

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1999

[Full Table of Content](#)



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 *****

HERB DEC WEEDSPEC	E	L	U	Mean
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 ***

WEEDSPEC	HERB DEC	WEEDSPEC HERB DEC
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 GS 24	Mid-April GS 31	Mid-May GS 37	Late May GS 51	Total
-	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/m² 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).