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Yields of the Field Experiments 1999

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99/R/CS/411 Panicum Study - Grass

Rothamsted Research

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99/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 seventh year, grass.

For previous years see 94-98/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:

07-Apr-99	: B :	: Decoy at 15 kg.
	: B :	: Starane 2 at 1.0 l in 220 l eastern 6 m.
	: B :	: Starane 2 at 1.0 l in 400 l except eastern 6 m.
03-Jun-99	: T : N1	: 34.5% N at 174 kg
	: T : N2	: 34.5% N at 348 kg
27-Jan-00	: B :	: Cut.

DRY MATTER TONNES/HECTARE

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

N	-	N1	N2	Mean
	14.49	14.05	14.76	14.44

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

N
0.163

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	0.200	1.4

MEAN DM% 52.4

AVERAGE PLOT AREA HARVESTED 0.00041

99/R/CS/411

PANICUM STUDY

Object: To quantify the biomass yield potential of varieties of *Panicum virgatum* species - Road Piece West.

Sponsor: D.G. Christian.

The seventh year, grass.

For previous year see 94-98/R/CS/411

Design: 3 randomised blocks of 7 x 2 plots.

Whole plot dimensions: 5.0 x 2.0.

Treatments: All combinations of:-

1. **VARIETY**

CAVIN R	Cave-in-Rock
KANLOW	Kanlow
PATHFIND	Pathfinder
SUNBURST	Sunburst
FORESTB	Forestburg
NEBR 28	Nebraska 28
DACOTAH	Dacotah

2. **N** Nitrogen fertilizer, kg N cumulative to previous dressings:

-	None
N1	60

Experimental diary:

07-Apr-99	: B :	: Decoy at 15 kg.
09-Apr-99	: B :	: Roundup at 4.0 l in 220 l.
03-Jun-99	: T : N1	: 34.5% N at 174 kg.
11-Jan-00	: B :	: Cut.