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Yields of the Field Experiments 1966

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66/R/BG13/DA/3 Winter Wheat - Sowing Dates and Bulb Fly

Rothamsted Research

Rothamsted Research (1967) *66/R/BG13/DA/3 Winter Wheat - Sowing Dates and Bulb Fly* ; Yields Of The Field Experiments 1966, pp 249 - 250 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Da/3.1

WINTER WHEAT

(BG 13)

Sowing dates and bulb fly, Stackyard 1966.

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 and weedkiller: Nov 2, 1965, sprayed* (ES). Jan 8, 1966, sprayed* (IS) and unsprayed (L-).

Sub plots: 2. Not covered (O), covered with polythene sheet to prevent egg-laying July 1 - Oct 7, 1965 (C).

* With mecoprop/2,4-D (Methoxone Extra at 6.5 pints in 56 gals) on May 13.

Basal applications: 284 lb (6:15:15) combine drilled, 0.8 cwt N as 'Nitro-Chalk' top dressed in spring. Seed dressed with organo-mercury fungicide only.

Cultivations, etc.: Ploughed: Oct 20, 1965. 'Nitro-Chalk' applied: Apr 26, 1966. Combine harvested: Aug 24. Variety: Cappelle. Previous crops: Barley 1964, fallow 1965.

NOTES: (1) Samples were taken from late February until mid-May to estimate numbers of plants, shoots and larvae and damaged plants and shoots. Samples were taken just before harvest to estimate ear number and grain weight. Counts were made for gaps and straw number in stubble after harvest.

(2) The intention was to make sowings in early November, late November and January but the late November sowing could not be made and the treatments listed above were applied.

Standard errors per plot. Grain:

Whole plot: 1.98 or 4.4% (6 d.f.)

Sub plot: 2.75 or 6.1% (8 d.f.)

66/Da/3.2

SUMMARY OF RESULTS

GRAIN

	ES	LS	L-	Mean
	(1) and (2)			
O	47.4	40.7	37.5	41.8
C	49.1	49.3	47.0	48.5
Mean (± 0.99)	48.2	45.0	42.2	45.1

- (1) (± 1.41) For use in horizontal comparisons only
 (2) (± 1.38) For use in interaction comparisons only

Mean D.M. %: 81.4