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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 (± 0.55)	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 ₂ O ₅ : cwt per acre					
None (± 0.55)	39.2	40.8	40.7	41.9	40.7
0.75 (± 0.55)	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 ₂ O: cwt per acre					
None (± 0.55)	40.7	41.5	41.2	42.4	41.5
1.5 (± 0.55)	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 (± 0.55)	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 ₂ O ₅ : cwt per acre					
None (± 0.55)	39.0	40.4	40.8	42.6	40.7
0.4 (± 0.55)	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				
	N		P ₂ O ₅		K ₂ O		N		P ₂ O ₅	
None	0.9	None	0.75	None	1.5	None	0.4	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 ₂ O ₅	+1.3	+1.7	-	-	+1.8	+1.2	+0.8	+2.2	+2.0	+1.0
K ₂ 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 ₂ O ₅	+2.0	+0.8	+1.9	+0.9	+1.4	+1.4	+1.5	+1.3	-	-

Mean dry matter % as harvested: 85.4