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Yields of the Field Experiments 1966

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66/W/WW201/DA/5 Spring Wheat - Sowing Dates

Rothamsted Research

Rothamsted Research (1967) *66/W/WW201/DA/5 Spring Wheat - Sowing Dates* ; Yields Of The Field Experiments 1966, pp 255 - 256 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Da/5.1

SPRING WHEAT

(WW 201)

Effects of sowing date, and time of nitrogen application on the incidence of take-all - Woburn Lansome 1966.

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

Area of each sub-plot: 0.0154. Area harvested: 0.0101.

Treatments: All combinations of:-

Whole plots. 1. Sowing dates: Feb 17, 1966 (F), Mar 15 (M), Apr 13 (A). Seed drilled at 160 lb.

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 in early May (T2). All N as 'Nitro-Chalk'.

Basal applications: 390 lb (0:14:28) combine drilled. Sprayed with Ioxynil/mecoprop (Actril C at 5 pints in 35 gals).

- Cultivations, etc.: Ploughed: Sept 30 - Oct 25, 1965. Seed drilled, seedbed 'Nitro-Chalk' applied - F plots: Feb 17, 1966, - M plots: Mar 15. Seed drilled - A plots: Apr 13. 'Nitro-Chalk' applied - A plots: Apr 21. Top dressing 'Nitro-Chalk' applied: May 11. Combine harvested: Sept 6. Variety: Kloka. Previous crops: Winter wheat 1964, barley 1965.

NOTE: Plant samples were taken from all plots for incidence of take-all (*Ophiobolus graminis*) on 24th May and 6th July.

Standard errors per plot. Grain:
Whole plot: 1.96 or 6.1% (4 d.f.)
Sub plot: 2.15 or 6.7% (6 d.f.)

66/Da/5.2

SUMMARY OF RESULTS

GRAIN

	F	M	A	Mean
	(1) and (2)			(±0.72)
T1	30.4	33.0	33.7	32.3
T2	30.1	33.8	31.7	31.9
Mean (±1.13)	30.2	33.4	32.7	32.1

- (1) (±1.43) For use in horizontal and diagonal comparisons
 (2) (±1.24) For use in vertical and interaction comparisons

Mean D.M. %: 85.5