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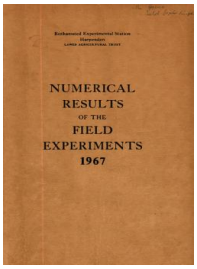
ROTHAMSTED RESEARCH

Yields of the Field Experiments 1967

Full Table of Content



67/W/WW201/DA/10 Spring Wheat - Sowing Dates and N

Rothamsted Research

Rothamsted Research (1968) *67/W/WW201/DA/10 Spring Wheat - Sowing Dates and N ;* Yields Of The Field Experiments 1967, pp 297 - 298 **- DOI: https://doi.org/10.23637/ERADOC-1-157**

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67/Da/10.1

SPRING WHEAT

(WW 201)

Effect of sowing date and time of nitrogen application on the incidence of take-all (Ophiobolus graminis) - Woburn Road Piece 1967.

Design: 3 randomised blocks of 3 plots, split into 2.

Area of each sub plot: 0.0207. Area harvested: 0.0106.

Treatments: All combinations of:-
Whole plots: 1. Sowing dates: Feb 15 (F), Mar 14 (M), Apr 17 (A). Seed drilled at 175 lb F plots, 170 lb M plots, and 185 lb A plots.
Sub plots: 2. Time of application of N: 0.8 cwt N at sowing (T1), 0.4 cwt N at sowing plus 0.4 cwt N on May 12 (T2), all N as 'Nitro-Chalk'.

Basal applications: 400 lb (0:14:28) combine drilled. Weedkiller: Ioxynil/mecoprop (Actril C at 5 pints in 35 gals).

Cultivations, etc.: Ploughed: Nov 8, 1966. Seed drilled and 'Nitro-Chalk' applied to F plots: Feb 15, 1967 - M plots: Mar 14 - A plots: Apr 17. Top dressing of 'Nitro-Chalk' applied to appropriate plots: May 12. Weedkiller applied: May 18. Combine harvested: Aug 22. Variety: Kloka. Previous crops: Barley 1965, 1966.

NOTE: Plant samples were taken during the growing season for incidence of take-all.

Standard errors per plot. Grain:
Whole plot: 1.27 or 5.6% (4 d.f.)
Sub plot: 2.24 or 9.8% (6 d.f.)

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67/Da/10.2

SUMMARY OF RESULTS

GRAIN

	F	M	A	Mean
		(1) and (2)		(±0.75)
T1	25.2	22.7	19.4	22.4
T2	27.3	22.8	19.7	23.3
Mean (±0.73)	26.2	22.7	19.6	22.8

(1) (±1.17) For use in horizontal and diagonal comparisons
(2) (±1.29) For use in vertical and interaction comparisons

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