

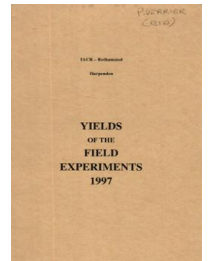
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1997

[Full Table of Content](#)



97/R/CS/442 Phalaris Lines - Grass

Rothamsted Research

Rothamsted Research (1998) *97/R/CS/442 Phalaris Lines - Grass* ; Yields Of The Field Experiments 1997, pp 82 - 84 - DOI: <https://doi.org/10.23637/ERADOC-1-53>

97/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 third year.

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

Design: 6 randomised blocks of 15 plots.

Whole plot dimensions: 1.5 x 2.5.

Treatments:

LINES	<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:

- 10-Apr-97 : B : Muriate of potash at 180 kg, triple superphosphate at 140 kg and 34.5% N at 348 kg.
13-May-97 : B : Atlas Dimethoate 40 at 1.7 l in 220 l.
04-Dec-97 : T : Hand harvested three replicates.
29-Jan-98 : T : Hand harvested remaining three blocks.

- NOTES:** (1) During the growing period observations were made on crop height, ground cover, flower emergence, lodging and duration of green leaf.
(2) Yields presented come from the hand harvest on 29-Jan-98.
(3) **LINES** 3, 4 failed to grow and have been omitted from the analysis.

97/R/CS/442

DRY MATTER TONNES/HECTARE

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

LINES

1	7.00
2	6.90
5	6.44
6	5.06
7	6.46
8	9.29
9	7.15
10	8.91
11	7.99
12	6.19
13	7.19
14	7.46
15	8.15

Mean 7.25

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

LINES

1.028

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

Stratum	d.f.	s.e.	cv%
---------	------	------	-----

BLOCK.WP	24	1.259	17.4
----------	----	-------	------

MEAN DM% 72.2

PLOT AREA HARVESTED 0.00023

The wrong plot area was used in the 1996 analysis. The corrected yields follow.

96/R/CS/442

DRY MATTER TONNES/HECTARE

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

LINES	
1	9.65
2	8.69
3	0.96
4	1.15
5	8.54
6	5.75
7	9.71
8	9.13
9	7.46
10	8.74
11	8.91
12	7.66
13	8.29
14	9.07
15	5.92
Mean	7.31

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

LINES
1.128

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	28	1.382	18.9
MEAN DM%	78.6		
PLOT AREA HARVESTED	0.00023		