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99/R/CS/472 Cereals and Seed Treatments - W. Wheat, W. Barley

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99/W/CS/446

Experimental diary:

28-Apr-99 : B : : tm)Folicur at 0.5 l in 200 l.
 : B : : tm)Tripart Brevis at 2.0 l in 200 l.
 : B : : tm)Profol Manganese 500 at 1.0 l in 200 l.
 21-May-99 : B : : Ally at 30 g with Starane 2 at 0.5 l in 200 l.
 27-May-99 : B : : Folicur at 1.0 l in 200 l.
 21-Aug-99 : B : : Combine harvested, straw chopped.

GRAIN TONNES/HECTARE

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

CULT	(PE)	(PL)	Mean
CROP			
(R)	6.45	5.45	5.95
(RW)	6.64	6.85	6.75
(RI)	6.39	5.96	6.17
(RWI)	7.00	8.04	7.52
(M)	6.79	6.45	6.62
(MW1)	6.84	7.71	7.27
(MW2)	7.45	6.60	7.03
(MW3)	7.24	6.80	7.02
(MW4)	5.83	6.14	5.99
(MW5)	6.46	6.68	6.57
Mean	6.71	6.67	6.69

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

CROP	CULT	CROP CULT
0.392	0.175	0.555

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	57	0.784	11.7
GRAIN MEAN DM%	84.8		
PLOT AREA HARVESTED	0.00459		

99/R/CS/472

CEREALS AND SEED TREATMENTS

Object: To test seed treatment fungicides on root and stem base diseases of winter wheat and barley - Highfield IV/Road Piece East.

Sponsors: W.A.J.M. Dawson, G.L. Bateman, J.F. Jenkyn.

The third year, w. wheat and w. barley.

Design: 4 randomised blocks of 8 x 2.

Plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. **FUNGICIDE** Seed treatment and year:

	1997	1998	1999
--- (duplicated)	None	None	None
E-E	CR21528	None	CR21528
-E-	None	CR21528	None
EEE	CR21528	CR21528	CR21528
B-B	CR21529	None	CR21529
-B-	None	CR21529	None
BBB	CR21529	CR21529	CR21529

2. **CROP**

WW	Winter wheat
BW	Winter barley

NOTE: Fungicides CR21528 and CR21529 are under commercial development, composition disclosed in confidence.

Experimental diary:

09-Sep-98 : B : : Ploughed and furrow pressed, started.
10-Sep-98 : B : : Ploughed and furrow pressed, completed.
25-Sep-98 : B : : Rolled.
26-Sep-98 : T : BW : Combination drilled, Regina, tr. as treatment, at 350 seeds/m² with the Accord drill.
 : T : WW : Combination drilled, Hereward tr. as treatment, at 380 seeds/m² with the Accord drill.
28-Sep-98 : B : : Hardy at 7.5 kg.
11-Nov-98 : B : : Avadex BW Granular at 22.5 kg.
03-Dec-98 : B : : tm)Isoguard at 2.0 l in 200 l.
 : B : : tm)Stomp 400 SC at 3.0 l in 200 l.
 : B : : tm)Stefes Cypermethrin 2 at 250 ml in 200 l.
10-Mar-99 : B : : 34.5% N at 145 kg.
30-Mar-99 : B : : 34.5% N at 315 kg.
07-May-99 : B : : tm)Ally at 10 g in 200 l.
 : B : : tm)Starane 2 at 0,5 l in 200 l.
28-Jul-99 : T : BW : Combine harvested.
30-Jul-99 : T : WW : Combine harvested.

NOTE: The yield of one plot with **FUNGICIDE** BBB and **CROP** BW was lost because of lodging. An estimated value was used in the analysis.