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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.

98/R/WW/13

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