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Yields of the Field Experiments 1967

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67/R/RW101/DA/1 Winter Wheat - Seed Rates, Methods of Sowing and Bulb Fly

Rothamsted Research

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67/Da/1.1

WINTER WHEAT

(RW 101)

Wheat bulb fly - seed rates and methods of sowing - Stackyard 1967.

Design: 6 randomised blocks of 4 plots.

Area of each plot: 0.0193. Area harvested: 0.0138.

Treatments: All combinations of:-

1. Sowing methods: Broadcast by drill (B), drilled (D).
2. Seed rates: 65 lb (R1), 183 (R3).

Basal applications: 280 lb (6:15:15) broadcast by drill. 0.84 cwt N as 'Nitro-Chalk' in spring. Weedkiller: Ioxynil/mecoprop (Actril C at 6 pints in 20 gals).

Cultivations, etc.: Rotary cultivated: Mar 30 and May 19, 1966.
Deep-tine cultivated: June 9. Rotary cultivated: July 1.
Seed sown, NPK basal compound applied: Nov 4. 'Nitro-Chalk' applied: Apr 18, 1967. Sprayed: May 9. Combine harvested: Aug 30. Variety: Cappelle. Previous crops: Winter wheat 1965, fallow 1966.

NOTE: Samples were taken from late February until mid-May to estimate numbers of plants, shoots, larvae and pupae and damaged plants and shoots.

Standard error per plot.

Grain: 3.45 or 10.2% (13 d.f.)

67/Da/1.2

SUMMARY OF RESULTS

GRAIN

	R1	R3	Mean
	(±1.41)		(±1.00)
B	29.5	41.0	35.3
D	20.8	43.5	32.1
Mean (±1.00)	25.2	42.2	33.7

Mean D.M. %: 84.7