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## Yields of the Field Experiments 1959

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### 59/R/A/6 Hoosfield Exhaustion Land - Barley

#### Rothamsted Research

Rothamsted Research (1960) *59/R/A/6 Hoosfield Exhaustion Land - Barley* ; Yields Of The Field Experiments 1959, pp 17 - 19 - DOI: <https://doi.org/10.23637/ERADOC-1-179>

Barley

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

Plots cross cropped in 1957 and 1958 and harvested by hand as microplots in 1959.

Previous crop

Strip	Treatment for 1957 crop (1958 fallow)	Potatoes		Sugar beet		Kale		Barley		Wheat		Swedes	
		Grain	Straw	Grain	Straw	Grain	Straw	Grain	Straw	Grain	Straw	Grain	Straw
5	P <sup>0</sup>	30.1	39.5	25.9	31.8	28.0	38.0	16.8	18.9	24.4	30.3	26.8	33.5
	P <sup>1</sup>	24.1	27.7	27.2	38.0	25.8	34.8	25.9	26.1	27.6	37.8	24.8	32.5
	P <sup>2</sup>	26.5	30.4	29.8	41.3	31.2	41.2	24.9	25.7	27.3	32.9	25.7	30.0
	P <sup>4</sup>	33.1	38.7	27.4	36.1	35.1	47.7	20.7	20.5	25.6	28.7	29.7	34.1
	P <sup>0</sup> <sub>4</sub>	31.5	38.6	34.5	42.6	33.8	33.2	30.9	33.2	28.8	30.4	43.0	39.5
9	P <sup>0</sup> <sub>4</sub>	28.1	37.6	33.6	45.2	36.8	36.0	33.6	34.1	25.8	29.9	29.5	31.7
	P <sup>0</sup>	29.2	38.3	21.3	24.9	31.4	40.5	20.6	26.0	17.6	30.5	25.2	33.6
	P <sup>1</sup>	30.8	39.1	24.3	28.5	27.5	36.8	23.4	29.6	20.7	29.5	24.9	34.1
	P <sup>2</sup>	28.5	35.4	21.4	24.8	27.9	39.2	26.1	31.9	21.5	28.3	27.7	36.3
	P <sup>4</sup>	27.9	35.5	24.8	28.9	27.4	36.4	27.2	33.4	26.5	33.0	21.0	34.9
5	P <sup>0</sup>	36.7	36.8	26.3	29.8	29.7	40.7	27.8	29.9	27.5	29.3	31.8	33.7
	P <sup>0</sup> <sub>4</sub>	34.9	32.1	31.7	34.1	33.5	41.2	28.3	30.9	27.5	29.3	29.0	32.4
	P <sup>1</sup>	29.2	38.3	21.3	24.9	31.4	40.5	20.6	26.0	17.6	30.5	25.2	33.6
	P <sup>2</sup>	30.8	39.1	24.3	28.5	27.5	36.8	23.4	29.6	20.7	29.5	24.9	34.1
	P <sup>4</sup>	28.5	35.4	21.4	24.8	27.9	39.2	26.1	31.9	21.5	28.3	27.7	36.3

Mean dry matter % of hand harvested plots:

Grain: 84.9

Straw: 84.7

59/A/8

CLOVER - ROTHAMSTED GARDEN 1959

The 106th year

For history, etc. see "Details of the Classical and Long Term Experiments" 1956.

Cultivations, etc.: Muriate of potash applied: Jan 5, 1959.  
Blank patches resown: May 2 and July 17. Cut twice: July 17, Sept 21.

Summary of Results

Dry matter: cwt per acre

Muriate of potash: cwt per acre	Cuts		Total
	1st	2nd	
None	4.1	3.1	7.2
2	11.2	9.2	20.4

59/A/9.1

WHEAT AND BARLEY - WOBURN STACKYARD 1959

For history, treatments, etc., see "Details of the Classical and Long Term Experiments" 1956.

Strip cropping 1959: To investigate the residual effects of early manures, winter wheat and spring barley were sown in strips across these two experiments. Yields were estimated from sample combine cuts.

Cultivations, etc.: The site of the Continuous Wheat was ploughed on May 28 and Sept 26, 1958 and that of the Continuous Barley on May 27 and Oct 28.

Wheat: Seed drilled at 3 bushels per acre: Dec 5. 'Nitra-Shell' (20.5% N) applied at  $4\frac{1}{2}$  cwt per acre: Mar 25, 1959. Sprayed with TCB/MCPA at 4 pints in 40 gallons per acre: Apr 29. Combine harvested: Aug 20. Variety: Squarehead's Master 13/4.

Barley: Seed drilled at 3 bushels per acre: Mar 16, 1959. 'Nitra-Shell' (20.5% N) applied at  $4\frac{1}{2}$  cwt per acre: Mar 25. Sprayed with TCB/MCPA at 4 pints in 40 gallons per acre: May 11. Combine harvested: Aug 19. Variety: Plumage Archer.