

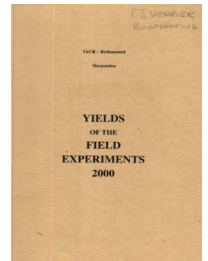
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 2000

[Full Table of Content](#)



00/R/CS/411 Panicum Study - Grass

Rothamsted Research

Rothamsted Research (2001) *00/R/CS/411 Panicum Study - Grass* ; Yields Of The Field Experiments 2000, pp 70 - 71 - DOI: <https://doi.org/10.23637/ERADOC-1-55>

00/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 eighth year, grass.

For previous year see 94-99/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. SPECIES

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 annual dressings:

-	None
N1	60

Experimental diary:

01-Apr-00 : B : : Alpha Glyphogan at 4.0 l in 220 l.
19-May-00 : B : : Muriate of potash at 462 kg. Triple superphosphate at 291 kg.
26-May-00 : T : N1 : 34.5% N at 174 kg.
16-Jun-00 : B : : Starane 2 at 1.0 l in 300 l.
23-Jun-00 : B : : Dow Shield at 1.0 l in 220 l, spot sprayed thistles.
16-Jan-01 : B : : Cut.

NOTES: (1) Harvested samples were analysed for chemical content.
(2) The yield of one plot, with treatment combination **SPECIES FORESTB N** - was lost because of an error in weighing. An estimate was used in the analysis.

00/R/CS/411

DRY MATTER TONNES/HECTARE

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

	N	-	N1	Mean
SPECIES				
CAVIN R	9.26		11.26	10.26
KANLOW	11.67		10.37	11.02
PATHFIND	8.42		8.31	8.36
SUNBURST	8.69		7.73	8.21
FORESTB	9.07		7.59	8.33
NEBR 28	9.81		9.69	9.75
DACOTAH	5.55		7.39	6.47
Mean	8.92		8.91	8.91

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

SPECIES	N	SPECIES
		N
0.803	0.429	1.136

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	25	1.391	15.6

MEAN DM% 74.5

PLOT AREA HARVESTED 0.00068