

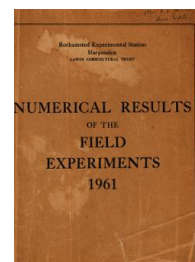
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1961

[Full Table of Content](#)



---

## 61/W/C/5 *Trefoil* and Ryegrass Green Manures - Barley (Test Crop)

### Rothamsted Research

Rothamsted Research (1962) *61/W/C/5 Trefoil and Ryegrass Green Manures - Barley (Test Crop)* ; Yields Of The Field Experiments 1961, pp 98 - 98 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/C/5

BARLEY

Effects of Trefoil and Ryegrass green manures and N - Woburn, Lansome Field 1961.

Design: 3 randomised blocks of 16 plots each.

Area of each plot: 0.0193 acres. Area harvested: 0.0138 acres.

Treatments. All combinations of:-

Nitrogen: None(O); 0.3; 0.6; 0.9 cwt N per acre as 'Nitro-Chalk'.

Green manures: None; trefoil (T); Italian ryegrass (R);

Italian ryegrass sown with 0.6 cwt N per acre as 'Nitro-Chalk'(RN).

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.: N applied for ryegrass: July 22, 1960. Trefoil sown at 30 lb and ryegrass at 40 lb per acre: July 23. Ground chalk applied at 48 cwt per acre: Jan 12, 1961. Ploughed: Jan 26. Seed combine drilled at 2 $\frac{1}{4}$  bushels per acre: Mar 8. Sprayed with TCB/MCPA at 4 pints in 40 gallons per acre: May 6. Combine harvested: Aug 17. Variety: Proctor; Ryegrass - S22 Italian. Previous crop: Early potatoes.

Standard error per plot.

Grain (at 85% dry matter): 2.86 cwt per acre or 10.2% (30 d.f.)

Summary of Results

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

Green Manure	N: cwt per acre				Mean
	None	0.3	0.6	0.9	
		(±1.65)			(±0.83)
O	18.2	28.1	34.4	31.8	28.1
T	22.5	27.5	32.8	30.7	28.4
R	19.4	26.9	33.3	30.0	27.4
RN	25.6	30.7	29.8	29.4	28.9
Mean (±0.83)	21.4	28.3	32.6	30.5	28.1

Mean dry matter % as harvested: 81.4

Note: The trefoil made very poor growth. Estimates of dry matter and N per acre in the green manures were made just before ploughing.