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98/R/WW/13 Fungicide and Timing - W. Wheat

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98/R/WW/13

WINTER WHEAT

FUNGICIDE AND TIMINGS

Object: To test some new fungicides on w. wheat - Sawyers II.

Sponsors: C. Peters.

Design: 3 randomised blocks of 3 x 4 + 1 plots.

Whole plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. **FUNG 1** Fungicides in April, growth stage (GS) 32:

AF	Azoxystrobin at 150 g and epoxiconazole at 38 g
KF	Kresoxim-methyl with epoxiconazole each at 94 g
AKH	Azoxystrobin at 75 g with kresoxim-methyl at 50 g and epoxiconazole at 94 g
 2. **FUNG 2** Fungicides in May/June, GS 39 and/or 55 and/or 61:

AP39	Azoxystrobin at 200 g with flutriafol at 50 g at GS 39
AP55	Azoxystrobin at 200 g with flutriafol at 50 g at GS 55
APA	Azoxystrobin at 200 g with flutriafol at 50 g at GS 39 and azoxystrobin at 100 g at GS 61
0	Epoxiconazole at 125 g at GS 39
- Plus extra
- EXTRA**
- Epoxiconazole at 94 g at GS 32 and difenoconazole at 50 g
at GS 61

Experimental diary:

24-Sep-97 : B : PK as (0:20:32) at 1250 kg.
27-Sep-97 : B : Ploughed.
28-Sep-97 : B : Rolled.
29-Sep-97 : B : Rotary harrowed, Abbot, dressed Beret Gold, drilled at
380 seeds per m².
13-Jan-98 : B : Lexus Class WSB at 60 g in 100 l.
18-Feb-98 : B : 34.5% N at 120 kg.
23-Apr-98 : T : **EXTRA** -: Opus at 0.75 l in 200 l.
: T : **FUNG 1** AKH: Amistar at 0.30 l with Landmark at 0.40 l
and Opus at 0.35 l in 220 l.
: T : **FUNG 1** AF: Amistar at 0.60 l with Opus at 0.30 l in
220 l.
: T : **FUNG 1** KF: Landmark at 0.75 l in 220 l.
28-Apr-98 : B : 34.5% N at 460 kg.
: B : Tripart Brevis at 2.25 l in 200 l.
21-May-98 : T : **EXTRA** -: Opus at 0.70 l in 220 l.

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Experimental diary:

21-May-98 : T : FUNG 2 0: Opus at 1.0 l in 220 l.
: T : FUNG 2 AP39, APA: Amistar at 0.80 l with Pointer at 0.40 l in 220 l.
01-Jun-98 : T : FUNG 2 AP55: Amistar at 0.80 l with Pointer at 0.40 l in 220 l.
12-Jun-98 : T : EXTRA -: Plover 250 EC at 0.20 l in 220 l.
: T : FUNG 2 APA: Amistar at 0.40 l in 220 l.
19-Aug-98 : T : Combine harvested.

Previous crops: Set-aside 1996, w. and s. beans and lupins 1997.

GRAIN TONNES/HECTARE

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

FUNG 2	AP39	AP55	APA	O	Mean
FUNG 1					
AF	9.45	10.28	10.28	9.35	9.84
KF	9.85	10.15	11.15	9.82	10.24
AKH	10.16	10.14	9.99	9.42	9.93
Mean	9.82	10.19	10.48	9.53	10.00
EXTRA	9.49				

Grand mean 9.96

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

FUNG 1	FUNG 2	FUNG 1 FUNG 2 & EXTRA
0.277	0.320	0.554

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	24	0.679	6.8

GRAIN MEAN DM% 88.5

PLOT AREA HARVESTED 0.00230