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Yields of the Field Experiments 2000

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00/R/CS/498 Panicum Virgatum Study - Grass

Rothamsted Research

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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		