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96/R/CS/447 Take-all Seed Treatment - W. Wheat

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96/R/CS/447

TAKE-ALL SEED TREATMENT

Object: To test fungicidal seed treatments for the control of take-all (*Gaeumannomyces graminis*) - Pennells Piece.

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

Design: 4 blocks of 6 plots.

Whole plot dimensions: 3.0 x 10.0.

Treatments:

SEED TRT	Seed treatment:
-	None
BF	Fuberidazole with triadimenol (Baytan Flowable)
A1	Fungicide A, Rate 1
A2	Fungicide A, Rate 2
B1	Fungicide B, Rate 1
B2	Fungicide B, Rate 2

NOTE: Fungicides A and B are under commercial development, composition undisclosed.

Experimental diary:

17-Aug-95 : B : Straw baled.
03-Oct-95 : B : Ploughed and furrow pressed.
19-Oct-95 : B : Rotary harrowed, Brigadier drilled at 380 seeds per m².
16-Apr-96 : B : 34.5% N at 347 kg.
25-Apr-96 : B : Ally at 30 g with Cheetah Super at 1.25 l in 200 l.
06-Jun-96 : B : Monicle at 1.0 l in 320 l.
08-Aug-96 : B : Roundup at 4.0 l in 300 l.
21-Aug-96 : B : Combine harvested.

Previous crops: S. wheat 1994 and 1995.

NOTE: Crop vigour was assessed and plants counted in November. Samples were taken in April and July for assessment of take-all.

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GRAIN TONNES/HECTARE

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

SEED TRT	
-	9.96
BF	9.26
A1	10.21
A2	9.70
B1	9.76
B2	9.68
Mean	9.76

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

SEED TRT
0.277

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	15	0.391	4.0

GRAIN MEAN DM% 85.4

PLOT AREA HARVESTED 0.00227