

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

Yields of the Field Experiments 1959

[Full Table of Content](#)



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:

<https://doi.org/10.23637/ERADOC-1-179>

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/Ca/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.)