

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

Numerical Results of the Field Experiments 1968

[Full Table of Content](#)



68/DA/1 Sowing Dates and Bulb Fly - W. Wheat

Rothamsted Research

Rothamsted Research (1970) *68/DA/1 Sowing Dates and Bulb Fly - W. Wheat* ; Numerical Results Of The Field Experiments 1968, pp 291 - 292 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Da/1.1

WINTER WHEAT

(BG)

Sowing dates and bulb fly, Stackyard 1968.

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

Area of each sub plot: 0.0121. Area harvested: 0.0064.

Treatments: All combinations of:-

Whole plots: 1. Sowing dates: 10 Oct, 1967 (E), 27 Nov (M),
20 Dec (L).
Seed rate 180 lb.

Sub plots: 2. Not covered (O), covered with polythene sheet to prevent egg-laying 1 July to mid-September 1967 (C).

NOTE: The O sub plots were sprayed with diquat (Reglone at 4 pints in 30 gals) on 29 Aug 1967 to control weeds.

Basal applications: 280 lb (6:15:15) combine drilled, 0.8 cwt N as 'Nitro-Chalk' top dressed in spring, ground chalk at 50 cwt. Seed dressed with organo-mercury fungicide only. Weed-killers: Ioxynil at 9 oz and mecoprop at 27 oz in 20 gals.

Cultivations, etc.: Rotary cultivated: 5 June and 22 June, 1967.
Deep-tine cultivated: 30 June. Diquat applied to O sub plots: 29 Aug. Ploughed: 25 Sept. Ground chalk applied: 7 Oct. L plots rotary cultivated: 20 Dec. 'Nitro-Chalk' applied: 11 Apr, 1968. Ioxynil/mecoprop applied: 26 Apr. Combine harvested: 25 Aug. Variety: Cappelle.

NOTE: The populations of wheat bulb fly larvae were estimated from plant samples taken from uncovered plots.

Standard errors per plot. Grain:

Whole plot: 2.01 or 4.7% (6 d.f.)

Sub plot: 0.97 or 2.3% (9 d.f.)

68/Da/1.2

SUMMARY OF RESULTS

	GRAIN			Mean
	E	M	L	
	(1) and (2)			
O	46.0	40.7	39.5	42.1
C	47.2	42.4	39.9	43.2
Mean (± 1.00)	46.6	41.6	39.7	42.6

(1) (± 1.42) For use in vertical comparisons only(2) (± 0.49) For use in interaction comparisons only

Mean D.M. %: 84.0