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94/R/CS/408 *Miscanthus Sinensis Giganteus* Study - Grass

Rothamsted Research

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94/R/CS/408

MISCANTHUS SINENSIS GIGANTEUS STUDY

Object: To quantify the biomass yield potential of *Miscanthus sinensis giganteus* - Road Piece West.

Sponsor: D.G. Christian.

The second year, grass.

Design: 3 randomised blocks of 3 plots.

Whole plot dimensions: 10.0 x 10.0.

Treatments:

NITROGEN Rates of fertilizer nitrogen (kg N):

-	None
N1	60
N2	120

Experimental diary:

02-Feb-94 : B : Hytane 500 SC at 4.0 l in 220 l.

08-Apr-94 : B : Scythe at 5.0 l in 220 l.

06-May-94 : B : Muriate of potash at 233 kg.

: T : **NITROGEN** N1, N2: 34.5% N at 174 kg and 348 kg respectively.

22-Feb-95 : B : Cut

NOTE: Crop was transplanted on 25 May, 1993.

DRY MATTER TONNES/HECTARE

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

NITROGEN	-	N1	N2	Mean
	7.30	7.09	8.01	7.47

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

NITROGEN
0.997

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	1.222	16.4
MEAN DM%	49.4		
PLOT AREA HARVESTED	0.00422		