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99/R/WW/13 Strobilurins and Nitrogen Curve - W. Wheat

Rothamsted Research

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99/R/WW/12

GRAIN TONNES/HECTARE

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

FUNGICIDE	
-	10.70
OC	10.94
E	11.22
AC	11.09
M	11.05
AOC	11.26
Mean	11.04

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

FUNGICIDE
0.200

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	15	0.283	2.6

GRAIN MEAN DM% 84.8

PLOT AREA HARVESTED 0.00275

99/R/WW/13

WINTER WHEAT

STROBILURINS AND NITROGEN CURVE

Object: To investigate the effect on yield and nitrogen uptake, of amounts of nitrogen on a crop sprayed with a strobilurin or not - Little Hoos.

Sponsors: C.G. Peters, E. Stockdale, K.L. Sykes.

Design: 3 randomised blocks of 2 x 6 plots.

Whole plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. NITROGEN Kg N:

N0	None
N1	60
N2	120 (50 early + 70 later)
N3	180 (50 early + 130 later)
N4	240 (50 early + 190 later)
N5	300 (50 early + 250 later)

2. FUNGICIDE Fungicides:

S	Strobilurin; epoxiconazole and kresoxim-methyl
C	Conventional; epoxiconazole

Experimental diary:

11-Sep-98 : B : : Ploughed and furrow pressed, started.
14-Sep-98 : B : : Ploughed and furrow pressed, completed.
19-Sep-98 : B : : Rotary harrowed.
22-Sep-98 : B : : Tiger 90 at 15 kg.
23-Sep-98 : B : : Combination drilled, Hereward, tr. Beret Gold, at 300 seeds/m² with the Accord drill.
25-Sep-98 : B : : Rolled.
09-Mar-99 : B : : tm)Isoguard at 1.0 l in 200 l.
 : B : : tm)Unite A at 0.125 l in 200 l.
 : B : : tm)Unite B at 1.0 in 200 l.
 : B : : tm)Cropoil at 1.0 l in 200 l.
16-Mar-99 : T : N2,N3,N4,N5 : 34.5% N at 145 kg.
14-Apr-99 : T : N1,N2,N3,N4,N5 : 34.5% N at 174, 203, 377, 551 or 725 kg respectively.
19-Apr-99 : T : C : Opus at 1.0 l in 220 l.
 : T : S : Landmark at 1.0 l in 220 l.
 : B : : tm)Sypex at 1.5 l in 200 l.
 : B : : tm)Enhance at 80 ml in 200 l.
26-May-99 : T : C : Opus at 1.0 l in 220 l.
 : T : S : Landmark at 1.0 l in 220 l.
06-Aug-99 : B : : Combine harvested.

Previous crops: W. rape and turnip rape 1997, w. oats 1998.