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Yields of the Field Experiments 2001

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Yields of the
Classical
and other
Long-term Experiments
2001

YACR - Rothamsted

01/R/CS/326 and 01/W/CS/326 - Amount of Straw

Rothamsted Research

Rothamsted Research (2002) *01/R/CS/326 and 01/W/CS/326 - Amount of Straw* ; Yields Of The Field Experiments 2001, pp 47 - 50 - DOI: <https://doi.org/10.23637/ERADOC-1-258>

01/R/CS/326 and 01/W/CS/326

Experimental diary:

Far Field I (W) :

01-Sep-00	: B :	: Muriate of potash at 200 kg.
03-Sep-00	: B :	: Azural at 4.0 l in 200 l.
13-Sep-00	: T :	: Chopped loaded straw.
	: T : 1	: Straw applied at 11.5 kg per plot.
	: T : 2	: Straw applied at 23.0 kg per plot.
	: T : 4	: Straw applied at 46.0 kg per plot.
21-Sep-00	: B :	: Sting ECO at 2.0 l in 200 l.
25-Sep-00	: B :	: Ploughed, /se.
03-Oct-00	: B :	: Rotary harrowed.
	: B :	: Drilled, Hereward, tr. Sibutol and Rhodoman, at 350 s/m ² with the 4.0 m Accord drill.
20-Oct-00	: B :	: Avadex Excel 15 g at 15.0 kg.
15-Dec-00	: B :	: Lexus Class at 60 g in 200l.
30-Mar-01	: B :	: Sulphur Gold 30.0% N, 7.6% S at 167 kg
	: B :	: Sulphur Gold 30.0% N, 7.6% S at 167 kg
13-Apr-01	: B :	: tm)Harmony M at 75 g in 200 l.
	: B :	: tm)Starane 2 at 0.5 l in 200 l.
30-Apr-01	: B :	: Sulphur Gold 30.0% N, 7.6% S at 333 kg.
	: B :	: Sulphur Gold 30.0% N, 7.6% S at 333 kg.
08-May-01	: B :	: tm)Opus at 0.5 l in 200 l.
	: B :	: tm)BASF 3C Chlormequat 720 at 2.0 l in 200 l.
31-May-01	: B :	: Opus at 0.7 l in 200 l.
21-Aug-01	: B :	: Combine harvested, plots for yield, and discards.
	: B :	: Swathed straw.
23-Aug-01	: B :	: Sampled, baled and weighed straw.

Note: Grain & straw samples were taken for N analysis.

01/R/CS/326 GREAT KNOTT III (R)

GRAIN TONNES/HECTARE

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

STRAW	
NONE	6.55
NORMAL	6.50
2 NORMAL	6.31
4 NORMAL	6.26
Mean	6.40

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

STRAW
0.181

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

Stratum	d.f.	s.e.	cv%
Blocks.Plots	9	0.256	4.0
GRAIN MEAN DM%	86.8		

STRAW TONNES/HECTARE

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

STRAW	
NONE	2.51
NORMAL	2.52
2 NORMAL	2.43
4 NORMAL	2.50
Mean	2.49

STRAW MEAN DM% 91.8

PLOT AREA HARVESTED 0.00324

01/W/CS/326 FAR FIELD I (W)

GRAIN TONNES/HECTARE

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

STRAW	
NONE	6.48
NORMAL	6.37
2 NORMAL	6.55
4 NORMAL	6.60
Mean	6.50

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

STRAW
0.311

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

Stratum	d.f.	s.e.	cv%
Blocks.Plots	6	0.381	5.9
GRAIN MEAN DM%	86.3		

STRAW TONNES/HECTARE

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

STRAW	
NONE	3.23
NORMAL	3.47
2 NORMAL	3.97
4 NORMAL	3.67
Mean	3.59

STRAW MEAN DM% 89.4

PLOT AREA HARVESTED 0.00348