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Yields of the Field Experiments 1961

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61/R/DA/2 Winter Wheat - Varieties and N

Rothamsted Research

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WINTER WHEAT

Varieties and levels of nitrogen - Deacons Field 1961.

Design: 4 randomised blocks of 12 plots each.

Area of each plot: 0.0212 acres. Area harvested: 0.0141 acres.

Treatments. All combinations of:-

Varieties: Cappelle (C); Professeur Marchal (M); Viking (V).

Levels of nitrogen (in addition to basal): 0.0; 0.3; 0.6; 0.9 cwt N per acre as 'Nitro-Chalk'.

Basal dressing: 2 cwt compound fertiliser (6% N, 15% P₂O₅, 15% K₂O) per acre combine drilled.

Cultivations, etc.: Ploughed: Nov 15 - 25, 1960. Seed combine drilled at 3 bushels per acre: Feb 13, 1961. 'Nitro-Chalk' applied: Apr 15. Sprayed with MCPA/TBA at 4 pints in 40 gallons per acre: May 8. Combine harvested: Sept 8. Previous crop: Spring beans.

Standard error. per plot.

Grain (at 85% dry matter): 2.03 cwt per acre or 4.9% (33 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

N: cwt per acre	Variety			Mean
	C	M	V	
		(±1.01)		(±0.59)
None	31.1	31.7	28.2	30.3
0.3	37.3	37.5	42.2	39.0
0.6	43.1	46.5	49.1	46.2
0.9	50.0	50.4	50.9	50.4
Mean (±0.50)	40.3	41.5	42.6	41.4

Mean dry matter % as harvested: 79.6