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## Yields of the Field Experiments 1998

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

#### Rothamsted Research

Rothamsted Research (1999) *98/R/CS/411 Panicum Spp Study - Grass* ; Yields Of The Field Experiments 1998, pp 74 - 75 - DOI: <https://doi.org/10.23637/ERADOC-1-52>

98/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 sixth year, grass.

For previous year see 94-97/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:**

19-Feb-98 : B : Barclay Gallup at 4.0 l in 220 l.  
08-May-98 : T : Dow Shield at 0.5 l in 220 l, spot treated thistles.  
04-Jun-98 : B : Dow Shield at 1.0 l in 220 l.  
05-Jun-98 : T : N N1: 34.5% N at 174 kg.  
16-Jun-98 : B : Muriate of potash at 190 kg. Triple superphosphate at 230 kg.  
25-Jan-99 : B : Hand harvested.

98/R/CS/411

DRY MATTER TONNES/HECTARE

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

	N	-	N1	Mean
<b>VARIETY</b>				
CAVIN R	13.61		11.33	12.47
KANLOW	12.27		12.78	12.53
PATHFIND	10.37		9.69	10.03
SUNBURST	10.35		9.54	9.95
FORESTB	10.36		8.77	9.57
NEBR 28	10.74		12.13	11.44
DACOTAH	8.01		9.36	8.69
Mean	10.82		10.52	10.67

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

VARIETY	N	VARIETY
		N
1.168	0.624	1.651

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	26	2.023	19.0
MEAN DM%	48.8		
PLOT AREA HARVESTED	0.00047		