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99/R/CS/480 Miscanthus Genotypes - Grasses

Rothamsted Research

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99/W/CS/478 MAIZE

WHOLE CROP YIELD TONNES/HECTARE

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

| CROP | |
|------|------|
| M | 9.14 |
| MB | 9.80 |
| MTB | 9.52 |
| Mean | 9.49 |

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

| CROP |
|-------|
| 0.861 |

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

| Stratum | d.f. | s.e. | cv% |
|---------------------|---------|-------|------|
| BLOCK.WP | 4 | 1.055 | 11.1 |
| GRAIN MEAN DM% | 32.8 | | |
| PLOT AREA HARVESTED | 0.00108 | | |

S. BARLEY

GRAIN TONNES/HECTARE

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

| CROP | |
|------|------|
| BM | 3.98 |
| BTM | 4.39 |
| B | 3.87 |
| Mean | 4.08 |

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

| CROP |
|-------|
| 0.120 |

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

| Stratum | d.f. | s.e. | cv% |
|---------------------|---------|-------|-----|
| BLOCK.WP | 4 | 0.147 | 3.6 |
| GRAIN MEAN DM% | 85.8 | | |
| PLOT AREA HARVESTED | 0.00575 | | |

99/R/CS/480

MISCANTHUS GENOTYPES

Object: To compare growth, yield, winter survival and quality for combustion and fibre uses of a range of miscanthus genotypes - Long Hoos III 4.

Sponsors: D.G. Christian.

For previous year see 98/R/CS/480.

The third year, grasses.

Design: 3 randomised blocks of 15 plots.

Plot dimensions: 5.0 x 5.0.

Treatments:-

GENOTYPE

| | |
|----|-------------------------------|
| 1 | Giganteus/M1 Lasel 1 |
| 2 | Giganteus/M53 ILP53 |
| 3 | Giganteus/M56 Haga 56 |
| 4 | Giganteus/M63 Greif 63 |
| 5 | Sacchariflorus/M11 Materec 11 |
| 6 | Sinensis H/M7 Gofal 7 |
| 7 | Sinensis H/M42 Berbo 42 |
| 8 | Sinensis H/M43 RH43 |
| 9 | Sinensis H/M78 Jesel 78 |
| 10 | Sinensis H/M81 RH81 |
| 11 | Sinensis /88-110 |
| 12 | Sinensis /88-111 |
| 13 | Sinensis /90-5 |
| 14 | Sinensis /90-6 |
| 15 | Sinensis /SW 217 |

Experimental diary:

12-Mar-99 : B : : tm)PDQ at 3.0 l in 200 l.
 : B : : tm)Enhance at 100 ml in 200 l.
03-Jun-99 : B : : Muriate of potash at 276 kg.
 : B : : Triple superphosphate at 213 kg.
 : B : : 34.5% N at 174 kg.
28-Jan-00 : B : : Cut.