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Yields of the Field Experiments 1960

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60/R/CA/5 Winter Wheat - Standard and Precision Drill

Rothamsted Research

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60/Ca/5

WINTER WHEAT

Comparison of the standard with the precision drill - Great Knott I 1960.

Design: 4 randomised blocks of 6 plots each.

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

Treatments. All combinations of:-

Drills: Standard; precision.

Seed rates: 1; 2; 3 bushels per acre.

Basal dressing: 3 cwt compound fertiliser (6% N, 15% P₂O₅, 15% K₂O) per acre broadcast in seed bed and 5 cwt per acre sulphate of ammonia applied in spring.

Cultivations, etc.: Ploughed: Oct 13, 1959. Seed drilled, basal fertiliser applied: Oct 24. Sulphate of ammonia applied: Apr 8, 1960. Sprayed with CMPP at 6 pints in 40 gallons per acre: Apr 22. Combine harvested: Aug 30. Variety: Cappelle. Previous crop: Beans.

Note. Plant counts were made shortly after germination.

Standard error per plot.

Grain (at 85% dry matter): 1.40 cwt per acre or 2.7% (15 d.f.)

Summary of Results

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

Drill	Seed rate bushels per acre			Mean
	1	2	3	
		(±0.70)		(±0.40)
Standard	51.0	53.2	53.7	52.6
Precision	51.6	53.6	52.5	52.6
Mean (±0.49)	51.3	53.4	53.1	52.6

Mean dry matter % as harvested: 80.0