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99/R/WW/9 Seed Treatments and Take-all - W. Wheat

Rothamsted Research

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99/R/WW/8

GRAIN TONNES/HECTARE

***** Tables of means *****

	AUTSPRAY	E-		ES		
FUNGCHEM	SPRSPRAY	M-	MS	M-	MS	
AZ		7.12	7.63	8.28	8.63	
KM		7.31	7.73	7.75	7.36	
	AUTSPRAY	E-		ES		
FUNGCHEM	SUMSPRAY	L-	LS	L-	LS	
AZ		7.33	7.42	8.29	8.62	
KM		7.16	7.87	7.58	7.53	
	SPRSPRAY	M-		MS		
FUNGCHEM	SUMSPRAY	L-	LS	L-	LS	
AZ		7.61	7.79	8.01	8.25	
KM		7.58	7.48	7.16	7.93	
	SPRSPRAY	M-		MS		
AUTSPRAY	SUMSPRAY	L-	LS	L-	LS	
E-		7.42	7.01	7.08	8.28	
ES		7.78	8.25	8.09	7.90	
	SPRSPRAY	M-		MS		
FUNGCHEM	AUTSPRAY	L-	LS	L-	LS	
AZ	E-		7.54	6.70	7.13	8.14
	ES		7.68	8.88	8.89	8.36
KM	E-		7.29	7.32	7.03	8.43
	ES		7.87	7.63	7.28	7.44

*** Standard errors of differences of means ***

FUNGCHEM	AUTSPRAY	SPRSPRAY	SUMSPRAY
0.268	0.268	0.268	0.268
FUNGCHEM	FUNGCHEM	AUTSPRAY	FUNGCHEM
AUTSPRAY	SPRSPRAY	SPRSPRAY	SUMSPRAY
0.380	0.380	0.380	0.380
AUTSPRAY	SPRSPRAY	FUNGCHEM	FUNGCHEM
SUMSPRAY	SUMSPRAY	AUTSPRAY	AUTSPRAY
		SPRSPRAY	SUMSPRAY
0.380	0.380	0.537	0.537
FUNGCHEM	AUTSPRAY	FUNGCHEM	
SPRSPRAY	SPRSPRAY	AUTSPRAY	
SUMSPRAY	SUMSPRAY	SPRSPRAY	
		SUMSPRAY	
0.537	0.537	0.759	

***** Stratum standard errors and coefficients of variation *****

Stratum	d.f.	s.e.	cv%
BLOCK.WP	30	0.930	12.0
GRAIN MEAN DM%	89.1		
		PLOT AREA HARVESTED	0.00204

99/R/WW/9

WINTER WHEAT

SEED TREATMENTS AND TAKE-ALL

Object: To test effects of seed treatment fungicides on w. wheat sown at different seed rates - Great Harpenden II.

Sponsors: G.L. Bateman, J.F. Jenkyn, R.J. Gutteridge.

Design: 2 randomised blocks of 3 x 3 duplicated.

Whole plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. **SEEDRATE** Seed rate:

R1	90 kg
R2	130 kg
R3	170 kg

2. **SEEDTRT** Seed dressing:

S	Sibutol
B	Baytan Flowable
J	Jockey

Experimental diary:

19-Aug-98	: B :	: Shakerated.
20-Aug-98	: B :	: Ploughed and furrow pressed, started.
21-Aug-98	: B :	: Ploughed and furrow pressed, completed.
29-Sep-98	: B :	: tm)PDQ at 3.0 l in 200 l.
	: B :	: tm)Enhance at 200 ml in 200 l.
13-Oct-98	: T :	: Combination drilled, Riband, dressed as treatment, with the Accord drill.
	: B :	: Hardy at 7.5 kg.
30-Oct-98	: B :	: Decoy at 8.0 kg.
16-Mar-99	: B :	: 34.5% N at 145 kg.
	: B :	: tm)Hawk at 2.0 l in 200 l.
	: B :	: tm)Panther at 1.25 l in 200 l.
	: B :	: tm)Cropoil at 1.0 l in 200 l.
14-Apr-99	: B :	: 34.5% N at 435 kg.
29-May-99	: B :	: tm)Corbel at 1.0 l in 100 l.
	: B :	: tm)Folicur at 0.75 l in 100 l.
23-Jul-99	: B :	: Alpha Glyphogan at 4.0 l in 200 l.
03-Aug-99	: B :	: Combine harvested.

Previous crops: W. wheat 1997, w. wheat 1998.