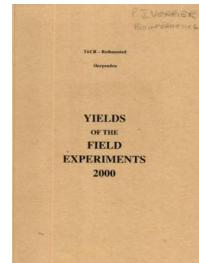


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# Yields of the Field Experiments 2000

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## 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.

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**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