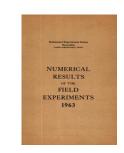
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Yields of the Field Experiments 1963



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Rothamsted Research

Rothamsted Research (1964) 63/R/AR/C/5 Methods of Application of Fertiliser 1962-63 - Potatoes; Yields Of The Field Experiments 1963, pp 143 - 144 - **DOI**:

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63/c/5.1

METHODS OF APPLICATION OF FERTILISER 1963 - 64.

(AR)

Methods of application of fertiliser - Great Knott II 1963, the first year - potatoes.

Design: 3 randomised blocks of 12 plots each.

Area of each plot: 0.0212 acres. Area harvested: 0.0133 acres.

Treatments. None (0) (3 plots per block), and all combinations of:
Levels of compound fertiliser (13% N, 13% P205, 20% K20) to supply

(cwt per acre):-

N	1502	K20		
0.66	0.66	1.02	(1)	
1.32	1.32	2.03	(2)	
2.00	2.00	3.07	(3)	

Methods of application: Broadcast (B), placed (P), broadcast and rotary cultivated in (BR).

Note: The experiment is designed to include an additional factor applied to the 1964 wheat crop, viz. PK broadcast on seedbed and 'Nitro-Chalk' as spring top dressing to supply:
N, P205 and K20 at levels as (0), (1), (2) above.

Basal dressing: None.

Cultivations, etc.: Ploughed: Mar 28 - Apr 10, 1963. Rotary cultivated, potatoes planted: May 7. Earthed up: June 27. Sprayed with maneb at 1.2 lb in 20 gallons per acre: July 10. Sprayed with copper fungicide at 2.3 lb copper in 20 gallons per acre: July 29, and again at the same rate plus 0.35 pint menazon per acre: Aug 15. Sprayed with undiluted BOV at 16 gallons per acre: Sept 23. Lifted: Oct 21. Variety: King Edward. Previous crops: Barley 1961, spring beans 1962.

Standard error per plot.

Total tubers: 0.786 tons per acre or 7.3% (24 d.f.)

Erratum to 'Numerical Results of the Field Experiments' 1962 page 62/C/9.1,

'Total tubers: tons per acre'. Delete the standard error '(±0.181)'
under the general mean.

63/c/5.2

Summary of Results

V. 43 - 2 24 44	Level of compound fertiliser				
Method of application of fertiliser	0	1	2	3	Mean
<u> </u>	otal tubers	: tons per	acre		
	T	(±0.	454)		(±0.262)
Broadcast Placed Broadcast and rotovated in		10.86 10.08 9.51	11.93	13.10 13.83 13.98	12.12 11.95 11.97
Mean (±0.262)	7.23	10.15	12.25	13.64	10.81*
Perc	entage ware	(1.5 inch	riddle)		
Broadcast Placed Broadcast and rotovated in		96.3 93.4 95.4	94.8 94.1 95.8	95.3 93.7 95.6	95.5 93.7 95.6
Mean	93.8	95.1	94.9	94.9	94.6*

Level of compound fertiliser

	cwt per acre			
(0)	N	P205 None	K20	
(1)	0.66	0.66	1.02	
(2)	1.32	1.32	2.03	
(3)	2.00	2.00	3.07	

^{*} General mean