

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/498 Panicum Virgatum Study - Grass

Rothamsted Research

Rothamsted Research (2001) *00/R/CS/498 Panicum Virgatum Study - Grass* ; Yields Of The Field Experiments 2000, pp 94 - 95 - DOI: <https://doi.org/10.23637/ERADOC-1-55>

00/R/CS/498

PANICUM VIRGATUM STUDY

Object: To test *Panicum* cultivars for biomass production - Highfield IV/Road Piece East.

Sponsors: D.G. Christian.

The third year, grass.

Design: 3 randomised blocks of 16 plots.

Whole plot dimensions: 2.0 x 4.5.

Treatments:

CULTIVAR

A	Alamo
B	Blackwell
C	Caddo
D	Cave-in-Rock
E	Forestburg
F	Kanlow
G	Nebraska-28
H	NI 93-1
I	NI 93-2
J	NU 94-2
K	Reap 921
L	Shelter
M	SU 94-1
N	9005439
O	9005438

Plus 3 unreplicated plots of mixtures

X1	G+K
X2	B+L
X3	F+Carthage

Experimental diary:

31-Mar-00	: B :	: Gesaprim at 3.0 l in 200 l.
12-May-00	: B :	: tm)Gesaprim at 3.0 l in 200 l.
	: B :	: tm)Toil at 5.0 l in 200 l.
18-May-00	: B :	: 34.5% N at 58 kg.
19-May-00	: B :	: Muriate of potash at 262 kg.
16-Jun-00	: B :	: Starane 2 at 1.0 l in 300 l.
16-Jan-01	: B :	: Cut.

NOTE: Harvest samples were analysed for chemical content.

00/R/CS/498

TOTAL DRY WEIGHT TONNES/HECTARE

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

CULTIVAR

A	16.72
B	12.11
C	12.12
D	15.30
E	11.62
F	18.49
G	11.12
H	9.00
I	18.91
J	15.08
K	12.00
L	12.89
M	14.21
N	10.28
O	10.72
X1	14.55*
X2	15.29*
X3	17.05*

Mean 13.37

* Unreplicated and not included in analysis or mean

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

CULTIVAR

1.958

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	28	2.399	17.9
MEAN DM%	72.4		
PLOT AREA HARVESTED	0.00027		