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Yields of the Field Experiments 1966

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66/R/AF/C/5 Levels of N and K - Grass 9th Year

Rothamsted Research

Rothamsted Research (1967) *66/R/AF/C/5 Levels of N and K - Grass 9th Year*; Yields Of The Field Experiments 1966, pp 135 - 137 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/C/5.3

DRY MATTER

N	0	1	1	1	1	2	2	2	3	3	3	3	3	3	Mean
P	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2
K	0	0	1	2	0	1	2	0	0	1	2	2	2	2	2

4TH CUT

0.4	8.4	9.9	10.4	11.7	15.3	16.3	9.7	15.0	15.0	15.7	15.1	11.9
					(±0.69)							

Mean D.M. %: 18.4

TOTAL OF 4 CUTS

15.6	60.9	66.4	64.8	90.5	94.8	98.1	89.7	100.9	104.1	104.7	105.6	83.0
					(±2.39)							

Mean D.M. %: 19.5

Treatment symbols:

N	0	1	2	3	0.0	0.3	0.6	0.9	cwt N as 'Nitro-Chalk' 21 per cut
P	0	1	2		0.0	0.6	1.2	cwt P205 as Granular Superphosphate	
K	0	1	2		0.0	0.3	0.6	cwt K2O as Granular Muriate of Potash per cut	

66/C/6.1

DECLINE OF TAKE-ALL

(AD)

The effect of crop sequences on the decline of take-all (*Ophiobolus graminis*) - Great Field I 1966, the fourth year, winter wheat.

Design: 3 randomised blocks of 6 plots each, using the plots of Series III of the Cereal - Bean Rotations Experiment (see 'Results' 61/C/1).

Area of each plot: 0.0145. Area harvested: 0.0091.

Treatments: 6 crop sequences. For details see 'Results' 63/C/8.

Basal applications: 2.5 cwt (0:10:20). Combine drilled, 1.0 cwt N applied in spring as 'Nitro-Chalk'. Weedkillers: Aminotriazole 4lb and ammonium thiocyanate 3.7 lb in 40 gals: Oct 14, 1965. Mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals): May 16, 1966.

Cultivations, etc.: Ploughed: Nov 10, 1965. Seed drilled at 190 lb: Jan 3, 1966. 'Nitro-Chalk' applied: Apr 27. Combine harvested: Aug 23. Variety: Cappelle.

NOTES: (1) Estimates were made of the incidence of take-all (*Ophiobolus graminis*) and of eyespot (*Cercospora herpotrichoides*).
(2) For details of the previous years' results see 'Results' 63/C/8, 64/C/7, 65/C/7.

Standard error per plot.
Grain: 2.19 or 7.4% (10 d.f.)