

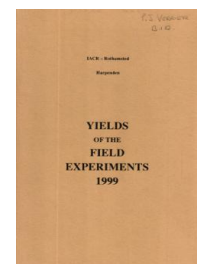
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## Yields of the Field Experiments 1999

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### **99/R/CS/326 and 99/W/CS/326 Amounts of Straw - W. Wheat**

#### **Rothamsted Research**

Rothamsted Research (2000) *99/R/CS/326 and 99/W/CS/326 Amounts of Straw - W. Wheat* ; Yields Of The Field Experiments 1999, pp 62 - 65 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/R/CS/323

GRAIN TONNES/HECTARE

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

FUNG99	NONE	FLUQUIN	Mean
<b>GROUP</b>			
I	9.50	9.97	9.73
II	9.05	9.69	9.37
III	9.00	9.81	9.41
Mean	9.18	9.82	9.50

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

GROUP	FUNG99	GROUP FUNG99
0.160	0.131	0.227

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	64	0.555	5.8

GRAIN MEAN DM% 87.6

PLOT AREA HARVESTED 0.00227

## 99/R/CS/326 and 99/W/CS/326

### AMOUNTS OF STRAW

**Object:** To study the effects of different amounts of straw, incorporated into the soil, on w. wheat - Rothamsted (R) Great Knott III, Woburn (W) Far Field I.

**Sponsors:** M.J. Glendining, P.C. Brookes.

The 13th year, w. wheat.

For previous years see 87-98/R & W/CS/326.

**Design:** 4 randomised blocks of 4 plots (R).  
3 randomised blocks of 4 plots (W).

**Whole plot dimensions:** 3.0 x 13.5 (R).  
3.0 x 14.5 (W).

#### Treatments:

**STRAW** Amounts of straw incorporated into the seedbed (t per ha 85% DM), cumulative to previous annual dressings:

		R	W
NONE	None	-	-
NORMAL	Normal	5.8	5.6
2 NORMAL	Twice normal	11.6	11.2
4 NORMAL	Four times normal	23.2	22.4

#### Experimental diary:

Great Knott III (R):

20-Aug-98 : T : NONE : Straw removed.  
: T : NORMAL, 2 NORMAL, 4 NORMAL : Straw applied and chopped.  
08-Oct-98 : B : : Ploughed.  
13-Oct-98 : B : : Rotary harrowed. Drilled Hereward, tr. Sibutol, at  
380 seeds/m<sup>2</sup> with the Nordsten drill.  
: B : : Hardy at 10.0 kg.  
15-Oct-98 : B : : Hardy at 7.5 kg.  
04-Nov-98 : B : : Decoy at 7.5 kg.  
10-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 l in 200 l.  
: B : : tm)Cropoil at 1.0 l in 200 l.  
15-Mar-99 : B : : 34.5% N at 145 kg.  
12-Apr-99 : B : : 34.5% N at 435 kg.  
01-May-99 : B : : Opus at 0.7 l in 200 l.  
29-May-99 : B : : tm)Folicur at 1.0 l in 100 l.  
: B : : tm)Sipcam UK Rover 500 at 1.0 l in 100 l.  
17-Jun-99 : B : : Folicur at 0.25 l in 100 l.  
23-Aug-99 : B : : Combine harvested.

99/R/CS/326 and 99/W/CS/326

**Experimental diary:**

Far Field I (W):

17-Aug-98 : T : NONE : Straw removed  
          : T : NORMAL, 2 NORMAL, 4 NORMAL : Straw applied and chopped.  
02-Sep-98 : B : : Ploughed.  
14-Sep-98 : B : : Cambridge rolled.  
12-Oct-98 : B : : Rotary harrowed. Drilled Hereward, tr. Sibutol, at  
          : : 325 seeds/m<sup>2</sup> with the Accord drill.  
05-Nov-98 : B : : Hardy at 15 kg.  
18-Feb-99 : B : : 34.5% N at 145 kg.  
25-Feb-99 : B : : tm)Platform S at 1.0 kg in 200 l.  
          : B : : tm)Isoguard at 2.0 l in 200 l.  
02-Apr-99 : B : : 34.5% N at 377 kg.  
24-Apr-99 : B : : tm)Folicur at 0.5 l in 200 l.  
          : B : : tm)Tripart Brevis at 2.0 l in 200 l.  
27-May-99 : B : : tm)Folicur at 0.75 l in 200 l.  
          : B : : tm)Sipcam UK Rover 500 at 1.0 l in 200 l  
20-Aug-99 : B : : Combine harvested.

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

GRAIN TONNES/HECTARE

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

STRAW	
NONE	8.83
NORMAL	7.91
2 NORMAL	7.75
4 NORMAL	7.73
Mean	8.06

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

STRAW  
1.022

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	9	1.445	17.9
GRAIN MEAN DM%	88.3		

STRAW TONNES/HECTARE

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

STRAW	
NONE	4.22
NORMAL	4.45
2 NORMAL	4.34
4 NORMAL	4.75
Mean	4.44

STRAW MEAN DM% 80.9

PLOT AREA HARVESTED 0.00310