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## Yields of the Field Experiments 1997

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

#### Rothamsted Research

Rothamsted Research (1998) 97/R/CS/411 *Panicum Spp Study - Grass* ; Yields Of The Field Experiments 1997, pp 73 - 74 - DOI: <https://doi.org/10.23637/ERADOC-1-53>

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
<b>SPECIES</b>				
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