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FMC U.S. Winter Wheat - 2013-14 - F9312-3 PRE and E Post Application Timing University Testing Technical Support Protocol

Trial ID: 14WHEAT2 Location: Trial Year: 2014
 Protocol ID: PYR,WHEA.13.JPR.01(oo) Investigator: Dr. Mark M. Loux
 Project ID: NA13-1102 Study Director:
 Sponsor Contact:

Crop Description
Crop 1: TRZAW Triticum aestivum (winter) Winter wheat
Variety: 112316 **BBCH Scale:** BCER
Description: Seed Consultants SC1342

Planting Rate, Unit: 126 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 7.5 IN
Planting Date: Oct-5-2013
Planting Method: DRILLE drilled
Planting Equipment: DD Disc Drill
Emergence Date: Oct-11-2013
Harvest Date: Jul-9-2014
Harvested Width, Unit: 6.25 FT
Harvested Length, Unit: 30 FT
Harvest Equipment: Massey Ferguson 8 XP
% Standard Moisture: 13.5
Moisture Meter: Harvest Master
Weighing Equipment: Harvest Master

Soil Temperature, Unit: 65 F
Soil Moisture: SLIWET slightly wet, moist
Seed Bed: MEDTRA medium/trashy

Pest Description

Pest 1 Type: W **Code:** STEME *Stellaria media*
Common Name: Common chickweed
Pest 2 Type: W **Code:** LAMPU *Lamium purpureum*
Common Name: Purple deadnettel

Site and Design

Treated Plot Width: 10 FT
Treated Plot Length: 30 FT
Treated Plot Area: 300 FT2 **Treatments:** 10
Replications: 3
Untreated Arrangement: INCLUDED single control randomized in each block
Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: MINTIL minimum-till
Study Design: RACOB L Randomized Complete Block (RCB)

No. Previous Crop Year
 1. Soybean 2013

Maintenance

No.	Date	Maintenance Product Name	Form Conc	Form Type	Form Rate	Rate Unit	Tank Mix	Tank Code	Tank Mix
1.	Oct-5-2013	Roundup Weathermax	4.5	SL	22	OZ	N		no

Soil Description

Description Name: G-8 East
% OM: 1.7 **Texture:** SIC silty clay
pH: 7 **Soil Name:** Crosby
CEC: 15 **Fert. Level:** M
Soil Drainage: F fair

Application Description

	A	B	C
Application Date:	Oct-3-2013	Oct-5-2013	Nov-8-2013
Appl. Start Time:	2:45 PM	1:00 PM	9:50 AM
Appl. Stop Time:	2:50 PM	1:30 PM	10:00 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PREPRE	PREPLA	POEMAE
Application Placement:	BROADC	BROADC	BROADC
Applied By:	Dobbels	Dobbels	Dobbels
Air Temperature, Unit:	73 F	71 F	42 F
% Relative Humidity:	80	80	86
Wind Velocity, Unit:	4.5 MPH	3 MPH	5 MPH
Wind Direction:	SSW	WSW	WNW
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	66 F	68 F	40 F
Soil Moisture:	GOOD	WET	WET
% Cloud Cover:	90	90	95
Next Moisture Occurred On:	Oct-3-2013	Oct-5-2013	Nov-12-2013
Time to Next Moisture, Unit:	1 HR	10 HR	3 DAY

Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale:	TRZAW	BCER	TRZAW	BCER	TRZAW	BCER
Stage Scale Used:	BBCH		BBCH		BBCH	
Stage Majority, Percent:	00	100	00	100	13	100
Height, Unit:					3	IN

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Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	STEME W	STEME W	STEME W
Stage Majority, Percent:			14 50
Stage Minimum, Percent:			14 50
Stage Maximum, Percent:			16 50
Diameter, Unit:			1 IN
Height, Unit:			0.5 IN
Height Minimum, Maximum:			0.25 0.5
Density, Unit:			3 M2
Pest 2 Code, Type, Scale:	LAMPU W	LAMPU W	LAMPU W
Stage Majority, Percent:			14 90
Stage Minimum, Percent:			14 90
Stage Maximum, Percent:			16 10
Diameter, Unit:			1 IN
Height, Unit:			1 IN
Height Minimum, Maximum:			0.5 1
Density, Unit:			2 M2

Application Equipment

	A	B	C
Appl. Equipment:	10' AI XR	10' AI XR	10' AI XR
Equipment Type:	SPRBAC	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	46 PSI	46 PSI
Nozzle Type:	AI XR	AI XR	AI XR
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Boom Length, Unit:	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Mix Size, Unit:	3 Liters	3 Liters	3 Liters
Propellant:	CO2	CO2	CO2

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Trial ID: 14WHEAT2 Location: Trial Year: 2014
 Protocol ID: PYR,WHEA.13.JPR.01(oo) Investigator: Dr. Mark M. Loux
 Project ID: NA13-1102 Study Director:
 Sponsor Contact:

Pest Type	TRZAW	TRZAW	TRZAW	W Weed
Pest Code	BCER	BCER	BCER	STEME
Pest Scientific Name	Triticum aesti>	Triticum aesti>	Triticum aesti>	Stellaria media
Pest Name	Winter wheat	Winter wheat	Winter wheat	Common chickwe>
Crop Code	Oct-18-2013	Nov-8-2013	Nov-22-2013	
BBCH Scale	PHYGEN	PHYGEN	PHYGEN	Nov-22-2013
Crop Scientific Name	%	%	%	CONTRO
Crop Name	1 plot	1 plot	1 ROWm	%
Rating Date	1	1	0	1
Rating Type	1	2	3	4
Rating Unit	A1	A1	A2	
Sample Size, Unit	15 13	36 34	50 14	50 14
Number of Subsamples	7	7	15	
SE Group No.	13 DP-1	34 DP-1	48 DP-1	48 DP-1
Rating Timing	7 DE-1	28 DE-1	42 DE-1	42 DE-1
Days After First/Last Applic.				ET9
Trt-Eval Interval	0	0	0	0
Plant-Eval Interval				
Days After Emergence				
ARM Action Codes				
Number of Decimals				

Trt Treatment	Rate	Other	Other	Appl	1	2	3	4
No. Name	Rate	Unit	Rate	Rate	Unit	Code		
1 UNTREATED				A	0	0	0	0
2 F9312-3	0.078 lb ai/a		2.5 oz/a	A	0	0	0	60
3 F9312-3	0.094 lb ai/a		3.0 oz/a	A	0	0	0	83
4 F9312-3	0.119 lb ai/a		3.8 oz/a	A	0	0	0	77
5 F9312-3	0.119 lb ai/a		3.8 oz/a	B	0	0	0	77
6 F9312-3	0.095 lb ai/a		3.0 oz/a	A	0	0	0	73
6 POWERFLEX	0.0117 lb ai/a		2.5 oz/a	C				
6 NIS	0.25 % v/v		4.8 oz/a	C				
6 AMMONIUM SULFATE	5 % v/v		3 qt/a	C				
7 F9312-3	0.078 lb ai/a		2.5 oz/a	A	0	0	0	55
7 POWERFLEX	0.0117 lb ai/a		2.5 oz/a	C				
7 NIS	0.25 % v/v		4.8 oz/a	C				
7 AMMONIUM SULFATE	5 % v/v		3 qt/a	C				
8 POWERFLEX	0.0164 lb ai/a		3.5 oz/a	C	0	0	0	33
8 NIS	0.25 % v/v		4.8 oz/a	C				
8 AMMONIUM SULFATE	5 % v/v		3 qt/a	C				
9 F9312-3	0.119 lb ai/a		3.8 oz/a	A	0	0	0	83
9 metribuzin	0.094 lb ai/a		2 oz/a	C				

t=Mean descriptions are reported in transformed data units, and are not de-transformed.
 Missing data estimates are included in columns: Yates=6,14; Average=10

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Pest Type					W Weed	
Pest Code					STEME	
Pest Scientific Name					Stellaria media	
Pest Name					Common chickwe>	
Crop Code	TRZAW	TRZAW	TRZAW			
BBCH Scale	BCER	BCER	BCER			
Crop Scientific Name	Triticum aesti>	Triticum aesti>	Triticum aesti>			
Crop Name	Winter wheat	Winter wheat	Winter wheat			
Rating Date	Oct-18-2013	Nov-8-2013	Nov-22-2013	Nov-22-2013		
Rating Type	PHYGEN	PHYGEN	PHYGEN	CONTRO		
Rating Unit	%	%	%	%		
Sample Size, Unit	1 plot	1 plot	1 ROWm			
Number of Subsamples	1	1	0	1		
SE Group No.	1	2	3	4		
Rating Timing	A1	A1	A2			
Days After First/Last Applic.	15 13	36 34	50 14	50 14		
Trt-Eval Interval	7	7	15			
Plant-Eval Interval	13 DP-1	34 DP-1	48 DP-1	48 DP-1		
Days After Emergence	7 DE-1	28 DE-1	42 DE-1	42 DE-1		
ARM Action Codes					ET9	
Number of Decimals	0	0	0	0		
Trt Treatment	Rate	Other	Other	Appl		
No. Name	Rate	Unit	Rate	Rate	Unit	Code
10 Sharpen	0.0223	lb ai/a	1	oz/a	A	1
10 MSO		1 % v/v	0.6	qt/a	A	2
						3
						4
						33
LSD (P=.05)	0.0	0.0	0.0	33.6		
Standard Deviation	0.0	0.0	0.0	19.6		
CV	0.0	0.0	0.0	34.1		
Bartlett's X2	0.0	0.0	0.0	11.081		
P(Bartlett's X2)	.	.	.	0.197		
Skewness	.	.	.	-0.7994		
Kurtosis	.	.	.	-0.8172		
Replicate F	0.000	0.000	0.000	4.414		
Replicate Prob(F)	1.0000	1.0000	1.0000	0.0275		
Treatment F	0.000	0.000	0.000	5.901		
Treatment Prob(F)	1.0000	1.0000	1.0000	0.0007		

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Pest Type	W Weed	W Weed	W Weed							
Pest Code	LAMPU	ERICA	STEME							
Pest Scientific Name	Lamium purpure>	Conyza canad>	Stellaria media							
Pest Name	Purple deadnet>	Canada horsewe>	Common chickwe>							
Crop Code			TRZAW							
BBCH Scale			BCER							
Crop Scientific Name			Triticum aesti>							
Crop Name			Winter wheat							
Rating Date	Nov-22-2013	Nov-22-2013	Dec-4-2013	Dec-4-2013						
Rating Type	CONTRO	CONTRO	PHYSTU	CONTRO						
Rating Unit	%	%	%							
Sample Size, Unit			1 PLOT							
Number of Subsamples	1	1	1	1						
SE Group No.	4	4	6	5						
Rating Timing			A3							
Days After First/Last Applic.	50 14	50 14	62 26	62 26						
Trt-Eval Interval			30							
Plant-Eval Interval	48 DP-1	48 DP-1	60 DP-1	60 DP-1						
Days After Emergence	42 DE-1	42 DE-1	54 DE-1	54 DE-1						
ARM Action Codes										
Number of Decimals	0	0	0	0						
Trt Treatment	Rate	Other	Other	Appl	5	6	7	8		
No. Name	Rate	Unit	Rate	Rate	Unit	Code				
1 UNTREATED							17	0	0	0
2 F9312-3	0.078 lb ai/a		2.5 oz/a			A	33	67	0	30
3 F9312-3	0.094 lb ai/a		3.0 oz/a			A	60	100	0	67
4 F9312-3	0.119 lb ai/a		3.8 oz/a			A	67	100	0	53
5 F9312-3	0.119 lb ai/a		3.8 oz/a			B	77	100	0	67
6 F9312-3	0.095 lb ai/a		3.0 oz/a			A	63	100	0	65
6 POWERFLEX	0.0117 lb ai/a		2.5 oz/a			C				
6 NIS	0.25 % v/v		4.8 oz/a			C				
6 AMMONIUM SULFATE	5 % v/v		3 qt/a			C				
7 F9312-3	0.078 lb ai/a		2.5 oz/a			A	62	100	0	43
7 POWERFLEX	0.0117 lb ai/a		2.5 oz/a			C				
7 NIS	0.25 % v/v		4.8 oz/a			C				
7 AMMONIUM SULFATE	5 % v/v		3 qt/a			C				
8 POWERFLEX	0.0164 lb ai/a		3.5 oz/a			C	37	92	0	30
8 NIS	0.25 % v/v		4.8 oz/a			C				
8 AMMONIUM SULFATE	5 % v/v		3 qt/a			C				
9 F9312-3	0.119 lb ai/a		3.8 oz/a			A	75	100	0	90
9 metribuzin	0.094 lb ai/a		2 oz/a			C				

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Pest Type	W Weed	W Weed	W Weed	
Pest Code	LAMPU	ERICA	STEME	
Pest Scientific Name	Lamium purpure>	Conyza canadens>	Stellaria media	
Pest Name	Purple deadnet>	Canada horsewe>	Common chickwe>	
Crop Code			TRZAW	
BBCH Scale			BCER	
Crop Scientific Name			Triticum aesti>	
Crop Name			Winter wheat	
Rating Date	Nov-22-2013	Nov-22-2013	Dec-4-2013	Dec-4-2013
Rating Type	CONTRO	CONTRO	PHYSTU	CONTRO
Rating Unit	%	%	%	
Sample Size, Unit			1 PLOT	
Number of Subsamples	1	1	1	1
SE Group No.	4	4	6	5
Rating Timing			A3	
Days After First/Last Applic.	50 14	50 14	62 26	62 26
Trt-Eval Interval			30	
Plant-Eval Interval	48 DP-1	48 DP-1	60 DP-1	60 DP-1
Days After Emergence	42 DE-1	42 DE-1	54 DE-1	54 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0
Trt Treatment				
No. Name	Rate	Rate	Rate	Rate
	Unit	Other Rate	Other Rate	Appl Unit Code
				5 6 7 8
10 Sharpen	0.0223 lb ai/a	1 oz/a	A	37 100 0 43
10 MSO	1 % v/v	0.6 qt/a	A	
LSD (P=.05)	40.1	33.4	0.0	31.0
Standard Deviation	23.4	19.3	0.0	18.1
CV	44.36	22.49	0.0	36.99
Bartlett's X2	12.339	1.623	0.0	7.84
P(Bartlett's X2)	0.137	0.203	.	0.449
Skewness	-0.6533	-2.1141*	.	-0.1321
Kurtosis	-0.5797	2.7258*	.	-0.947
Replicate F	1.655	1.238	0.000	1.091
Replicate Prob(F)	0.2189	0.3162	1.0000	0.3571
Treatment F	2.260	8.207	0.000	5.893
Treatment Prob(F)	0.0674	0.0002	1.0000	0.0007

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Pest Type	W Weed	W Weed	W Weed							
Pest Code	LAMPU	ERICA	STEME							
Pest Scientific Name	Lamium purpure>	Conyza canaden>	Stellaria media							
Pest Name	Purple deadnet>	Canada horsewe>	Common chickwe>							
Crop Code			TRZAW							
BBCH Scale			BCER							
Crop Scientific Name			Triticum aesti>							
Crop Name			Winter wheat							
Rating Date	Dec-4-2013	Dec-4-2013	Apr-29-2014	Apr-29-2014						
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO						
Rating Unit			%	%						
Sample Size, Unit										
Number of Subsamples	1	1	1	1						
SE Group No.	5	5	7	7						
Rating Timing			A4	A4						
Days After First/Last Applic.	62 26	62 26	208 172	208 172						
Trt-Eval Interval			180	180						
Plant-Eval Interval	60 DP-1	60 DP-1	206 DP-1	206 DP-1						
Days After Emergence	54 DE-1	54 DE-1	200 DE-1	200 DE-1						
ARM Action Codes		ET4								
Number of Decimals	0	0	0	0						
Trt Treatment	Rate	Other	Other	Appl	9	10	11	12		
No. Name	Rate	Unit	Rate	Rate	Unit	Code				
1 UNTREATED							27	0	0	0
2 F9312-3	0.078 lb ai/a		2.5 oz/a			A	30	0	0	100
3 F9312-3	0.094 lb ai/a		3.0 oz/a			A	53	80	0	93
4 F9312-3	0.119 lb ai/a		3.8 oz/a			A	48	87	0	100
5 F9312-3	0.119 lb ai/a		3.8 oz/a			B	70	100	0	100
6 F9312-3	0.095 lb ai/a		3.0 oz/a			A	70	87	0	100
6 POWERFLEX	0.0117 lb ai/a		2.5 oz/a			C				
6 NIS	0.25 % v/v		4.8 oz/a			C				
6 AMMONIUM SULFATE	5 % v/v		3 qt/a			C				
7 F9312-3	0.078 lb ai/a		2.5 oz/a			A	40	50	0	100
7 POWERFLEX	0.0117 lb ai/a		2.5 oz/a			C				
7 NIS	0.25 % v/v		4.8 oz/a			C				
7 AMMONIUM SULFATE	5 % v/v		3 qt/a			C				
8 POWERFLEX	0.0164 lb ai/a		3.5 oz/a			C	33	100	0	100
8 NIS	0.25 % v/v		4.8 oz/a			C				
8 AMMONIUM SULFATE	5 % v/v		3 qt/a			C				
9 F9312-3	0.119 lb ai/a		3.8 oz/a			A	80	100	0	100
9 metribuzin	0.094 lb ai/a		2 oz/a			C				

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Pest Type	W Weed	W Weed	W Weed	
Pest Code	LAMPU	ERICA	STEME	
Pest Scientific Name	Lamium purpure>	Conyza canadens>	Stellaria media	
Pest Name	Purple deadnet>	Canada horsewe>	Common chickwe>	
Crop Code			TRZAW	
BBCH Scale			BCER	
Crop Scientific Name			Triticum aesti>	
Crop Name			Winter wheat	
Rating Date	Dec-4-2013	Dec-4-2013	Apr-29-2014	Apr-29-2014
Rating Type	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit			%	%
Sample Size, Unit				
Number of Subsamples	1	1	1	1
SE Group No.	5	5	7	7
Rating Timing			A4	A4
Days After First/Last Applic.	62 26	62 26	208 172	208 172
Trt-Eval Interval			180	180
Plant-Eval Interval	60 DP-1	60 DP-1	206 DP-1	206 DP-1
Days After Emergence	54 DE-1	54 DE-1	200 DE-1	200 DE-1
ARM Action Codes		ET4		
Number of Decimals	0	0	0	0
Trt Treatment				
No. Name	Rate	Unit	Other Rate	Other Rate
			Unit	Code
				9
				10
				11
				12
10 Sharpen	0.0223	lb ai/a	1 oz/a	A
10 MSO		1 % v/v	0.6 qt/a	A
LSD (P=.05)	37.2		15.0	0.0
Standard Deviation	21.7		8.0	0.0
CV	43.66		11.32	0.0
Bartlett's X2	11.236		0.0	0.0
P(Bartlett's X2)	0.129		.	.
Skewness	-0.2328		-1.2581*	-2.7435*
Kurtosis	-0.8947		-0.0226	6.0387*
Replicate F	1.278		0.211	0.000
Replicate Prob(F)	0.3028		0.8145	1.0000
Treatment F	2.169		76.076	0.000
Treatment Prob(F)	0.0775		0.0001	1.0000

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Pest Type	W Weed		W Weed		W Weed		W Weed		TRZAW	
Pest Code	LAMPJ		ERICA		AMBTR		AMBTR		BCER	
Pest Scientific Name	Lamium purpure>		Conyza canaden>		Ambrosia trifi>		Ambrosia trifi>		Triticum aesti>	
Pest Name	Purple deadnet>		Canada horsewe>		Giant ragweed		Giant ragweed		Winter wheat	
Crop Code										
BBCH Scale										
Crop Scientific Name										
Crop Name										
Rating Date	Apr-29-2014		Apr-29-2014		Apr-29-2014		May-30-2014		Jul-9-2014	
Rating Type	CONTRO		CONTRO		CONTRO		CONTRO		YIELD	
Rating Unit	%		%		%		%		LBS	
Sample Size, Unit										
Number of Subsamples	1		1		1		1		1	
SE Group No.	7		7		8		11		12	
Rating Timing	A4		A4		A5					
Days After First/Last Applic.	208 172		208 172		208 172		239 203		279 243	
Trt-Eval Interval	180		180		210					
Plant-Eval Interval	206 DP-1		206 DP-1		206 DP-1		237 DP-1		277 DP-1	
Days After Emergence	200 DE-1		200 DE-1		200 DE-1		231 DE-1		271 DE-1	
ARM Action Codes					AA		AA			
Number of Decimals	0		0		0		0			
Trt Treatment	Rate	Other Rate	Other Rate	Appl Unit	13	14	15	16	17	
No. Name	Rate	Unit	Rate	Code						
1 UNTREATED					0	0	0	93	29.933	
2 F9312-3	0.078 lb ai/a		2.5 oz/a	A	87	100	53	93	29.680	
3 F9312-3	0.094 lb ai/a		3.0 oz/a	A	100	100	78	97	31.283	
4 F9312-3	0.119 lb ai/a		3.8 oz/a	A	93	100	95	100	28.657	
5 F9312-3	0.119 lb ai/a		3.8 oz/a	B	87	100	90	99	29.317	
6 F9312-3	0.095 lb ai/a		3.0 oz/a	A	100	100	69	92	28.063	
6 POWERFLEX	0.0117 lb ai/a		2.5 oz/a	C						
6 NIS	0.25 % v/v		4.8 oz/a	C						
6 AMMONIUM SULFATE	5 % v/v		3 qt/a	C						
7 F9312-3	0.078 lb ai/a		2.5 oz/a	A	100	100	86	96	29.447	
7 POWERFLEX	0.0117 lb ai/a		2.5 oz/a	C						
7 NIS	0.25 % v/v		4.8 oz/a	C						
7 AMMONIUM SULFATE	5 % v/v		3 qt/a	C						
8 POWERFLEX	0.0164 lb ai/a		3.5 oz/a	C	100	100	86	99	30.427	
8 NIS	0.25 % v/v		4.8 oz/a	C						
8 AMMONIUM SULFATE	5 % v/v		3 qt/a	C						
9 F9312-3	0.119 lb ai/a		3.8 oz/a	A	100	100	98	95	28.873	
9 metribuzin	0.094 lb ai/a		2 oz/a	C						

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Pest Type	W Weed	W Weed	W Weed	W Weed	
Pest Code	LAMPU	ERICA	AMBTR	AMBTR	
Pest Scientific Name	Lamium purpure>	Conyza canaden>	Ambrosia trifi>	Ambrosia trifi>	
Pest Name	Purple deadnet>	Canada horsewe>	Giant ragweed	Giant ragweed	
Crop Code					TRZAW
BBCH Scale					BCER
Crop Scientific Name					Triticum aesti>
Crop Name					Winter wheat
Rating Date	Apr-29-2014	Apr-29-2014	Apr-29-2014	May-30-2014	Jul-9-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	YIELD
Rating Unit	%	%	%	%	LBS
Sample Size, Unit					
Number of Subsamples	1	1	1	1	1
SE Group No.	7	7	8	11	12
Rating Timing	A4	A4	A5		
Days After First/Last Applic.	208 172	208 172	208 172	239 203	279 243
Trt-Eval Interval	180	180	210		
Plant-Eval Interval	206 DP-1	206 DP-1	206 DP-1	237 DP-1	277 DP-1
Days After Emergence	200 DE-1	200 DE-1	200 DE-1	231 DE-1	271 DE-1
ARM Action Codes			AA	AA	
Number of Decimals	0	0	0	0	
Trt Treatment					
No. Name	Rate	Rate	Rate	Rate	Rate
	Unit	Unit	Unit	Unit	Unit
		Other	Other		
		Rate	Rate		
		Unit	Unit		
		Code	Code		
		13	14	15	16
		17			
10 Sharpen	0.0223 lb ai/a	1 oz/a	A		
10 MSO	1 % v/v	0.6 qt/a	A		
LSD (P=.05)	14.3	0.0	31.3t	24.5t	2.5004
Standard Deviation	8.3	0.0	18.3t	14.3t	1.4576
CV	9.63	0.0	30.41	18.09	4.91
Bartlett's X2	1.327	0.0	4.329	4.178	11.415
P(Bartlett's X2)	0.515	.	0.826	0.841	0.248
Skewness	-2.4314*	-2.7485*	-0.8537	-1.1491*	0.1284
Kurtosis	4.7247*	5.9614*	0.5519	0.2286	-0.222
Replicate F	2.489	0.000	0.199	6.258	0.681
Replicate Prob(F)	0.1111	1.0000	0.8214	0.0086	0.5185
Treatment F	41.277	0.000	4.873	0.503	1.517
Treatment Prob(F)	0.0001	1.0000	0.0021	0.8534	0.2156

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Pest Type			
Pest Code			
Pest Scientific Name			
Pest Name			
Crop Code	TRZAW	TRZAW	TRZAW
BBCH Scale	BCER	BCER	BCER
Crop Scientific Name	Triticum aesti>	Triticum aesti>	Triticum aesti>
Crop Name	Winter wheat	Winter wheat	Winter wheat
Rating Date	Jul-9-2014	Jul-9-2014	Jul-9-2014
Rating Type	MOICON	YIELD	WEITES
Rating Unit	%	BU	
Sample Size, Unit			
Number of Subsamples	1	1	1
SE Group No.	13	17	14
Rating Timing			
Days After First/Last Applic.	279 243	279 243	279 243
Trt-Eval Interval			
Plant-Eval Interval	277 DP-1	277 DP-1	277 DP-1
Days After Emergence	271 DE-1	271 DE-1	271 DE-1
ARM Action Codes	ER3	ET2 TY1	
Number of Decimals		1	

Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Appl Unit Code	18	19	20
1	UNTREATED					15.87	112.7	55.07
2	F9312-3	0.078 lb ai/a	2.5 oz/a		A	16.37	111.2	56.10
3	F9312-3	0.094 lb ai/a	3.0 oz/a		A	16.27	117.2	55.33
4	F9312-3	0.119 lb ai/a	3.8 oz/a		A	15.57	108.3	54.70
5	F9312-3	0.119 lb ai/a	3.8 oz/a		B	15.90	110.4	51.73
6	F9312-3	0.095 lb ai/a	3.0 oz/a		A	15.70	105.9	54.17
6	POWERFLEX	0.0117 lb ai/a	2.5 oz/a		C			
6	NIS	0.25 % v/v	4.8 oz/a		C			
6	AMMONIUM SULFATE	5 % v/v	3 qt/a		C			
7	F9312-3	0.078 lb ai/a	2.5 oz/a		A	15.70	111.1	56.13
7	POWERFLEX	0.0117 lb ai/a	2.5 oz/a		C			
7	NIS	0.25 % v/v	4.8 oz/a		C			
7	AMMONIUM SULFATE	5 % v/v	3 qt/a		C			
8	POWERFLEX	0.0164 lb ai/a	3.5 oz/a		C	15.60	115.0	56.37
8	NIS	0.25 % v/v	4.8 oz/a		C			
8	AMMONIUM SULFATE	5 % v/v	3 qt/a		C			
9	F9312-3	0.119 lb ai/a	3.8 oz/a		A	15.93	108.7	53.53
9	metribuzin	0.094 lb ai/a	2 oz/a		C			

The Ohio State University

Pest Type								
Pest Code								
Pest Scientific Name								
Pest Name								
Crop Code		TRZAW	TRZAW	TRZAW				
BBCH Scale		BCER	BCER	BCER				
Crop Scientific Name		Triticum aesti>	Triticum aesti>	Triticum aesti>				
Crop Name		Winter wheat	Winter wheat	Winter wheat				
Rating Date		Jul-9-2014	Jul-9-2014	Jul-9-2014				
Rating Type		MOICON	YIELD	WEITES				
Rating Unit		%	BU					
Sample Size, Unit								
Number of Subsamples		1	1	1				
SE Group No.		13	17	14				
Rating Timing								
Days After First/Last Applic.		279 243	279 243	279 243				
Trt-Eval Interval								
Plant-Eval Interval		277 DP-1	277 DP-1	277 DP-1				
Days After Emergence		271 DE-1	271 DE-1	271 DE-1				
ARM Action Codes		ER3	ET2 TY1					
Number of Decimals			1					
Trt Treatment								
No. Name	Rate	Unit	Other Rate	Other Rate	Unit Code	18	19	20
10 Sharpen	0.0223	lb ai/a	1 oz/a		A	16.60	116.0	55.50
10 MSO		1 % v/v	0.6 qt/a		A			
LSD (P=.05)						1.138	9.64	3.416
Standard Deviation						0.663	5.62	1.991
CV						4.16	5.03	3.63
Bartlett's X2						5.332	9.141	4.253
P(Bartlett's X2)						0.722	0.424	0.894
Skewness						1.0665*	-0.0916	-0.6275
Kurtosis						1.4378	-0.1276	1.3077
Replicate F						0.518	0.723	0.284
Replicate Prob(F)						0.6041	0.4988	0.7560
Treatment F						0.834	1.242	1.526
Treatment Prob(F)						0.5949	0.3308	0.2128

