

Valor Early Preplant Applications in No-Till Corn.

Trial ID: 08-5D-N130 Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 04-29-08

Objectives: Evaluate early preplant applications of Valor for weed management in no-till corn.

Crop 1: ZEAMD Dent corn Variety: P33K44
 Planting Method: SEEDED Planting Date: 06-14-08
 Rate, Unit: 28000 S/A Depth, Unit: 1.5 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant
 Pest 2 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 28 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2007

Field Prep./Maintenance: N 150 LB/A, P205 0 LB/A, K20 150 LB/A

% OM: 1.5 Texture: SILT LOAM
 pH: 6.6 Soil Name: WINFIELD
 CEC: 7 Fert. Level: P1 81 LB/A, K 313 LB/A

	Application Description			
	A	B	C	D
Application Date:	04-29-08	06-15-08	06-15-08	07-14-08
Time of Day:	11:00	19:00	19:00	3:15
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	14EPP	PRE	28DAP-1	28DAP-2
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	RFK	NRJ	NRJ	TGM
Air Temperature, Unit:	52 F	80 F	80 F	86 F
% Relative Humidity:	60	60	60	50
Wind Velocity, Unit:	0 MPH	1 MPH	1 MPH	1 MPH
Dew Presence (Y/N):	N	N		
Soil Temperature, Unit:	61 F	80 F	80 F	87 F
Soil Moisture:	ABONOR	NORMAL	NORMAL	ABONOR
% Cloud Cover:		75	75	10
Crop stage at application:	04-29-08	06-15-08	06-15-08	07-14-08
Height Min, Max (inch):	NA	NA	NA	V5 26 29

	Pest Stage At Each Application			
	A	B	C	D
Application Date:	04-29-08	06-15-08	06-15-08	07-14-08
Weed Code:	SETFA	SETFA	SETFA	SETFA
Stage Majority (leaves):	NA	NA	NA	NA
Weed Code:	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	8	8	14
Stage Min, Max:		4 10	4 10	10 26
Height Majority:		3 IN	3 IN	18 IN
Height Min, Max:		1 4	1 4	6 25
Density, Unit:		4 FT2	4 FT2	0.5 FT2

Application Equipment

	A	B	C	D
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 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

Valor Early Preplant Applications in No-Till Corn.

Trial ID: 08-5D-N130 Location: Belleville Res. Center

Pest Code	ZEAMD	ZEAMD	ZEAMD	ZEAMD
Crop Code	06-24-08	07-12-08	07-26-08	08-09-08
Rating Date	Injury	Injury	Injury	Injury
Rating Data Type	Percent	Percent	Percent	Percent
Rating Unit	42 DAPP	60 DAPP	42 DAP	56 DAP
Rating Timing	9 DA-B	27 DA-B	12 DA-D	26 DA-D
Trt-Eval Interval				

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 a	0 a	0 a	0 a
2	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
2	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
2	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C				
2	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C				
3	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
3	AATREX	4 SC		1 lb ai/a		1 qt/a		14EPP	A				
3	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
3	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C				
3	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C				
4	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
4	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP	A				
4	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
4	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C				
4	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C				
5	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
5	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP	A				
5	AATREX	4 SC		1 lb ai/a		1 qt/a		14EPP	A				
5	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
5	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C				
5	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C				
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE	B				
6	BICEP II MAG	5.5 SC		2.06 lb ai/a		1.5 qt/a		PRE	B				
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE	B				
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2	D				
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2	D				
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE	B				
7	LEXAR	3.7 SC		1.39 lb ai/a		1.5 qt/a		PRE	B				
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE	B				
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2	D				
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2	D				
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE	B				
8	BALANCE PRO	4 SC		0.047 lb ai/a		1.5 oz/a		PRE	B				
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE	B				
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2	D				
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2	D				
9	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
9	VALOR SX	51 WG		0.056 lb ai/a		1.75 oz/a		14EPP	A				
9	SENCOR	75 WG		0.188 lb ai/a		4 oz/a		14EPP	A				
9	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
9	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C				
9	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C				
10	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
10	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP	A				
10	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A				
10	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C				
10	AATREX	4 SC		1 lb ai/a		1 qt/a		28DAP-1	C				
10	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C				

LSD (P=.05)	0.0	0.0	0.0	0.0
Replicate F	0.000	0.000	0.000	0.000
Replicate Prob(F)	1.0000	1.0000	1.0000	1.0000
Treatment F	0.000	0.000	0.000	0.000
Treatment Prob(F)	1.0000	1.0000	1.0000	1.0000

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

Valor Early Preplant Applications in No-Till Corn.

Trial ID: 08-5D-N130 Location: Belleville Res. Center

								SETFA	SETFA	SETFA	SETFA	SETFA		
Pest Code								06-10-08	06-24-08	07-12-08	07-26-08	08-09-08		
Crop Code								Control	Control	Control	Control	Control		
Rating Date								28 DAPP	42 DAPP	60 DAPP	42 DAP	56 DAP		
Rating Data Type								42 DA-A	9 DA-B	27 DA-B	12 DA-D	26 DA-D		
Rating Unit														
Rating Timing														
Trt-Eval Interval														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	NONTREATED									0 c	0 d	0 d	0 e	0 d
2	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		0 c	97 bc	86 bc	37 cd	28 c
2	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
2	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1 C						
2	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1 C						
3	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		30 b	97 c	88 abc	45 cd	37 c
3	AATREX	4 SC		1 lb ai/a		1 qt/a		14EPP A						
3	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
3	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1 C						
3	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1 C						
4	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		90 a	98 abc	88 abc	53 bc	48 bc
4	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP A						
4	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
4	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1 C						
4	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1 C						
5	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		92 a	98 ab	90 abc	35 d	35 c
5	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP A						
5	AATREX	4 SC		1 lb ai/a		1 qt/a		14EPP A						
5	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
5	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1 C						
5	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1 C						
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		0 c	98 ab	97 a	97 a	97 a
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE B						
6	BICEP II MAG	5.5 SC		2.06 lb ai/a		1.5 qt/a		PRE B						
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE B						
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2 D						
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2 D						
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		0 c	98 a	97 a	97 a	97 a
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE B						
7	LEXAR	3.7 SC		1.39 lb ai/a		1.5 qt/a		PRE B						
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE B						
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2 D						
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2 D						
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		0 c	98 ab	98 a	95 a	95 a
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE B						
8	BALANCE PRO	4 SC		0.047 lb ai/a		1.5 oz/a		PRE B						
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE B						
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2 D						
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2 D						
9	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		82 a	98 abc	80 c	45 cd	37 c
9	VALOR SX	51 WG		0.056 lb ai/a		1.75 oz/a		14EPP A						
9	SENCOR	75 WG		0.188 lb ai/a		4 oz/a		14EPP A						
9	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
9	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1 C						
9	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1 C						
10	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP A		90 a	98 ab	94 ab	63 b	60 b
10	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP A						
10	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP A						
10	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1 C						
10	AATREX	4 SC		1 lb ai/a		1 qt/a		28DAP-1 C						
10	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1 C						
LSD (P=.05)										29.6	1.3	10.2	17.2	21.1
Replicate F										0.847	2.486	1.010	1.510	1.344
Replicate Prob(F)										0.4458	0.1129	0.3851	0.2491	0.2872
Treatment F										19.683	4969.166	73.896	30.468	22.077
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)

Valor Early Preplant Applications in No-Till Corn.

Trial ID: 08-5D-N130 Location: Belleville Res. Center

Pest Code	AMATA	AMATA	AMATA	AMATA	AMATA
Crop Code					
Rating Date	06-10-08	06-24-08	07-12-08	07-26-08	08-09-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing	28 DAPP	42 DAPP	60 DAPP	42 DAP	56 DAP
Trt-Eval Interval	42 DA-A	9 DA-B	27 DA-B	12 DA-D	26 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	NONTREATED									0 c	0 d	0 c	0 d	0 d
2	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 c	93 c	48 b	20 cd	10 cd
2	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
2	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C					
2	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C					
3	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	57 b	94 bc	48 b	17 cd	10 cd
3	AATREX	4 SC		1 lb ai/a		1 qt/a		14EPP	A					
3	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
3	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C					
3	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C					
4	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	82 ab	92 c	37 b	28 c	18 c
4	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP	A					
4	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
4	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C					
4	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C					
5	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	86 a	92 c	47 b	12 cd	7 cd
5	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP	A					
5	AATREX	4 SC		1 lb ai/a		1 qt/a		14EPP	A					
5	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
5	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C					
5	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C					
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 c	97 ab	95 a	97 a	97 a
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE	B					
6	BICEP II MAG	5.5 SC		2.06 lb ai/a		1.5 qt/a		PRE	B					
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE	B					
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2	D					
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2	D					
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 c	99 a	98 a	98 a	98 a
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE	B					
7	LEXAR	3.7 SC		1.39 lb ai/a		1.5 qt/a		PRE	B					
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE	B					
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2	D					
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2	D					
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	0 c	97 ab	95 a	93 a	93 a
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		PRE	B					
8	BALANCE PRO	4 SC		0.047 lb ai/a		1.5 oz/a		PRE	B					
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		PRE	B					
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-2	D					
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-2	D					
9	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	85 ab	92 c	47 b	18 cd	7 cd
9	VALOR SX	51 WG		0.056 lb ai/a		1.75 oz/a		14EPP	A					
9	SENCOR	75 WG		0.188 lb ai/a		4 oz/a		14EPP	A					
9	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
9	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C					
9	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C					
10	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		14EPP	A	85 ab	98 ab	96 a	69 b	63 b
10	VALOR SX	51 WG		0.064 lb ai/a		2 oz/a		14EPP	A					
10	N-PAK AMS	100 SL		5 % v/v		5 % v/v		14EPP	A					
10	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		28DAP-1	C					
10	AATREX	4 SC		1 lb ai/a		1 qt/a		28DAP-1	C					
10	N-PAK AMS	100 SL		5 % v/v		5 % v/v		28DAP-1	C					

LSD (P=.05)	28.8	4.1	20.1	20.6	16.8
Replicate F	1.496	0.745	0.389	2.914	2.174
Replicate Prob(F)	0.2521	0.4894	0.6838	0.0817	0.1443
Treatment F	19.270	470.931	24.362	32.505	55.957
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)

1. Protocol: Valent (MD 68.01).
2. Ratings: CI/WC at 28, 42, and 56 DAP.
3. Blanket application of Roundup PowerMax (22 fl oz/A) + N-PAK AMS (5 % v/v) to be applied 10 ft wide to all plots at 14EPP. Apply the residual component of each treatment at 14EPP individually.
4. DAPP = Days after planned planting date. DA-A = Days after 14EPP application. DA-B = Days after PRE application. DA-D = Days after the 28DAP-2 application.
Due to excessive rainfall, corn was not planted until 46 days after the the 14EPP application (planned for 14 days after application). Because of the longer than planned interval, application timing 28DAP-1 is a POST application following the 14EPP application, while 28DAP-2 is following the PRE application.
Ratings at 28 DAPP were also 42 days after the 14EPP application and prior to the PRE, 28DAP-1 and 28DAP-2 applications.
Ratings at 42 DAPP were also 9 days after the PRE and 28DAP-1 applications and prior to the 28DAP-2 application.
Ratings at 60 DAPP were also 27 days after the PRE and 28DAP-1 applications and prior to the 28DAP-2 application.
5. At the Belleville Research Center the above normal rainfall in spring 2008 (no more than four consecutive rain-free days between March 22 and June 15) delayed corn and soybean planting until mid-June.
6. Following the 14EPP application on May 29, rainfall was 0.8 inch 2 days later, 0.55 inch 3-6 days later, and 1.9 inch 9 days later. Following the PRE application on June 15, rainfall was 0.29 inch 5 days later and 0.35 inch 12 days later.
7. Not harvested.