ROTHAMSTED RESEARCH

Yields of the Field Experiments 1994

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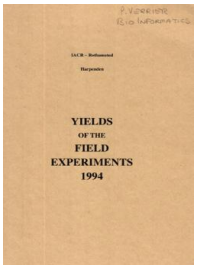

94/R/CS/411 Panicum Spp Study Grass - Grass

Rothamsted Research

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94/R/CS/411

PANICUM STUDY

Object: To quantify the biomass yield potential of varieties of *Panicum* sp. - Road Piece West.

Sponsor: D.G. Christian.

The second year, grass.

Design: 3 blocks of 7 x 2 plots.

Whole plot dimensions: 5.0 x 2.0.

Treatments:

1.	**VARIETY**	Variety:
	CAVIN R	Cave in Rock
	KANLOW	Kanlow
	PATHFIND	Pathfinder
	SUNBURST	Sunburst
	FOREST B	Forest Burg
	NEBR 28	NEBR 28
	DAKOTAH	Dakotah
2.	**NITROGEN**	Rates of fertilizer nitrogen (kg N):
	-	None
	N1	60

Experimental diary:

06-Jan-94 : B : Gramoxone 100 at 3.0 l in 220 l.
02-Feb-94 : B : Gesaprim 500 SC at 3.0 l in 220 l.
12-May-94 : **T** : **NITROGEN** N1: 34.5% N at 174 kg.
07-Mar-95 : B : Cut.

NOTE: All varieties were drilled at 10 kg on 12 May 1993.

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DRY MATTER TONNES/HECTARE

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

NITROGEN	-	N1	Mean
VARIETY			
CAVIN R	6.75	5.65	6.20
KANLOW	7.71	3.57	5.64
PATHFIND	6.89	5.43	6.16
SUNBURST	5.34	4.58	4.96
FOREST B	6.27	6.31	6.29
NEBR 28	5.95	5.36	5.66
DAKOTAH	4.41	3.96	4.18
Mean	6.19	4.98	5.58

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

VARIETY	NITROGEN	VARIETY NITROGEN
0.802	0.429	1.134

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	26	1.389	24.9

MEAN DM% 74.8

PLOT AREA HARVESTED 0.00003

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