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Yields of the Field Experiments 1959

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59/R/CA/2 Winter Wheat - Seed Rates, Sowing Dates and N (After Non-cereal Crop)

Rothamsted Research

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59/Ca/2.2

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 21st	Nov 11th	Nov 25th	Jan 8th	0.6	1.1		
	(±1.50)				(±0.81)*		(±0.61)	(±0.75)
2	40.0	41.6	42.4	35.3	36.1	43.6	+7.5	39.8
4	43.1	42.4	43.4	37.3	38.0	45.1	+7.1	41.6
				Date of sowing	(±1.14)*		(±0.86)	(±1.06)
				Oct 21st	37.7	45.3	+7.6	41.6
				Nov 11th	38.5	45.5	+7.0	42.0
				Nov 25th	39.8	46.0	+6.2	42.9
				Jan 8th	32.1	40.4	+8.3	36.3
				Mean	37.1	44.3	+7.2 (±0.43)	40.7

*For use in vertical and diagonal comparisons.

Mean dry matter % as harvested: 78.4

59/Ca/3.1

SPRING WHEAT

Row spacing, seed rates and nitrogen - Long Hoos I, II and III 1959.

Design: 2 randomized blocks of 10 plots each, plots being split into 2 for the application of nitrogen.

Area of each sub plot (acres): 0.0148. Area harvested: 0.01 acre approximately (varying with row spacing).

Treatments. All combinations of:-

Whole plots. Row spacing, inches/seed rate, bushels per acre:
7/2; 7/4; 14/4; 14/2; 7B/3, where B = every 4th row blank.
Types of drill: Standard; precision.

Sub plots. Nitrogen: 0.6; 1.2 cwt N per acre as 'Nitra-Shell' in seed bed.

Basal dressing: None.

Cultivations, etc.: Ploughed: Oct 21, 1958. 'Nitra-Shell' applied, seed drilled: Mar 2, 1959. Sprayed with TCB/MCPA at 4 pints in 40 gallons per acre: May 14 and 27. Combine harvested: Aug 22. Variety: Koga II. Previous crop: Oats.

Standard error per plot, Grain (at 85% dry matter):

Whole plot: 1.35 cwt per acre or 4.3% (9 d.f.)
Sub plot: 2.68 cwt per acre or 8.5% (10 d.f.)