

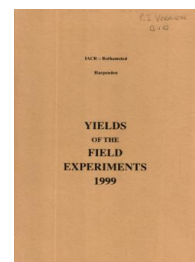
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## Yields of the Field Experiments 1999

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### 99/R/CS/411 Panicum Study - Grass

#### Rothamsted Research

Rothamsted Research (2000) *99/R/CS/411 Panicum Study - Grass* ; Yields Of The Field Experiments 1999, pp 69 - 70 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/R/CS/408

# MISCANTHUS SINENSIS GIGANTEUS STUDY

**Object:** To quantify the biomass yield potential of *Miscanthus sinensis Giganteus*  
- Road Piece West.

**Sponsor:** D.G. Christian.

The seventh year, grass.

For previous years see 94-98/R/CS/408.

**Design:** 3 randomised blocks of 3 plots.

**Whole plot dimensions:** 10.0 x 10.0.

## Treatments:

|          |                                                             |
|----------|-------------------------------------------------------------|
| <b>N</b> | Nitrogen fertilizer cumulative to previous dressings, kg N: |
| -        | None                                                        |
| N1       | 60                                                          |
| N2       | 120                                                         |

## Experimental diary:

|           |          |                                                   |
|-----------|----------|---------------------------------------------------|
| 07-Apr-99 | : B :    | : Decoy at 15 kg.                                 |
|           | : B :    | : Starane 2 at 1.0 l in 220 l eastern 6 m.        |
|           | : B :    | : Starane 2 at 1.0 l in 400 l except eastern 6 m. |
| 03-Jun-99 | : T : N1 | : 34.5% N at 174 kg                               |
|           | : T : N2 | : 34.5% N at 348 kg                               |
| 27-Jan-00 | : B :    | : Cut.                                            |

## DRY MATTER TONNES/HECTARE

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

| N | -     | N1    | N2    | Mean  |
|---|-------|-------|-------|-------|
|   | 14.49 | 14.05 | 14.76 | 14.44 |

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

**N**  
0.163

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

| Stratum  | d.f. | s.e.  | cv% |
|----------|------|-------|-----|
| BLOCK.WP | 4    | 0.200 | 1.4 |

MEAN DM% 52.4

AVERAGE PLOT AREA HARVESTED 0.00041

99/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 seventh year, grass.

For previous year see 94-98/R/CS/411

**Design:** 3 randomised blocks of 7 x 2 plots.

**Whole plot dimensions:** 5.0 x 2.0.

**Treatments:** All combinations of:-

1. **VARIETY**

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

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

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

**Experimental diary:**

|           |          |                              |
|-----------|----------|------------------------------|
| 07-Apr-99 | : B :    | : Decoy at 15 kg.            |
| 09-Apr-99 | : B :    | : Roundup at 4.0 l in 220 l. |
| 03-Jun-99 | : T : N1 | : 34.5% N at 174 kg.         |
| 11-Jan-00 | : B :    | : Cut.                       |