

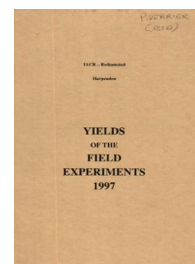
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Yields of the Field Experiments 1997

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

Rothamsted Research

Rothamsted Research (1998) 97/R/CS/411 *Panicum Spp Study - Grass* ; Yields Of The Field Experiments 1997, pp 73 - 74 - DOI: <https://doi.org/10.23637/ERADOC-1-53>

97/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 fifth year, grass.

For previous year see 94-96/R/CS/411

Design: 3 blocks of 7 x 2 plots.

Whole plot dimensions: 5.0 x 2.0.

Treatments:

1. VARIETY

| | |
|----------|--------------|
| CAVIN R | Cave in Rock |
| KANLOW | Kanlow |
| PATHFIND | Pathfinder |
| SUNBURST | Sunburst |
| FORESTB | Forestburg |
| NEBR 28 | NEBR 28 |
| DACOTAH | Dacotah |

2. N Nitrogen fertilizer, kg N cumulative to previous dressings:

| | |
|----|------|
| - | None |
| N1 | 60 |

Experimental diary:

10-Mar-97 : B : Barclay Gallup at 4.0 l in 200 l.
16-Apr-97 : T : N N1: 34.5% N at 174 kg.
02-Jul-97 : B : Hand weeded sow thistles.
01-Dec-97 : T : All but **VARIETY KANLOW**: Hand harvested.
15-Jan-98 : T : **VARIETY KANLOW**: Hand harvested.

97/R/CS/411

DRY MATTER TONNES/HECTARE

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

| | N | - | N1 | Mean |
|----------------|-------|---|-------|-------|
| SPECIES | | | | |
| CAVIN R | 10.94 | | 11.70 | 11.32 |
| KANLOW | 12.66 | | 15.27 | 13.97 |
| PATHFIND | 13.38 | | 10.60 | 11.99 |
| SUNBURST | 10.20 | | 10.70 | 10.45 |
| FORESTB | 10.05 | | 15.75 | 12.90 |
| NEBR 28 | 15.12 | | 11.91 | 13.51 |
| DACOTAH | 8.45 | | 9.18 | 8.82 |
| Mean | 11.54 | | 12.16 | 11.85 |

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

| SPECIES | N | SPECIES |
|---------|-------|---------|
| | | N |
| 1.312 | 0.701 | 1.856 |

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

| Stratum | d.f. | s.e. | cv% |
|----------|------|-------|------|
| BLOCK | 2 | 0.517 | 4.4 |
| BLOCK.WP | 26 | 2.273 | 19.2 |

MEAN DM% 49.5

PLOT AREA HARVESTED 0.00011