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

Rothamsted Research

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97/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 fifth year, grass.

For previous years see 94-96/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 dressings, kg N:
-	None
N1	60
N2	120

Experimental diary:

10-Mar-97 : B : Barclay Gallup at 4.0 l in 200 l.
11-Apr-97 : B : Muriate of potash at 281 kg.
22-May-97 : T : N N1, N2: 34.5% N applied at 174 and 348 kg respectively.
04-Feb-98 : B : Hand harvested.

NOTE: Stems per plant and heights were measured regularly. Biomass and nutrient content were measured regularly.

DRY MATTER TONNES/HECTARE

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

N	-	N1	N2	Mean
	14.34	14.09	14.76	14.40

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

N
0.540

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	0.661	4.6
MEAN DM% 48.5		PLOT AREA HARVESTED	0.00423