

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/W/CS/478 Continuous Maize - Forage Maize, S. Barley

#### Rothamsted Research

Rothamsted Research (2000) *99/W/CS/478 Continuous Maize - Forage Maize, S. Barley* ; Yields Of The Field Experiments 1999, pp 87 - 88 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/R/CS/477

**MAIZE**

**WHOLE CROP TONNES/HECTARE**

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

CROP	
M	14.03
MB	14.10
MTB	13.60
Mean	13.91

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

CROP  
0.519

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	0.636	4.6
GRAIN MEAN DM%	27.7		
PLOT AREA HARVESTED	0.00108		

**SPRING BARLEY**

**GRAIN TONNES/HECTARE**

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

CROP	
BM	5.91
BTM	5.77
B	5.72
Mean	5.80

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

CROP  
0.159

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	0.195	3.4
GRAIN MEAN DM%	86.0		
PLOT AREA HARVESTED	0.00575		

99/W/CS/478

**CONTINUOUS MAIZE**

**Object:** To monitor the fate of organic carbon in the soil organic matter -  
Woburn, Stackyard A I.

**Sponsors:** P.R. Poulton, J. Gaunt.

The third year, forage maize and s. barley.

For previous years see 97-98/W/CS/478.

**Design:** 3 randomised blocks of 6 plots.

**Plot dimensions:** 9.0 x 25.0.

**Treatments:**

<b>CROP</b>	Crop and straw treatments:
BM	Spring barley, straw removed then maize after three years
BTM	Continuous spring barley, straw removed plus 10 t maize tops incorporated
B	Continuous spring barley, straw removed
M	Continuous maize, stubble incorporated
MB	Maize, stubble incorporated then s. barley after five years
MTB	Maize, stubble plus 10 t maize tops incorporated, then s. barley after five years

**Experimental diary:**

17-Sep-98 : T : MTB,BTM : Chopped maize tops at 10 t.  
19-Sep-98 : B : : PK as (0:24:24) at 334 kg. Muriate of potash at  
47 kg.  
29-Sep-98 : B : : Ploughed.  
19-Mar-99 : B : : Sting ECO at 4.0 l in 200 l.  
12-Apr-99 : T : B,BM,BTM : Combination drilled, Cooper, tr. Raxil S, at 370  
seeds/m<sup>2</sup> with the Accord drill.  
04-May-99 : B : : 27% N at 356 kg.  
06-May-99 : T : M,MB,MTB : Rotary harrowed. Drilled, Hudson, tr. Mesuro1, at  
11 seeds/m<sup>2</sup> with the Nodet Gougis drill.  
07-May-99 : T : B,BM,BTM : Ally at 30 g in 200 l.  
10-Jun-99 : T : B,BM,BTM : Astix at 2.0 l with Dorin at 1.0 l in 200 l.  
24-Jun-99 : T : M,MB,MTB : Gesaprim at 3.0 l with Cropoil at 5.0 l in 220 l.  
23-Aug-99 : T : B,BM,BTM : Combine harvested.  
21-Sep-99 : T : M,MB,MTB : Hand harvested.