

MSU Weed Science Research Program

Comparison of Polymer Additives for Use with Buccaneer

Trial ID: MISC02-06
Conducted: T-14 Campus

Study Dir.: Sprague, Powell
Investigator: Christy Sprague

Date Planted: 4/18/2006	Row Spacing: 7.5 IN
Variety: Spring Wheat	No. of Reps: 4
Population: 2.2 million seed/a	% OM: 3.0
Soil Type: Sandy Loam	pH: 7.2
Plot Size: 10 X 35 FT	Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall moldboard plow
Spring soil Finish 4/17
Spring soil Finish 4/18

Fertilizer: None at planting

Crop	Code	Common Name
1.	TRZAS	WHEAT, SPRING

Application Description

A

Date Treated:	6/12/2006
Time Treated:	12:00 pm
% Cloud Cover:	20
Air Temp., Unit:	67 F
% Relative Humidity:	27
Wind Speed/Unit/Dir:	2 mph NE
Soil Temp., Unit:	60 F
Soil/Leaf Surface M:	5 5
Soil Moist (1=w 5=d):	5

Crop Stage at Each Application

A

Crop Name:	TRZAS
Height (In.):	-
Stage (L):	-

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
A	Cub	3.8	AirMix	110015	22"	20"	120"	10	DI	H2O 27

Comments: Planted w/ JD 1590 Drill-Setting #35

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Weed Code	TRZAX	TRZAX	TRZAX
Rating Data Type	control	control	control
Rating Unit	percent	percent	percent
Rating Date	6/19/2006	6/26/2006	7/2/2006
Trt-Eval Interval	7 DA-A	14 DA-A	20 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code			
1	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	8	26	34
1	Buccaneer	3	L	4	fl oz/a	POST	A			
2	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	13	26	31
2	Buccaneer	3	L	4	fl oz/a	POST	A			
2	Bronc Max EDT		L	2	qt/100 gal	POST	A			
3	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	8	25	33
3	Buccaneer	3	L	4	fl oz/a	POST	A			
3	EDT Concentrate		L	1	qt/100 gal	POST	A			
4	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	53	73	73
4	Buccaneer	3	L	4	fl oz/a	POST	A			
4	Bronc Plus Dry EDT		DF	10	lb/100 gal	POST	A			
5	Untreated							0	0	0
6	CACL2(400 PPM)		DF	0.147	g/100 ml	POST	A	10	30	39
6	Buccaneer	3	L	4	fl oz/a	POST	A			
6	Grounded		L	1	qt/100 gal	POST	A			
7	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	21	40	40
7	Buccaneer	3	L	4	fl oz/a	POST	A			
7	Liberate		L	1	qt/100 gal	POST	A			
8	CACL2(400 PPM)		DF	0.147	g/100 ml	POST	A	26	38	43
8	Buccaneer	3	L	4	fl oz/a	POST	A			
8	InterLock		L	4	fl oz/a	POST	A			
9	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	18	31	40
9	Buccaneer	3	L	4	fl oz/a	POST	A			
9	PowerLock		L	6	fl oz/a	POST	A			
10	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	9	24	33
10	Buccaneer	3	L	4	fl oz/a	POST	A			
10	Reign		L	1	qt/100 gal	POST	A			
11	CACL2 (400 PPM)		DF	0.147	g/100 ml	POST	A	8	23	30
11	Buccaneer	3	L	4	fl oz/a	POST	A			
11	Reign		L	1	qt/100 gal	POST	A			

LSD (P=.05)

5.9

9.6

7.1

Standard Deviation

4.1

6.6

4.9

CV

26.18

21.73

13.8