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Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
 Discipline: HERBICIDE Sequence: Year: 2007
 Trial Id.: US__0H__2007 Protocol Id.: HCNN001A-2007US Revision Date: Mar22
 Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. William G. Johnson GEP: N

 Title: Sales Support: Weed Control and Yield with Syngenta Programs including A15189 in Corn

SITE AND DESIGN

Plot Width: 10 Unit: FT Plot Length: 30 Unit: FT Plot Area: 300.0 Unit: FT2 No Reps: 4 No Treats: 17

Site Description Event Date: May/02/2007 Study Design: RACOBL

Trial Location: Throckmorton-Purdue Ag Center (TPAC) Farm/Station Name: TPAC
 County: Tippecanoe Farm Manager: Jay Young
 State/Province: IN Street: 8343 US 231 South
 Postal Code: 47909 City+State/Prov: Lafayette, IN
 Cooperator Name: Jay Young Postal Code: 47909-9049
 Country: UNITED STATES OF AMERICA
 Phone Number: 765-538-3422

Fertility Level: GOOD N-Latitude of LL Corner/°: 40.000000 Distance to Weather Station: 0.0 Unit: MI
 Soil Texture: SILT LOAM E-Longitude of LL Corner/°: 86.000000 Closest Weather Station: TPAC
 Soil Drainage: GOOD Altitude of LL Corner/m: 732.00
 Tillage Type: CONVENTIONAL-TILL

SITE USAGE

No.	Site Type
1.	FIELD

No.
1.

No.
1.

No.
1.

No.	Date or	Previous Crop/Pest
1.	Apr/18/2006	GLYCINE MAX

GENERAL TRIAL INFORMATION

Initiation Date: Apr/26/2007 Protocol Id. : HCNN001A-2007US
 Title: Sales Support: Weed Control and Yield with Syngenta Programs including A15189 in Corn
 Intl./Overall Protocol Owner : Gordon Vail Investigator: Dr. William G. Johns
 Local Protocol Responsibility: Craig Nichols Title: BR&D Scientist
 Affiliation: Syngenta

No.
1.

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TRIAL STATUS
1. Date: Apr/26/2007 TRIAL STATUS: ESTABLISHED Comment: Generated by ARM

SEED DESCRIPTION
1. Date: May/01/2007 Area: Trial Crop: FIELD CORN Var: DKC60-18 Genetic Type A: GLYPHOSATE-R Comment: Emergence Date May/7/2007

CROP OCCURRENCE

	1.
Date:	May/23/2007
Area:	Trial
Crop:	FIELD CORN
Crop Code:	ZEAMX
BBCH Scale:	BCOR
Variety:	DKC60-18
Seed Description:	1
Planting Date:	May/01/2007
Ground Cover:	Dry Soil
Planting Depth Min, Max, Unit:	1.0 2.0 IN
Row Spacing, Unit:	30.0 IN
Planting Rate, Unit:	30500.0 S/A
Method:	DIRECT DRILLED
Genetic Type A:	GLYPHOSATE-R

PEST OCCURRENCE

	1.	2.	3.
Date:	May/02/2007	May/18/2007	May/18/2007
Area:	Trial	Trial	Trial
Pest:	ABUTILON THEOPHRASTI	SETARIA FABERI	AMBROSIA TRIFIDA
Pest Code:	ABUTH	SETFA	AMBTR
Stage Scale:	BBCH	BGRM	BBCH
Variety:	Velvetleaf	Giant Foxtail	Giant Ragweed
	4.	5.	6.
Date:	May/18/2007	May/18/2007	May/18/2007
Area:	Trial	Trial	Trial
Pest:	CHENOPODIUM ALBUM	ABUTILON THEOPHRASTI	AMARANTHUS RETROFLEXUS
Pest Code:	CHEAL	ABUTH	AMARE
Stage Scale:	BBCH	BBCH	BDWE
Variety:	Common Lambsquarter	Velvetleaf	Redroot Pigweed

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	7.	8.	9.
Date:	May/29/2007	May/29/2007	May/29/2007
Area:	Trial	Trial	Trial
Pest:	SETARIA FABERI	ABUTILON THEOPHRASTI	AMBROSIA TRIFIDA
Pest Code:	SETFA	ABUTH	AMBTR
Stage Scale:	BGRM	BBCH	BBCH
Variety:	Giant Foxtail	Velvetleaf	Giant Ragweed

CROP DEVELOPMENT

	1.	2.
Date:	May/23/2007	May/31/2007
Crop:	1 FIELD CORN	1 FIELD CORN
Crop Code:	ZEAMX	ZEAMX
BBCH Scale:	BCOR	BCOR
Variety:	DKC60-18	DKC60-18
Dev. Stage Min, Max:	13 13	16 16
Height Min, Max, Unit:		12.0 18.0 IN

Tree/Crop Row Volume Information		
Height Total (m):		0.38

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	3.	4.
Date:	Jun/14/2007	Jul/09/2007
Crop:	1 FIELD CORN	1 FIELD CORN
Crop Code:	ZEAMX	ZEAMX
BBCH Scale:	BCOR	BCOR
Variety:	DKC60-18	DKC60-18
Dev. Stage Min, Max:	17 18	59 61
Height Min, Max, Unit:	24.0 36.0 IN	

Tree/Crop Row Volume Information		
Height Total (m):	0.76	

	5.
Date:	Sep/28/2007
Crop:	1 FIELD CORN
Crop Code:	ZEAMX
BBCH Scale:	BCOR
Variety:	DKC60-18
Dev. Stage Min, Max:	99 99
Height Min, Max, Unit:	

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

PEST DEVELOPMENT

	1.	2.
Date:	May/02/2007	May/18/2007
Pest:	1 ABUTILON THEOPHRASTI	2 SETARIA FABERI
Pest Code:	ABUTH	SETFA
Stage Scale:	BBCH	BGRM
Variety:	Velvetleaf	Giant Foxtail
Density Min, Max:	1.0 2.0	100.0 300.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	0.5 2.0 IN	
Leaves Min, Max:		
Tillers Min, Max:		1.0 3.0

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	3.	4.
Date:	May/18/2007	May/18/2007
Pest:	3 AMBROSIA TRIFIDA	4 CHENOPODIUM ALBUM
Pest Code:	AMBTR	CHEAL
Stage Scale:	BBCH	BBCH
Variety:	Giant Ragweed	Common Lambsquarter
Density Min, Max:	2.0 3.0	2.0 6.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	1.0 3.0 IN	5.0 2.0 IN
Leaves Min, Max:		2.0 8.0
Tillers Min, Max:		
	5.	6.
Date:	May/18/2007	May/18/2007
Pest:	5 ABUTILON THEOPHRASTI	6 AMARANTHUS RETROFLEXUS
Pest Code:	ABUTH	AMARE
Stage Scale:	BBCH	BDWE
Variety:	Velvetleaf	Redroot Pigweed
Density Min, Max:	1.0 3.0	0.0 1.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	0.5 2.0 IN	0.0 2.0 IN
Leaves Min, Max:	2.0 4.0	3.0 3.0
Tillers Min, Max:		
	7.	8.
Date:	May/29/2007	May/29/2007
Pest:	7 SETARIA FABERI	8 ABUTILON THEOPHRASTI
Pest Code:	SETFA	ABUTH
Stage Scale:	BGRM	BBCH
Variety:	Giant Foxtail	Velvetleaf
Density Min, Max:	75.0 125.0	1.0 5.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	5.0 12.0 IN	2.0 8.0 IN
Leaves Min, Max:		3.0 8.0
Tillers Min, Max:	2.0 5.0	

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	9.	10.
Date:	May/29/2007	Jun/14/2007
Pest:	9 AMBROSIA TRIFIDA	4 CHENOPODIUM ALBUM
Pest Code:	AMBTR	CHEAL
Stage Scale:	BBCH	BBCH
Variety:	Giant Ragweed	Common Lambsquarter
Density Min, Max:	1.0 2.0	3.0 5.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	5.0 14.0 IN	16.0 24.0 IN
Leaves Min, Max:	4.0 12.0	
Tillers Min, Max:		
	11.	12.
Date:	Jun/14/2007	Jun/14/2007
Pest:	1 ABUTILON THEOPHRASTI	2 SETARIA FABERI
Pest Code:	ABUTH	SETFA
Stage Scale:	BBCH	BGRM
Variety:	Velvetleaf	Giant Foxtail
Density Min, Max:	3.0 6.0	80.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	14.0 22.0 IN	12.0 18.0 IN
Leaves Min, Max:		
Tillers Min, Max:		
	13.	14.
Date:	Jun/14/2007	Jul/09/2007
Pest:	3 AMBROSIA TRIFIDA	9 AMBROSIA TRIFIDA
Pest Code:	AMBTR	AMBTR
Stage Scale:	BBCH	BBCH
Variety:	Giant Ragweed	Giant Ragweed
Density Min, Max:	1.0 3.0	1.0 3.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	12.0 24.0 IN	36.0 68.0 IN
Leaves Min, Max:		
Tillers Min, Max:		

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	15.	16.
Date:	Jul/09/2007	Jul/09/2007
Pest:	7 SETARIA FABERI	1 ABUTILON THEOPHRASTI
Pest Code:	SETFA	ABUTH
Stage Scale:	BGRM	BBCH
Variety:	Giant Foxtail	Velvetleaf
Density Min, Max:	80.0	3.0 6.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	24.0 48.0 IN	0.0 48.0 IN
Leaves Min, Max:		
Tillers Min, Max:		

	17.
Date:	Jul/09/2007
Pest:	4 CHENOPODIUM ALBUM
Pest Code:	CHEAL
Stage Scale:	BBCH
Variety:	Common Lambsquarter
Density Min, Max:	3.0 5.0
Unit:	PER SQUARE YARD
Height Min, Max, Unit:	24.0 60.0 IN
Leaves Min, Max:	
Tillers Min, Max:	

WEATHER DESCRIPTION

1. **Date:** May/02/2007 **Air Temp. Min:** 69.0 **Max:** 69.0 **Unit:** F **% Rel. Humidity Min:** 67.0 **Max:** 67.0
Wind Velocity Min: 7.0 **Max:** 9.0 **Unit:** MPS **Wind Direction:** NE
Sky Condition: 85% Cloud Cover
Sky Condition after: 85% Cloud Cover

2. **Date:** May/18/2007 **Air Temp. Min:** 57.0 **Max:** 57.0 **Unit:** F **% Rel. Humidity Min:** 47.0 **Max:** 47.0
Wind Velocity Min: 2.0 **Max:** 7.0 **Unit:** MPH **Wind Direction:** NE
Sky Condition: 0% Cloud Cover
Sky Condition after: 0% Cloud Cover

3. **Date:** May/29/2007 **Air Temp. Min:** 88.0 **Max:** 88.0 **Unit:** F **% Rel. Humidity Min:** 47.0 **Max:** 47.0
Wind Velocity Min: 0.0 **Max:** 2.0 **Unit:** MPH **Wind Direction:** NE
Sky Condition: 30% Cloud Cover
Sky Condition after: 30% Cloud Cover

No.	Date	Soil Temp.	Unit	Soil Moisture Condition
1.	May/02/2007	60.0	F	Dry
2.	May/18/2007	52.0	F	Moist
3.	May/29/2007	80.0	F	Moist

APPLICATION

A	B	C

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Application Date/Time:	May/02/2007 08:40 AM	May/18/2007 11:00 AM	May/29/2007 03:00 PM
Applied By:	VD	BN/ KW	AW/ MK
Target (Pest):	1 ABUTH		
Variety (Pest):	Velvetleaf		
Weather:	1	2	3
Soil:	1	2	3
Equipment Name:	Backpack sprayer	Backpack sprayer	Backpack sprayer
Application Equipment:	BACSPR	BACSPR	BACSPR
Pressure, Unit:	15 PSI	15 PSI	15 PSI
Nozzle Type:	FLAFAN	FLAFAN	FLAFAN
Nozzle Description:	XR11002	XR11002	XR11002
Nozzle Spacing, Unit:	15 IN	15 IN	15 IN
Band Width, Unit:	15 IN	15 IN	15 IN
Boom Length, Unit:	10 FT	10 FT	10 FT
Boom Height, Unit:	15 IN	15 IN	15 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Spray Volume, Unit:	15.0 GPA	15.0 GPA	15.0 GPA
Mix Size, Unit:	1.8 L	1.8 L	1.8 L
Propellent:	COMCO2	COMCO2	COMCO2
Application Method:	NONINC	NONINC	NONINC
Application Timing:	PREPRE	EAPOCR	POSPOS
Applic. Placement:	BROSOI	BROFOL	BROFOL

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No.	Date/Time	Area	Type	Amount	Unit
1.	Apr/01/2007 12:00 AM	Trial	RAIN	0.19	IN
2.	Apr/11/2007 12:00 AM	Trial	RAIN	0.48	IN
3.	Apr/23/2007 12:00 AM	Trial	RAIN	0.45	IN
4.	May/15/2007 12:00 AM	Trial	RAIN	0.09	IN
5.	May/17/2007 12:00 AM	Trial	RAIN	0.1	IN
6.	May/22/2007 12:00 AM	Trial	RAIN	0.08	IN
7.	May/25/2007 12:00 AM	Trial	RAIN	0.48	IN
8.	Jun/03/2007 12:00 AM	Trial	RAIN	0.22	IN
9.	Jun/08/2007 12:00 AM	Trial	RAIN	0.08	IN
10.	Jun/19/2007 12:00 AM	Trial	RAIN	0.19	IN
11.	Jun/22/2007 12:00 AM	Trial	RAIN	0.98	IN
12.	Jun/27/2007 12:00 AM	Trial	RAIN	0.02	IN
13.	Jul/04/2007 12:00 AM	Trial	RAIN	0.05	IN
14.	Jul/10/2007 12:00 AM	Trial	RAIN	0.04	IN
15.	Jul/12/2007 12:00 AM	Trial	RAIN	0.02	IN
16.	Jul/17/2007 12:00 AM	Trial	RAIN	0.93	IN
17.	Jul/25/2007 12:00 AM	Trial	RAIN	0.31	IN
18.	Aug/04/2007 12:00 AM	Trial	RAIN	0.01	IN
19.	Aug/20/2007 12:00 AM	Trial	RAIN	1.85	IN
20.	Aug/24/2007 12:00 AM	Trial	RAIN	0.97	IN
21.	Sep/06/2007 12:00 AM	Trial	RAIN	0.83	IN
22.	Sep/11/2007 12:00 AM	Trial	RAIN	0.13	IN
23.	Sep/25/2007 12:00 AM	Trial	RAIN	0.07	IN
24.	Oct/01/2007 12:00 AM	Trial	RAIN	0.02	IN
25.					
26.					
27.					
28.					

No.	Date	Area	Laboratory Name	pH/KCL	pH/H2O	CEC	Soil Texture
1.	Feb/17/2004	Trial	A&L Great Lakes Laboratories, INC.	6.2	6.2	13.3	SILT LOAM
Soil Component:							
Soil Element:				P: 34.0	PPM	K: 124.0	PPM
				Ca: 1400.0	PPM	Mg: 430.0	PPM

No.	Soil Analy. No.
1.	1

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1. INOCULATION/INFESTATION

No.	Date	Area	TYPE	Rate	Unit
1.	Apr/21/2007	Trial	CULTIVATION		
2.	Apr/23/2007	Trial	FERTILIZATION	56.0	GPA

No.
1.

No.	Date	General Comments
1.		
Code		Crop Occurrence Comment
1.		
Code		Pest Occurrence Comment
1.		
Code		Crop Development Comment
1.		
Code		Pest Development Comment
1.		
Code		Comment
1.		
Code		Comment
1.		

Area Name	Treatment Numbers in Area
1.	

INSTRUCTIONS

Crops: CORN
 Targets: Giant Ragweed

=====
 Objective Notes:
 =====
 To compare Syngenta Corn portfolio programs to competitive programs for weed control and yield in corn
 =====
 Critical Protocol Tasks:
 =====
 Yields are critical in these trials.
 =====
 Trial Design Notes:
 =====
 RCBD with 4 replicates
 Plot size large enough for valid yield comparisons
 =====
 Treatment Notes:
 =====
 A = Pre-emergence application
 B = Early post to 1-2" weeds
 C = Post emergence 3-4" weeds

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Please target 10 to 15 GPA application volume
 IMPORTANT to report the actual GPA used by each researcher

=====
Assessment Notes:

=====
 Evaluate corn injury at 3-7, 14 and 28 Days after B (early post)
 Evaluate weed control at 14, 28 and 56 Days after B (early post)
 Report yield at harvest adjusted to 15.5% moisture
 =====

Reporting Notes:

Date Data Required By: National Results Meeting
 =====

=====
Other Notes:
 =====

Assessment Tasks

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	Trans. Code
1.	1	W003	% weed control	PLANT	CONTRO	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	NOR	RAW	NC	S	0
2.	2	X001	% General phyto on p	PLANT	PHYGEN	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	NOR	RAW	NC	S	0
3.	3	Y086	% moisture content o	GRAIN	CONMOI	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	YLM	MOI	NC	O	0
4.				GRAIN	YIELD	BU	1.0	PLOT	1.0	PLOT	1.0	ACRE	YLD	RAW	NC	O	

No.	Timing ID
1.	1
2.	2
3.	3
4.	

No. Task
 1.

Comment

Trial Comments

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Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
 Discipline: HERBICIDE Sequence: Year: 2007
 Trial Id.: US_0H_2007 Protocol Id.: HCNN001A-2007US Revision Date: Mar22
 Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. William G. Johnson GEP: N

 Title: Sales Support: Weed Control and Yield with Syngenta Programs including A15189 in Corn

Assessment Date	Jun/14/2007 12:00 AM	Jun/14/2007 12:00 AM	Jun/14/2007 12:00 AM	Jun/14/2007 12:00 AM	Jul/09/2007 12:00 AM	Jul/09/2007 12:00 AM	Jul/09/2007 12:00 AM			
Assessed By	VMD+GK	VMD+GK	VMD+GK	VMD+GK	KW+MK	KW+MK	KW+MK			
Crop Code	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX			
Crop Variety	DKC60-18									
Crop Development	17 18	17 18	17 18	17 18	59 61	59 61	59 61			
Pest Code	12 SETFA	13 AMBTR	11 ABUTH	10 CHEAL	15 SETFA	14 AMBTR	16 ABUTH			
Pest Variety	Giant Foxtail	Giant Ragweed	Velvetleaf	Common Lambsquarter	Giant Foxtail	Giant Ragweed	Velvetleaf			
SE Group No.	1	1	1	1	2	2	2			
Part Assessed	PLATOT									
Assessment Data Type	CONTRO									
Assessment Unit	%	%	%	%	%	%	%			
Assessment Type, Sub-Type	NOR RAW									
Number of Subsamples	1	1	1	1	1	1	1			
ARM Action Codes										
Days After Planting	44DAP-1	44DAP-1	44DAP-1	44DAP-1	69DAP-1	69DAP-1	69DAP-1			
Days After Last Application	16	16	16	16	41	41	41			
No. Decimals Reported										
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Plot	1	2	3	4	5	6	7
1 LUMAX 3.94 SE	2200.0	gai/ha	101	25.0	100.0	100.0	100.0	15.0	100.0	100.0
LUMAX 3.94 SE	1100.0	gai/ha	305	45.0	100.0	100.0	100.0	25.0	100.0	100.0
AATREX 4L	1120.0	gai/ha	702	93.0	100.0	100.0	100.0	75.0	96.0	99.0
NIS	0.25	%v/v	903	80.0	97.0	100.0	100.0	83.0	100.0	100.0
			Mean =	60.8	99.3	100.0	100.0	49.5	99.0	99.8
2 LEXAR 3.7 SE	3630.0	gai/ha	102	10.0	100.0	100.0	100.0	10.0	100.0	100.0
			407	55.0	100.0	100.0	75.0	15.0	100.0	100.0
			602	40.0	85.0	100.0	100.0	25.0	85.0	100.0
			806	95.0	100.0	100.0	100.0	83.0	100.0	100.0
			Mean =	50.0	96.3	100.0	93.8	33.3	96.3	100.0
3 LUMAX 3.94 SE	3300.0	gai/ha	103	25.0	100.0	100.0	100.0	5.0	100.0	100.0
AATREX 4L	1120.0	gai/ha	402	25.0	90.0	100.0	100.0	10.0	95.0	100.0
			801	85.0	95.0	100.0	100.0	67.0	100.0	100.0
			807	90.0	100.0	100.0	100.0	65.0	100.0	100.0
			Mean =	56.3	96.3	100.0	100.0	36.8	98.8	100.0
4 LEXAR 3.7 SE	1560.0	gai/ha	104	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	404	100.0	100.0	100.0	100.0	99.0	100.0	100.0
A15189	2460.0	gai/ha	606	100.0	100.0	100.0	100.0	99.0	100.0	100.0
NIS	0.25	%v/v	1004	100.0	98.0	100.0	100.0	99.0	96.0	100.0
			Mean =	100.0	99.5	100.0	100.0	99.3	99.0	100.0

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Assessment Date	Jun/14/2007 12:00 AM	Jun/14/2007 12:00 AM	Jun/14/2007 12:00 AM	Jun/14/2007 12:00 AM	Jul/09/2007 12:00 AM	Jul/09/2007 12:00 AM	Jul/09/2007 12:00 AM			
Assessed By	VMD+GK	VMD+GK	VMD+GK	VMD+GK	KW+MK	KW+MK	KW+MK			
Crop Code	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX			
Crop Variety	DKC60-18									
Crop Development	17 18	17 18	17 18	17 18	59 61	59 61	59 61			
Pest Code	12 SETFA	13 AMBTR	11 ABUTH	10 CHEAL	15 SETFA	14 AMBTR	16 ABUTH			
Pest Variety	Giant Foxtail	Giant Ragweed	Velvetleaf	Common Lambsquarter	Giant Foxtail	Giant Ragweed	Velvetleaf			
SE Group No.	1	1	1	1	2	2	2			
Part Assessed	PLATOT									
Assessment Data Type	CONTRO									
Assessment Unit	%	%	%	%	%	%	%			
Assessment Type, Sub-Type	NOR RAW									
Number of Subsamples	1	1	1	1	1	1	1			
ARM Action Codes										
Days After Planting	44DAP-1	44DAP-1	44DAP-1	44DAP-1	69DAP-1	69DAP-1	69DAP-1			
Days After Last Application	16	16	16	16	41	41	41			
No. Decimals Reported										
Trt Treatment/Product Name	Product/Al Rate	Product/Al Rate Unit	Plot	1	2	3	4	5	6	7
5 AATREX 4L	1120.0	gai/ha	105	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PRINCEP 4L	1120.0	gai/ha	405	100.0	100.0	100.0	100.0	99.0	97.0	100.0
A15189	2460.0	gai/ha	507	100.0	100.0	100.0	100.0	99.0	100.0	100.0
NIS	0.25	%v/v	804	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			Mean =	100.0	100.0	100.0	100.0	99.5	99.3	100.0
6 BICEP II MAGNUM 5.5 SC	2320.0	gai/ha	106	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	307	100.0	100.0	100.0	100.0	100.0	100.0	100.0
A15189	2460.0	gai/ha	605	100.0	100.0	100.0	100.0	100.0	100.0	100.0
NIS	0.25	%v/v	1003	100.0	98.0	100.0	100.0	100.0	99.0	100.0
			Mean =	100.0	99.5	100.0	100.0	100.0	99.8	100.0
7 A15189	2460.0	gai/ha	107	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	502	100.0	100.0	100.0	100.0	99.0	100.0	100.0
NIS	0.25	%v/v	704	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AATREX 4L	1120.0	gai/ha	1005	100.0	98.0	100.0	100.0	98.0	97.0	100.0
			Mean =	100.0	99.5	100.0	100.0	99.3	99.3	100.0
8 BICEP II MAGNUM 5.5 SC	2160.0	gai/ha	201	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	501	100.0	100.0	100.0	100.0	99.0	100.0	100.0
CALLISTO 4 SC (WF2795)	105.0	gai/ha	604	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha	904	100.0	97.0	100.0	100.0	100.0	95.0	100.0
			Mean =	100.0	99.3	100.0	100.0	99.8	98.8	100.0
9 A15189	2460.0	gai/ha	202	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	506	100.0	100.0	100.0	100.0	99.0	98.0	100.0
NIS	0.25	%v/v	802	100.0	99.0	100.0	100.0	100.0	100.0	100.0
			906	99.0	98.0	100.0	100.0	99.0	98.0	100.0
			Mean =	99.8	99.3	100.0	100.0	99.5	99.0	100.0

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Assessed By	VMD+GK	VMD+GK	VMD+GK	VMD+GK	KW+MK	KW+MK	KW+MK			
Crop Code	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX			
Crop Variety	DKC60-18									
Crop Development	17 18	17 18	17 18	17 18	59 61	59 61	59 61			
Pest Code	12 SETFA	13 AMBTR	11 ABUTH	10 CHEAL	15 SETFA	14 AMBTR	16 ABUTH			
Pest Variety	Giant Foxtail	Giant Ragweed	Velvetleaf	Common Lambsquarter	Giant Foxtail	Giant Ragweed	Velvetleaf			
SE Group No.	1	1	1	1	2	2	2			
Part Assessed	PLATOT									
Assessment Data Type	CONTRO									
Assessment Unit	%	%	%	%	%	%	%			
Assessment Type, Sub-Type	NOR RAW									
Number of Subsamples	1	1	1	1	1	1	1			
ARM Action Codes										
Days After Planting	44DAP-1	44DAP-1	44DAP-1	44DAP-1	69DAP-1	69DAP-1	69DAP-1			
Days After Last Application	16	16	16	16	41	41	41			
No. Decimals Reported										
Trt Treatment/Product Name	Product/Al Rate	Product/Al Rate Unit	Plot	1	2	3	4	5	6	7
10 LEXAR 3.7 SE	2340.0	gai/ha	203	99.0	100.0	100.0	100.0	100.0	100.0	100.0
TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha	504	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	707	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			803	100.0	99.0	100.0	100.0	99.0	100.0	100.0
			Mean =	99.8	99.8	100.0	100.0	99.8	100.0	100.0
11 HARNESS XTRA 5.6L	2360.0	gai/ha	204	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	401	100.0	100.0	100.0	100.0	99.0	100.0	98.0
ROUNDUP ORIGINAL MAX	870.0	gae/ha	706	100.0	98.0	100.0	100.0	100.0	99.0	100.0
			1001	100.0	96.0	100.0	100.0	99.0	90.0	100.0
			Mean =	100.0	98.5	100.0	100.0	99.5	97.3	99.5
12 ROUNDUP ORIGINAL MAX	870.0	gae/ha	205	98.0	100.0	100.0	98.0	97.0	100.0	99.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	304	97.0	100.0	100.0	98.0	95.0	97.0	100.0
ROUNDUP ORIGINAL MAX	870.0	gae/ha	607	98.0	97.0	100.0	97.0	95.0	93.0	98.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	905	96.0	96.0	100.0	95.0	95.0	85.0	100.0
			Mean =	97.3	98.3	100.0	97.0	95.5	93.8	99.3
13 DEGREE XTRA 4.04 CS	2260.0	gai/ha	206	100.0	98.0	100.0	100.0	99.0	99.0	100.0
IMPACT 2.8 SC	12.3	gai/ha	403	99.0	100.0	100.0	100.0	100.0	100.0	98.0
ROUNDUP ORIGINAL MAX	870.0	gae/ha	701	100.0	97.0	100.0	100.0	99.0	99.0	99.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	805	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			Mean =	99.8	98.8	100.0	100.0	99.5	99.5	99.3
14 RADIUS 4 SC	350.0	gai/ha	207	100.0	100.0	100.0	100.0	100.0	100.0	100.0
LAUDIS 3.5 SC	92.0	gai/ha	306	99.0	99.0	100.0	100.0	99.0	99.0	100.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	601	100.0	100.0	100.0	100.0	100.0	99.0	100.0
ROUNDUP ORIGINAL MAX	870.0	gae/ha	1002	100.0	96.0	100.0	100.0	98.0	96.0	100.0
			Mean =	99.8	98.8	100.0	100.0	99.3	98.5	100.0

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Assessed By	KW+MK	KW	KW	KW
Crop Code	4 ZEAMX	5 ZEAMX	5 ZEAMX	5 ZEAMX
Crop Variety	DKC60-18	DKC60-18	DKC60-18	DKC60-18
Crop Development	59 61	99 99	99 99	99 99
Pest Code	17 CHEAL			
Pest Variety	Common Lambsquarter			
SE Group No.	2	2	2	2
Part Assessed	PLATOT	GRAMAT	GRAMAT	GRAMAT
Assessment Data Type	CONTRO	YIELD	YIELD	YIELD
Assessment Unit	%	LB	LB	BU
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	YLD YLR
Number of Subsamples	1	1	1	1
ARM Action Codes				TY1
Days After Planting	69DAP-1	150DAP-1	150DAP-1	150DAP-1
Days After Last Application	41	122	122	122
No. Decimals Reported				1

Trt Treatment/Product Name	Product/Al Rate	Product/Al Rate Unit	Plot	8	9	10
6 BICEP II MAGNUM 5.5 SC	2320.0	gai/ha	106	100.0	29.50	177.7
AMMONIUM SULFATE SG	1020.0	gpr/100l	307	100.0	36.80	221.7
A15189	2460.0	gai/ha	605	100.0	33.10	199.4
NIS	0.25	%v/v	1003	100.0	32.50	195.8
			Mean =	100.0	32.98	198.6
7 A15189	2460.0	gai/ha	107	100.0	35.10	211.4
AMMONIUM SULFATE SG	1020.0	gpr/100l	502	100.0	36.30	218.7
NIS	0.25	%v/v	704	100.0	34.60	208.4
AATREX 4L	1120.0	gai/ha	1005	100.0	35.20	212.0
			Mean =	100.0	35.30	212.6
8 BICEP II MAGNUM 5.5 SC	2160.0	gai/ha	201	100.0	36.40	219.3
AMMONIUM SULFATE SG	1020.0	gpr/100l	501	100.0	37.40	225.3
CALLISTO 4 SC (WF2795)	105.0	gai/ha	604	100.0	33.30	200.6
TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha	904	100.0	31.20	187.9
			Mean =	100.0	34.58	208.3
9 A15189	2460.0	gai/ha	202	100.0	36.50	219.9
AMMONIUM SULFATE SG	1020.0	gpr/100l	506	100.0	34.10	205.4
NIS	0.25	%v/v	802	99.0	34.10	205.4
			906	99.0	34.50	207.8
			Mean =	99.5	34.80	209.6
10 LEXAR 3.7 SE	2340.0	gai/ha	203	100.0	38.20	230.1
TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha	504	100.0	35.20	212.0
AMMONIUM SULFATE SG	1020.0	gpr/100l	707	100.0	38.10	229.5
			803	100.0	30.00	180.7
			Mean =	100.0	35.38	213.1

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Assessed By	KW+MK	KW	KW	KW
Crop Code	4 ZEAMX	5 ZEAMX	5 ZEAMX	5 ZEAMX
Crop Variety	DKC60-18	DKC60-18	DKC60-18	DKC60-18
Crop Development	59 61	99 99	99 99	99 99
Pest Code	17 CHEAL			
Pest Variety	Common Lambsquarter			
SE Group No.	2	2	2	2
Part Assessed	PLATOT	GRAMAT	GRAMAT	GRAMAT
Assessment Data Type	CONTRO	YIELD	YIELD	YIELD
Assessment Unit	%	LB	LB	BU
Assessment Type, Sub-Type	NOR RAW	NOR RAW	YLD YLR	YLD YLR
Number of Subsamples	1	1	1	1
ARM Action Codes				TY1
Days After Planting	69DAP-1	150DAP-1	150DAP-1	150DAP-1
Days After Last Application	41	122	122	122
No. Decimals Reported				1

Trt	Treatment/Product Name	Product/Al Rate	Product/Al Rate Unit	Plot	8	9	10
11	HARNESS XTRA 5.6L	2360.0	gai/ha	204	100.0	41.20	248.2
	AMMONIUM SULFATE SG	1020.0	gpr/100l	401	100.0	38.20	230.1
	ROUNDUP ORIGINAL MAX	870.0	gae/ha	706	100.0	37.10	223.5
				1001	100.0	30.70	184.9
				Mean =	100.0	36.80	221.7
12	ROUNDUP ORIGINAL MAX	870.0	gae/ha	205	98.0	38.20	230.1
	AMMONIUM SULFATE SG	1020.0	gpr/100l	304	100.0	38.00	228.9
	ROUNDUP ORIGINAL MAX	870.0	gae/ha	607	87.0	36.50	219.9
	AMMONIUM SULFATE SG	1020.0	gpr/100l	905	97.0	38.70	233.1
				Mean =	95.5	37.85	228.0
13	DEGREE XTRA 4.04 CS	2260.0	gai/ha	206	100.0	39.00	234.9
	IMPACT 2.8 SC	12.3	gai/ha	403	100.0	37.30	224.7
	ROUNDUP ORIGINAL MAX	870.0	gae/ha	701	100.0	29.30	176.5
	AMMONIUM SULFATE SG	1020.0	gpr/100l	805	100.0	37.30	224.7
				Mean =	100.0	35.73	215.2
14	RADIUS 4 SC	350.0	gai/ha	207	100.0	34.60	208.4
	LAUDIS 3.5 SC	92.0	gai/ha	306	100.0	37.50	225.9
	AMMONIUM SULFATE SG	1020.0	gpr/100l	601	100.0	29.20	175.9
	ROUNDUP ORIGINAL MAX	870.0	gae/ha	1002	100.0	33.50	201.8
				Mean =	100.0	33.70	203.0
15	GUARDSMAN MAX 5 SC	1400.0	gai/ha	301	100.0	36.10	217.5
	STATUS	98.0	gai/ha	505	100.0	36.90	222.3
	AMMONIUM SULFATE SG	1020.0	gpr/100l	703	100.0	35.40*	213.2*
	ROUNDUP ORIGINAL MAX	870.0	gae/ha	902	100.0	35.10	211.4
				Mean =	100.0	35.87	216.1

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Assessed By	KW+MK	KW	KW
Crop Code	4 ZEAMX	5 ZEAMX	5 ZEAMX
Crop Variety	DKC60-18	DKC60-18	DKC60-18
Crop Development	59 61	99 99	99 99
Pest Code	17 CHEAL		
Pest Variety	Common Lambsquarter		
SE Group No.	2	2	2
Part Assessed	PLATOT	GRAMAT	GRAMAT
Assessment Data Type	CONTRO	YIELD	YIELD
Assessment Unit	%	LB	BU
Assessment Type, Sub-Type	NOR RAW	NOR RAW	YLD YLR
Number of Subsamples	1	1	1
ARM Action Codes			TY1
Days After Planting	69DAP-1	150DAP-1	150DAP-1
Days After Last Application	41	122	122
No. Decimals Reported			1
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Plot
			8
			9
			10
16 SURESTART	1040.0 gai/ha	302	100.0
AMMONIUM SULFATE SG	1020.0 gpr/100l	503	100.0
GLYPHOMAX 4 SL (AI)	870.0 gae/ha	705	100.0
		907	99.0
		Mean =	99.8
17 CHECK UNTREATED		303	0.0
		406	0.0
		603	0.0
		901	0.0
		Mean =	0.0
			38.70
			33.30
			37.50
			36.50
			36.50
			233.1
			200.6
			225.9
			219.9
			219.9
			42.8
			87.3
			58.4*
			56.6
			61.3

ARM Action Codes

TY1 = 6.02402*[9]

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Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
 Discipline: HERBICIDE Sequence: Year: 2007
 Trial Id.: US__0H__2007 Protocol Id.: HCNN001A-2007US Revision Date: Mar22
 Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. William G. Johnson GEP: N

 Title: Sales Support: Weed Control and Yield with Syngenta Programs including A15189 in Corn

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Assessed By	VMD+GK	VMD+GK	VMD+GK	VMD+GK	KW+MK	KW+MK	KW+MK		
Crop Code	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX		
Crop Variety	DKC60-18								
Crop Development	17 18	17 18	17 18	17 18	59 61	59 61	59 61		
Pest Code	12 SETFA	13 AMBTR	11 ABUTH	10 CHEAL	15 SETFA	14 AMBTR	16 ABUTH		
Pest Variety	Giant Foxtail	Giant Ragweed	Velvetleaf	Common Lambsquarter	Giant Foxtail	Giant Ragweed	Velvetleaf		
SE Group No.	1	1	1	1	2	2	2		
Part Assessed	PLATOT								
Assessment Data Type	CONTRO								
Assessment Unit	%	%	%	%	%	%	%		
Assessment Type, Sub-Type	NOR RAW								
Number of Subsamples	1	1	1	1	1	1	1		
ARM Action Codes									
Days After Planting	44DAP-1	44DAP-1	44DAP-1	44DAP-1	69DAP-1	69DAP-1	69DAP-1		
Days After Last Application	16	16	16	16	41	41	41		
No. Decimals Reported									
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	1	2	3	4	5	6	7
1 LUMAX 3.94 SE	2200.0	gai/ha	60.8 b	99.3 a	100.0 a	100.0 a	49.5 b	99.0 a	99.8 a
LUMAX 3.94 SE	1100.0	gai/ha							
AATREX 4L	1120.0	gai/ha							
NIS	0.25	%v/v							
2 LEXAR 3.7 SE	3630.0	gai/ha	50.0 b	96.3 a	100.0 a	93.8 a	33.3 b	96.3 a	100.0 a
3 LUMAX 3.94 SE	3300.0	gai/ha	56.3 b	96.3 a	100.0 a	100.0 a	36.8 b	98.8 a	100.0 a
AATREX 4L	1120.0	gai/ha							
4 LEXAR 3.7 SE	1560.0	gai/ha	100.0 a	99.5 a	100.0 a	100.0 a	99.3 a	99.0 a	100.0 a
AMMONIUM SULFATE SG	1020.0	gpr/100l							
A15189	2460.0	gai/ha							
NIS	0.25	%v/v							
5 AATREX 4L	1120.0	gai/ha	100.0 a	100.0 a	100.0 a	100.0 a	99.5 a	99.3 a	100.0 a
PRINCEP 4L	1120.0	gai/ha							
A15189	2460.0	gai/ha							
NIS	0.25	%v/v							
6 BICEP II MAGNUM 5.5 SC	2320.0	gai/ha	100.0 a	99.5 a	100.0 a	100.0 a	100.0 a	99.8 a	100.0 a
AMMONIUM SULFATE SG	1020.0	gpr/100l							
A15189	2460.0	gai/ha							
NIS	0.25	%v/v							
7 A15189	2460.0	gai/ha	100.0 a	99.5 a	100.0 a	100.0 a	99.3 a	99.3 a	100.0 a
AMMONIUM SULFATE SG	1020.0	gpr/100l							
NIS	0.25	%v/v							
AATREX 4L	1120.0	gai/ha							

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Assessed By	VMD+GK	VMD+GK	VMD+GK	VMD+GK	KW+MK	KW+MK	KW+MK		
Crop Code	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX		
Crop Variety	DKC60-18	DKC60-18	DKC60-18	DKC60-18	DKC60-18	DKC60-18	DKC60-18		
Crop Development	17 18	17 18	17 18	17 18	59 61	59 61	59 61		
Pest Code	12 SETFA	13 AMBTR	11 ABUTH	10 CHEAL	15 SETFA	14 AMBTR	16 ABUTH		
Pest Variety	Giant Foxtail	Giant Ragweed	Velvetleaf	Common Lambsquarter	Giant Foxtail	Giant Ragweed	Velvetleaf		
SE Group No.	1	1	1	1	2	2	2		
Part Assessed	PLATOT	PLATOT	PLATOT	PLATOT	PLATOT	PLATOT	PLATOT		
Assessment Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Assessment Unit	%	%	%	%	%	%	%		
Assessment Type, Sub-Type	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW	NOR RAW		
Number of Subsamples	1	1	1	1	1	1	1		
ARM Action Codes									
Days After Planting	44DAP-1	44DAP-1	44DAP-1	44DAP-1	69DAP-1	69DAP-1	69DAP-1		
Days After Last Application	16	16	16	16	41	41	41		
No. Decimals Reported									
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	1	2	3	4	5	6	7
8 BICEP II MAGNUM 5.5 SC AMMONIUM SULFATE SG CALLISTO 4 SC (WF2795) TOUCHDOWN TOTAL 4.17 SL	2160.0 1020.0 105.0 880.0	gai/ha gpr/100l gai/ha gae/ha	100.0 a	99.3 a	100.0 a	100.0 a	99.8 a	98.8 a	100.0 a
9 A15189 AMMONIUM SULFATE SG NIS	2460.0 1020.0 0.25	gai/ha gpr/100l %v/v	99.8 a	99.3 a	100.0 a	100.0 a	99.5 a	99.0 a	100.0 a
10 LEXAR 3.7 SE TOUCHDOWN TOTAL 4.17 SL AMMONIUM SULFATE SG	2340.0 880.0 1020.0	gai/ha gae/ha gpr/100l	99.8 a	99.8 a	100.0 a	100.0 a	99.8 a	100.0 a	100.0 a
11 HARNESS XTRA 5.6L AMMONIUM SULFATE SG ROUNDUP ORIGINAL MAX	2360.0 1020.0 870.0	gai/ha gpr/100l gae/ha	100.0 a	98.5 a	100.0 a	100.0 a	99.5 a	97.3 a	99.5 a
12 ROUNDUP ORIGINAL MAX AMMONIUM SULFATE SG ROUNDUP ORIGINAL MAX AMMONIUM SULFATE SG	870.0 1020.0 870.0 1020.0	gae/ha gpr/100l gae/ha gpr/100l	97.3 a	98.3 a	100.0 a	97.0 a	95.5 a	93.8 a	99.3 a
13 DEGREE XTRA 4.04 CS IMPACT 2.8 SC ROUNDUP ORIGINAL MAX AMMONIUM SULFATE SG	2260.0 12.3 870.0 1020.0	gai/ha gai/ha gae/ha gpr/100l	99.8 a	98.8 a	100.0 a	100.0 a	99.5 a	99.5 a	99.3 a
14 RADIUS 4 SC LAUDIS 3.5 SC AMMONIUM SULFATE SG ROUNDUP ORIGINAL MAX	350.0 92.0 1020.0 870.0	gai/ha gai/ha gpr/100l gae/ha	99.8 a	98.8 a	100.0 a	100.0 a	99.3 a	98.5 a	100.0 a
15 GUARDSMAN MAX 5 SC STATUS AMMONIUM SULFATE SG ROUNDUP ORIGINAL MAX	1400.0 98.0 1020.0 870.0	gai/ha gai/ha gpr/100l gae/ha	99.8 a	98.5 a	100.0 a	99.5 a	99.8 a	99.3 a	99.8 a
16 SURESTART AMMONIUM SULFATE SG GLYPHOMAX 4 SL (AI)	1040.0 1020.0 870.0	gai/ha gpr/100l gae/ha	99.3 a	99.8 a	100.0 a	100.0 a	99.8 a	99.8 a	100.0 a

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Assessed By	VMD+GK	VMD+GK	VMD+GK	VMD+GK	KW+MK	KW+MK	KW+MK		
Crop Code	3 ZEAMX	3 ZEAMX	3 ZEAMX	3 ZEAMX	4 ZEAMX	4 ZEAMX	4 ZEAMX		
Crop Variety	DKC60-18								
Crop Development	17 18	17 18	17 18	17 18	59 61	59 61	59 61		
Pest Code	12 SETFA	13 AMBTR	11 ABUTH	10 CHEAL	15 SETFA	14 AMBTR	16 ABUTH		
Pest Variety	Giant Foxtail	Giant Ragweed	Velvetleaf	Common Lambsquarter	Giant Foxtail	Giant Ragweed	Velvetleaf		
SE Group No.	1	1	1	1	2	2	2		
Part Assessed	PLATOT								
Assessment Data Type	CONTRO								
Assessment Unit	%	%	%	%	%	%	%		
Assessment Type, Sub-Type	NOR RAW								
Number of Subsamples	1	1	1	1	1	1	1		
ARM Action Codes									
Days After Planting	44DAP-1	44DAP-1	44DAP-1	44DAP-1	69DAP-1	69DAP-1	69DAP-1		
Days After Last Application	16	16	16	16	41	41	41		
No. Decimals Reported									
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	1	2	3	4	5	6	7
17 CHECK UNTREATED	0.0 c	0.0 b	0.0 b	0.0 b	0.0 c	0.0 b	0.0 b	0.0 b	
LSD (P=.05)	19.69	3.42	0.00	4.40	19.45	4.09	0.63		
Standard Deviation	13.78	2.39	0.00	3.08	13.61	2.86	0.44		
CV	16.02	2.57	0.0	3.29	16.41	3.08	0.47		
Bartlett's X2	125.672	47.309	0.0	18.196	196.873	53.747	2.674		
P(Bartlett's X2)	0.001*	0.001*	.	0.001*	0.001*	0.001*	0.614		
Replicate F	2.643	2.292	0.000	0.835	2.781	2.636	0.894		
Replicate Prob(F)	0.0598	0.0900	1.0000	0.4814	0.0510	0.0603	0.4509		
Treatment F	16.648	401.691	0.000	246.834	21.702	280.488	11889.635		
Treatment Prob(F)	0.0001	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001		

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Purdue University

Assessment Date	Jul/09/2007 12:00 AM	Sep/28/2007 12:00 AM	Sep/28/2007 12:00 AM		
Assessed By	KW+MK	KW	KW		
Crop Code	4 ZEAMX	5 ZEAMX	5 ZEAMX		
Crop Variety	DKC60-18	DKC60-18	DKC60-18		
Crop Development	59 61	99 99	99 99		
Pest Code	17 CHEAL				
Pest Variety	Common Lambsquarter				
SE Group No.	2	2	2		
Part Assessed	PLATOT	GRAMAT	GRAMAT		
Assessment Data Type	CONTRO	YIELD	YIELD		
Assessment Unit	%	LB	BU		
Assessment Type, Sub-Type	NOR RAW	NOR RAW	YLD YLR		
Number of Subsamples	1	1	1		
ARM Action Codes			TY1		
Days After Planting	69DAP-1	150DAP-1	150DAP-1		
Days After Last Application	41	122	122		
No. Decimals Reported			1		
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	8	9	10
1 LUMAX 3.94 SE	2200.0	gai/ha	100.0 a	32.35 a	194.9 a
LUMAX 3.94 SE	1100.0	gai/ha			
AATREX 4L	1120.0	gai/ha			
NIS	0.25	%v/v			
2 LEXAR 3.7 SE	3630.0	gai/ha	98.0 a	26.15 a	157.5 a
3 LUMAX 3.94 SE	3300.0	gai/ha	100.0 a	26.65 a	160.5 a
AATREX 4L	1120.0	gai/ha			
4 LEXAR 3.7 SE	1560.0	gai/ha	100.0 a	36.73 a	221.2 a
AMMONIUM SULFATE SG	1020.0	gpr/100l			
A15189	2460.0	gai/ha			
NIS	0.25	%v/v			
5 AATREX 4L	1120.0	gai/ha	100.0 a	32.10 a	193.4 a
PRINCEP 4L	1120.0	gai/ha			
A15189	2460.0	gai/ha			
NIS	0.25	%v/v			
6 BICEP II MAGNUM 5.5 SC	2320.0	gai/ha	100.0 a	32.98 a	198.6 a
AMMONIUM SULFATE SG	1020.0	gpr/100l			
A15189	2460.0	gai/ha			
NIS	0.25	%v/v			
7 A15189	2460.0	gai/ha	100.0 a	35.30 a	212.6 a
AMMONIUM SULFATE SG	1020.0	gpr/100l			
NIS	0.25	%v/v			
AATREX 4L	1120.0	gai/ha			
8 BICEP II MAGNUM 5.5 SC	2160.0	gai/ha	100.0 a	34.58 a	208.3 a
AMMONIUM SULFATE SG	1020.0	gpr/100l			
CALLISTO 4 SC (WF2795)	105.0	gai/ha			
TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha			
9 A15189	2460.0	gai/ha	99.5 a	34.80 a	209.6 a
AMMONIUM SULFATE SG	1020.0	gpr/100l			
NIS	0.25	%v/v			
10 LEXAR 3.7 SE	2340.0	gai/ha	100.0 a	35.38 a	213.1 a
TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha			
AMMONIUM SULFATE SG	1020.0	gpr/100l			

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Assessment Date	Jul/09/2007 12:00 AM	Sep/28/2007 12:00 AM	Sep/28/2007 12:00 AM	KW	
Assessed By	KW+MK	KW	KW	KW	
Crop Code	4 ZEAMX	5 ZEAMX	5 ZEAMX	5 ZEAMX	
Crop Variety	DKC60-18	DKC60-18	DKC60-18	DKC60-18	
Crop Development	59 61	99 99	99 99	99 99	
Pest Code	17 CHEAL				
Pest Variety	Common Lambsquarter				
SE Group No.	2	2	2	2	
Part Assessed	PLATOT	GRAMAT	GRAMAT	GRAMAT	
Assessment Data Type	CONTRO	YIELD	YIELD	YIELD	
Assessment Unit	%	LB	BU	BU	
Assessment Type, Sub-Type	NOR RAW	NOR RAW	YLD YLR	YLD YLR	
Number of Subsamples	1	1	1	1	
ARM Action Codes			TY1	TY1	
Days After Planting	69DAP-1	150DAP-1	150DAP-1	150DAP-1	
Days After Last Application	41	122	122	122	
No. Decimals Reported				1	
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	8	9	10
11 HARNESS XTRA 5.6L	2360.0 gai/ha		100.0 a	36.80 a	221.7 a
AMMONIUM SULFATE SG	1020.0 gpr/100l				
ROUNDUP ORIGINAL MAX	870.0 gae/ha				
12 ROUNDUP ORIGINAL MAX	870.0 gae/ha		95.5 b	37.85 a	228.0 a
AMMONIUM SULFATE SG	1020.0 gpr/100l				
ROUNDUP ORIGINAL MAX	870.0 gae/ha				
AMMONIUM SULFATE SG	1020.0 gpr/100l				
13 DEGREE XTRA 4.04 CS	2260.0 gai/ha		100.0 a	35.73 a	215.2 a
IMPACT 2.8 SC	12.3 gai/ha				
ROUNDUP ORIGINAL MAX	870.0 gae/ha				
AMMONIUM SULFATE SG	1020.0 gpr/100l				
14 RADIUS 4 SC	350.0 gai/ha		100.0 a	33.70 a	203.0 a
LAUDIS 3.5 SC	92.0 gai/ha				
AMMONIUM SULFATE SG	1020.0 gpr/100l				
ROUNDUP ORIGINAL MAX	870.0 gae/ha				
15 GUARDSMAN MAX 5 SC	1400.0 gai/ha		100.0 a	35.87 a	216.1 a
STATUS	98.0 gai/ha				
AMMONIUM SULFATE SG	1020.0 gpr/100l				
ROUNDUP ORIGINAL MAX	870.0 gae/ha				
16 SURESTART	1040.0 gai/ha		99.8 a	36.50 a	219.9 a
AMMONIUM SULFATE SG	1020.0 gpr/100l				
GLYPHOMAX 4 SL (AI)	870.0 gae/ha				
17 CHECK UNTREATED			0.0 c	10.17 b	61.3 b
LSD (P=.05)	2.19	6.701	40.37		
Standard Deviation	1.53	4.689	28.25		
CV	1.64	14.4	14.4		
Bartlett's X2	18.776	34.322	34.322		
P(Bartlett's X2)	0.001*	0.005*	0.005*		
Replicate F	1.106	0.160	0.159		
Replicate Prob(F)	0.3558	0.9229	0.9232		
Treatment F	993.219	7.997	7.996		
Treatment Prob(F)	0.0001	0.0001	0.0001		

Purdue University

Assessment Date	Jul/09/2007 12:00 AM	Sep/28/2007 12:00 AM	Sep/28/2007 12:00 AM
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Crop Variety	DKC60-18	DKC60-18	DKC60-18
Crop Development	59 61	99 99	99 99
Pest Code	17 CHEAL		
Pest Variety	Common Lambsquarter		
SE Group No.	2	2	2
Part Assessed	PLATOT	GRAMAT	GRAMAT
Assessment Data Type	CONTRO	YIELD	YIELD
Assessment Unit	%	LB	BU
Assessment Type, Sub-Type	NOR RAW	NOR RAW	YLD YLR
Number of Subsamples	1	1	1
ARM Action Codes			TY1
Days After Planting	69DAP-1	150DAP-1	150DAP-1
Days After Last Application	41	122	122
No. Decimals Reported			1

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ARM Action Codes

TY1 = 6.02402*[9]