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Yields of the Field Experiments 1965

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65/R/BG1/DA/5 Winter Wheat - Sowing Dates and Bulb Fly

Rothamsted Research

Rothamsted Research (1966) *65/R/BG1/DA/5 Winter Wheat - Sowing Dates and Bulb Fly* ; Yields Of The Field Experiments 1965, pp 249 - 250 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Da/5.1

WINTER WHEAT

(BG 1)

Sowing dates and bulb fly, Stackyard 1965.

Design: 4 randomised blocks of 3 plots, split into 2 for covering to prevent egg-laying (unrandomised).

Area of each sub plot: 0.0096. Area harvested: 0.0064.

Treatments: All combinations of:-

Whole plots: 1. Sowing dates: Oct 27 (E), Nov 25 (M),
Dec 22 (L).

Sub plots: 2. Not covered (O), covered with polythene sheet July to mid-September (C).

Basal applications: 280 lb (6:15:15) combine drilled, 0.8 cwt N as 'Nitro-Chalk' top-dressed in spring, 25 cwt ground chalk. Seed dressed with organo-mercury fungicide only. Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals).

Cultivations, etc.: Floughed: June 18, 1964. Chisel ploughed twice: Oct 13. Ground chalk applied at 25 cwt: Oct 26. 'Nitro-Chalk' applied: Apr 14, 1965. Sprayed: May 6. Combine harvested: Sept 13. Variety: Cappelle. Previous crops: Barley and Kale 1963, bare fallow 1964.

NOTE: Samples were taken from late February until mid-May to estimate numbers of plants, shoots, larvae, damaged shoots and damaged larvae. Samples were taken just before harvest and ear number, grain weight, 100 grain weights and straw weights were recorded. Counts of straws were made in samples taken after harvest.

Standard errors per plot. Grain:

Whole plot: 3.44 or 9.3% (6 d.f.)

Sub plot: 4.90 or 13.2% (9 d.f.)

65/Da/5.2

SUMMARY OF RESULTS

GRAIN

	E	M	L	Mean
	(1) and (2)			
O	38.5	36.5	30.3	35.1
C	36.3	42.4	38.7	39.2
Mean (± 1.72)	37.4	39.4	34.5	37.1

(1) (± 2.44) For use in horizontal comparisons only

(2) (± 2.45) For use in interaction comparisons only

Mean D.M.%: 74.8