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Rothamsted Research

Rothamsted Research (2001) 00/R/CS/408 *Miscanthus Sinensis Giganteus* Study - Grass ; Yields Of The Field Experiments 2000, pp 69 - 69 - DOI: <https://doi.org/10.23637/ERADOC-1-55>

00/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 eighth year, grass.

For previous years see 94-99/R/CS/408.

Design: 3 randomised blocks of 3 plots.

Whole plot dimensions: 10.0 x 10.0.

Treatments:

N	Nitrogen fertilizer cumulative to previous annual dressings, kg N:
-	None
N1	60
N2	120

Experimental diary:

19-May-00 : B : : Muriate of potash at 583 kg. Triple superphosphate at 291 kg.
25-May-00 : T : N1 : 34.5% N at 174 kg.
 : T : N2 : 34.5% N at 348 kg.
16-Jun-00 : B : : Starane 2 at 1.0 l in 300 l.
07-Feb-01 : B : : Cut.

NOTE: Soil water was sampled during the winter for nitrate and ammonium content. Harvested samples were analysed for chemical content.

DRY MATTER TONNES/HECTARE

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

N	-	N1	N2	Mean
	14.51	12.38	13.73	13.54

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

N
0.721

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	0.883	6.5
MEAN DM%	51.3		
AVERAGE PLOT AREA HARVESTED	0.00345		