

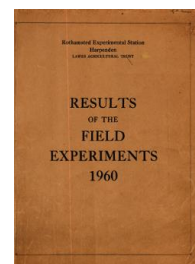
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1960

[Full Table of Content](#)



---

## 60/R/CB/2 Barley - Green Manures and N

### Rothamsted Research

Rothamsted Research (1961) *60/R/CB/2 Barley - Green Manures and N* ; Yields Of The Field Experiments 1960, pp 99 - 99 - DOI: <https://doi.org/10.23637/ERADOC-1-180>

60/Cb/2

BARLEY

Effects of green manures, N and straw - Stackyard 1960.

Design: 6 randomised blocks of 9 plots each.

Area of each plot: 0.0212 acres. Area harvested: 0.0152 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.

Note: The straw treatment was not applied for the first crop.

Basal dressing: 3 cwt compound fertiliser (16% P<sub>2</sub>O<sub>5</sub>, 16% K<sub>2</sub>O) per acre combine drilled.

Cultivations, etc.: Ploughed: Nov 12 - 17, 1959. Rotary cultivated twice to kill couch (*Agropyron repens*): Mar 22, 1960 and Apr 13. Seed combine drilled at 2½ bushels per acre with basal fertiliser, N applied: Apr 14. Ryegrass drilled at 40 lb per acre: Apr 19. Sprayed with CMPP at 6 pints in 40 gallons per acre: May 25. Combine harvested: Aug 22. Variety: Proctor; Ryegrass - S22 Italian. Previous crop: wheat.

Standard error per plot.

Grain (at 85% dry matter): 1.336 cwt per acre or 4.1% (43 d.f.)

Summary of Results

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

Undersown	N: cwt per acre			Mean
	None	0.3	0.6	
None (±0.55)	32.1	34.2	33.4	33.2 (±0.31)
Ryegrass (±0.39)	30.0	33.2	33.1	32.1 (±0.22)
Mean (±0.31)	30.7	33.5	33.2	32.4
Diff. (±0.67)	-2.1	-1.0	-0.3	-1.1 (±0.39)

Mean dry matter % as harvested: 81.3