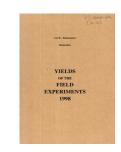
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Yields of the Field Experiments 1998



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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: 5.0×2.0 .

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

Experimental diary:

19-Feb-98 : B : Barclay Gallup at 4.0 1 in 220 1.

08-May-98 : T : Dow Shield at 0.5 1 in 220 1, spot treated thistles.

04-Jun-98 : B : Dow Shield at 1.0 1 in 220 1.

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
VARIETY			
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