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Country: UNITED STATES OF AMERICA Region: NJ Trial Use: Normal
 Discipline: HERBICIDE Sequence: 026 Year: 2006
 Trial Id.: USNJ0H0262006 Protocol Id.: HTCC0014-2006US Revision Date: Mar07
 Master Protocol Id.:

Trial Origin: IN-HOUSE TRIAL (SYNGENTA) Licensee: Steve Mroczkiewicz GEP: N

 Title: Fusilade: Volunteer GT Corn Control in Soybeans

SITE AND DESIGN

Plot Width: 10 Unit: FT Plot Length: 30 Unit: FT Plot Area: 300.0 Unit: FT2 No Reps: 4 No Treats: 18

 Site Description Event Date: 1/May/2006 Study Design: RACOBL

Trial Location: Lafayette Farm/Station Name: Throckmorton PAC
 County: Tippecanoe Farm Manager: Jay Young
 State/Province: IN Street: 8343 US 231 South
 Postal Code: 47909 City+State/Prov: Lafayette, IN
 Cooperator Name: Bill Johnson Postal Code: 47909-9049
 Coop. Trial ID: 06S-THP-CTC-24 Country: UNITED STATES OF AMERICA
 Phone Number: 765-538-3422
 Fertility Level: GOOD Distance to Weather Station: 0.5 Unit: MI
 Soil Texture: SILT Closest Weather Station: Located on site
 Soil Drainage: GOOD
 Tillage Type: CONVENTIONAL-TILL
 Comment: Located in block 4B

SITE USAGE

No.	Site Type
1.	

No.	Trial Number	COUNTRY	REGION	USE	DISCIPLINE	SEQUENCE	YEAR
1.							

No.	Date or	Month	Year	TYPE	Rate	Unit
1.						

No.	Previous Maint. No.	Previous Product [DSP]	Form Type	Form Conc	Unit	Form Variety	Rate	Unit
1.								

No.	Date or	Month	Year	Previous Crop/Pest	Previous Crop/Pest Variety	Cultural Condition
1.				ZEA MAYS		

GENERAL TRIAL INFORMATION

Initiation Date: 27/Apr/2006 Protocol Id. : HTCC0014-2006US
 Title: Fusilade: Volunteer GT Corn Control in Soybeans Investigator: Steve Mroczkiewicz
 Local Protocol Responsibility: Craig Nichols

No.	SYPOS Project	SYPOS Task
1.		

TRIAL STATUS

1. Date: 27/Apr/2006 TRIAL STATUS: ESTABLISHED
 Comment: Generated by ARM

SEED DESCRIPTION

1. Date: 8/May/2006 Area: Trial Crop: GLYCINE MAX Var: Asgrow 3305
 Comment: Volunteer Corn Variety: DKC60-18RR2YGPL

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CROP OCCURRENCE

	1.
Date:	8/May/2006
Area:	Trial
Crop:	SOYBEANS
Crop Code:	GLXMA
BBCH Scale:	BSOY
Variety:	Asgrow3305
Planting Date:	8/May/2006
PL. TYPE:	PLANTING OF SEEDS
Planting Depth Min, Max, Unit:	1.0 1.5 IN
Row Spacing, Unit:	30.0 IN
Planting Rate, Unit:	160000.0 S/A
Method:	DIRECT DRILLED

PEST OCCURRENCE

	1.	2.	3.
Date:	12/Jun/2006	12/Jun/2006	23/Jun/2006
Area:	Trial	Trial	Trial
Pest:	ZEA MAYS	SETARIA FABERI	AMBROSIA TRIFIDA
Pest Code:	ZEAMX	SETFA	AMBTR
Stage Scale:	BCOR	BGRM	BBCH
Variety:	DKC60-18RRII/YGPL		

CROP DEVELOPMENT

	1.	2.	3.
Date:	12/Jun/2006	23/Jun/2006	7/Jul/2006
Crop:	1 SOYBEANS	1 SOYBEANS	1 SOYBEANS
Crop Code:	GLXMA	GLXMA	GLXMA
BBCH Scale:	BSOY	BSOY	BSOY
Variety:	Asgrow3305	Asgrow3305	Asgrow3305
Dev. Stage Min, Max:	12 12	13 13	
Stand:	V2	V3	R1
Height Min, Max, Unit:	8.0	8.0 12.0 IN	4.0 12.0 IN

Tree/Crop Row Volume Information			
Height Total (m):		0.25	0.2

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	4.	5.
Date:	18/Jul/2006	6/Nov/2006
Crop:	1 SOYBEANS	1 SOYBEANS
Crop Code:	GLXMA	GLXMA
BCH Scale:	BSOY	BSOY
Variety:	Asgrow3305	Asgrow3305
Dev. Stage Min, Max:		99
Stand:	R2	
Height Min, Max, Unit:	16.0 IN	

Tree/Crop Row Volume Information		
Height Total (m):		

PEST DEVELOPMENT			
	1.	2.	3.
Date:	12/Jun/2006	12/Jun/2006	20/Jun/2006
Pest:	1 ZEA MAYS	2 SETARIA FABERI	1 ZEA MAYS
Pest Code:	ZEAMX	SETFA	ZEAMX
Stage Scale:	BCOR	BGRM	BCOR
Variety:	DKC60-18RRII/YGPL		DKC60-18RRII/YGPL
Density Min, Max:	5.0 10.0	50.0 200.0	5.0 10.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Stand:	V5-V6		V6-V7
Height Min, Max, Unit:	8.0 14.0 IN	1.0 8.0 IN	10.0 24.0 IN
		5.0	9.0
Tillers Min, Max:		1.0 3.0	0.0
	4.	5.	6.
Date:	20/Jun/2006	23/Jun/2006	23/Jun/2006
Pest:	2 SETARIA FABERI	3 AMBROSIA TRIFIDA	1 ZEA MAYS
Pest Code:	SETFA	AMBTR	ZEAMX
Stage Scale:	BGRM	BBCH	BCOR
Variety:			DKC60-18RRII/YGPL
Density Min, Max:	200.0	1.0 5.0	5.0 10.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Stand:			
Height Min, Max, Unit:	8.0 15.0 IN	24.0 42.0 IN	36.0 42.0 IN
	15.0		
Tillers Min, Max:	5.0 7.0		
	7.	8.	9.
Date:	23/Jun/2006	7/Jul/2006	7/Jul/2006
Pest:	2 SETARIA FABERI	1 ZEA MAYS	2 SETARIA FABERI
Pest Code:	SETFA	ZEAMX	SETFA
Stage Scale:	BGRM	BCOR	BGRM
Variety:		DKC60-18RRII/YGPL	
Density Min, Max:	400.0	5.0 10.0	400.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Stand:			
Height Min, Max, Unit:	24.0 IN	40.0 48.0 IN	32.0 40.0 IN
Tillers Min, Max:			
	10.	11.	12.
Date:	7/Jul/2006	18/Jul/2006	18/Jul/2006
Pest:	3 AMBROSIA TRIFIDA	1 ZEA MAYS	2 SETARIA FABERI
Pest Code:	AMBTR	ZEAMX	SETFA
Stage Scale:	BBCH	BCOR	BGRM
Variety:		DKC60-18RRII/YGPL	
Density Min, Max:	1.0 5.0	5.0 10.0	400.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Stand:			
Height Min, Max, Unit:	38.0 48.0 IN	48.0 84.0 IN	42.0 52.0 IN
Tillers Min, Max:			

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13.	
Date:	18/Jul/2006
Pest:	3 AMBROSIA TRIFIDA
Pest Code:	AMBTR
Stage Scale:	BBCH
Variety:	
Density Min, Max:	1.0 5.0
Unit:	PER SQUARE YARD
Stand:	
Height Min, Max, Unit:	42.0 60.0 IN
Tillers Min, Max:	

WEATHER DESCRIPTION					
1. Date:	12/Jun/2006	Air Temp. Min:	74.0	% Rel. Humidity Min:	65.0
Wind Velocity Min:	0.0	Max:	8.0	Unit:	MPH
Sky Condition:	Cloudy	Rain 24 Hours before:	LOW		
2. Date:	20/Jun/2006	Max:	85.0	Unit:	F
Wind Velocity Min:	0.0	Max:	2.0	Unit:	MPH
Sky Condition:	100% cloudy	Wind Direction:	NW		
		Rain 24 Hours before:	NONE		

No.	Date	Soil Temp.	Unit	Soil Moisture Condition	Comment
1.	12/Jun/2006	71.0	F	Damp	
2.	20/Jun/2006	84.0	F	DRY	

APPLICATION

	A	B
Application Date/Time:	12/Jun/2006 1:30 PM	20/Jun/2006 12:00 PM
Target (Crop):	1 GLXMA	2 GLXMA
Variety (Crop):	Asgrow3305	Asgrow3305
Development (Crop):	12 12	13 13
Weather:	1	2
Soil:	1	2
Equipment Name:	Backpack	Backpack
Application Equipment:	BACSPR	BACSPR
Pressure, Unit:	20 PSI	20 PSI
Nozzle Type:	FLAFAN	FLAFAN
Nozzle Description:	XR 11002	XR 11002
Nozzle Spacing, Unit:	15 IN	15 IN
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	15 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH
Nozzle Filter Mesh:	50	50
Spray Volume, Unit:	15.0 GPA	15.0 GPA
Mix Size, Unit:	1.8 L	1.8 L
Propellent:	COMCO2	COMCO2
Water Hardness:	288.0	288.0
Application Method:	NONINC	NONINC
Application Timing:	POSPOS	LAPOCR
Applic. Placement:	BROPOL	BROPOL

No.	Date/Time	Area	Type	Amount	Unit	Interval	Unit	Water Depth	Unit	Water Management	Water Leakage	Unit	Overall Soil Moisture Condition
1.													

No.	Date	Area	Laboratory Name	pH/KCL	pH/H2O	CEC	Soil Texture
1.	19/Feb/2004	Trial	A & L Great Lakes Laboratories	6.2	6.8	13.3	SILT

Comment: soil name is Toronto-Millbrook

Soil Component: % Organic Matter: 2.9

Soil Element: P: 34.0 PPM K: 124.0 PPM Ca: 1400.0 PPM Mg: 430.0 PPM

No.	Soil Analy. No.	Product	Quantity	Unit
1.				

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1. INOCULATION/INFESTATION

No.	Date	Area	TYPE	Rate	Unit	Comment
1.						

No.	Maint. No.	INGREDIENT TYPE	PRODUCT NAME [DSP]	Form Type	Form Conc	Form Unit	Form Variety	Batch/Lot Number	Rate	Unit
1.		@CO	28% UAN		28.0	%AW/W			477.0	LPR/HA

No.	Date	General Comments
1.	1/May/2006	Volunteer corn was broadcast spread and field cultivated in just prior to soybean planting.
2.	26/Jun/2006	Hail storm occurred around 5 pm that lasted about 20 minutes. Damage was severe with about 80-90% defoliation and minimal stem breakage. A picture of the damage is attached.
Code 1.		Crop Occurrence Comment
Code 1.		Pest Occurrence Comment
Code 1.		Crop Development Comment
Code 1.		Pest Development Comment
Code 1.		Comment
Code 1.		Comment

Area Name	Treatment Numbers in Area
1.	

INSTRUCTIONS

Sypos Task Number: Sales Support
 DM Contact: B. Pope
 Proposed Trials: Suggested States: 1-IA-Moses, 1-NRTC-Bruce, 1-IN-Mroczkiewicz, 1-MN-Miller, 1-WI-Sanborn, 1-OH-Brunns, 1-MO-Nichols, 1-KS-Nichols, 1-NE-Stamm
 Crops: SOYBEANS
 Targets: Volunteer Corn
 Primary Reviewers(2): Terrence Carmody
 No. Evaluations: 3

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 Objective Notes:
 =====
 1. Evaluate the control of volunteer corn with Fusilade vs SelectMax
 2. Compare treatments with and w/o 0.5% of COC.
 3. Obtain yield data.
 =====
 Trial Design Notes:
 =====
 Randomized complete block, 4 reps.

Prior to soybean planting a moderate to heavy uniform seeding of RR corn (shelled) should be made to the entire test area. A shallow tillage will be needed to aid in establishing the volunteer corn stand.
 =====
 Treatment Notes:
 =====
 Although entire treatment list is preferred if list must be cut drop the 6 oz rate of Fusilade (4 trts).
 If further cuts are necessary drop the late application timing.

Timing A (post) - volunteer corn 10-15"
 Timing B (late post) - volunteer corn 24"
 =====
 Assessment Notes:
 =====
 % control - 14 & 28 DAT

Yield - At harvest
 =====
 Reporting Notes:
 Date Data Required By: National Results Meeting
 =====
 =====
 Other Notes:

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Feedback Provided By:
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Assessment Tasks

*GRID_HEADING*No.	Timing ID	SE Name	SE Description	Part Assess	Assess Data Type	Assess Unit	Samples per 1 Collect.basis	Sample Unit	Coll. Basis	Basis Unit	Reporting Basis	Reporting Basis Unit	Asmt Type	Asmt Sub Type	Calc Type	Scale Type	Scale Min	Scale Max	Cat. Mult.	No. Subs.	Action Code	Trans. Code
1.																						

*GRID_HEADING*No.	Timing ID	Min Reps	Max Reps	Intv Min	Intv Max	Intv Unit	Start Date	Days After	End Date	PHI	Crop	Target	Timing From	Timing To	Timing Unit
1.															

No.	Task	Comment
1.		Trial Comments

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Trial Origin: IN-HOUSE TRIAL (SYNGENTA) Licensee: Steve Mroczkiewicz GEP: N

Title: Fusilade: Volunteer GT Corn Control in Soybeans

Assessment Date	23/Jun/2006	23/Jun/2006	23/Jun/2006	7/Jul/2006	7/Jul/2006	7/Jul/2006	18/Jul/2006	18/Jul/2006	18/Jul/2006	6/Nov/2006	6/Nov/2006								
Crop Code	2 GLXMA	2 GLXMA	2 GLXMA	3 GLXMA	3 GLXMA	3 GLXMA	4 GLXMA	4 GLXMA	4 GLXMA	5 GLXMA	5 GLXMA								
Crop Variety	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305								
Crop Development	13 13	13 13	13 13							99	99								
Pest Code	6 ZEAMX	7 SETFA	5 AMBTR	8 ZEAMX	9 SETFA	10 AMBTR	11 ZEAMX	12 SETFA	13 AMBTR										
Pest Variety	DKC60-18RRII/YGPL			DKC60-18RRII/YGPL			DKC60-18RRII/YGPL												
SE Group No.	1	1	1	2	2	2	3	3	3	4	5								
Assessment Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	YIELD	YIELD								
Assessment Unit	%	%	%	%	%	%	%	%	%	LB	BU								
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	YLD YLR								
ARM Action Codes											TY1								
Days After Planting	46DAP-1	46DAP-1	46DAP-1	60DAP-1	60DAP-1	60DAP-1	71DAP-1	71DAP-1	71DAP-1	182DAP-1	182DAP-1								
Days Application to Assessment	11 DA-A	11 DA-A	11 DA-A																
Days After Last Application	3	3	3	17	17	17	28	28	28	139	139								
No. Decimals Reported											1								
Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Converted Rate	Converted Rate Unit	Applic. Code	Applic. Timing	Plot	1	2	3	4	5	6	7	8	9	10	11
1	CHECK UNTREATED							101	0	0	0	0	0	0	0	0	0	4	12.9
								306	0	0	0	0	0	0	0	0	0	18	52.6
								508	0	0	0	0	0	0	0	0	0	20	58.2
								705	0	0	0	0	0	0	0	0	0	21	62.6
	Mean =							0	0	0	0	0	0	0	0	0	0	16	46.6
2	FUSILADE DX 2 EC (WF2486)	0.292	LPR/HA	4	FLOzPrt/A	A	POSPOS	102	75	100	100	98	98	98	95	85	98	14	39.7
	TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS	308	80	95	90	95	90	95	75	78	95	8	24.4
	AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	A	POSPOS	605	93	99	90	98	99	95	97	95	97	13	37.3
								701	88	99	85	98	99	98	97	99	98	20	58.7
	Mean =							84	98	91	97	97	97	97	91	89	97	14	40.0
3	FUSILADE DX 2 EC (WF2486)	0.44	LPR/HA	6	FLOzPrt/A	A	POSPOS	103	90	99	98	100	97	94	100	88	93	16	47.0
	TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS	304	90	98	95	99	92	95	98	83	97	16	47.0
	AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	A	POSPOS	609	93	99	90	98	99	100	95	97	95	19	54.3
								805	90	99	83	98	98	97	97	97	98	15	44.1
	Mean =							91	99	92	99	97	97	97	98	91	96	16	48.1
4	SELECT 2 EC	0.44	LPR/HA	6	FLOzPrt/A	A	POSPOS	104	50	93	98	50	95	98	40	83	93	12	35.5
	TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS	303	85	98	90	55	92	95	60	83	98	16	47.0
	AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	A	POSPOS	607	85	99	93	85	99	98	65	97	97	16	47.0
								703	80	99	75	85	100	85	80	99	88	15	42.9
	Mean =							75	97	89	89	69	97	94	61	91	94	15	43.1
5	FUSILADE DX 2 EC (WF2486)	0.292	LPR/HA	4	FLOzPrt/A	A	POSPOS	105	85	98	98	99	95	99	98	85	95	13	37.9
	TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS	301	85	95	99	99	90	98	98	80	98	16	46.4
	AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	A	POSPOS	606	90	99	78	92	99	95	88	95	95	12	34.1
	CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	A	POSPOS	809	83	99	90	90	99	95	88	99	98	18	51.7
	Mean =							86	98	91	95	95	96	97	93	90	97	14	42.5
6	FUSILADE DX 2 EC (WF2486)	0.44	LPR/HA	6	FLOzPrt/A	A	POSPOS	106	93	90	90	99	95	98	99	83	98	13	37.9
	TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS	409	85	95	95	100	95	95	98	85	95	15	45.2
	AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	A	POSPOS	502	97	98	80	100	97	97	100	90	98	6	16.7
	CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	A	POSPOS	704	90	99	85	98	100	92	98	98	90	15	42.9
	Mean =							91	96	88	99	97	96	99	89	95	12	35.7	
7	SELECT 2 EC	0.44	LPR/HA	6	FLOzPrt/A	A	POSPOS	107	88	95	96	100	96	97	100	85	98	12	34.1
	TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS	401	97	98	55	100	95	88	100	90	98	15	42.9
	AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	A	POSPOS	601	95	99	78	100	98	95	95	97	95	19	54.3
	CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	A	POSPOS	804	95	97	80	100	98	98	98	98	98	15	44.1
	Mean =							94	97	77	100	97	95	95	98	93	97	15	43.8

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Assessment Date	23/Jun/2006	23/Jun/2006	23/Jun/2006	7/Jul/2006	7/Jul/2006	7/Jul/2006	18/Jul/2006	18/Jul/2006	18/Jul/2006	6/Nov/2006	6/Nov/2006							
Crop Code	2 GLXMA	2 GLXMA	2 GLXMA	3 GLXMA	3 GLXMA	3 GLXMA	4 GLXMA	4 GLXMA	4 GLXMA	5 GLXMA	5 GLXMA							
Crop Variety	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305							
Crop Development	13 13	13 13	13 13															
Pest Code	6 ZEAMX	7 SETFA	5 AMBTR	8 ZEAMX	9 SETFA	10 AMBTR	11 ZEAMX	12 SETFA	13 AMBTR									
Pest Variety	DKC60-18RRII/YGPL			DKC60-18RRII/YGPL			DKC60-18RRII/YGPL											
SE Group No.	1	1	1	2	2	2	3	3	3	4	5							
Assessment Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	YIELD	YIELD							
Assessment Unit	%	%	%	%	%	%	%	%	%	LB	BU							
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	YLD YLR							
ARM Action Codes											TY1							
Days After Planting	46DAP-1	46DAP-1	46DAP-1	60DAP-1	60DAP-1	60DAP-1	71DAP-1	71DAP-1	71DAP-1	182DAP-1	182DAP-1							
Days Application to Assessment	11 DA-A	11 DA-A	11 DA-A															
Days After Last Application	3	3	3	17	17	17	28	28	28	139	139							
No. Decimals Reported											1							
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Converted Rate	Converted Rate Unit	Applic. Code	Applic. Timing	Plot	1	2	3	4	5	6	7	8	9	10	11
8 FUSILADE DX 2 EC (WF2486)	0.292	LPR/HA	4	FLOzPr/A	B	LAPOCR	108				92	100	98	98	97	95	12	34.1
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	B	LAPOCR	405				97	100	98	97	99	98	4	12.6
AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	B	LAPOCR	602				99	99	98	100	96	95	13	38.8
							807				92	99	100	96	99	98	11	31.7
Mean =											95	100	99	98	98	97	10	29.3
9 FUSILADE DX 2 EC (WF2486)	0.44	LPR/HA	6	FLOzPr/A	B	LAPOCR	109				95	99	98	99	97	97	13	37.3
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	B	LAPOCR	403				95	99	100	99	99	100	17	49.1
AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	B	LAPOCR	608				93	100	98	97	99	98	19	54.3
							709				92	100	98	97	99	98	20	58.7
Mean =											94	100	99	98	99	98	17	49.9
10 SELECT 2 EC	0.44	LPR/HA	6	FLOzPr/A	B	LAPOCR	201				95	98	100	99	99	99	13	37.3
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	B	LAPOCR	309				98	100	100	100	98	100	9	25.0
AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	B	LAPOCR	501				100	99	95	100	99	95	11	32.0
							708				93	100	100	97	99	99	15	44.9
Mean =											97	99	99	99	99	98	12	34.8
11 FUSILADE DX 2 EC (WF2486)	0.292	LPR/HA	4	FLOzPr/A	B	LAPOCR	202				95	100	98	97	99	98	19	56.1
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	B	LAPOCR	305				90	100	98	95	97	98	18	52.6
AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	B	LAPOCR	509				93	99	98	97	99	98	19	54.3
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR	802				92	100	90	97	99	95	16	48.2
Mean =											93	100	96	97	99	97	18	52.8
12 FUSILADE DX 2 EC (WF2486)	0.44	LPR/HA	6	FLOzPr/A	B	LAPOCR	203				95	100	100	99	99	98	19	56.1
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	B	LAPOCR	307				95	100	100	98	99	100	9	27.3
AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	B	LAPOCR	506				95	100	98	97	99	98	18	52.0
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR	707				95	99	97	97	99	99	14	42.0
Mean =											95	100	99	98	99	99	15	44.4
13 SELECT 2 EC	0.44	LPR/HA	6	FLOzPr/A	B	LAPOCR	204				95	100	98	99	99	98	15	43.8
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	B	LAPOCR	404				100	100	98	100	99	98	4	12.6
AMMONIUM SULFATE	1.0	%WV	8.5	LBPR/100GAL	B	LAPOCR	505				100	100	98	100	99	100	18	52.0
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR	806				97	100	95	99	99	98	11	31.7
Mean =											98	100	97	100	99	99	12	35.0
14 EXTREME 2.17 SL	912.0	GA/HA	3	PT/A	A	POSPOS	205	50	98	80	65	98	98	55	93	95	16	47.3
NIS	0.125	%V/V	0.125	%V/V	A	POSPOS	408	35	93	95	23	100	100	25	95	95	15	45.2
AMMONIUM SULFATE	1.0	%WV	1.0	%WV	A	POSPOS	507	30	99	95	45	100	98	35	99	98	20	58.2
							803	45	99	60	50	100	95	40	99	95	16	48.2
Mean =								40	97	83	46	100	98	39	97	96	17	49.7
15 TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	A	POSPOS	206	50	98	85	93	96	98	96	95	95	17	48.5
RAPTOR	44.0	GA/HA	5	FLOzPr/A	A	POSPOS	407	55	98	95	99	98	95	99	97	95	17	50.5
NIS	0.25	%V/V	0.25	%V/V	A	POSPOS	604	85	99	85	100	98	98	100	98	98	13	37.0
AMMONIUM SULFATE	1.0	%WV	1.0	%WV	A	POSPOS	801	65	99	80	96	100	93	96	99	98	12	35.5
Mean =								64	99	86	97	98	96	98	97	97	15	42.9
16 CLETHODIM	0.44	LPR/HA	6	FLOzPr/A	A	POSPOS	207	95	99	98	100	95	98	100	90	95	18	51.7
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	A	POSPOS	302	95	98	93	100	90	95	100	78	99	16	46.4
AMMONIUM SULFATE	1.0	%WV	1.0	%WV	A	POSPOS	503	90	98	80	100	96	100	100	83	95	17	48.8
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	A	POSPOS	706	95	99	80	100	98	90	98	99	90	21	62.6
Mean =								94	99	88	100	95	96	100	88	95	18	52.4

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Assessment Date		23/Jun/2006	23/Jun/2006	23/Jun/2006		7/Jul/2006	7/Jul/2006	7/Jul/2006		18/Jul/2006	18/Jul/2006	18/Jul/2006		6/Nov/2006	6/Nov/2006					
Crop Code		2 GLXMA	2 GLXMA	2 GLXMA		3 GLXMA	3 GLXMA	3 GLXMA		4 GLXMA	4 GLXMA	4 GLXMA		5 GLXMA	5 GLXMA					
Crop Variety		Asgrow3305	Asgrow3305	Asgrow3305		Asgrow3305	Asgrow3305	Asgrow3305		Asgrow3305	Asgrow3305	Asgrow3305		Asgrow3305	Asgrow3305					
Crop Development		13 13	13 13	13 13		13 13	13 13	13 13		13 13	13 13	13 13		99	99					
Pest Code		6 ZEAMX	7 SETFA	5 AMBTR		8 ZEAMX	9 SETFA	10 AMBTR		11 ZEAMX	12 SETFA	13 AMBTR								
Pest Variety		DKC60-18RRII/YGPL				DKC60-18RRII/YGPL				DKC60-18RRII/YGPL										
SE Group No.		1	1	1		2	2	2		3	3	3		4	5					
Assessment Data Type		CONTRO	CONTRO	CONTRO		CONTRO	CONTRO	CONTRO		CONTRO	CONTRO	CONTRO		YIELD	YIELD					
Assessment Unit		%	%	%		%	%	%		%	%	%		LB	BU					
Assessment Type, Sub-Type		NOR RAW	NOR RAW	NOR RAW		NOR RAW	NOR RAW	NOR RAW		NOR RAW	NOR RAW	NOR RAW		NOR RAW	YLD YLR					
ARM Action Codes															TY1					
Days After Planting		46DAP-1	46DAP-1	46DAP-1		60DAP-1	60DAP-1	60DAP-1		71DAP-1	71DAP-1	71DAP-1		182DAP-1	182DAP-1					
Days Application to Assessment		11 DA-A	11 DA-A	11 DA-A																
Days After Last Application		3	3	3		17	17	17		28	28	28		139	139					
No. Decimals Reported															1					
Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Converted Rate	Converted Rate Unit	Applic. Code	Applic. Timing	Plot	1	2	3	4	5	6	7	8	9	10	11	
17	CLETHODIM	0.44	LPR/HA	6	FLOzPr/A	B	LAPOCR	208	97	99	100	100	99	99	14	41.1
	TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPr/A	B	LAPOCR	406	99	100	95	100	99	95	17	50.5
	AMMONIUM SULFATE	1.0	%W/V	1.0	%W/V	B	LAPOCR	504	100	100	100	100	99	98	16	47.6
	CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR	702	100	100	98	100	99	98	20	58.7
	Mean =	99	100	98	100	99	98	17	49.5
18	CHECK UNTREATED								0	0	0	0	0	0	0	0	0	0	14	41.1
									209	0	0	0	0	0	0	0	0	0	17	49.1
									402	0	0	0	0	0	0	0	0	0	13	38.8
									603	0	0	0	0	0	0	0	0	0	18	51.7
									808	0	0	0	0	0	0	0	0	0		
	Mean =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	45.2

Column 11: TY1 = 2.937379*[10]

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Country: UNITED STATES OF AMERICA Region: NJ Trial Use: Normal
 Discipline: HERBICIDE Sequence: 026 Year: 2006
 Trial Id.: USNJ0H0262006 Protocol Id.: HTCC0014-2006US Revision Date: Mar07
 Master Protocol Id.:

Trial Origin: IN-HOUSE TRIAL (SYNGENTA) Licensee: Steve Mroczkiewicz GEP: N

Title: Fusilade: Volunteer GT Corn Control in Soybeans

Assessment Date	23/Jun/2006	23/Jun/2006	23/Jun/2006	7/Jul/2006	7/Jul/2006	7/Jul/2006	18/Jul/2006	18/Jul/2006	18/Jul/2006	6/Nov/2006	6/Nov/2006						
Crop Code	2 GLXMA	2 GLXMA	2 GLXMA	3 GLXMA	3 GLXMA	3 GLXMA	4 GLXMA	4 GLXMA	4 GLXMA	5 GLXMA	5 GLXMA						
Crop Variety	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305						
Crop Development	13 13	13 13	13 13	13 13	13 13	13 13	13 13	13 13	13 13	99	99						
Pest Code	6 ZEAMX	7 SETFA	5 AMBTR	8 ZEAMX	9 SETFA	10 AMBTR	11 ZEAMX	12 SETFA	13 AMBTR								
Pest Variety	DKC60-18RRII/YGPL			DKC60-18RRII/YGPL			DKC60-18RRII/YGPL										
SE Group No.	1	1	1	2	2	2	3	3	3	4	5						
Assessment Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	YIELD	YIELD						
Assessment Unit	%	%	%	%	%	%	%	%	%	LB	BU						
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	YLD YLR						
ARM Action Codes											TY1						
Days After Planting	46DAP-1	46DAP-1	46DAP-1	60DAP-1	60DAP-1	60DAP-1	71DAP-1	71DAP-1	71DAP-1	182DAP-1	182DAP-1						
Days Application to Assessment	11 DA-A	11 DA-A	11 DA-A														
Days After Last Application	3	3	3	17	17	17	28	28	28	139	139						
No. Decimals Reported											1						
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Converted Rate	Converted Rate Unit	Applic. Code	Applic. Timing	1	2	3	4	5	6	7	8	9	10	11
1 CHECK UNTREATED			0 e	0 c			0 e	0 c		0 d	0 e	0 d	0 e	0 e	0 e	16 a-d	46.6 a-d
2 FUSILADE DX 2 EC (WF2486) TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE	0.292 880.0 1.0	LPR/HA GAE/HA %WV	4 24 8.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL	A A A	POSPOS POSPOS POSPOS	84 ab	98 a	91 a	97 a	97 cd	97 abc	91 b	89 d	97 a-d	14 a-e	40.0 a-e
3 FUSILADE DX 2 EC (WF2486) TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE	0.44 880.0 1.0	LPR/HA GAE/HA %WV	6 24 8.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL	A A A	POSPOS POSPOS POSPOS	91 a	99 a	92 a	99 a	97 cd	97 abc	98 ab	91 cd	96 a-d	16 a-d	48.1 a-d
4 SELECT 2 EC TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE	0.44 880.0 1.0	LPR/HA GAE/HA %WV	6 24 8.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL	A A A	POSPOS POSPOS POSPOS	75 bc	97 ab	89 ab	69 b	97 cd	94 c	61 c	91 d	94 d	15 a-e	43.1 a-e
5 FUSILADE DX 2 EC (WF2486) TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE CROP OIL CONCENTRATE	0.292 880.0 1.0 0.5	LPR/HA GAE/HA %WV %V/V	4 24 8.5 0.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL %V/V	A A A A	POSPOS POSPOS POSPOS POSPOS	86 ab	98 ab	91 a	95 a	96 cd	97 abc	93 ab	90 d	97 a-d	14 a-e	42.5 a-e
6 FUSILADE DX 2 EC (WF2486) TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE CROP OIL CONCENTRATE	0.44 880.0 1.0 0.5	LPR/HA GAE/HA %WV %V/V	6 24 8.5 0.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL %V/V	A A A A	POSPOS POSPOS POSPOS POSPOS	91 a	96 b	88 ab	99 a	97 bcd	96 abc	99 ab	89 d	95 bcd	12 b-e	35.7 b-e
7 SELECT 2 EC TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE CROP OIL CONCENTRATE	0.44 880.0 1.0 0.5	LPR/HA GAE/HA %WV %V/V	6 24 8.5 0.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL %V/V	A A A A	POSPOS POSPOS POSPOS POSPOS	94 a	97 ab	77 b	100 a	97 bcd	95 bc	98 ab	93 bcd	97 abc	15 a-e	43.8 a-e
8 FUSILADE DX 2 EC (WF2486) TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE	0.292 880.0 1.0	LPR/HA GAE/HA %WV	4 24 8.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL	B B B	LAPOCR LAPOCR LAPOCR				95 a	100 a	99 a	98 ab	98 ab	97 a-d	10 e	29.3 e
9 FUSILADE DX 2 EC (WF2486) TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE	0.44 880.0 1.0	LPR/HA GAE/HA %WV	6 24 8.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL	B B B	LAPOCR LAPOCR LAPOCR				94 a	100 a	99 a	98 ab	99 a	98 ab	17 ab	49.9 ab
10 SELECT 2 EC TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE	0.44 880.0 1.0	LPR/HA GAE/HA %WV	6 24 8.5	FLOzPrt/A FLOzPrt/A LBPR/100GAL	B B B	LAPOCR LAPOCR LAPOCR				97 a	99 ab	99 a	99 ab	99 a	98 ab	12 de	34.8 de

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Assessment Date	23/Jun/2006	23/Jun/2006	23/Jun/2006	7/Jul/2006	7/Jul/2006	7/Jul/2006	18/Jul/2006	18/Jul/2006	18/Jul/2006	6/Nov/2006	6/Nov/2006						
Crop Code	2 GLXMA	2 GLXMA	2 GLXMA	3 GLXMA	3 GLXMA	3 GLXMA	4 GLXMA	4 GLXMA	4 GLXMA	5 GLXMA	5 GLXMA						
Crop Variety	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305	Asgrow3305						
Crop Development	13 13	13 13	13 13	8 ZEAMX	9 SETFA	10 AMBTR	11 ZEAMX	12 SETFA	13 AMBTR	99	99						
Pest Code	6 ZEAMX	7 SETFA	5 AMBTR	DKC60-18RRII/YGPL	2	2	3	3	3	4	5						
Pest Variety	DKC60-18RRII/YGPL																
SE Group No.	1	1	1	2	2	2	3	3	3	4	5						
Assessment Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	YIELD	YIELD						
Assessment Unit	%	%	%	%	%	%	%	%	%	LB	BU						
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	YLD YLR						
ARM Action Codes											TY1						
Days After Planting	46DAP-1	46DAP-1	46DAP-1	60DAP-1	60DAP-1	60DAP-1	71DAP-1	71DAP-1	71DAP-1	182DAP-1	182DAP-1						
Days Application to Assessment	11 DA-A	11 DA-A	11 DA-A														
Days After Last Application	3	3	3	17	17	17	28	28	28	139	139						
No. Decimals Reported											1						
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Converted Rate	Converted Rate Unit	Applic. Code	Applic. Timing	1	2	3	4	5	6	7	8	9	10	11
11 FUSILADE DX 2 EC (WF2486)	0.292	LPR/HA	4	FLOzPrt/A	B	LAPOCR				93 a	100 a	96 abc	97 ab	99 a	97 abc	18 a	52.8 a
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	B	LAPOCR											
AMMONIUM SULFATE	1.0	%W/V	8.5	LBPR/100GAL	B	LAPOCR											
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR											
12 FUSILADE DX 2 EC (WF2486)	0.44	LPR/HA	6	FLOzPrt/A	B	LAPOCR				95 a	100 a	99 a	98 ab	99 a	99 a	15 a-d	44.4 a-d
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	B	LAPOCR											
AMMONIUM SULFATE	1.0	%W/V	8.5	LBPR/100GAL	B	LAPOCR											
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR											
13 SELECT 2 EC	0.44	LPR/HA	6	FLOzPrt/A	B	LAPOCR				98 a	100 a	97 abc	100 a	99 a	99 a	12 cde	35.0 cde
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	B	LAPOCR											
AMMONIUM SULFATE	1.0	%W/V	8.5	LBPR/100GAL	B	LAPOCR											
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR											
14 EXTREME 2.17 SL	912.0	GA/HA	3	PT/A	A	POSPOS				40 d	97 ab	83 ab					
NIS	0.125	%W/V	0.125	%W/V	A	POSPOS											
AMMONIUM SULFATE	1.0	%W/V	1.0	%W/V	A	POSPOS											
15 TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS				64 c	99 a	86 ab					
RAPTOR	44.0	GA/HA	5	FLOzPrt/A	A	POSPOS											
NIS	0.25	%W/V	0.25	%W/V	A	POSPOS											
AMMONIUM SULFATE	1.0	%W/V	1.0	%W/V	A	POSPOS											
16 CLETHODIM	0.44	LPR/HA	6	FLOzPrt/A	A	POSPOS				94 a	99 a	88 ab					
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	A	POSPOS											
AMMONIUM SULFATE	1.0	%W/V	1.0	%W/V	A	POSPOS											
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	A	POSPOS											
17 CLETHODIM	0.44	LPR/HA	6	FLOzPrt/A	B	LAPOCR				99 a	100 a	98 a					
TOUCHDOWN TOTAL 4.17 SL	880.0	GAE/HA	24	FLOzPrt/A	B	LAPOCR											
AMMONIUM SULFATE	1.0	%W/V	1.0	%W/V	B	LAPOCR											
CROP OIL CONCENTRATE	0.5	%V/V	0.5	%V/V	B	LAPOCR											
18 CHECK UNTREATED							0 e	0 c	0 c	0 d	0 e	0 d	0 e	0 e	0 e	15 a-d	45.2 a-d
LSD (P=.05)	11.4		2.6				11.4	2.6	12.4	9.1	2.6	3.7	8.3	5.9	3.0	5.0	14.70
Standard Deviation	7.9		1.8				7.9	1.8	8.6	6.4	1.9	2.6	5.9	4.2	2.1	3.5	10.39
CV	12.05		2.27				12.05	2.27	12.07	7.87	2.14	3.05	7.23	4.97	2.49	23.81	23.81
Grand Mean	65.27		79.91				65.27	79.91	71.3	81.75	87.14	86.07	81.35	84.11	85.99	14.86	43.64
Bartlett's X2	25.65		20.331				25.65	20.331	7.723	70.028	43.796	21.415	85.305	42.073	18.811	21.523	21.523
P(Bartlett's X2)	0.001*		0.009*				0.001*	0.009*	0.461	0.001*	0.001*	0.124	0.001*	0.001*	0.222	0.204	0.204
Replicate F	1.789		3.693				1.789	3.693	3.518	0.667	7.772	3.712	0.379	10.142	0.970	2.096	2.096
Replicate Prob(F)	0.1704		0.0225				0.1704	0.0225	0.0269	0.5763	0.0002	0.0172	0.7685	0.0001	0.4141	0.1123	0.1123
Treatment F	83.860		1893.844				83.860	1893.844	68.126	103.032	1161.104	568.865	130.231	218.639	853.213	1.606	1.606
Treatment Prob(F)	0.0001		0.0001				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0975	0.0975

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

Column 11: TY1 = 2.937379*[10]