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Numerical Results of the Field Experiments 1968

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68/C/19 Irrigation and Eelworm - Potatoes

Rothamsted Research

Rothamsted Research (1970) *68/C/19 Irrigation and Eelworm - Potatoes* ; Numerical Results Of The Field Experiments 1968, pp 193 - 195 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/C/23.2

SUMMARY OF RESULTS

DRY MATTER

	NO	N1	N2	N3	Mean
1ST CUT					
(±0.63)					(±0.31)
O	5.0	22.7	36.6	40.9	26.3
F	6.0	27.6	37.2	43.2	28.5
Mean (±0.44)	5.5	25.2	36.9	42.1	27.4
2ND CUT					
(±0.63)					(±0.31)
O	6.8	19.4	23.3	20.8	17.6
F	7.6	21.5	23.9	21.2	18.6
Mean (±0.44)	7.2	20.4	23.6	21.0	18.1
TOTAL OF 2 CUTS					
(±0.99)					(±0.50)
O	11.8	42.1	59.8	61.8	43.9
F	13.6	49.1	61.1	64.4	47.1
Mean (±0.70)	12.7	45.6	60.5	63.1	45.5

Mean D.M. %: 1st cut: 19.8
 2nd cut: 27.1
 Total of 2 cuts: 23.5

68/c/23.1

GRASS

(EAA)

Effects of formalin and nitrogen, Fosters O and E I, 1968 the second year.

Design: 4 randomised blocks of 8 plots.

Area of each plot: 0.0017. Area harvested: 0.0010.

Treatments: All combinations of:-

1. Formalin (applied 1967): None (O), sprayed with 38% solution of formaldehyde at 532 gals in 3630 gals (F).
2. Nitrogen (cumulative with 1967 dressings): None (NO), 0.3 (N1), 0.6 (N2), 0.9 (N3) cwt N as calcium nitrate per cut.

Basal applications: 8 cwt (0:14:28) in spring.

Cultivations, etc.: Basal PK and first N dressings applied: 25 Mar, 1968.
Cut twice: 21 May and 8 July. Calcium nitrate applied after first cut.

NOTE: For the previous year's results see 'Results' 67/C/31.

Standard errors per plot. Dry matter:

- 1st cut: 1.26 or 4.6% (21 d.f.)
2nd cut: 1.25 or 6.9% (21 d.f.)
Total of 2 cuts: 1.99 or 4.4% (21 d.f.)

68/c/22.2

SUMMARY OF RESULTS

GRAIN

Treatment	O	O	F	F	R	R	Z	Z	D	D	Mean
1967	O	O	F	F	R	R	Z	Z	D	D	
1968	O	F	O	F	R	Z	R	Z	O	D	
	(±1.36)										±0.43)
NO	33.1	35.6	34.0	33.7	33.6	37.7	31.0	35.7	34.3	21.0	33.0
NL	32.5	31.6	28.9	27.8	32.6	30.0	30.5	29.8	31.2	16.5	29.1
Mean (±0.96)	32.8	33.6	31.5	30.8	33.1	33.8	30.7	32.8	32.7	18.7	31.1

Mean D.M. %: 82.1