

LSU Northeast Research Station

Red rice control in Clearfield rice.

Trial ID: MR05R105
Location:Study Dir.:
Investigator: Bill Williams**GENERAL TRIAL INFORMATION**

Investigator: Bill Williams

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

Conclusions: Tank mixing Newpath with Prowl improved barnyardgrass, sprangletop and red rice control. Newpath plus Prowl followed by Newpath resulted in red rice control equal to- and better sprangletop control than-two applications of Newpath followed by Beyond. The highest rice yields, at least 20% higher than two Newpath applications, were also observed in these treatments. Outlook, Dual II Magnum and Harness also improved red rice control, but caused severe injury.

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	ECHCG Barnyardgrass, common	Echinochloa crus-galli
2.	ORYSA Rice, common	Oryza sativa
3.	ECLAL Eclipta	Eclipta alba

Crop 1: ORYSA RICE
Planting Date: 5/23/05
Rate: 90 LB/A
Row Spacing: 8 IN

Variety: CL 161
Planting Method: DRILLED
Depth: 0.25 IN
Spacing Within Row: 5 IN
Seed Bed: MEDIUM
Soil Moisture: DRY
Emergence Date: 5/31/05

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 15 FT Reps: 3
Site Type: RICE PADDY
Tillage Type: CONVENTIONAL-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 14	% OM: 1.3	Texture: Silt loam
% Silt: 70	pH: 5.8	Soil Name: Gigger silt loam
% Clay: 16	CEC: 5.8	Fert. Level: EXCELLENT

MOISTURE CONDITIONS

Date	Time	Amount	Unit	Type	Interval	Unit
1.	5/27/05			Flush		
2.	6/3/05			Flush		
3.	6/13/05			Flush		
4.	6/20/05			Flush		
5.	6/28/05	300 lb Urea	fb	Permanent flood		

Overall Moisture Conditions: Dry

Closest Weather Station: Macon Ridge Research Station Distance: 0 Unit: na

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APPLICATION DESCRIPTION

	A	B	C
Application Date:	6/3/05	6/15/05	7/12/05
Time of Day:	10:00	11:00	10:30
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	1-2 lf	10 DPF	2 WAF
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	82 F	96 F	94 F
% Relative Humidity:	70	54	68
Wind Velocity, Unit:	5 S	0 na	1 S
Soil Temp., Unit:	84 S	94 F	92 F
Soil Moisture:	Wet	Wet	Flooded
% Cloud Cover:	80	0	20

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ORYSA 1-2 lf	ORYSA 4-5 lf	ORYSA PI
Stage Scale:	1"	5-6 in	31 in

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	ECHCG	ECHCG 4-5 lf	ECHCG E. boot
Stage Scale:	1"	4-6 in	28 in
Weed 2 Code, Stage:	ORYSA	ORYSA 1-2 T	ORYSA 1 node
Stage Scale:	1"	6-8 in	36 in
Weed 3 Code, Stage:	ECLAL	ECLAL na	ECLAL na
Stage Scale:	1"	4-6 in	18-24 in

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	Backpack	Backpack	Backpack
Operating Pressure:	31	31	31
Nozzle Type:	Greenleaf	Greenleaf	Greenleaf
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	20 "	20 "	20 "
Nozzles/Row:	4	4	4
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Propellant:	CO2	CO2	CO2

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Red rice control in Clearfield rice.

Trial ID: MR05R105
 Location:

Study Dir.:
 Investigator: Bill Williams

Weed Code	ECHCG	ECHCG	ECHCG	ECHCG
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/14/05	6/25/05	7/6/05	7/14/05
Trt-Eval Interval	11 DA-A	10 DA-B	21 DA-B	29 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4
1	Check				0	c 0	g 0	e 0 e
2	NewPath	4	OZ/A	1-2 lf	90	b 62	f 60	d 60 d
	Agridex	1	% V/V	1-2 lf				
3	NewPath	4	OZ/A	1-2 lf	90	b 73	e 88	bc 87 c
	Prowl H2O	1.3	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
4	NewPath	4	OZ/A	1-2 lf	95	a 82	d 92	abc 88 bc
	Prowl H2O	2.6	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
5	NewPath	4	OZ/A	1-2 lf	95	a 90	ab 93	ab 92 abc
	Prowl H2O	5.2	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
6	NewPath	4	OZ/A	1-2 lf	90	b 83	cd 88	bc 90 abc
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
7	NewPath	4	OZ/A	1-2 lf	95	a 90	ab 93	ab 93 ab
	Prowl H2O	1.3	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
8	NewPath	4	OZ/A	1-2 lf	95	a 90	ab 93	ab 93 ab
	Prowl H2O	2.6	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
9	NewPath	4	OZ/A	1-2 lf	95	a 90	ab 95	a 95 a
	Prowl H2O	5.2	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				

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Weed Code	ECHCG	ECHCG	ECHCG	ECHCG
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/14/05	6/25/05	7/6/05	7/14/05
Trt-Eval Interval	11 DA-A	10 DA-B	21 DA-B	29 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4
10	NewPath	4	OZ/A	1-2 lf	95	a 88	bc 90	abc 92
	Agridex	1	% V/V	1-2 lf				abc
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
	Beyond	5	OZ/A	2 WAF				
	Agridex	1	% V/V	2 WAF				
11	NewPath	4	OZ/A	1-2 lf	95	a 92	ab 87	c 88
	Outlook	18	OZ/A	1-2 lf				bc
	Agridex	1	% V/V	1-2 lf				
12	NewPath	4	OZ/A	1-2 lf	95	a 88	bc 92	abc 93
	Outlook	36	OZ/A	1-2 lf				ab
	Agridex	1	% V/V	1-2 lf				
13	NewPath	4	OZ/A	1-2 lf	95	a 95	a 93	ab 95
	Dual II Magnum	1	QT/A	1-2 lf				a
	Agridex	1	% V/V	1-2 lf				
14	NewPath	4	OZ/A	1-2 lf	95	a 95	a 90	abc 92
	Dual II Magnum	2	QT/A	1-2 lf				abc
	Agridex	1	% V/V	1-2 lf				
15	NewPath	4	OZ/A	1-2 lf	95	a 92	ab 92	abc 93
	Harness	2.25	PT/A	1-2 lf				ab
	Agridex	1	% V/V	1-2 lf				
16	NewPath	4	OZ/A	1-2 lf	95	a 93	ab 92	abc 93
	Harness	4.5	PT/A	1-2 lf				ab
	Agridex	1	% V/V	1-2 lf				
LSD (P=.05)					0.0	6.1	5.5	5.7
Bartlett's X2					0.0	8.282	5.826	6.097
P(Bartlett's X2)					.	0.688	0.83	0.807

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.

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Weed Code	ECHCG	ECHCG	LEFPA	LEFPA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/22/05	8/10/05	7/14/05	7/22/05
Trt-Eval Interval	10 DA-C	29 DA-C	29 DA-B	10 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8
1	Check				0	d 0	f 0	e 0 g
2	NewPath	4	OZ/A	1-2 lf	57	c 53	e 60	d 43 f
	Agridex	1	% V/V	1-2 lf				
3	NewPath	4	OZ/A	1-2 lf	87	b 87	bcd 82	c 72 e
	Prowl H2O	1.3	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
4	NewPath	4	OZ/A	1-2 lf	87	b 85	cd 90	b 85 d
	Prowl H2O	2.6	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
5	NewPath	4	OZ/A	1-2 lf	87	b 88	a-d 90	b 88 bcd
	Prowl H2O	5.2	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
6	NewPath	4	OZ/A	1-2 lf	90	ab 88	a-d 83	c 72 e
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
7	NewPath	4	OZ/A	1-2 lf	92	ab 95	a 93	a 92 abc
	Prowl H2O	1.3	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
8	NewPath	4	OZ/A	1-2 lf	93	a 93	ab 95	a 92 abc
	Prowl H2O	2.6	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
9	NewPath	4	OZ/A	1-2 lf	92	ab 93	ab 95	a 92 abc
	Prowl H2O	5.2	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				

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Weed Code	ECHCG	ECHCG	LEFPA	LEFPA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/22/05	8/10/05	7/14/05	7/22/05
Trt-Eval Interval	10 DA-C	29 DA-C	29 DA-B	10 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8	cd
10	NewPath	4	OZ/A	1-2 lf	92	ab 92	abc 95	a 87	cd
	Agridex	1	% V/V	1-2 lf					
	NewPath	4	OZ/A	10 DPF					
	Agridex	1	% V/V	10 DPF					
	Beyond	5	OZ/A	2 WAF					
	Agridex	1	% V/V	2 WAF					
11	NewPath	4	OZ/A	1-2 lf	92	ab 93	ab 95	a 87	cd
	Outlook	18	OZ/A	1-2 lf					
	Agridex	1	% V/V	1-2 lf					
12	NewPath	4	OZ/A	1-2 lf	90	ab 90	abc 95	a 95	a
	Outlook	36	OZ/A	1-2 lf					
	Agridex	1	% V/V	1-2 lf					
13	NewPath	4	OZ/A	1-2 lf	90	ab 87	bcd 95	a 93	ab
	Dual II Magnum	1	QT/A	1-2 lf					
	Agridex	1	% V/V	1-2 lf					
14	NewPath	4	OZ/A	1-2 lf	90	ab 82	d 95	a 93	ab
	Dual II Magnum	2	QT/A	1-2 lf					
	Agridex	1	% V/V	1-2 lf					
15	NewPath	4	OZ/A	1-2 lf	88	ab 88	a-d 95	a 87	cd
	Harness	2.25	PT/A	1-2 lf					
	Agridex	1	% V/V	1-2 lf					
16	NewPath	4	OZ/A	1-2 lf	87	b 88	a-d 95	a 92	abc
	Harness	4.5	PT/A	1-2 lf					
	Agridex	1	% V/V	1-2 lf					
LSD (P=.05)					6.0	6.9	3.0	6.7	
Bartlett's X2					4.545	7.671	1.349	6.71	
P(Bartlett's X2)					0.919	0.81	0.509	0.876	

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.

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Weed Code	ORYSA	ORYSA	ORYSA	ORYSA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/14/05	6/25/05	7/6/05	7/14/05
Trt-Eval Interval	11 DA-A	10 DA-B	21 DA-B	29 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	9	10	11	12
1	Check				0	d 0	i 0	e 0 f
2	NewPath	4	OZ/A	1-2 lf	80	c 57	h 57	d 60 e
	Agridex	1	% V/V	1-2 lf				
3	NewPath	4	OZ/A	1-2 lf	80	c 72	g 80	c 80 d
	Prowl H2O	1.3	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
4	NewPath	4	OZ/A	1-2 lf	95	a 83	ef 88	ab 87 c
	Prowl H2O	2.6	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
5	NewPath	4	OZ/A	1-2 lf	95	a 88	b-e 95	a 93 ab
	Prowl H2O	5.2	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
6	NewPath	4	OZ/A	1-2 lf	80	c 87	c-f 87	bc 90 abc
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
7	NewPath	4	OZ/A	1-2 lf	80	c 92	abc 90	ab 90 abc
	Prowl H2O	1.3	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
8	NewPath	4	OZ/A	1-2 lf	90	b 90	a-d 93	ab 93 ab
	Prowl H2O	2.6	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
9	NewPath	4	OZ/A	1-2 lf	95	a 95	a 95	a 95 a
	Prowl H2O	5.2	QT/A	1-2 lf				
	Agridex	1	% V/V	1-2 lf				
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				

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Weed Code	ORYSA	ORYSA	ORYSA	ORYSA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/14/05	6/25/05	7/6/05	7/14/05
Trt-Eval Interval	11 DA-A	10 DA-B	21 DA-B	29 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt	Treatment	Rate	Unit	Grow	9	10	11	12
No.	Name	Rate	Unit	Stg				
10	NewPath	4	OZ/A	1-2 lf	80	c 82	f 90	ab 92
	Agridex	1	% V/V	1-2 lf				abc
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
	Beyond	5	OZ/A	2 WAF				
	Agridex	1	% V/V	2 WAF				
11	NewPath	4	OZ/A	1-2 lf	90	b 85	def 87	bc 88
	Outlook	18	OZ/A	1-2 lf				bc
	Agridex	1	% V/V	1-2 lf				
12	NewPath	4	OZ/A	1-2 lf	95	a 82	f 90	ab 93
	Outlook	36	OZ/A	1-2 lf				ab
	Agridex	1	% V/V	1-2 lf				
13	NewPath	4	OZ/A	1-2 lf	95	a 90	a-d 93	ab 95
	Dual II Magnum	1	QT/A	1-2 lf				a
	Agridex	1	% V/V	1-2 lf				
14	NewPath	4	OZ/A	1-2 lf	95	a 95	a 90	ab 92
	Dual II Magnum	2	QT/A	1-2 lf				abc
	Agridex	1	% V/V	1-2 lf				
15	NewPath	4	OZ/A	1-2 lf	95	a 92	abc 93	ab 95
	Harness	2.25	PT/A	1-2 lf				a
	Agridex	1	% V/V	1-2 lf				
16	NewPath	4	OZ/A	1-2 lf	95	a 93	ab 92	ab 93
	Harness	4.5	PT/A	1-2 lf				ab
	Agridex	1	% V/V	1-2 lf				
LSD (P=.05)					0.0	6.4	7.0	5.5
Bartlett's X2					0.0	8.91	5.059	7.874
P(Bartlett's X2)					.	0.541	0.829	0.446

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.

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Weed Code	ORYSA	ORYSA	ECLAL	ECLAL
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/22/05	8/10/05	7/6/05	8/10/05
Trt-Eval Interval	10 DA-C	29 DA-C	21 DA-B	29 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt	Treatment	Rate	Unit	Grow	Stg	13	14	15	16			
10	NewPath	4	OZ/A	1-2 lf	95	a	95	a	53	b	90	a
	Agridex	1	% V/V	1-2 lf								
	NewPath	4	OZ/A	10 DPF								
	Agridex	1	% V/V	10 DPF								
	Beyond	5	OZ/A	2 WAF								
	Agridex	1	% V/V	2 WAF								
11	NewPath	4	OZ/A	1-2 lf	88	bcd	87	bcd	57	b	85	a
	Outlook	18	OZ/A	1-2 lf								
	Agridex	1	% V/V	1-2 lf								
12	NewPath	4	OZ/A	1-2 lf	90	abc	90	a-d	57	b	0	c
	Outlook	36	OZ/A	1-2 lf								
	Agridex	1	% V/V	1-2 lf								
13	NewPath	4	OZ/A	1-2 lf	90	abc	93	ab	53	b	0	c
	Dual II Magnum	1	QT/A	1-2 lf								
	Agridex	1	% V/V	1-2 lf								
14	NewPath	4	OZ/A	1-2 lf	90	abc	88	a-d	53	b	0	c
	Dual II Magnum	2	QT/A	1-2 lf								
	Agridex	1	% V/V	1-2 lf								
15	NewPath	4	OZ/A	1-2 lf	88	bcd	78	ef	53	b	0	c
	Harness	2.25	PT/A	1-2 lf								
	Agridex	1	% V/V	1-2 lf								
16	NewPath	4	OZ/A	1-2 lf	87	cd	78	ef	73	ab	0	c
	Harness	4.5	PT/A	1-2 lf								
	Agridex	1	% V/V	1-2 lf								
LSD (P=.05)					6.6		7.9		20.8		20.2	
Bartlett's X2					3.553		5.527		38.73		24.192	
P(Bartlett's X2)					0.895		0.938		0.001*		0.001*	

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.

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Weed Code				ORYSA	ORYSA	ORYSA	ORYSA
Crop Code				STAND C	STAND C	GRAIN C	GRAIN C
Part Rated				REDUCTION	REDUCTION	lb/plt	YIELD
Rating Data Type				%	%	12% Mst	BU
Rating Unit				6/25/05	7/6/05	10/4/05	10/4/05
Trt-Eval Interval				10 DA-B	21 DA-B		
ARM Action Codes							TY1
# Subsamples, Dec.							0
Trt No.	Treatment Name	Rate	Grow Unit	17	18	19	20
1	Check			0	e 0	e 0	f 0
2	NewPath	4	OZ/A 1-2 lf	0	e 0	e 4	d 66
	Agridex	1	% V/V 1-2 lf				
3	NewPath	4	OZ/A 1-2 lf	0	e 0	e 6	c 98
	Prowl H2O	1.3	QT/A 1-2 lf				
	Agridex	1	% V/V 1-2 lf				
4	NewPath	4	OZ/A 1-2 lf	3	e 2	e 8	b 134
	Prowl H2O	2.6	QT/A 1-2 lf				
	Agridex	1	% V/V 1-2 lf				
5	NewPath	4	OZ/A 1-2 lf	5	e 2	e 6	c 95
	Prowl H2O	5.2	QT/A 1-2 lf				
	Agridex	1	% V/V 1-2 lf				
6	NewPath	4	OZ/A 1-2 lf	0	e 2	e 8	b 131
	Agridex	1	% V/V 1-2 lf				
	NewPath	4	OZ/A 10 DPF				
	Agridex	1	% V/V 10 DPF				
7	NewPath	4	OZ/A 1-2 lf	3	e 7	de 10	a 165
	Prowl H2O	1.3	QT/A 1-2 lf				
	Agridex	1	% V/V 1-2 lf				
	NewPath	4	OZ/A 10 DPF				
	Agridex	1	% V/V 10 DPF				
8	NewPath	4	OZ/A 1-2 lf	3	e 2	e 10	a 162
	Prowl H2O	2.6	QT/A 1-2 lf				
	Agridex	1	% V/V 1-2 lf				
	NewPath	4	OZ/A 10 DPF				
	Agridex	1	% V/V 10 DPF				
9	NewPath	4	OZ/A 1-2 lf	3	e 7	de 10	a 163
	Prowl H2O	5.2	QT/A 1-2 lf				
	Agridex	1	% V/V 1-2 lf				
	NewPath	4	OZ/A 10 DPF				
	Agridex	1	% V/V 10 DPF				

LSU Northeast Research Station

Weed Code				ORYSA	ORYSA	ORYSA	ORYSA	
Crop Code				STAND C	STAND C	GRAIN C	GRAIN C	
Part Rated				REDUCTION	REDUCTION	lb/plt	YIELD	
Rating Data Type				%	%	12% Mst	BU	
Rating Unit				6/25/05	7/6/05	10/4/05	10/4/05	
Trt-Eval Interval				10 DA-B	21 DA-B			
ARM Action Codes						TY1		
# Subsamples, Dec.						0		
Trt No.	Treatment Name	Rate	Unit	Grow Stg	17	18	19	20
10	NewPath	4	OZ/A	1-2 lf	3	e 7	de 10	a 165
	Agridex	1	% V/V	1-2 lf				a
	NewPath	4	OZ/A	10 DPF				
	Agridex	1	% V/V	10 DPF				
	Beyond	5	OZ/A	2 WAF				
	Agridex	1	% V/V	2 WAF				
11	NewPath	4	OZ/A	1-2 lf	3	e 27	bcd 8	b 125
	Outlook	18	OZ/A	1-2 lf				b
	Agridex	1	% V/V	1-2 lf				
12	NewPath	4	OZ/A	1-2 lf	23	cd 37	bc 5	d 78
	Outlook	36	OZ/A	1-2 lf				d
	Agridex	1	% V/V	1-2 lf				
13	NewPath	4	OZ/A	1-2 lf	30	c 47	b 4	d 70
	Dual II Magnum	1	QT/A	1-2 lf				d
	Agridex	1	% V/V	1-2 lf				
14	NewPath	4	OZ/A	1-2 lf	83	a 83	a 2	e 30
	Dual II Magnum	2	QT/A	1-2 lf				e
	Agridex	1	% V/V	1-2 lf				
15	NewPath	4	OZ/A	1-2 lf	17	d 17	cde 5	d 74
	Harness	2.25	PT/A	1-2 lf				d
	Agridex	1	% V/V	1-2 lf				
16	NewPath	4	OZ/A	1-2 lf	67	b 27	bcd 2	e 34
	Harness	4.5	PT/A	1-2 lf				e
	Agridex	1	% V/V	1-2 lf				
LSD (P=.05)				8.8	20.5	0.8	13.5	
Bartlett's X2				2.733	30.691	30.108	30.107	
P(Bartlett's X2)				0.994	0.002*	0.007*	0.007*	

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.

Column 20: TY1 = 16.13333*[19]