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Yields of the Field Experiments 1975

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75/ N/CS/107 - Vari Ties & Pathogens - 13yegrass

Rothamsted Research

Rothamsted Research (1976) 75/ N/CS/107 - Vari Ties & Pathogens - 13yegrass ; Yields Of The Field Experiments 1975, pp 199 - 200 - DOI: <https://doi.org/10.23637/ERADOC-1-141>

75/R/CS/107

VARIETIES AND PATHOGENS

Object: To compare the yields and susceptibilities to diseases of a range of Italian and Perennial Ryegrass varieties - Long Hoos IV.

Sponsors: R.T. Plumb, J.F. Jenkyn.

The third year, Italian and perennial ryegrass.

For previous years see 73-74/R/CS/107.

Design: 2 blocks of 2 whole plots split into 5 (Italian), 6 (Perennial) sub plots.

Whole plot dimensions: 13.1 x 6.10 (Italian), 15.8 x 6.10 (Perennial).

Treatments:-

Whole plots: 1. Ryegrass type:

	TYPE
Italian	ITALIAN
Perennial	PERENNIAL

Sub plots: 2. Varieties and sowing time:

Italian varieties (sown autumn 1972 except where stated):

Asso, sown spring 1973	ASSO(S)
Grasslands Manawa	MANAWA
R.V.P.	RVP
R.V.P., sown spring 1973	RVP(S)
S.22	S.22

Perennial varieties (all sown autumn 1972):

Endura	ENDURA
Glasnevin Leafy	GLASNEVI
Gremie	GREMIE
Monta C.I.V.	MONTA
Reveille	REVEILLE
S.24	S.24

Basal applications: Manures: (0:14:28) at 820 kg. (25:0:16) at 300 kg in spring.

Cultivations, etc.:- PK applied: 25 March, 1975. NK applied: 10 Apr.
Cut: 19 June.

NOTE: Virus and mite assessments were made on 22 May.

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*** TABLES OF MEANS ***

DIC MATTER TONNES/HECTARE

LST AND ONLY CUT (19/6/75)

VARIETY ASSO(S)	ITALIAN			PERENNIAL							
	MANAWA	RVP	RVP(S)	S22	ENDURA	GLASNEVI	GREMIE	MONTA	REVELLIE	S24	MEAN
5.80	4.42	5.79	6.09	6.23	5.55	7.03	6.38	6.68	7.03	7.17	6.20

*** STANDARD ERRORS OF DIFFERENCES OF MEANS ***

TABLE ----- VARIETY

SED

ONLY WHEN COMPARING MEANS WITH SAME LEVEL OF TYPE 0.654

*** STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION ***

STRATUM	DF	SE	CV%
BLOCK.WP.SP	9	0.654	10.5

MEAN DM% 27.7

SUB PLOT AREA HARVESTED 0.00056