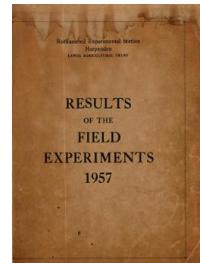


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# **Yields of the Field Experiments 1957**

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## **57/R/CB/1 Barley - N P and Residual Dung N P K**

### **Rothamsted Research**

Rothamsted Research (1958) *57/R/CB/1 Barley - N P and Residual Dung N P K ; Yields Of The Field Experiments 1957*, pp 76 - 77 - DOI: <https://doi.org/10.23637/ERADOC-1-177>

57/Cb/1.2

Summary of Results

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

		Dung to potatoes 1956: tons per acre				Mean
		None	5	10	20	
Mean	(±0.39)	40.0	41.5	41.6	42.4	41.4
<u>Applied to potatoes 1956</u>						
N: cwt per acre						
None	(±0.55)	39.4	41.7	41.5	42.2	41.2
0.9		40.7	41.3	41.7	42.6	41.6
Diff. (±0.78)		+1.3	-0.4	+0.2	+0.4	+0.4 (±0.39)
P <sub>2</sub> O <sub>5</sub> : cwt per acre						
None	(±0.55)	39.2	40.8	40.7	41.9	40.7
0.75		40.9	42.3	42.5	42.8	42.1
Diff. (±0.78)		+1.7	+1.5	+1.8	+0.9	+1.4 (±0.39)
K <sub>2</sub> O: cwt per acre						
None	(±0.55)	40.7	41.5	41.2	42.4	41.5
1.5		39.4	41.6	41.9	42.3	41.3
Diff. (±0.78)		-1.3	+0.1	+0.7	-0.1	-0.2 (±0.39)
<u>Applied to barley 1957</u>						
N: cwt per acre						
None	(±0.55)	40.2	42.0	41.7	42.3	41.6
0.4		39.9	41.1	41.4	42.4	41.2
Diff. (±0.78)		-0.3	-0.9	-0.3	+0.1	-0.4 (±0.39)
P <sub>2</sub> O <sub>5</sub> : cwt per acre						
None	(±0.55)	39.0	40.4	40.8	42.6	40.7
0.4		41.1	42.6	42.4	42.2	42.1
Diff. (±0.78)		+2.1	+2.2	+1.6	-0.4	+1.4 (±0.39)

57/Cb/1.3

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

Response to	Responses to treatments								
	Applied to potatoes 1956			Applied to barley 1957					
	cwt per acre			N	None 0.9	P <sub>2</sub> O <sub>5</sub> None 0.75	K <sub>2</sub> O None 1.5	N	None 0.4
(±0.55)									
<u>Applied to potatoes 1956</u>									
N	-	-	+0.2 +0.6	-0.3 +1.1	+0.5 +0.3	+1.0 -0.2			
P <sub>2</sub> O <sub>5</sub>	+1.3 +1.7	-	-	+1.8 +1.2	+0.8 +2.2	+2.0 +1.0			
K <sub>2</sub> O	-0.8 +0.6	+0.2 -0.4	-	-	-0.4 +0.2	-0.1 -0.1			
<u>Applied to barley 1957</u>									
N	-0.3 -0.5	-1.1 +0.3	-0.7 -0.1	-	-	-	-0.3 -0.5		
P <sub>2</sub> O <sub>5</sub>	+2.0 +0.8	+1.9 +0.9	+1.4 +1.4	+1.5 +1.3	-	-			

Mean dry matter % as harvested: 85.4