

MSU Weed Science Research Program

Herbicide and 28% nitrogen interactions in winter wheat

Trial ID: WT02-10 Study Dir.: Sprague and Powell
Conducted: T-15 West Investigator: Christy Sprague

Date Planted: 10/16/2009 Row Spacing: 7.5 IN
Variety: Red Ruby No. of Reps: 4
Population: 2 million seeds/acre % OM: 2.6
Soil Type: Clay Loam pH: 6.6
Plot Size: 10 X 35 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: No-tilled into soybean stubble
Fertilizer: 3/18/10 - Topdressed wheat with 160 lbs/acre urea (75 lbs/acre nitrogen).

Crop and Weed Description

Table with 4 columns: Weed, Code, Common Name, Scientific Name. Lists weeds 1-4 and crop 1.

Application Description

Table with 4 columns: Application Timing, Date Treated, Time Treated, % Cloud Cover, Air Temp., % Relative Humidity, Wind Speed/Unit/Dir, Soil Temp., Soil/Leaf Surface M, Soil Moist. Lists treatments A, B, and C.

Crop Stage at Each Application

Table with 4 columns: Crop Name, Height (In.), Stage (L). Lists crop stages for treatments A, B, and C.

Weed Stage at Each Application

Table with 4 columns: Weed Name, Height (In.), Stage (L). Lists weed stages for treatments A, B, and C.

Weed Density (plants/sq. ft.)

Table with 5 columns: Weed Name, Density. Lists weed densities for treatments 1, 2, 3, and 4.

Application Equipment

Table with 11 columns: Appl, Sprayer, Speed, Nozzle, Nozzle Size, Nozzle Height, Nozzle Spacing, Boom Width, GPA, Carrier, PSI. Lists application equipment for treatments A, B, and C.

Comments: App "C" - Wheat growing point 3" above ground

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Weed Code								TRZAW	TRZAW	TRZAW	TRZAW	STEME	THLAR
Crop Code								injury	injury	injury	injury	control	control
Rating Data Type								percent	percent	percent	percent	percent	percent
Rating Unit								4/15/2010	4/19/2010	4/27/2010	5/10/2010	5/10/2010	5/10/2010
Rating Date								3 DA-A	7 DA-A	15 DA-A	28 DA-A	28 DA-A	28 DA-A
Trt-Eval Interval								0	0	0	0	0	0
# Subsamples, Dec.								0	0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Unit	Stg	Code							
1	Nitrogen (28%)		L	19	gal/a	28% N B	0	0	0	0	0	0	
1	Untreated					POST A							
2	Nitrogen (28%)		L	9.5	gal/a	28% N B	0	0	0	0	0	0	
2	28% UAN (50% carrier)		L	9.5	gal/a	POST A							
3	28% UAN (100% carrier)		L	19	gal/a	POST A	0	0	0	0	0	0	
4	Nitrogen (28%)		L	19	gal/a	28% N B	0	0	3	1	28	99	
4	2,4-D Amine	3.8	L	1	pt/a	POST A							
5	Nitrogen (28%)		L	9.5	gal/a	28% N B	0	0	0	3	33	99	
5	2,4-D Amine	3.8	L	1	pt/a	POST A							
5	28% UAN (50% carrier)		L	9.5	gal/a	POST A							
6	2,4-D Amine	3.8	L	1	pt/a	POST A	1	0	0	0	30	99	
6	28% UAN (100% carrier)		L	19	gal/a	POST A							
7	Nitrogen (28%)		L	19	gal/a	28% N B	0	0	1	0	38	99	
7	2,4-D Ester	3.8	L	1	pt/a	POST A							
8	Nitrogen (28%)		L	9.5	gal/a	28% N B	0	0	0	0	38	99	
8	2,4-D Ester	3.8	L	1	pt/a	POST A							
8	28% UAN (50% carrier)		L	9.5	gal/a	POST A							
9	2,4-D Ester	3.8	L	1	pt/a	POST A	4	2	0	0	33	99	
9	28% UAN (100% carrier)		L	19	gal/a	POST A							
10	Nitrogen (28%)		L	19	gal/a	28% N B	4	7	9	2	99	99	
10	Affinity BroadSpec	50	DF	0.75	oz/a	POST							
10	[Express SG]	50	DF	0.375	oz/a	POST A							
10	[Harmony SG]	50	DF	0.375	oz/a	POST A							
10	Activator 90		L	0.25	% v/v	POST A							
11	Nitrogen (28%)		L	9.5	gal/a	28% N B	13	18	20	4	98	99	
11	Affinity BroadSpec	50	DF	0.75	oz/a	POST							
11	[Express SG]	50	DF	0.375	oz/a	POST A							
11	[Harmony SG]	50	DF	0.375	oz/a	POST A							
11	Activator 90		L	0.25	% v/v	POST A							
11	28% UAN (50% carrier)		L	9.5	gal/a	POST A							
12	Affinity BroadSpec	50	DF	0.75	oz/a	POST	28	30	15	4	99	99	
12	[Express SG]	50	DF	0.375	oz/a	POST A							
12	[Harmony SG]	50	DF	0.375	oz/a	POST A							
12	Activator 90		L	0.25	% v/v	POST A							
12	28% UAN (100% carrier)		L	19	gal/a	POST A							
13	Nitrogen (28%)		L	19	gal/a	28% N B	0	0	0	1	96	99	
13	Huskie	2.08	L	11	fl oz/a	POST A							
13	Activator 90		L	0.25	% v/v	POST A							
13	28% UAN		L	2	qt/a	POST A							
14	Nitrogen (28%)		L	9.5	gal/a	28% N B	8	5	0	0	99	99	
14	Huskie	2.08	L	11	fl oz/a	POST A							
14	Activator 90		L	0.25	% v/v	POST A							
14	28% UAN (50% carrier)		L	9.5	gal/a	POST A							

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Weed Code								TRZAW	TRZAW	TRZAW	TRZAW	STEME	THLAR
Crop Code								injury	injury	injury	injury	control	control
Rating Data Type								percent	percent	percent	percent	percent	percent
Rating Unit								4/15/2010	4/19/2010	4/27/2010	5/10/2010	5/10/2010	5/10/2010
Rating Date								3 DA-A	7 DA-A	15 DA-A	28 DA-A	28 DA-A	28 DA-A
Trt-Eval Interval								0	0	0	0	0	0
# Subsamples, Dec.								0	0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Unit	Stg	Code							
15	Huskie	2.08	L	11	fl oz/a	POST	A	29	29	1	0	95	99
15	Activator 90		L	0.25	% v/v	POST	A						
15	28% UAN (100% carrier)		L	19	gal/a	POST	A						
16	Nitrogen (28%)		L	9.5	gal/a	28% N	B	0	0	0	7	0	0
16	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
17	28% UAN (100% carrier)		L	19	gal/a	LPOS	C	0	0	0	8	0	0
18	Nitrogen (28%)		L	19	gal/a	28% N	B	0	0	0	0	0	0
18	2,4-D Ester	3.8	L	1	pt/a	LPOS	C						
19	Nitrogen (28%)		L	9.5	gal/a	28% N	B	0	0	0	6	0	0
19	2,4-D Ester	3.8	L	1	pt/a	LPOS	C						
19	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
20	2,4-D Ester	3.8	L	1	pt/a	LPOS	C	0	0	0	15	0	0
20	28% UAN (100% carrier)		L	19	gal/a	LPOS	C						
21	Nitrogen (28%)		L	19	gal/a	28% N	B	0	0	0	0	0	0
21	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS							
21	[Express SG]	50	DF	0.375	oz/a	LPOS	C						
21	[Harmony SG]	50	DF	0.375	oz/a	LPOS	C						
21	Activator 90		L	0.25	% v/v	LPOS	C						
22	Nitrogen (28%)		L	9.5	gal/a	28% N	B	0	0	0	18	0	0
22	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS							
22	[Express SG]	50	DF	0.375	oz/a	LPOS	C						
22	[Harmony SG]	50	DF	0.375	oz/a	LPOS	C						
22	Activator 90		L	0.25	% v/v	LPOS	C						
22	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
23	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS		0	0	0	31	0	0
23	[Express SG]	50	DF	0.375	oz/a	LPOS	C						
23	[Harmony SG]	50	DF	0.375	oz/a	LPOS	C						
23	Activator 90		L	0.25	% v/v	LPOS	C						
23	28% UAN (100% carrier)		L	19	gal/a	LPOS	C						
24	Nitrogen (28%)		L	19	gal/a	28% N	B	0	0	0	1	0	0
24	Huskie	2.08	L	11	fl oz/a	LPOS	C						
24	Activator 90		L	0.25	% v/v	LPOS	C						
24	28% UAN		L	2	qt/a	LPOS	C						
25	Nitrogen (28%)		L	9.5	gal/a	28% N	B	0	0	0	13	0	0
25	Huskie	2.08	L	11	fl oz/a	LPOS	C						
25	Activator 90		L	0.25	% v/v	LPOS	C						
25	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
26	Huskie	2.08	L	11	fl oz/a	LPOS	C	0	0	0	34	0	0
26	Activator 90		L	0.25	% v/v	LPOS	C						
26	28% UAN (100% carrier)		L	19	gal/a	LPOS	C						
LSD (P=.05)								2.2	1.7	3.1	2.9	5.2	0.0
Standard Deviation								1.6	1.2	2.2	2.1	3.7	0.0
CV								48.03	35.64	117.68	37.1	12.21	0.0

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Trial ID: WT02-10  
Conducted: T-15 WestStudy Dir.: Sprague and Powell  
Investigator: Christy Sprague

Weed Code								ERYRE	AMBEL	TRZAW	STEME	THLAR	ERYRE
Crop Code													
Rating Data Type								control	control	injury	control	control	control
Rating Unit								percent	percent	percent	percent	percent	percent
Rating Date								5/10/2010	5/10/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
Trt-Eval Interval								28 DA-A	28 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
# Subsamples, Dec.								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code						
1	Nitrogen (28%)		L	19	gal/a	28% N	B	0	0	0	0	0	0
1	Untreated					POST	A						
2	Nitrogen (28%)		L	9.5	gal/a	28% N	B	0	0	0	0	0	0
2	28% UAN (50% carrier)		L	9.5	gal/a	POST	A						
3	28% UAN (100% carrier)		L	19	gal/a	POST	A	0	0	0	0	0	0
4	Nitrogen (28%)		L	19	gal/a	28% N	B	92	99	0	26	99	96
4	2,4-D Amine	3.8	L	1	pt/a	POST	A						
5	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	99	0	29	99	99
5	2,4-D Amine	3.8	L	1	pt/a	POST	A						
5	28% UAN (50% carrier)		L	9.5	gal/a	POST	A						
6	2,4-D Amine	3.8	L	1	pt/a	POST	A	99	99	0	29	99	99
6	28% UAN (100% carrier)		L	19	gal/a	POST	A						
7	Nitrogen (28%)		L	19	gal/a	28% N	B	99	99	0	34	99	99
7	2,4-D Ester	3.8	L	1	pt/a	POST	A						
8	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	99	0	38	99	99
8	2,4-D Ester	3.8	L	1	pt/a	POST	A						
8	28% UAN (50% carrier)		L	9.5	gal/a	POST	A						
9	2,4-D Ester	3.8	L	1	pt/a	POST	A	99	99	0	34	99	99
9	28% UAN (100% carrier)		L	19	gal/a	POST	A						
10	Nitrogen (28%)		L	19	gal/a	28% N	B	99	99	0	99	99	99
10	Affinity BroadSpec	50	DF	0.75	oz/a	POST							
10	[Express SG]	50	DF	0.375	oz/a	POST	A						
10	[Harmony SG]	50	DF	0.375	oz/a	POST	A						
10	Activator 90		L	0.25	% v/v	POST	A						
11	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	99	0	97	99	99
11	Affinity BroadSpec	50	DF	0.75	oz/a	POST							
11	[Express SG]	50	DF	0.375	oz/a	POST	A						
11	[Harmony SG]	50	DF	0.375	oz/a	POST	A						
11	Activator 90		L	0.25	% v/v	POST	A						
11	28% UAN (50% carrier)		L	9.5	gal/a	POST	A						
12	Affinity BroadSpec	50	DF	0.75	oz/a	POST		99	99	0	99	99	99
12	[Express SG]	50	DF	0.375	oz/a	POST	A						
12	[Harmony SG]	50	DF	0.375	oz/a	POST	A						
12	Activator 90		L	0.25	% v/v	POST	A						
12	28% UAN (100% carrier)		L	19	gal/a	POST	A						
13	Nitrogen (28%)		L	19	gal/a	28% N	B	99	99	0	96	99	99
13	Huskie	2.08	L	11	fl oz/a	POST	A						
13	Activator 90		L	0.25	% v/v	POST	A						
13	28% UAN		L	2	qt/a	POST	A						
14	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	99	0	98	99	99
14	Huskie	2.08	L	11	fl oz/a	POST	A						
14	Activator 90		L	0.25	% v/v	POST	A						
14	28% UAN (50% carrier)		L	9.5	gal/a	POST	A						

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Weed Code								ERYRE	AMBEL	TRZAW	STEME	THLAR	ERYRE
Crop Code													
Rating Data Type								control	control	injury	control	control	control
Rating Unit								percent	percent	percent	percent	percent	percent
Rating Date								5/10/2010	5/10/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
Trt-Eval Interval								28 DA-A	28 DA-A	35 DA-A	35 DA-A	35 DA-A	35 DA-A
# Subsamples, Dec.								0	0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Unit	Stg	Code							
15	Huskie	2.08	L	11	fl oz/a	POST A	99	99	0	91	99	99	
15	Activator 90		L	0.25	% v/v	POST A							
15	28% UAN (100% carrier)		L	19	gal/a	POST A							
16	Nitrogen (28%)		L	9.5	gal/a	28% N B	0	0	0	0	0	0	
16	28% UAN (50% carrier)		L	9.5	gal/a	LPOS C							
17	28% UAN (100% carrier)		L	19	gal/a	LPOS C	0	0	0	0	0	0	
18	Nitrogen (28%)		L	19	gal/a	28% N B	0	0	0	15	99	88	
18	2,4-D Ester	3.8	L	1	pt/a	LPOS C							
19	Nitrogen (28%)		L	9.5	gal/a	28% N B	0	0	0	20	99	87	
19	2,4-D Ester	3.8	L	1	pt/a	LPOS C							
19	28% UAN (50% carrier)		L	9.5	gal/a	LPOS C							
20	2,4-D Ester	3.8	L	1	pt/a	LPOS C	0	0	6	20	99	86	
20	28% UAN (100% carrier)		L	19	gal/a	LPOS C							
21	Nitrogen (28%)		L	19	gal/a	28% N B	0	0	0	90	98	88	
21	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS							
21	[Express SG]	50	DF	0.375	oz/a	LPOS C							
21	[Harmony SG]	50	DF	0.375	oz/a	LPOS C							
21	Activator 90		L	0.25	% v/v	LPOS C							
22	Nitrogen (28%)		L	9.5	gal/a	28% N B	0	0	9	93	95	90	
22	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS							
22	[Express SG]	50	DF	0.375	oz/a	LPOS C							
22	[Harmony SG]	50	DF	0.375	oz/a	LPOS C							
22	Activator 90		L	0.25	% v/v	LPOS C							
22	28% UAN (50% carrier)		L	9.5	gal/a	LPOS C							
23	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS	0	0	18	90	98	97	
23	[Express SG]	50	DF	0.375	oz/a	LPOS C							
23	[Harmony SG]	50	DF	0.375	oz/a	LPOS C							
23	Activator 90		L	0.25	% v/v	LPOS C							
23	28% UAN (100% carrier)		L	19	gal/a	LPOS C							
24	Nitrogen (28%)		L	19	gal/a	28% N B	0	0	0	88	99	89	
24	Huskie	2.08	L	11	fl oz/a	LPOS C							
24	Activator 90		L	0.25	% v/v	LPOS C							
24	28% UAN		L	2	qt/a	LPOS C							
25	Nitrogen (28%)		L	9.5	gal/a	28% N B	0	0	5	89	99	95	
25	Huskie	2.08	L	11	fl oz/a	LPOS C							
25	Activator 90		L	0.25	% v/v	LPOS C							
25	28% UAN (50% carrier)		L	9.5	gal/a	LPOS C							
26	Huskie	2.08	L	11	fl oz/a	LPOS C	0	0	13	89	99	97	
26	Activator 90		L	0.25	% v/v	LPOS C							
26	28% UAN (100% carrier)		L	19	gal/a	LPOS C							
LSD (P=.05)							4.0	0.0	2.0	6.3	1.3	3.6	
Standard Deviation							2.8	0.0	1.4	4.5	0.9	2.6	
CV							6.26	0.0	76.47	8.51	1.16	3.32	

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Investigator: Christy Sprague

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	# Subsamples, Dec.	AMBEL	TRZAW	TRZAW	AMBEL	
							control	moisture	yield	control	
							percent	percent	bu/acre	percent	
							5/17/2010	7/13/2010	7/13/2010	8/2/2010	
							35 DA-A	92 DA-A	at 13% M	112 DA-A	
							0	1	1	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Nitrogen (28%)		L	19	gal/a	28% N	B	0	16.6	82.1	91
1	Untreated					POST	A				
2	Nitrogen (28%)		L	9.5	gal/a	28% N	B	0	16.3	91.3	91
2	28% UAN (50% carrier)		L	9.5	gal/a	POST	A				
3	28% UAN (100% carrier)		L	19	gal/a	POST	A	0	16.2	87.6	94
4	Nitrogen (28%)		L	19	gal/a	28% N	B	99	16.3	86.8	96
4	2,4-D Amine	3.8	L	1	pt/a	POST	A				
5	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	16.0	88.6	97
5	2,4-D Amine	3.8	L	1	pt/a	POST	A				
5	28% UAN (50% carrier)		L	9.5	gal/a	POST	A				
6	2,4-D Amine	3.8	L	1	pt/a	POST	A	99	16.1	97.9	98
6	28% UAN (100% carrier)		L	19	gal/a	POST	A				
7	Nitrogen (28%)		L	19	gal/a	28% N	B	99	16.0	94.2	99
7	2,4-D Ester	3.8	L	1	pt/a	POST	A				
8	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	16.3	92.4	99
8	2,4-D Ester	3.8	L	1	pt/a	POST	A				
8	28% UAN (50% carrier)		L	9.5	gal/a	POST	A				
9	2,4-D Ester	3.8	L	1	pt/a	POST	A	99	16.3	96.0	99
9	28% UAN (100% carrier)		L	19	gal/a	POST	A				
10	Nitrogen (28%)		L	19	gal/a	28% N	B	99	16.2	95.1	98
10	Affinity BroadSpec	50	DF	0.75	oz/a	POST					
10	[Express SG]	50	DF	0.375	oz/a	POST	A				
10	[Harmony SG]	50	DF	0.375	oz/a	POST	A				
10	Activator 90		L	0.25	% v/v	POST	A				
11	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	15.8	93.5	99
11	Affinity BroadSpec	50	DF	0.75	oz/a	POST					
11	[Express SG]	50	DF	0.375	oz/a	POST	A				
11	[Harmony SG]	50	DF	0.375	oz/a	POST	A				
11	Activator 90		L	0.25	% v/v	POST	A				
11	28% UAN (50% carrier)		L	9.5	gal/a	POST	A				
12	Affinity BroadSpec	50	DF	0.75	oz/a	POST		99	16.0	89.2	99
12	[Express SG]	50	DF	0.375	oz/a	POST	A				
12	[Harmony SG]	50	DF	0.375	oz/a	POST	A				
12	Activator 90		L	0.25	% v/v	POST	A				
12	28% UAN (100% carrier)		L	19	gal/a	POST	A				
13	Nitrogen (28%)		L	19	gal/a	28% N	B	99	15.8	96.3	99
13	Huskie	2.08	L	11	fl oz/a	POST	A				
13	Activator 90		L	0.25	% v/v	POST	A				
13	28% UAN		L	2	qt/a	POST	A				
14	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	15.8	92.6	99
14	Huskie	2.08	L	11	fl oz/a	POST	A				
14	Activator 90		L	0.25	% v/v	POST	A				
14	28% UAN (50% carrier)		L	9.5	gal/a	POST	A				

## MSU Weed Science Research Program

Herbicide and 28% nitrogen interactions in winter wheat

Trial ID: WT02-10  
Conducted: T-15 WestStudy Dir.: Sprague and Powell  
Investigator: Christy Sprague

Weed Code								AMBEL		TRZAW		AMBEL	
Crop Code								control		moisture		control	
Rating Data Type								percent		percent		percent	
Rating Unit								5/17/2010		7/13/2010		7/13/2010	
Rating Date								35 DA-A		92 DA-A		8/2/2010	
Trt-Eval Interval								0		1		112 DA-A	
# Subsamples, Dec.								0		1		0	
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Unit	Stg	Code							
15	Huskie	2.08	L	11	fl oz/a	POST	A	99	15.7	88.4	99		
15	Activator 90		L	0.25	% v/v	POST	A						
15	28% UAN (100% carrier)		L	19	gal/a	POST	A						
16	Nitrogen (28%)		L	9.5	gal/a	28% N	B	0	16.2	89.6	99		
16	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
17	28% UAN (100% carrier)		L	19	gal/a	LPOS	C	0	16.0	86.1	99		
18	Nitrogen (28%)		L	19	gal/a	28% N	B	99	15.9	98.2	99		
18	2,4-D Ester	3.8	L	1	pt/a	LPOS	C						
19	Nitrogen (28%)		L	9.5	gal/a	28% N	B	99	16.0	83.7	99		
19	2,4-D Ester	3.8	L	1	pt/a	LPOS	C						
19	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
20	2,4-D Ester	3.8	L	1	pt/a	LPOS	C	99	16.1	93.0	99		
20	28% UAN (100% carrier)		L	19	gal/a	LPOS	C						
21	Nitrogen (28%)		L	19	gal/a	28% N	B	85	16.1	89.2	99		
21	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS							
21	[Express SG]	50	DF	0.375	oz/a	LPOS	C						
21	[Harmony SG]	50	DF	0.375	oz/a	LPOS	C						
21	Activator 90		L	0.25	% v/v	LPOS	C						
22	Nitrogen (28%)		L	9.5	gal/a	28% N	B	87	15.8	78.8	97		
22	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS							
22	[Express SG]	50	DF	0.375	oz/a	LPOS	C						
22	[Harmony SG]	50	DF	0.375	oz/a	LPOS	C						
22	Activator 90		L	0.25	% v/v	LPOS	C						
22	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
23	Affinity BroadSpec	50	DF	0.75	oz/a	LPOS		88	15.8	82.8	99		
23	[Express SG]	50	DF	0.375	oz/a	LPOS	C						
23	[Harmony SG]	50	DF	0.375	oz/a	LPOS	C						
23	Activator 90		L	0.25	% v/v	LPOS	C						
23	28% UAN (100% carrier)		L	19	gal/a	LPOS	C						
24	Nitrogen (28%)		L	19	gal/a	28% N	B	86	16.2	90.8	99		
24	Huskie	2.08	L	11	fl oz/a	LPOS	C						
24	Activator 90		L	0.25	% v/v	LPOS	C						
24	28% UAN		L	2	qt/a	LPOS	C						
25	Nitrogen (28%)		L	9.5	gal/a	28% N	B	88	16.0	86.5	99		
25	Huskie	2.08	L	11	fl oz/a	LPOS	C						
25	Activator 90		L	0.25	% v/v	LPOS	C						
25	28% UAN (50% carrier)		L	9.5	gal/a	LPOS	C						
26	Huskie	2.08	L	11	fl oz/a	LPOS	C	85	15.8	76.6	99		
26	Activator 90		L	0.25	% v/v	LPOS	C						
26	28% UAN (100% carrier)		L	19	gal/a	LPOS	C						
LSD (P=.05)								2.2	0.65	10.09	6.0		
Standard Deviation								1.6	0.46	7.14	4.3		
CV								2.01	2.86	7.97	4.36		