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Yields of the Field Experiments 1961

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61/R/C/4 Straw and Ryegrass Green Manure - Barley (Test Crop)

Rothamsted Research

Rothamsted Research (1962) *61/R/C/4 Straw and Ryegrass Green Manure - Barley (Test Crop)* ;
Yields Of The Field Experiments 1961, pp 97 - 97 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/C/4

BARLEY

Effects of green manures, N and straw - Stackyard (the second year) 1961.

Design: 6 randomised blocks of 9 plots each.

Area of each plot: 0.0114 acres. Area harvested: 0.0141 acres.

Treatments. All combinations of:-

Nitrogen: None; 0.3; 0.6 cwt N per acre as 'Nitro-Chalk'.

Green manures and straw: None; ryegrass undersown; ryegrass undersown plus straw left on the plot after harvest. (0;R;RS)

Basal dressing: 2½ cwt per acre compound fertiliser (20% P₂O₅, 20% K₂O) combine drilled.

Cultivations, etc.: Straw spread: Sept 8, 1960. Ploughed: Dec 17.

Seed combine drilled at 2½ bushels per acre, N applied:

Mar 11, 1961. Ryegrass drilled at 40 lb per acre: Apr 18.

Sprayed with 2,4-D at ¾ pint in 40 gallons per acre: May 13.

Combine harvested: Aug 17. Variety: Proctor; Ryegrass - S22 Italian.

Standard error per plot.

Grain (at 85% dry matter): 2.31 cwt per acre or 7.7% (40 d.f.)

Summary of Results

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

Green manure and straw	N: cwt per acre			Mean
	None	0.3	0.6	
		(±0.94)		(±0.54)
O	21.5	33.5	40.8	31.9
R	17.6	29.4	36.8	27.9
RS	19.6	30.8	39.2	29.9
Mean (±0.54)	19.6	31.2	38.9	29.9

Mean dry matter % as harvested: 84.6

Note: For details of the previous year's results see "Results of the Field Experiments" 60/Cb/2.