

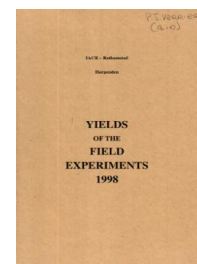
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Yields of the Field Experiments 1998

[Full Table of Content](#)



### 98/R/CS/442 Phalaris Lines

#### Rothamsted Research

Rothamsted Research (1999) *98/R/CS/442 Phalaris Lines* ; Yields Of The Field Experiments 1998, pp 86 - 87 - DOI: <https://doi.org/10.23637/ERADOC-1-52>

98/R/CS/442

**PHALARIS LINES**

**Object:** To assess the growth and yield of *Phalaris* lines for biofuel - Road Piece West.

**Sponsor:** D.G. Christian.

The fourth year.

For previous years see 96-97/R/CS/442.

**Design:** 6 randomised blocks of 15 plots.

**Whole plot dimensions:** 1.5 x 2.5.

**Treatments:**

| <b>LINES</b> | <i>Phalaris</i> lines: |
|--------------|------------------------|
| 1            | A                      |
| 2            | B                      |
| 3            | C                      |
| 4            | D                      |
| 5            | E                      |
| 6            | F                      |
| 7            | G                      |
| 8            | H                      |
| 9            | I                      |
| 10           | J                      |
| 11           | K                      |
| 12           | L                      |
| 13           | M                      |
| 14           | N                      |
| 15           | O                      |

**Experimental diary:**

27-Apr-98 : B : MSS Optica at 2.0 l in 220 l.  
08-May-98 : B : Spannit at 1.5 l in 220 l.  
18-May-98 : B : 34.5% N at 291 kg.  
22-May-98 : B : Starane 2 at 1.0 l in 220 l.  
15-Jun-98 : B : Triple superphosphate at 140 kg.  
16-Jun-98 : B : Muriate of potash at 190 kg.  
27-Jul-98 : B : BASF Dimethoate 40 at 1.7 l in 200 l.  
21-Dec-98 : T : Hand harvested three replicates.  
03-Feb-99 : T : Hand harvested remaining three replicates.

- NOTES:** (1) Ground cover, stem height, date and duration of flowering were recorded. Incidence of pests and diseases were also recorded.  
(2) **LINES** 3 and 4 failed to grow and have been omitted from the analysis.  
(3) Yields presented come from the hand harvest on 03-Feb-99.

98/R/CS/442

DRY MATTER TONNES/HECTARE

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

| LINES |      |
|-------|------|
| 1     | 7.45 |
| 2     | 7.43 |
| 5     | 7.30 |
| 6     | 5.37 |
| 7     | 8.80 |
| 8     | 8.56 |
| 9     | 6.27 |
| 10    | 6.58 |
| 11    | 6.17 |
| 12    | 5.54 |
| 13    | 6.96 |
| 14    | 8.19 |
| 15    | 6.55 |
| Mean  | 7.01 |

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

LINES  
1.249

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

| Stratum             | d.f.    | s.e.  | cv%  |
|---------------------|---------|-------|------|
| BLOCK.WP            | 24      | 1.529 | 21.8 |
| MEAN DM%            | 73.1    |       |      |
| PLOT AREA HARVESTED | 0.00023 |       |      |