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## Yields of the Field Experiments 1959

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### 59/R/CA/1 Winter Wheat - Seed Rates, Sowing Dates and N (After Non-cereal Crop)

#### Rothamsted Research

Rothamsted Research (1960) *59/R/CA/1 Winter Wheat - Seed Rates, Sowing Dates and N (After Non-cereal Crop)* ; Yields Of The Field Experiments 1959, pp 67 - 68 - DOI:

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Summary of Results

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

Seed rate: bushels per acre	Date of sowing			N: cwt per acre (including basal)		Diff.	Mean
	Oct 16th	Nov 21st	Jan 8th	0.6	1.1		
	(±1.43)			(±1.15)*		(±1.59)	(±0.83)
2	52.8	52.0	48.2	50.5	51.5	+1.0	51.0
3	49.4	51.7	48.3	51.1	48.4	-2.7	49.8
4	49.7	50.0	53.8	53.0	49.3	-3.7	51.1
			Date of sowing	(±1.15)*		(±1.59)	(±0.83)
			Oct 16th	51.6	49.6	-2.0	50.6
			Nov 21st	53.2	49.3	-3.9	51.3
			Jan 8th	49.8	50.3	+0.5	50.1
			Mean	51.5	49.7	-1.8 (±0.92)	50.6

\*For use in vertical and diagonal comparisons.

Mean dry matter % as harvested: 85.6

59/Ga/2.1

WINTER WHEAT

Seed rates, sowing dates and levels of nitrogen (after cereal crop) -  
Great Knott III 1959.

Design: 3 randomized blocks of 8 plots each, plots being split into 2  
for the application of nitrogen.

Area of each sub plot: 0.0148 acres. Area harvested: 0.0096 acres.

Treatments. All combinations of:-

Whole plots. Seed rates: 2; 4 bushels per acre.  
Sowing dates: Oct 21; Nov 11; Nov 25, 1958;  
Jan 8, 1959.

Sub plots. Nitrogen (in addition to basal): 0.47; 0.93 cwt N  
per acre applied as 'Nitro-Chalk' in two equal parts in February  
and April.

Basal dressing: 3 cwt compound fertilizer (10%  $P_2O_5$ , 20%  $K_2O$ ) per acre  
broadcast in seed bed, 3 cwt compound fertilizer (5% N, 12½%  $P_2O_5$ ,  
12½%  $K_2O$ ) per acre combine drilled with seed.

Cultivations, etc.: Ploughed: Sept 20, 1958. Compound fertilizer  
applied: First sowing - Oct 20; second sowing - Nov 11; third  
sowing - Nov 25; fourth sowing - Jan 8, 1959. Nitrogen dressings  
applied: Feb 17 and Apr 22. Sprayed with 2-4D at  $\frac{3}{4}$  pint in 40  
gallons per acre: Apr 23. Combine harvested: Aug 12. Variety:  
Cappelle. Previous crop: Barley.

Note. Counts of plant shoot and ear number, estimates of plant height  
and incidence of Eyespot (*Cercospora herpotrichoides*) and  
Take-All (*Ophiobolus graminis*) were made. There was no lodging.

Standard errors per plot, Grain (at 85% dry matter):  
Whole plot: 2.60 cwt per acre or 6.4% (14 d.f.)  
Sub plot: 1.49 cwt per acre or 3.7% (16 d.f.)