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Yields of the Field Experiments 1997

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97/R/CS/411 Panicum Spp Study - Grass

Rothamsted Research

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97/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 fifth year, grass.

For previous year see 94-96/R/CS/411

Design: 3 blocks of 7 x 2 plots.

Whole plot dimensions: 5.0 x 2.0.

Treatments:

1. **VARIETY**

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

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

-	None
N1	60

Experimental diary:

10-Mar-97 : B : Barclay Gallup at 4.0 l in 200 l.
16-Apr-97 : T : N N1: 34.5% N at 174 kg.
02-Jul-97 : B : Hand weeded sow thistles.
01-Dec-97 : T : All but **VARIETY KANLOW**: Hand harvested.
15-Jan-98 : T : **VARIETY KANLOW**: Hand harvested.

97/R/CS/411

DRY MATTER TONNES/HECTARE

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

	N	-	N1	Mean
SPECIES				
CAVIN R	10.94		11.70	11.32
KANLOW	12.66		15.27	13.97
PATHFIND	13.38		10.60	11.99
SUNBURST	10.20		10.70	10.45
FORESTB	10.05		15.75	12.90
NEBR 28	15.12		11.91	13.51
DACOTAH	8.45		9.18	8.82
Mean	11.54		12.16	11.85

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

SPECIES	N	SPECIES
		N
1.312	0.701	1.856

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

Stratum	d.f.	s.e.	cv%
BLOCK	2	0.517	4.4
BLOCK.WP	26	2.273	19.2

MEAN DM% 49.5

PLOT AREA HARVESTED 0.00011