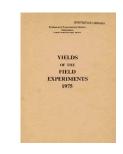
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Yields of the Field Experiments 1975



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Rothamsted Research

Rothamsted Research (1976) 75/ R/CS/162 - Times of Applying Acaricide - Ryegrass; Yields Of The Field Experiments 1975, pp 265 - 266 - DOI: https://doi.org/10.23637/ERADOC-1-141

75/R/CS/162

TIMES OF APPLYING ACARICIDE

Object: To study the effects of applying the acaricide endosulfan, at a range of times, on the incidence of ryegrass mosaic virus and its mite vectors and on the yield of ryegrass - Claycroft

Sponsors: R.W. Gibson, R.T. Plumb.

The first year, ryegrass.

Design: 4 randomised blocks of 18 plots.

Whole plot dimensions: 4.27 x 6.10.

Treatments: All combinations of:-

••	varieties	VARIETY
	Italian, S.22	g 00
	Perennial, S.24	2 57 2 55

2. Times of applying acaricide:

Never	n	
May (None in 1975)	MAY	
June (None in 1975)		
July (29 July)	JUNE	
	JULY	
August (2 Sept)	AUGUST	
September (1 October)		
October (30 October)	SEPTEME	
Mars-Dataham (00 Toll 0 Toll)	OCTOBE	3
May-October (29 July - 30 October)	MAY/DC3	7
After each cut (One in 1975)	POST CU	
	1001 00	1

ACA TIME

NOTE: Endosulfan was applied at 0.35 kg in 430 1.

Basal applications: Manures: (0:14:28) at 500 kg, 'Nitro-Chalk' at 300 kg. Weedkiller: Paraquat at 0.56 kg ion in 220 1.

Seed: Perennial ryegrass, S.24 sown at 25 kg Italian ryegrass, S.22 sown at 25 kg.

Cultivations, etc.:- Paraguat applied: 22 Apr, 1975. Cultivated 'wice, PK and N applied by cultivator drill, and cultivated: 6 May. Power harrowed: 9 May. Seed sown: 16 May. Topped: 16 July and 21 Aug. Cut: 26 Nov. Previous crops: Wheat 1973 and 1974.

NOTES: (1) Mites (Abacarus hystrix) were counted on 2 July, 5 Aug and 18 Nov.

(2) Herbage samples were taken for determination of endosulfan residues.

75/R/CS/162

1ST AND ONLY CUT (26/11/75) DRY MATTER TONNES/HECTARE

*** TABLES OF MEANS ***

S 22	S 24	MEAN
1.78	2.19	1.98
2.00	2.61	2.30
1.83	2.44	2.14
1.99	2.55	2.27
1.72	2.42	2.07
1.85	2.50	2.17
2.01	2.22	2.11
1.88	2.42	2.15
	1.78 2.00 1.83 1.99 1.72 1.85 2.01	1.78 2.19 2.00 2.61 1.83 2.44 1.99 2.55 1.72 2.42 1.85 2.50 2.01 2.22

***** S TANDARD ERRORS OF DIFFERENCES OF MEANS *****

TABLE	ACA TIME	VARIETY	ACA TIME VARIETY
SED	0.152 (1) 0.186 (2)	0.088	0.152 (3) 0.215 (1) 0.264 (2)

⁽¹⁾ O V ANY OF REMAINDER (2) ANY OF REMAINDER (3) O

***** S TRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION *****

STRATUM	DF	SE	CV%
BLCCK . WP	55	0.373	17.6

1ST CUT MEAN DM% 15.1

1ST CUT PLOT AREA HARVESTED 0.00062