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96/R/CS/442 Phalaris Lines

Rothamsted Research

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96/R/CS/442

PHALARIS LINES

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

Sponsor: D.G. Christian.

Design: 6 randomised blocks of 15 plots.

Whole plot dimensions: 1.25 x 2.25.

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:

23-May-95 : T : LINES 1-15: Transplanted.

29-Apr-96 : B : Muriate of potash at 180 kg, triple superphosphate at 49 kg and 34.5% N at 348 kg.

13-May-96 : B : Duplosan New System CMPP at 2.5 l with Oxytril CM at 1.4 l in 200 l.

07-Jan-97 : T : Hand harvested three blocks.

05-Feb-97 : T : Hand harvested remaining three blocks.

- NOTES:**
- (1) Visual assessments were made of ground cover, stem height, leaf colour, date of flowering and incidence of diseases during the season.
 - (2) In the early harvested blocks, one plot of Line B was exchanged with one plot of Line B in the late harvested blocks.
 - (3) The yields presented are from the harvest on 07-Jan-97.

96/R/CS/442

DRY MATTER TONNES/HECTARE

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

LINES

1	10.72
2	9.65
3	1.06
4	1.28
5	9.49
6	6.39
7	10.79
8	10.14
9	8.29
10	9.71
11	9.90
12	8.51
13	9.21
14	10.08
15	6.58

Mean 8.12

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

LINES

1.254

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	28	1.535	18.9

MEAN DM% 78.6

PLOT AREA HARVESTED 0.00020