

POST Glyphosate Timing in Roundup Ready Corn.

Project Code: 07-51W-S90 Location: Belleville Research Center  
Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA  
Trial Status: Final Updated: 1-23-08**Objective:**

Determine the interaction between PRE herbicide and POST application timing in Roundup Ready corn.

Weed Code	Common Name	Scientific Name
1. SETFA	foxtail, giant	Setaria faberi Herrm.
2. PANDI	panicum, fall	Panicum dichotomiflorum Michx.
3. AMBTR	ragweed, giant	Ambrosia trifida L.
4. ABUTH	velvetleaf	Abutilon theophrasti Medicus
5. AMATA	waterhemp, common	Amaranthus rudis Sauer
6. IPOSS	morningglory, species	Ipomoea sp.
7. CYPES	nutsedge, yellow	Cyperus esculentus L.

Crop 1:	ZEAMX	corn, field	Variety:	33K44
Planting Method:	Seeded		Planting Date:	5-22-07
Rate:	28000	S/A	Depth:	1.5 IN
Row Spacing:	30	IN		

Plot Width, Unit:	10	FT	Plot Length, Unit:	27	FT	Reps:	4
Tillage Type:	Reduced-Till		Study Design:	Randomized complete block			
Previous Crop, Year:	ZEAMX, 2006						
Field Prep./Maintenance:	N 150 LB/A, P205 0 LB/A, K20 100 LB/A						

Soil Name:	Weir	% OM:	2.1	pH:	6.8	CEC:	11
Texture:	Silt loam	Fert. Level:	P1: 92 LB/A, K: 336 LB/A				

**APPLICATION DESCRIPTION**

	A	B	C	D
Application Date:	5-23-07	6-11-07	6-18-07	6-25-07
Time of Day:	7:45	9:45	9:00	8:30
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	PRE	10"CN	7DA"B"	14DA"B"
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	70 F	74 F	76 F
% Relative Humidity:	82	92	92	92
Wind Velocity, Unit:	3-5 MPH	0-1 MPH	3-5 MPH	1-3 MPH
Dew Presence (Y/N):	N	N	N	N
Soil Moisture:	NORMAL	NORMAL	NORMAL	NORMAL
% Cloud Cover:	80	100	100	0

**CROP STAGE AT EACH APPLICATION**

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX NA	ZEAMX V4	ZEAMX V5	ZEAMX V6-V7
Height, Unit:	NA NA	10-11 IN	12-14 IN	26-28 IN

**WEED STAGE AT EACH APPLICATION**

	A	B	C	D
Weed 1 Code:	SETFA	SETFA	SETFA	SETFA
Stage (leaves):	3-5	4-6	4-6	4-10
Height (inches):	3-6	4-8	4-8	8-12
Density:	High	High	High	High
Weed 2 Code:	PANDI	PANDI	PANDI	PANDI
Stage (leaves):	2-4	3-5	3-5	4-8
Height (inches):	1-2	2-4	2-4	4-8
Density:	Medium	Medium	Medium	Medium
Weed 3 Code:	AMBTR	AMBTR	AMBTR	AMBTR
Stage (leaves):	4-8	6-10	6-10	6-12
Height (inches):	2-6	10-12	10-12	6-15
Density:	High	High	High	High
Weed 4 Code:	ABUTH	ABUTH	ABUTH	ABUTH
Stage (leaves):	2-4	3-5	3-5	4-7
Height (inches):	3-6	4-6	4-6	6-12
Density:	Medium	Medium	Medium	Medium
Weed 5 Code:	AMATA	AMATA	AMATA	AMATA
Stage (leaves):	4-8	4-8	4-8	6-12
Height (inches):	2-5	3-5	3-5	4-8
Density:	Medium	Low	Low	Low
Weed 6 Code:	IPOSS	IPOSS	IPOSS	IPOSS
Weed 7 Code:	CYPES	CYPES	CYPES	CYPES
Stage (leaves):	4-8	8-10	8-10	10-15
Height (inches):	2-4	4-6	4-6	6-10
Density:	Medium	High	High	High

**APPLICATION EQUIPMENT**

	A	B	C	D
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

NOTES:

POST Glyphosate Timing in Roundup Ready Corn.

Project Code: 07-51W-S90 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Tri-Eval Interval	ZEAMX	ZEAMX	ZEAMX	ZEAMX	SETFA	SETFA	SETFA	SETFA	SETFA	
						Moisture Percent 10-5-07	Yield bu/A 10-5-07	Injury Percent 0 DAPO	Injury Percent 7-9-07 14 DA-D	Control Percent 0 DAPO	Control Percent 7-9-07 14 DA-D	Control Percent 9-27-07 EOS	Plants 0.5m2 9-27-07 EOS	Seeding Percent 9-27-07 EOS	
1	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	10"CN	B	15.5 bc	179 a	0 a	0 a	0 f	83 c	81 f	2.0 ab	88 a
1	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	10"CN	B									
1	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	10"CN	B									
2	AATREX	90 WG	1.0 lb ai/a	1.11 lb/a	PRE	A	15.6 bc	195 a	0 a	0 a	55 c	84 c	88 de	1.3 abc	50 abc
2	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	10"CN	B									
2	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	10"CN	B									
2	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	10"CN	B									
3	BICEP II MAGNUM	5.5 L	1.65 lb ai/a	1.2 qt/a	PRE	A	15.5 bc	192 a	0 a	0 a	99 a	98 a	97 ab	0.4 c	38 bcd
3	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	10"CN	B									
3	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	10"CN	B									
3	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	10"CN	B									
4	LEXAR	3.7 L	2.78 lb ai/a	3 qt/a	PRE	A	15.4 bc	198 a	0 a	0 a	99 a	99 a	99 a	0.4 c	38 bcd
4	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	10"CN	B									
4	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	10"CN	B									
4	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	10"CN	B									
5	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	7DA"B"	C	16.6 a	157 b	0 a	0 a	0 f	83 cd	83 f	0.9 bc	63 ab
5	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	7DA"B"	C									
5	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	7DA"B"	C									
6	AATREX	90 WG	1.0 lb ai/a	1.11 lb/a	PRE	A	15.3 bc	180 a	0 a	0 a	49 d	93 b	90 cd	2.6 a	75 ab
6	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	7DA"B"	C									
6	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	7DA"B"	C									
6	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	7DA"B"	C									
7	BICEP II MAGNUM	5.5 L	1.65 lb ai/a	1.2 qt/a	PRE	A	15.6 bc	191 a	0 a	0 a	98 ab	99 a	98 a	0.1 c	13 cd
7	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	7DA"B"	C									
7	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	7DA"B"	C									
7	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	7DA"B"	C									
8	LEXAR	3.7 L	2.78 lb ai/a	3 qt/a	PRE	A	15.2 c	195 a	0 a	0 a	99 ab	99 a	99 a	0.0 c	0 d
8	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	7DA"B"	C									
8	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	7DA"B"	C									
8	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	7DA"B"	C									
9	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	14DA"B"	D	16.2 ab	152 b	0 a	0 a	0 f	79 d	84 ef	1.5 abc	63 ab
9	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	14DA"B"	D									
9	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	14DA"B"	D									
10	AATREX	90 WG	1.0 lb ai/a	1.11 lb/a	PRE	A	15.0 c	181 a	0 a	0 a	43 e	92 b	93 bc	1.0 bc	38 bcd
10	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	14DA"B"	D									
10	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	14DA"B"	D									
10	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	14DA"B"	D									
11	BICEP II MAGNUM	5.5 L	1.65 lb ai/a	1.2 qt/a	PRE	A	15.6 bc	180 a	0 a	0 a	95 b	99 a	99 a	0.3 c	13 cd
11	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	14DA"B"	D									
11	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	14DA"B"	D									
11	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	14DA"B"	D									
12	LEXAR	3.7 L	2.78 lb ai/a	3 qt/a	PRE	A	15.1 c	194 a	0 a	0 a	98 ab	99 a	99 a	0.0 c	0 d
12	ROUNDUP ORIG MAX	4.5 SL	0.77 lb ae/a	22 fl oz/a	14DA"B"	D									
12	ACTIVATOR 90	100 LIQ	0.25 % v/v	0.25 % v/v	14DA"B"	D									
12	N-PAK AMS	100 LIQ	5.0 % v/v	5 % v/v	14DA"B"	D									
13	NONTREATED						14.9 c	54 c	0 a	0 a	0 f	0 e	0 g	1.4 abc	63 ab
LSD (P=.05)							0.90	20.6	0.0	0.0	3.8	3.8	4.3	1.58	45.8
Replicate F							3.743	2.212	0.000	0.000	2.297	0.945	0.997	1.733	0.797
Replicate Prob(F)							0.0194	0.1035	1.0000	1.0000	0.0941	0.4289	0.4054	0.1775	0.5037
Treatment F							2.263	28.408	0.000	0.000	1124.125	398.842	315.033	2.219	3.188
Treatment Prob(F)							0.0292	0.0001	1.0000	1.0000	0.0001	0.0001	0.0001	0.0323	0.0035

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

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Weed Code	PANDI	PANDI	PANDI	PANDI	PANDI
Crop Code					
Rating Data Type	Control	Control	Control	Plants	Seeding
Rating Unit	Percent	Percent	Percent	0.5m2	Percent
Rating Date	7-9-07	9-27-07	9-27-07	9-27-07	9-27-07
Trt-Eval Interval	0 DAPO	14 DA-D	EOS	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	0 DAPO	14 DA-D	EOS	EOS	EOS
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B	0 c	83 c	84 cd	1.3 a-d	63 ab
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
1	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
2	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	50 b	84 c	85 bcd	1.6 abc	75 a
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
2	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
3	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	99 a	99 a	99 a	0.0 d	0 d
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
3	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
4	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	99 a	99 a	99 a	0.1 cd	13 cd
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
4	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
5	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C	0 c	75 d	80 d	2.0 ab	63 ab
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
5	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
6	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	48 b	93 b	90 b	0.5 bcd	38 bc
6	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
6	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
7	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	96 a	99 a	99 a	0.0 d	0 d
7	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
7	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
8	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	98 a	99 a	99 a	0.0 d	0 d
8	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
8	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D	0 c	70 e	83 cd	2.3 a	44 abc
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
9	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
10	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	48 b	86 c	88 bc	1.1 a-d	63 ab
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
10	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
10	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
11	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	96 a	99 a	99 a	0.0 d	0 d
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
11	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
11	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
12	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	98 a	99 a	99 a	0.0 d	0 d
12	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
12	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
12	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
13	NONTREATED								0 c	0 f	0 e	0.1 cd	13 cd
LSD (P=.05)									4.3	4.9	5.0	1.55	36.5
Replicate F									1.532	1.828	0.773	0.392	0.362
Replicate Prob(F)									0.2227	0.1595	0.5167	0.7593	0.7808
Treatment F									863.248	246.868	228.671	2.431	5.368
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0197	0.0001

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

POST Glyphosate Timing in Roundup Ready Corn.

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 Investigator: Bryan Young

Weed Code	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR
Crop Code					
Rating Data Type	Control	Control	Control	Plants	Seeding
Rating Unit	Percent	Percent	Percent	0.5m2	Percent
Rating Date	7-9-07	9-27-07	9-27-07	9-27-07	9-27-07
Trt-Eval Interval	0 DAPO	14 DA-D	EOS	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	0 e	80 e	80 d	1.3 bc	50 cd
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
1	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
2	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	74 d	90 b	90 b	0.5 bc	38 de
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
2	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
3	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	85 b	91 b	90 b	0.5 bc	50 cd
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
3	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
4	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	96 a	99 a	99 a	0.0 c	0 f
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
4	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
5	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C	0 e	65 f	68 e	1.6 b	88 ab
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
5	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
6	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	80 c	90 bc	89 bc	0.5 bc	38 de
6	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
6	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
7	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	79 c	90 b	90 b	0.8 bc	63 bcd
7	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
7	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
8	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	95 a	99 a	99 a	0.1 c	0 f
8	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
8	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D	0 e	53 g	70 e	1.8 b	75 abc
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
9	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
10	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	73 d	84 de	84 cd	0.9 bc	63 bcd
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
10	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
10	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
11	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	81 bc	85 cd	86 bc	0.1 c	13 ef
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
11	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
11	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
12	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	97 a	98 a	98 a	0.0 c	0 f
12	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
12	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
12	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
13	NONTREATED								0 e	0 h	0 f	4.4 a	100 a
LSD (P=.05)									4.8	4.7	5.9	1.31	32.4
Replicate F									3.707	0.203	2.816	0.651	0.124
Replicate Prob(F)									0.0202	0.8937	0.0528	0.5877	0.9451
Treatment F									614.485	268.846	161.162	6.681	8.813
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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

POST Glyphosate Timing in Roundup Ready Corn.

Project Code: 07-51W-S90 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code					
Rating Data Type	Control	Control	Control	Plants	Seeding
Rating Unit	Percent	Percent	Percent	0.5m2	Percent
Rating Date	7-9-07	9-27-07	9-27-07	9-27-07	9-27-07
Trt-Eval Interval	0 DAPO	14 DA-D	EOS	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B	0 e	79 de	85 cd	0.8 ab	23 ab
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
1	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
2	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	85 bc	91 b	94 ab	0.4 b	25 ab
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
2	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
3	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	90 b	91 b	95 ab	0.0 b	0 b
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
3	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
4	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	97 a	98 a	98 a	0.1 b	0 b
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
4	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
5	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C	0 e	75 e	84 d	0.4 b	13 ab
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
5	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
6	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	80 cd	92 b	95 ab	0.3 b	25 ab
6	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
6	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
7	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	83 cd	92 b	95 ab	0.0 b	0 b
7	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
7	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
8	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	95 a	99 a	99 a	0.0 b	0 b
8	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
8	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D	0 e	68 f	80 d	0.1 b	0 b
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
9	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
10	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	81 cd	84 c	92 b	0.3 b	13 ab
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
10	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
10	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
11	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	78 d	82 cd	90 bc	0.6 ab	38 a
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
11	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
11	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
12	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	97 a	99 a	99 a	0.0 b	0 b
12	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
12	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
12	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
13	NONTREATED								0 e	0 g	0 e	1.4 a	38 a
LSD (P=.05)									5.1	4.8	5.4	0.97	36.2
Replicate F									0.934	0.689	1.044	0.266	0.386
Replicate Prob(F)									0.4341	0.5647	0.3847	0.8497	0.7634
Treatment F									556.272	239.439	191.837	1.375	1.353
Treatment Prob(F)									0.0001	0.0001	0.0001	0.2225	0.2335

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

POST Glyphosate Timing in Roundup Ready Corn.

Project Code: 07-51W-S90 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	AMATA	AMATA	AMATA	AMATA	AMATA
Crop Code					
Rating Data Type	Control	Control	Control	Plants	Seeding
Rating Unit	Percent	Percent	Percent	0.5m2	Percent
Rating Date	7-9-07	9-27-07	9-27-07	9-27-07	9-27-07
Trt-Eval Interval	0 DAPO	14 DA-D	EOS	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B	0 d	86 b	90 b	0.6 ab	63 a
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
1	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
2	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	88 c	99 a	96 a	0.3 abc	25 bcd
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
2	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
3	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	99 a	99 a	99 a	0.0 c	0 d
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
3	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
4	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	99 a	99 a	99 a	0.0 c	0 d
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
4	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
5	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C	0 d	78 c	84 c	0.3 abc	25 bcd
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
5	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
6	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	96 b	99 a	97 a	0.8 a	38 abc
6	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
6	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
7	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	99 a	99 a	99 a	0.1 bc	13 cd
7	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
7	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
8	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	99 a	99 a	99 a	0.0 c	0 d
8	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
8	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D	0 d	73 d	81 c	0.6 ab	38 abc
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
9	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
10	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	89 c	97 a	97 a	0.5 abc	50 ab
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
10	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
10	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
11	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	99 a	99 a	99 a	0.1 bc	13 cd
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
11	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
11	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
12	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	99 a	99 a	99 a	0.0 c	0 d
12	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
12	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
12	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
13	NONTREATED								0 d	0 e	0 d	0.1 bc	13 cd
LSD (P=.05)									1.6	4.0	4.1	0.58	36.7
Replicate F									1.571	2.338	3.258	1.418	1.263
Replicate Prob(F)									0.2132	0.0898	0.0326	0.2534	0.3016
Treatment F									7228.276	379.981	358.065	1.785	2.587
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0890	0.0137

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

POST Glyphosate Timing in Roundup Ready Corn.

Project Code: 07-51W-S90 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	IPOSS	IPOSS	IPOSS	IPOSS	IPOSS
Crop Code	Control	Control	Control	Plants	Seeding
Rating Data Type	Percent	Percent	Percent	0.5m2	Percent
Rating Unit	7-9-07	9-27-07	9-27-07	9-27-07	9-27-07
Rating Date	0 DAPO	14 DA-D	EOS	EOS	EOS
Trt-Eval Interval					

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B	0 d	79 e	84 de	0.8 abc	25 bc
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
1	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
2	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	98 bc	85 d	90 b	0.3 cd	0 c
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
2	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
3	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	98 bc	88 cd	90 b	0.6 a-d	0 c
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
3	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
4	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	99 ab	91 abc	94 a	0.9 ab	0 c
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B					
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B					
4	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B					
5	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C	0 d	75 e	81 ef	0.6 a-d	38 ab
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
5	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
6	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	99 abc	79 e	85 d	0.9 ab	17 bc
6	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
6	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
7	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	99 a	88 bcd	89 bc	0.3 cd	0 c
7	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
7	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
8	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	99 abc	94 a	94 a	0.4 bcd	13 bc
8	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C					
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C					
8	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C					
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D	0 d	69 f	80 f	0.4 bcd	38 ab
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
9	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
10	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	97 c	78 e	86 cd	1.0 a	63 a
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
10	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
10	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
11	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	98 abc	88 bcd	89 bc	0.4 bcd	13 bc
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
11	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
11	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
12	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	99 abc	93 ab	95 a	0.1 d	0 c
12	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D					
12	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D					
12	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D					
13	NONTREATED								0 d	0 g	0 g	0.1 d	0 c
LSD (P=.05)									1.3	5.6	3.5	0.51	30.9
Replicate F									1.265	1.296	3.463	2.256	1.199
Replicate Prob(F)									0.3008	0.2905	0.0262	0.0985	0.3238
Treatment F									11335.760	155.193	407.696	2.824	3.365
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0079	0.0023

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





POST Glyphosate Timing in Roundup Ready Corn.

Project Code: 07-51W-S90 Location: Belleville Research Center  
 Investigator: Bryan Young

Weed Code	CHEAL	CHEAL
Crop Code		
Rating Data Type	Plants	Seeding
Rating Unit	0.5m2	Percent
Rating Date	9-27-07	9-27-07
Trt-Eval Interval	EOS	EOS

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code		
1	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B	0.5	a 21 ab
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B		
1	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B		
2	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	0.3	a 25 ab
2	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B		
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B		
2	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B		
3	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	0.3	a 6 b
3	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B		
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B		
3	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B		
4	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	0.0	a 0 b
4	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	10"CN	B		
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	10"CN	B		
4	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	10"CN	B		
5	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C	0.5	a 50 a
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C		
5	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C		
6	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	0.1	a 13 b
6	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C		
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C		
6	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C		
7	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	0.1	a 13 b
7	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C		
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C		
7	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C		
8	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	0.0	a 0 b
8	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	7DA"B"	C		
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	7DA"B"	C		
8	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	7DA"B"	C		
9	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D	0.1	a 13 b
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D		
9	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D		
10	AATREX	90	WG	1.0 lb ai/a	1.11	lb/a	PRE	A	0.0	a 0 b
10	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D		
10	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D		
10	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D		
11	BICEP II MAGNUM	5.5	L	1.65 lb ai/a	1.2	qt/a	PRE	A	0.0	a 0 b
11	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D		
11	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D		
11	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D		
12	LEXAR	3.7	L	2.78 lb ai/a	3	qt/a	PRE	A	0.0	a 0 b
12	ROUNDUP ORIG MAX	4.5	SL	0.77 lb ae/a	22	fl oz/a	14DA"B"	D		
12	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25	% v/v	14DA"B"	D		
12	N-PAK AMS	100	LIQ	5.0 % v/v	5	% v/v	14DA"B"	D		
13	NONTREATED								0.0	a 0 b
LSD (P=.05)									0.51	31.3
Replicate F									1.027	1.001
Replicate Prob(F)									0.3922	0.4037
Treatment F									1.033	1.778
Treatment Prob(F)									0.4414	0.0902

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

Trial Comments

1. Protocol: Purdue / OSU / SIU.
2. Ratings: CI/WC at each POST timing for plots to be treated, 14 DA "D" and end of season.
3. Assess effect of PRE on population density at time of each POST application in all plots for that POST timing - counts/size distribution, assess nontreated plots along with each POST timing assessment.  
Population density at end of season.
4. Yield.
5. Harvested 10-5-07, (2) 30 inch rows by 24 ft.