

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1966

[Full Table of Content](#)



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	1	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.)