABUTH W
Height, Unit:		5 in
Height Minimum, Maximum:		4 6
Density, Unit:		10 m2
Pest 3 Code, Type, Scale:	AMATU W	AMATU W
Height, Unit:		3.5 in
Height Minimum, Maximum:		3 4
Density, Unit:		5 m2

Application Equipment

	A	B
Appl. Equipment:	backpack	BACKPACK
Operating Pressure, Unit:	20 psi	40 PSI
Nozzle Type:	Turbo Tee	TURBO TEE
Nozzle Size:	11003	11002
Nozzle Spacing, Unit:	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	12 IN	12 IN
Ground Speed, Unit:	2.7 MPH	2.7 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA
Mix Size, Unit:	1.8 Liters	1.8 Liters
Propellant:	co2	co2

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2009 SL-950 Corn University Study on Samson nicosulfuron

Trial ID: 09-CRRL-10 Samson Post Protocol ID: 09-CRRL-10 Samson Post
 Location: Concord, NE Study Director:
 Project ID: 09-US-H-CG246 Investigator: Stevan Knezevic
 Sponsor Contact:

Description					Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Green foxtail	
Rating Date					11-12-09	11-12-09	06-02-09	06-17-09	06-25-09	07-01-09	06-02-09	
Rating Type					Yield@15.5%	Moisture	Injury	Injury	Injury	Injury	Control	
Rating Unit					bu/A	%	Percent	Percent	Percent	Percent	Percent	
Days After First/Last Applic.					175 148	175 148	12 12	27 27	35 8	41 14	12 12	
Trt-Eval Interval					175 DA-A	175 DA-A						
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
1	Nontreated Check					123.173 e	17.840 a	0.0 a	0.0 a	0.0 c	0.0 c	0.0 a
2	Samson	12 oz/a		POST	B	186.933 bc	16.777 a			5.7 a	1.7 ab	
	AMS	8.5 lb/100 gal		POST	B							
	Clarity	6.65 oz/a		POST	B							
3	Samson	12 oz/a		POST	B	192.777 ab	17.110 a	0.0 a	0.0 a	0.0 c	0.0 c	0.0 a
	atrazine	15.9 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
4	Samson	12 oz/a		POST	B	180.727 bc	16.613 a			5.0 ab	3.0 a	
	atrazine	15.9 oz/a		POST	B							
	Clarity	6.65 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
5	Dual II Magnum	1.4 pt/a		PRE	A	183.460 bc	16.727 a	0.0 a	0.0 a	4.7 ab	2.7 a	0.0 a
	Samson	12 oz/a		POST	B							
	Clarity	6.65 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
6	Dual II Magnum	1.4 pt/a		PRE	A	204.260 a	16.967 a	0.0 a	0.0 a	0.0 c	0.7 bc	0.0 a
	Samson	12 oz/a		POST	B							
	atrazine	15.9 oz/a		POST	B							
	COC	1 % v/v		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
7	Dual II Magnum	1.4 pt/a		PRE	A	184.270 bc	16.653 a	0.0 a	0.0 a	3.7 b	2.7 a	0.0 a
	Samson	12 oz/a		POST	B							
	atrazine	15.9 oz/a		POST	B							
	Clarity	6.65 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
8	atrazine	15.9 oz/a		PRE	A	194.173 ab	17.287 a	0.0 a	0.0 a	0.0 c	0.0 c	0.0 a
	Samson	12 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
9	atrazine	15.9 oz/a		PRE	A	174.430 c	16.577 a	0.0 a	0.0 a	0.0 c	0.0 c	0.0 a
	Accent	0.66667 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
10	atrazine	15.9 oz/a		PRE	A	158.230 d	17.463 a	0.0 a	0.0 a	0.0 c	0.0 c	0.0 a
	Option	1.5 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
11	Dual II Magnum	1.4 pt/a		PRE	A	185.893 bc	17.177 a	0.0 a	0.0 a	0.0 c	0.0 c	0.0 a
	Roundup WeatherMAX	22 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							

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Description					Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Green foxtail	
Rating Date					11-12-09	11-12-09	06-02-09	06-17-09	06-25-09	07-01-09	06-02-09	
Rating Type					Yield@15.5%	Moisture	Injury	Injury	Injury	Injury	Control	
Rating Unit					bu/A	%	Percent	Percent	Percent	Percent	Percent	
Days After First/Last Applic.					175 148	175 148	12 12	27 27	35 8	41 14	12 12	
Trt-Eval Interval					175 DA-A	175 DA-A						
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
12	Samson	12 oz/a		POST	B	186.537 bc	17.230 a			0.0 c	0.0 c	
	Roundup WeatherMAX	22 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
LSD (P=.05)					14.0183	0.7635	0.00	0.00	1.50	1.38	0.00	
Standard Deviation					8.2781	0.4509	0.00	0.00	0.89	0.81	0.00	
CV					4.61	2.65	0.0	0.0	56.06	91.68	0.0	
Grand Mean					179.57	17.04	0.0	0.0	1.58	0.89	0.0	
Bartlett's X2					6.673	14.163	0.0	0.0	2.747	2.121	0.0	
P(Bartlett's X2)					0.825	0.224	.	.	0.432	0.713	.	
Replicate F					2.104	5.508	0.000	0.000	2.962	1.548	0.000	
Replicate Prob(F)					0.1459	0.0115	1.0000	1.0000	0.0726	0.2351	1.0000	
Treatment F					19.266	2.224	0.000	0.000	21.548	6.966	0.000	
Treatment Prob(F)					0.0001	0.0532	1.0000	1.0000	0.0001	0.0001	1.0000	

Means followed by same letter do not significantly differ (P=.05, LSD)

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

Description						Green foxtail	Green foxtail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf
Rating Date						06-17-09	06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09
Rating Type						Control	Control	Density	Control	Control	Control	Control
Rating Unit						Percent	Percent	m ² RunCH	Percent	Percent	Percent	Percent
Days After First/Last Applic.						27 27	35 8	35 8	41 14	82 55	12 12	27 27
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
1	Nontreated Check					0.0 c	0.0 d	0.0 b	0.0 d	0.0 d	0.0 f	0.0 d
2	Samson AMS Clarity	12 oz/a 8.5 lb/100 gal 6.65 oz/a	oz/a lb/100 gal oz/a	POST POST POST	B B B		97.0 a	35.0 a	97.7 a	98.0 a		
3	Samson atrazine AMS	12 oz/a 15.9 oz/a 8.5 lb/100 gal	oz/a oz/a lb/100 gal	POST POST POST	B B B	20.0 b	94.7 a	35.0 a	96.0 a	99.0 a	92.0 ab	50.0 a
4	Samson atrazine Clarity AMS	12 oz/a 15.9 oz/a 6.65 oz/a 8.5 lb/100 gal	oz/a oz/a oz/a lb/100 gal	POST POST POST POST	B B B B		93.3 a	31.7 a	96.0 a	97.7 a		
5	Dual II Magnum Samson Clarity AMS	1.4 pt/a 12 oz/a 6.65 oz/a 8.5 lb/100 gal	pt/a oz/a oz/a lb/100 gal	PRE POST POST POST	A B B B	90.0 a	98.0 a	30.0 a	98.7 a	99.0 a	36.7 de	42.5 a
6	Dual II Magnum Samson atrazine COC AMS	1.4 pt/a 12 oz/a 15.9 oz/a 1 % v/v 8.5 lb/100 gal	pt/a oz/a oz/a % v/v lb/100 gal	PRE POST POST POST POST	A B B B B	94.0 a	97.7 a	33.3 a	97.7 a	99.0 a	18.3 ef	17.5 c
7	Dual II Magnum Samson atrazine Clarity AMS	1.4 pt/a 12 oz/a 15.9 oz/a 6.65 oz/a 8.5 lb/100 gal	pt/a oz/a oz/a oz/a lb/100 gal	PRE POST POST POST POST	A B B B B	84.7 a	97.3 a	28.3 a	97.3 a	98.3 a	40.0 cde	36.7 ab
8	atrazine Samson AMS	15.9 oz/a 12 oz/a 8.5 lb/100 gal	oz/a oz/a lb/100 gal	PRE POST POST	A B B	20.0 b	95.0 a	25.0 a	95.7 a	97.7 a	60.0 cd	25.0 bc
9	atrazine Accent AMS	15.9 oz/a 0.66667 oz/a 8.5 lb/100 gal	oz/a oz/a lb/100 gal	PRE POST POST	A B B	27.5 b	56.7 b	35.0 a	56.7 b	65.0 b	67.5 bc	35.0 ab
10	atrazine Option AMS	15.9 oz/a 1.5 oz/a 8.5 lb/100 gal	oz/a oz/a lb/100 gal	PRE POST POST	A B B	18.3 b	46.7 c	38.3 a	38.3 c	50.0 c	99.0 a	38.3 ab
11	Dual II Magnum Roundup WeatherMAX AMS	1.4 pt/a 22 oz/a 8.5 lb/100 gal	pt/a oz/a lb/100 gal	PRE POST POST	A B B	92.3 a	99.0 a	36.7 a	99.0 a	99.0 a	41.7 cde	50.0 a

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Description					Green foxtail	Green foxtail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf	
Rating Date					06-17-09	06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09	
Rating Type					Control	Control	Density	Control	Control	Control	Control	
Rating Unit					Percent	Percent	m2 RunCH	Percent	Percent	Percent	Percent	
Days After First/Last Applic.					27 27	35 8	35 8	41 14	82 55	12 12	27 27	
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
12	Samson	12	oz/a	POST	B		99.0 a	21.7 a	99.0 a	99.0 a		
	Roundup WeatherMAX	22	oz/a	POST	B							
	AMS	8.5	lb/100 gal	POST	B							
LSD (P=.05)					11.10	6.44	19.55	4.68	2.84	30.35	16.96	
Standard Deviation					6.10	3.80	11.55	2.76	1.67	17.06	9.32	
CV					12.29	4.68	39.59	3.41	2.0	33.73	28.45	
Grand Mean					49.65	81.19	29.17	81.0	83.47	50.57	32.78	
Bartlett's X2					4.512	18.471	6.201	30.185	8.31	4.98	3.929	
P(Bartlett's X2)					0.478	0.018*	0.798	0.001*	0.081	0.418	0.56	
Replicate F					2.336	0.763	1.188	1.877	1.324	0.550	1.374	
Replicate Prob(F)					0.1471	0.4782	0.3238	0.1768	0.2875	0.5911	0.2971	
Treatment F					124.212	200.108	2.438	407.897	1023.058	10.846	9.087	
Treatment Prob(F)					0.0001	0.0001	0.0362	0.0001	0.0001	0.0002	0.0011	

Description						Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf	Waterhemp	Waterhemp	Waterhemp
Rating Date						06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09	06-25-09
Rating Type						Control	Density	Control	Control	Control	Control	Control
Rating Unit						Percent	m2 RunCH	Percent	Percent	Percent	Percent	Percent
Days After First/Last Applic.						35 8	35 8	41 14	82 55	12 12	27 27	35 8
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
1	Nontreated Check					0.0 g	0.0 a	0.0 d	0.0 e	0.0 d	0.0 e	0.0 d
2	Samson	12 oz/a		POST	B	83.5 bc	3.0 a	87.7 a	99.0 a			88.0 ab
	AMS	8.5 lb/100 gal		POST	B							
	Clarity	6.65 oz/a		POST	B							
3	Samson	12 oz/a		POST	B	50.0 ef	2.0 a	30.0 c	91.3 ab	100.0 a	50.0 cd	91.3 ab
	atrazine	15.9 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
4	Samson	12 oz/a		POST	B	82.5 bcd	1.5 a	96.0 a	99.0 a			88.3 ab
	atrazine	15.9 oz/a		POST	B							
	Clarity	6.65 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
5	Dual II Magnum	1.4 pt/a		PRE	A	80.0 cd	1.7 a	85.0 a	99.0 a	98.0 ab	80.0 ab	99.0 a
	Samson	12 oz/a		POST	B							
	Clarity	6.65 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
6	Dual II Magnum	1.4 pt/a		PRE	A	71.7 d	2.0 a	56.7 b	89.7 ab	96.0 b	87.5 a	94.0 a
	Samson	12 oz/a		POST	B							
	atrazine	15.9 oz/a		POST	B							
	COC	1 % v/v		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
7	Dual II Magnum	1.4 pt/a		PRE	A	93.0 ab	1.0 a	92.5 a	99.0 a	99.0 ab	83.3 a	96.7 a
	Samson	12 oz/a		POST	B							
	atrazine	15.9 oz/a		POST	B							
	Clarity	6.65 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
8	atrazine	15.9 oz/a		PRE	A	60.0 e	1.7 a	33.3 c	84.7 b	98.3 ab	30.0 d	78.3 bc
	Samson	12 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
9	atrazine	15.9 oz/a		PRE	A	40.0 f	1.7 a	26.7 c	55.0 d	92.5 c	60.0 bc	66.7 c
	Accent	0.66667 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
10	atrazine	15.9 oz/a		PRE	A	50.0 ef	1.0 a	40.0 bc	68.3 c	99.3 a	56.7 c	63.3 c
	Option	1.5 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
11	Dual II Magnum	1.4 pt/a		PRE	A	99.0 a	2.7 a	99.0 a	99.0 a	99.3 a	86.7 a	99.0 a
	Roundup WeatherMAX	22 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							

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Description					Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf	Waterhemp	Waterhemp	Waterhemp	
Rating Date					06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09	06-25-09	
Rating Type					Control	Density	Control	Control	Control	Control	Control	
Rating Unit					Percent	m2 RunCH	Percent	Percent	Percent	Percent	Percent	
Days After First/Last Applic.					35 8	35 8	41 14	82 55	12 12	27 27	35 8	
Trt-Eval Interval												
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
12	Samson	12 oz/a		POST	B	97.7 a	1.3 a	99.0 a	99.0 a			99.0 a
	Roundup WeatherMAX	22 oz/a		POST	B							
	AMS	8.5 lb/100 gal		POST	B							
LSD (P=.05)					10.90	1.64	17.26	11.23	3.27	21.85	15.51	
Standard Deviation					6.33	0.95	9.92	6.61	1.84	12.01	9.16	
CV					9.4	58.68	15.96	8.07	2.11	20.24	11.41	
Grand Mean					67.28	1.63	62.15	81.92	86.94	59.35	80.31	
Bartlett's X2					3.634	5.692	10.705	1.058	8.734	4.885	15.32	
P(Bartlett's X2)					0.603	0.576	0.098	0.901	0.189	0.43	0.032*	
Replicate F					0.103	1.306	1.015	0.571	1.788	0.762	0.628	
Replicate Prob(F)					0.9029	0.2968	0.3862	0.5732	0.2090	0.4919	0.5431	
Treatment F					62.634	2.035	37.324	59.393	950.959	18.246	28.190	
Treatment Prob(F)					0.0001	0.0911	0.0001	0.0001	0.0001	0.0001	0.0001	

Description						Waterhemp	Waterhemp	Waterhemp
Rating Date						06-25-09	07-01-09	08-11-09
Rating Type						Density	Control	Control
Rating Unit						m ² RunCH	Percent	Percent
Days After First/Last Applic.						35 8	41 14	82 55
Trt-Eval Interval								
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	Appl Code	22	23	24
1	Nontreated Check					0.0 c	0.0 f	0.0 e
2	Samson	12 oz/a		POST	B	6.0 ab	90.0 abc	90.0 ab
	AMS	8.5 lb/100 gal		POST	B			
	Clarity	6.65 oz/a		POST	B			
3	Samson	12 oz/a		POST	B	5.0 ab	76.7 bcd	86.7 b
	atrazine	15.9 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
4	Samson	12 oz/a		POST	B	3.7 bc	95.0 ab	97.7 a
	atrazine	15.9 oz/a		POST	B			
	Clarity	6.65 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
5	Dual II Magnum	1.4 pt/a		PRE	A	3.7 bc	98.7 ab	99.0 a
	Samson	12 oz/a		POST	B			
	Clarity	6.65 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
6	Dual II Magnum	1.4 pt/a		PRE	A	4.7 ab	93.7 ab	98.3 a
	Samson	12 oz/a		POST	B			
	atrazine	15.9 oz/a		POST	B			
	COC	1 % v/v		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
7	Dual II Magnum	1.4 pt/a		PRE	A	3.0 bc	98.7 ab	99.0 a
	Samson	12 oz/a		POST	B			
	atrazine	15.9 oz/a		POST	B			
	Clarity	6.65 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
8	atrazine	15.9 oz/a		PRE	A	8.3 a	56.7 de	75.0 c
	Samson	12 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
9	atrazine	15.9 oz/a		PRE	A	7.3 ab	48.3 e	65.0 d
	Accent	0.66667 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
10	atrazine	15.9 oz/a		PRE	A	4.0 abc	68.0 cde	68.3 cd
	Option	1.5 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			
11	Dual II Magnum	1.4 pt/a		PRE	A	8.3 a	99.0 a	99.0 a
	Roundup WeatherMAX	22 oz/a		POST	B			
	AMS	8.5 lb/100 gal		POST	B			

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Description					Waterhemp	Waterhemp	Waterhemp	
Rating Date					06-25-09	07-01-09	08-11-09	
Rating Type					Density	Control	Control	
Rating Unit					m2 RunCH	Percent	Percent	
Days After First/Last Applic.					35 8	41 14	82 55	
Trt-Eval Interval								
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	Appl Code	22	23	24
12	Samson	12	oz/a	POST	B	4.0 abc	99.0 a	98.3 a
	Roundup WeatherMAX	22	oz/a	POST	B			
	AMS	8.5	lb/100 gal	POST	B			
LSD (P=.05)					4.40	22.08	9.47	
Standard Deviation					2.60	13.04	5.57	
CV					53.81	16.94	6.85	
Grand Mean					4.83	76.97	81.36	
Bartlett's X2					16.363	33.959	15.44	
P(Bartlett's X2)					0.09	0.001*	0.031*	
Replicate F					8.512	0.152	2.364	
Replicate Prob(F)					0.0018	0.8598	0.1186	
Treatment F					2.540	15.918	78.790	
Treatment Prob(F)					0.0302	0.0001	0.0001	

Northeast Research & Extension Center

2009 SL-950 Corn University Study on Samson nicosulfuron

Trial ID: 09-CRRL-10 Samson Post Protocol ID: 09-CRRL-10 Samson Post
Location: Concord, NE Study Director:
Project ID: 09-US-H-CG246 Investigator: Stevan Knezevic
Sponsor Contact:

Rating Unit

% = percent

Percent = percent

Northeast Research & Extension Center

2009 SL-950 Corn University Study on Samson nicosulfuron

Trial ID: 09-CRLL-10 Samson Post Protocol ID: 09-CRLL-10 Samson Post
 Location: Concord, NE Study Director:
 Project ID: 09-US-H-CG246 Investigator: Stevan Knezevic
 Sponsor Contact:

Description						Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Green foxtail	
Rating Date						11-12-09	11-12-09	06-02-09	06-17-09	06-25-09	07-01-09	06-02-09	
Rating Type						Yield@15.5%	Moisture	Injury	Injury	Injury	Injury	Control	
Rating Unit						bu/A	%	Percent	Percent	Percent	Percent	Percent	
Days After First/Last Applic.						175 148	175 148	12 12	27 27	35 8	41 14	12 12	
Trt-Eval Interval						175 DA-A	175 DA-A						
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6	7
1	Nontreated Check					101	108.620	18.340		0.0	0.0	0.0	
						210	124.850	18.360	0.0	0.0	0.0	0.0	0.0
						302	136.050	16.820	0.0	0.0	0.0	0.0	0.0
						Mean =	123.173	17.840	0.0	0.0	0.0	0.0	0.0
2	Samson	12 oz/a		POST	B	102	190.820	16.850			5.0	2.0	
	AMS	8.5 lb/100 gal		POST	B	201	187.990	17.000			8.0	3.0	
	Clarity	6.65 oz/a		POST	B	304	181.990	16.480			4.0	0.0	
						Mean =	186.933	16.777			5.7	1.7	
3	Samson	12 oz/a		POST	B	103	186.460	17.060			0.0	0.0	
	atrazine	15.9 oz/a		POST	B	208	193.590	17.000			0.0	0.0	
	AMS	8.5 lb/100 gal		POST	B	303	198.280	17.270	0.0	0.0	0.0	0.0	0.0
						Mean =	192.777	17.110	0.0	0.0	0.0	0.0	0.0
4	Samson	12 oz/a		POST	B	104	188.500	16.910			3.0	2.0	
	atrazine	15.9 oz/a		POST	B	207	183.740	16.630			7.0	5.0	
	Clarity	6.65 oz/a		POST	B	311	169.940	16.300			5.0	2.0	
	AMS	8.5 lb/100 gal		POST	B								
						Mean =	180.727	16.613			5.0	3.0	
5	Dual II Magnum	1.4 pt/a		PRE	A	105	193.810	17.180	0.0	0.0	5.0	2.0	0.0
	Samson	12 oz/a		POST	B	203	185.780	16.800	0.0		6.0	4.0	0.0
	Clarity	6.65 oz/a		POST	B	309	170.790	16.200	0.0	0.0	3.0	2.0	0.0
	AMS	8.5 lb/100 gal		POST	B								
						Mean =	183.460	16.727	0.0	0.0	4.7	2.7	0.0
6	Dual II Magnum	1.4 pt/a		PRE	A	106	213.610	17.030	0.0	0.0	0.0	2.0	0.0
	Samson	12 oz/a		POST	B	202	204.280	16.820	0.0		0.0	0.0	0.0
	atrazine	15.9 oz/a		POST	B	301	194.890	17.050	0.0	0.0	0.0	0.0	0.0
	COC	1 % v/v		POST	B								
	AMS	8.5 lb/100 gal		POST	B								
						Mean =	204.260	16.967	0.0	0.0	0.0	0.7	0.0
7	Dual II Magnum	1.4 pt/a		PRE	A	107	184.990	16.560	0.0	0.0	4.0	3.0	0.0
	Samson	12 oz/a		POST	B	205	187.190	17.060	0.0	0.0	4.0	2.0	0.0
	atrazine	15.9 oz/a		POST	B	307	180.630	16.340	0.0	0.0	3.0	3.0	0.0
	Clarity	6.65 oz/a		POST	B								
	AMS	8.5 lb/100 gal		POST	B								
						Mean =	184.270	16.653	0.0	0.0	3.7	2.7	0.0
8	atrazine	15.9 oz/a		PRE	A	108	200.490	17.740	0.0	0.0	0.0	0.0	0.0
	Samson	12 oz/a		POST	B	212	195.570	17.360	0.0	0.0	0.0	0.0	0.0
	AMS	8.5 lb/100 gal		POST	B	305	186.460	16.760	0.0		0.0	0.0	0.0
						Mean =	194.173	17.287	0.0	0.0	0.0	0.0	0.0

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Description						Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Corn, field	Green foxtail	
Rating Date						11-12-09	11-12-09	06-02-09	06-17-09	06-25-09	07-01-09	06-02-09	
Rating Type						Yield@15.5%	Moisture	Injury	Injury	Injury	Injury	Control	
Rating Unit						bu/A	%	Percent	Percent	Percent	Percent	Percent	
Days After First/Last Applic.						175 148	175 148	12 12	27 27	35 8	41 14	12 12	
Trt-Eval Interval						175 DA-A	175 DA-A						
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	1	2	3	4	5	6	7
9	atrazine	15.9	oz/a	PRE	A	109	186.860	16.760	0.0	0.0	0.0	0.0	0.0
	Accent	0.66667	oz/a	POST	B	211	168.300	16.530	0.0	0.0	0.0	0.0	0.0
	AMS	8.5	lb/100 gal	POST	B	306	168.130	16.440			0.0	0.0	
	Mean =						174.430	16.577	0.0	0.0	0.0	0.0	0.0
10	atrazine	15.9	oz/a	PRE	A	110	149.010	18.220	0.0	0.0	0.0	0.0	0.0
	Option	1.5	oz/a	POST	B	204	169.370	16.440	0.0	0.0	0.0	0.0	0.0
	AMS	8.5	lb/100 gal	POST	B	310	156.310	17.730	0.0	0.0	0.0	0.0	0.0
	Mean =						158.230	17.463	0.0	0.0	0.0	0.0	0.0
11	Dual II Magnum	1.4	pt/a	PRE	A	111	192.000	17.870	0.0	0.0	0.0	0.0	0.0
	Roundup WeatherMAX	22	oz/a	POST	B	209	184.990	16.760	0.0	0.0	0.0	0.0	0.0
	AMS	8.5	lb/100 gal	POST	B	308	180.690	16.900	0.0	0.0	0.0	0.0	0.0
	Mean =						185.893	17.177	0.0	0.0	0.0	0.0	0.0
12	Samson	12	oz/a	POST	B	112	191.440	17.990			0.0	0.0	
	Roundup WeatherMAX	22	oz/a	POST	B	206	184.540	16.570			0.0	0.0	
	AMS	8.5	lb/100 gal	POST	B	312	183.630	17.130			0.0	0.0	
	Mean =						186.537	17.230	.	.	0.0	0.0	.

Description							Green foxtail	Green foxtail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf
Rating Date							06-17-09	06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09
Rating Type							Control	Control	Density	Control	Control	Control	Control
Rating Unit							Percent	Percent	m2 RunCH	Percent	Percent	Percent	Percent
Days After First/Last Applic.							27 27	35 8	35 8	41 14	82 55	12 12	27 27
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	8	9	10	11	12	13	14
1	Nontreated Check					101	0.0	0.0	0.0	0.0	0.0		0.0
						210	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						302	0.0	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	0.0
2	Samson	12 oz/a		POST	B	102		96.0	40.0	98.0	99.0		
	AMS	8.5 lb/100 gal		POST	B	201		97.0	25.0	98.0	99.0		
	Clarity	6.65 oz/a		POST	B	304		98.0	40.0	97.0	96.0		
						Mean =		97.0	35.0	97.7	98.0		
3	Samson	12 oz/a		POST	B	103		95.0	30.0	96.0	99.0		
	atrazine	15.9 oz/a		POST	B	208		93.0	25.0	95.0	99.0		
	AMS	8.5 lb/100 gal		POST	B	303	20.0	96.0	50.0	97.0	99.0	92.0	50.0
						Mean =	20.0	94.7	35.0	96.0	99.0	92.0	50.0
4	Samson	12 oz/a		POST	B	104		90.0	40.0	95.0	99.0		
	atrazine	15.9 oz/a		POST	B	207		96.0	30.0	98.0	96.0		
	Clarity	6.65 oz/a		POST	B	311		94.0	25.0	95.0	98.0		
	AMS	8.5 lb/100 gal		POST	B								
						Mean =		93.3	31.7	96.0	97.7		
5	Dual II Magnum	1.4 pt/a		PRE	A	105	85.0	96.0	50.0	98.0	99.0	20.0	40.0
	Samson	12 oz/a		POST	B	203		99.0	20.0	99.0	99.0	30.0	
	Clarity	6.65 oz/a		POST	B	309	95.0	99.0	20.0	99.0	99.0	60.0	45.0
	AMS	8.5 lb/100 gal		POST	B								
						Mean =	90.0	98.0	30.0	98.7	99.0	36.7	42.5
6	Dual II Magnum	1.4 pt/a		PRE	A	106	90.0	97.0	40.0	97.0	99.0	20.0	20.0
	Samson	12 oz/a		POST	B	202		99.0	20.0	98.0	99.0	25.0	
	atrazine	15.9 oz/a		POST	B	301	98.0	97.0	40.0	98.0	99.0	10.0	15.0
	COC	1 % v/v		POST	B								
	AMS	8.5 lb/100 gal		POST	B								
						Mean =	94.0	97.7	33.3	97.7	99.0	18.3	17.5
7	Dual II Magnum	1.4 pt/a		PRE	A	107	70.0	95.0	25.0	96.0	97.0	40.0	30.0
	Samson	12 oz/a		POST	B	205	92.0	98.0	30.0	98.0	99.0	50.0	50.0
	atrazine	15.9 oz/a		POST	B	307	92.0	99.0	30.0	98.0	99.0	30.0	30.0
	Clarity	6.65 oz/a		POST	B								
	AMS	8.5 lb/100 gal		POST	B								
						Mean =	84.7	97.3	28.3	97.3	98.3	40.0	36.7
8	atrazine	15.9 oz/a		PRE	A	108	20.0	92.0	20.0	96.0	99.0	90.0	30.0
	Samson	12 oz/a		POST	B	212	20.0	96.0	35.0	95.0	97.0	30.0	20.0
	AMS	8.5 lb/100 gal		POST	B	305		97.0	20.0	96.0	97.0	60.0	
						Mean =	20.0	95.0	25.0	95.7	97.7	60.0	25.0

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Description							Green foxtail	Green foxtail	Green foxtail	Green foxtail	Green foxtail	Velvetleaf	Velvetleaf
Rating Date							06-17-09	06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09
Rating Type							Control	Control	Density	Control	Control	Control	Control
Rating Unit							Percent	Percent	m2 RunCH	Percent	Percent	Percent	Percent
Days After First/Last Applic.							27 27	35 8	35 8	41 14	82 55	12 12	27 27
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	8	9	10	11	12	13	14
9	atrazine	15.9	oz/a	PRE	A	109	30.0	65.0	25.0	60.0	70.0	85.0	20.0
	Accent	0.66667	oz/a	POST	B	211	25.0	60.0	50.0	60.0	60.0	50.0	50.0
	AMS	8.5	lb/100 gal	POST	B	306		45.0	30.0	50.0			
						Mean =	27.5	56.7	35.0	56.7	65.0	67.5	35.0
10	atrazine	15.9	oz/a	PRE	A	110	10.0	50.0	50.0	40.0	50.0	99.0	25.0
	Option	1.5	oz/a	POST	B	204	20.0	50.0	25.0	45.0	50.0	99.0	50.0
	AMS	8.5	lb/100 gal	POST	B	310	25.0	40.0	40.0	30.0	50.0	99.0	40.0
						Mean =	18.3	46.7	38.3	38.3	50.0	99.0	38.3
11	Dual II Magnum	1.4	pt/a	PRE	A	111	92.0	99.0	50.0	99.0	99.0	50.0	50.0
	Roundup WeatherMAX	22	oz/a	POST	B	209	90.0	99.0	45.0	99.0	99.0	45.0	50.0
	AMS	8.5	lb/100 gal	POST	B	308	95.0	99.0	15.0	99.0	99.0	30.0	50.0
						Mean =	92.3	99.0	36.7	99.0	99.0	41.7	50.0
12	Samson	12	oz/a	POST	B	112		99.0	30.0	99.0	99.0		
	Roundup WeatherMAX	22	oz/a	POST	B	206		99.0	25.0	99.0	99.0		
	AMS	8.5	lb/100 gal	POST	B	312		99.0	10.0	99.0	99.0		
						Mean =	.	99.0	21.7	99.0	99.0	.	.

Description							Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf	Waterhemp	Waterhemp	Waterhemp					
Rating Date							06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09	06-25-09					
Rating Type							Control	Density	Control	Control	Control	Control	Control					
Rating Unit							Percent	m2 RunCH	Percent	Percent	Percent	Percent	Percent					
Days After First/Last Applic.							35	8	41	14	82	55	12	12	27	27	35	8
Trt-Eval Interval																		
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	15	16	17	18	19	20	21					
1	Nontreated Check					101	0.0	0.0		0.0		0.0	0.0					
						210	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
						302	0.0	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	0.0					
2	Samson	12 oz/a		POST	B	102	92.0	2.0	85.0	99.0			94.0					
	AMS	8.5 lb/100 gal		POST	B	201	75.0	4.0	88.0	99.0			85.0					
	Clarity	6.65 oz/a		POST	B	304			90.0	99.0			85.0					
						Mean =	83.5	3.0	87.7	99.0			88.0					
3	Samson	12 oz/a		POST	B	103				80.0			85.0					
	atrazine	15.9 oz/a		POST	B	208				99.0			90.0					
	AMS	8.5 lb/100 gal		POST	B	303	50.0	2.0	30.0	95.0	100.0	50.0	99.0					
						Mean =	50.0	2.0	30.0	91.3	100.0	50.0	91.3					
4	Samson	12 oz/a		POST	B	104	75.0	2.0		99.0			85.0					
	atrazine	15.9 oz/a		POST	B	207	90.0	1.0	96.0	99.0			90.0					
	Clarity	6.65 oz/a		POST	B	311				99.0			90.0					
	AMS	8.5 lb/100 gal		POST	B													
						Mean =	82.5	1.5	96.0	99.0			88.3					
5	Dual II Magnum	1.4 pt/a		PRE	A	105	80.0	2.0	95.0	99.0	99.0	80.0	99.0					
	Samson	12 oz/a		POST	B	203	80.0	2.0	75.0	99.0	95.0		99.0					
	Clarity	6.65 oz/a		POST	B	309	80.0	1.0	85.0	99.0	100.0	80.0	99.0					
	AMS	8.5 lb/100 gal		POST	B													
						Mean =	80.0	1.7	85.0	99.0	98.0	80.0	99.0					
6	Dual II Magnum	1.4 pt/a		PRE	A	106	80.0	2.0	75.0	99.0	95.0	95.0	98.0					
	Samson	12 oz/a		POST	B	202	70.0	3.0	50.0	90.0	95.0		99.0					
	atrazine	15.9 oz/a		POST	B	301	65.0	1.0	45.0	80.0	98.0	80.0	85.0					
	COC	1 % v/v		POST	B													
	AMS	8.5 lb/100 gal		POST	B													
						Mean =	71.7	2.0	56.7	89.7	96.0	87.5	94.0					
7	Dual II Magnum	1.4 pt/a		PRE	A	107	85.0	1.0	95.0	99.0	99.0	90.0	95.0					
	Samson	12 oz/a		POST	B	205	95.0	1.0	90.0	99.0	98.0	90.0	96.0					
	atrazine	15.9 oz/a		POST	B	307	99.0	1.0		99.0	100.0	70.0	99.0					
	Clarity	6.65 oz/a		POST	B													
	AMS	8.5 lb/100 gal		POST	B													
						Mean =	93.0	1.0	92.5	99.0	99.0	83.3	96.7					
8	atrazine	15.9 oz/a		PRE	A	108	60.0	3.0	30.0	85.0	100.0	40.0	90.0					
	Samson	12 oz/a		POST	B	212	60.0	1.0	40.0	70.0	95.0	20.0	65.0					
	AMS	8.5 lb/100 gal		POST	B	305	60.0	1.0	30.0	99.0	100.0		80.0					
						Mean =	60.0	1.7	33.3	84.7	98.3	30.0	78.3					

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Description						Velvetleaf	Velvetleaf	Velvetleaf	Velvetleaf	Waterhemp	Waterhemp	Waterhemp			
Rating Date						06-25-09	06-25-09	07-01-09	08-11-09	06-02-09	06-17-09	06-25-09			
Rating Type						Control	Density	Control	Control	Control	Control	Control			
Rating Unit						Percent	m2 RunCH	Percent	Percent	Percent	Percent	Percent			
Days After First/Last Applic.						35	8	41	14	12	12	27	27	35	8
Trt-Eval Interval															
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	15	16	17	18	19	20	21		
9	atrazine	15.9	oz/a	PRE	A	109	30.0	2.0	20.0	60.0	90.0	50.0	70.0		
	Accent	0.66667	oz/a	POST	B	211	50.0	1.0	30.0	50.0	95.0	70.0	70.0		
	AMS	8.5	lb/100 gal	POST	B	306	40.0	2.0	30.0				60.0		
						Mean =	40.0	1.7	26.7	55.0	92.5	60.0	66.7		
10	atrazine	15.9	oz/a	PRE	A	110	50.0	1.0	60.0	75.0	99.0	40.0	60.0		
	Option	1.5	oz/a	POST	B	204				60.0	99.0	80.0	90.0		
	AMS	8.5	lb/100 gal	POST	B	310	50.0	1.0	20.0	70.0	100.0	50.0	40.0		
						Mean =	50.0	1.0	40.0	68.3	99.3	56.7	63.3		
11	Dual II Magnum	1.4	pt/a	PRE	A	111	99.0	2.0	99.0	99.0	99.0	85.0	99.0		
	Roundup WeatherMAX	22	oz/a	POST	B	209	99.0	5.0	99.0	99.0	99.0	90.0	99.0		
	AMS	8.5	lb/100 gal	POST	B	308	99.0	1.0	99.0	99.0	100.0	85.0	99.0		
						Mean =	99.0	2.7	99.0	99.0	99.3	86.7	99.0		
12	Samson	12	oz/a	POST	B	112	99.0	1.0	99.0	99.0			99.0		
	Roundup WeatherMAX	22	oz/a	POST	B	206	95.0	2.0	99.0	99.0			99.0		
	AMS	8.5	lb/100 gal	POST	B	312	99.0	1.0	99.0	99.0			99.0		
						Mean =	97.7	1.3	99.0	99.0	.	.	99.0		

Description							Waterhemp	Waterhemp	Waterhemp
Rating Date							06-25-09	07-01-09	08-11-09
Rating Type							Density	Control	Control
Rating Unit							m ² RunCH	Percent	Percent
Days After First/Last Applic.							35 8	41 14	82 55
Trt-Eval Interval									
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	22	23	24
1	Nontreated Check					101	0.0	0.0	0.0
						210	0.0	0.0	0.0
						302	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0
2	Samson	12 oz/a		POST	B	102	10.0	90.0	85.0
	AMS	8.5 lb/100 gal		POST	B	201	6.0	85.0	90.0
	Clarity	6.65 oz/a		POST	B	304	2.0	95.0	95.0
						Mean =	6.0	90.0	90.0
3	Samson	12 oz/a		POST	B	103	6.0	65.0	70.0
	atrazine	15.9 oz/a		POST	B	208	5.0	70.0	95.0
	AMS	8.5 lb/100 gal		POST	B	303	4.0	95.0	95.0
						Mean =	5.0	76.7	86.7
4	Samson	12 oz/a		POST	B	104	6.0	90.0	95.0
	atrazine	15.9 oz/a		POST	B	207	3.0	96.0	99.0
	Clarity	6.65 oz/a		POST	B	311	2.0	99.0	99.0
	AMS	8.5 lb/100 gal		POST	B				
						Mean =	3.7	95.0	97.7
5	Dual II Magnum	1.4 pt/a		PRE	A	105	4.0	98.0	99.0
	Samson	12 oz/a		POST	B	203	5.0	99.0	99.0
	Clarity	6.65 oz/a		POST	B	309	2.0	99.0	99.0
	AMS	8.5 lb/100 gal		POST	B				
						Mean =	3.7	98.7	99.0
6	Dual II Magnum	1.4 pt/a		PRE	A	106	5.0	90.0	97.0
	Samson	12 oz/a		POST	B	202	4.0	92.0	99.0
	atrazine	15.9 oz/a		POST	B	301	5.0	99.0	99.0
	COC	1 % v/v		POST	B				
	AMS	8.5 lb/100 gal		POST	B				
						Mean =	4.7	93.7	98.3
7	Dual II Magnum	1.4 pt/a		PRE	A	107	5.0	98.0	99.0
	Samson	12 oz/a		POST	B	205	3.0	99.0	99.0
	atrazine	15.9 oz/a		POST	B	307	1.0	99.0	99.0
	Clarity	6.65 oz/a		POST	B				
	AMS	8.5 lb/100 gal		POST	B				
						Mean =	3.0	98.7	99.0
8	atrazine	15.9 oz/a		PRE	A	108	15.0	60.0	70.0
	Samson	12 oz/a		POST	B	212	8.0	50.0	70.0
	AMS	8.5 lb/100 gal		POST	B	305	2.0	60.0	85.0
						Mean =	8.3	56.7	75.0

Northeast Research & Extension Center

Description							Waterhemp	Waterhemp	Waterhemp
Rating Date							06-25-09	07-01-09	08-11-09
Rating Type							Density	Control	Control
Rating Unit							m ² RunCH	Percent	Percent
Days After First/Last Applic.							35 8	41 14	82 55
Trt-Eval Interval									
Trt No.	Treatment Name	Rate	Unit	Growth Stage	Appl Code	Plot	22	23	24
9	atrazine	15.9	oz/a	PRE	A	109	10.0	65.0	70.0
	Accent	0.66667	oz/a	POST	B	211	10.0	50.0	60.0
	AMS	8.5	lb/100 gal	POST	B	306	2.0	30.0	
	Mean =							7.3	48.3
10	atrazine	15.9	oz/a	PRE	A	110	5.0	75.0	70.0
	Option	1.5	oz/a	POST	B	204	5.0	99.0	60.0
	AMS	8.5	lb/100 gal	POST	B	310	2.0	30.0	75.0
	Mean =							4.0	68.0
11	Dual II Magnum	1.4	pt/a	PRE	A	111	6.0	99.0	99.0
	Roundup WeatherMAX	22	oz/a	POST	B	209	15.0	99.0	99.0
	AMS	8.5	lb/100 gal	POST	B	308	4.0	99.0	99.0
	Mean =							8.3	99.0
12	Samson	12	oz/a	POST	B	112	5.0	99.0	97.0
	Roundup WeatherMAX	22	oz/a	POST	B	206	5.0	99.0	99.0
	AMS	8.5	lb/100 gal	POST	B	312	2.0	99.0	99.0
	Mean =							4.0	99.0

Northeast Research & Extension Center

2009 SL-950 Corn University Study on Samson nicosulfuron

Trial ID: 09-CRRL-10 Samson Post Protocol ID: 09-CRRL-10 Samson Post
Location: Concord, NE Study Director:
Project ID: 09-US-H-CG246 Investigator: Stevan Knezevic
Sponsor Contact:

Rating Unit

% = percent

Percent = percent