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## Yields of the Field Experiments 1999

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### 99/R/WW/3 Plant N Indicators - W. Wheat

#### Rothamsted Research

Rothamsted Research (2000) *99/R/WW/3 Plant N Indicators - W. Wheat* ; Yields Of The Field Experiments 1999, pp 118 - 119 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/W/WW/2

**GRAIN TONNES/HECTARE**

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

<b>HERB DEC</b>	E	L	U	Mean
<b>WEEDSPEC</b>				
MP	6.57	6.16	5.16	5.96
SM	7.72	6.25	5.21	6.40
AM	7.82	6.55	6.33	6.90
Mean	7.37	6.32	5.57	6.42

**EXTRA -** 6.50

GRAND MEAN 6.44

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

<b>WEEDSPEC</b>	<b>HERB DEC</b>	<b>WEEDSPEC</b>	<b>HERB DEC</b>
0.339	0.339	0.587	

S.e.d. for comparing - with any item in **HERB DEC.WEEDSPEC** table is 0.479

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	24	0.718	11.2

GRAIN MEAN DM% 85.8

PLOT AREA HARVESTED 0.00308

99/R/WW/3

WINTER WHEAT

PLANT N INDICATORS

**Object:** To calibrate plant monitoring methods for fine-tuning fertiliser N applications - Little Hoos.

**Sponsor:** P.B. Barraclough.

**Design:** 3 randomised blocks of 18 plots.

**Whole plot dimensions:** 3.0 x 20.0.

**Treatments:**

**NITROGEN**

Kg N and timing:

	Early March	Mid-April	Mid-May	Late May	Total
	GS 24	GS 31	GS 37	GS 51	
-	0	0	0	0	0
A	40	40	0	0	80
B	40	40	40	0	120
C	40	40	80	0	160
D	40	80	0	0	120
E	40	80	40	0	160
F	40	80	80	0	200
G	40	120	0	0	160
H	40	120	40	0	200
I	40	120	80	0	240
J	40	160	0	0	200
K	40	0	0	0	40
L	40	0	40	0	80
M	40	0	80	0	120
N	40	0	0	80	120
O	40	40	0	80	160
P	40	80	0	80	200
Q	40	120	0	80	240

**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 380 seeds/m<sup>2</sup> with the Accord drill.  
 24-Sep-98 : B : : Rolled.  
 28-Sep-98 : B : : Hardy at 7.5 kg.  
 21-Oct-98 : B : : Hardy at 7.5 kg.  
 30-Oct-98 : B : : Decoy at 8.0 kg.  
 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 l in 200 l.  
           : B : : tm)Cropoil at 1.0 l in 200 l.  
 16-Mar-99 : T : : Nitrogen applied as 34.5% N (GS 24).  
 14-Apr-99 : T : : Nitrogen applied as 34.5% N (GS 31).  
 01-May-99 : B : : Opus at 0.7 l in 200 l.  
 13-May-99 : T : : Nitrogen applied as 34.5% N (GS 37).