

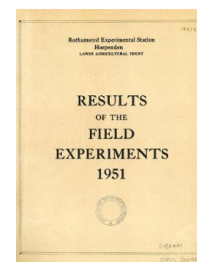
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Yields of the Field Experiments 1951

[Full Table of Content](#)



### 51/CE/4 Potatoes - Method of Planting - Rothamsted

#### Rothamsted Research

Rothamsted Research (1952) *51/CE/4 Potatoes - Method of Planting - Rothamsted* ; Yields Of The Field Experiments 1951, pp 84 - 84 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/Ce/4

POTATOES

Nitrophosphates - Highfield 4 1951.

System of replication: 5 randomized blocks of 6 plots each.

Area of each plot: 0.014 acre.

Treatments: None; Sulphate of ammonia; Granular superphosphate; Sulphate of ammonia and Superphosphate; British nitrophosphate (12.8% N, 15.25% P<sub>2</sub>O<sub>5</sub>); Dutch nitrophosphate (20% N, 20.3% P<sub>2</sub>O<sub>5</sub>). The dressings supply 0.39 cwt N and 0.39 cwt P<sub>2</sub>O<sub>5</sub> per acre, the British nitrophosphate receiving extra N as Sulphate of ammonia to reach this standard.

Basal manuring: 2 cwt Muriate of potash per acre.

All fertilizers were directed into the bottom of the furrows.

Cultivations, etc: Ploughed: Mar 1. Ground chalk, 24 cwt per acre, applied: Apr 18. Ridged, fertilizers applied: May 7. Potatoes planted: May 8. Earthed up ridges: July 12. Sprayed with copper fungicide 5 lb per acre: Aug 15 and again Sept 11. Sprayed with 20% Sulphuric acid: Sept 29. Lifted: Oct 15. Variety: Majestic. Previous crop: Permanent grass.

Standard error per plot:

Total clean tubers: 1.03 tons per acre or 14.7% (20 d.f.)

Summary of Results

	No fert- ilizer	Sulphate of Ammonia	Super- phosphate	Sulphate of Ammonia and Super- phosphate	British Nitro- phosphate	Dutch Nitro- phosphate	Mean
Total clean tubers: tons per acre							
Mean	6.67	7.16	7.20	7.47	7.04	6.46	7.00
(±0.462)							
Increase		0.49	0.53	0.80	0.37	-0.21	
(±0.653)							
Percentage Ware (1½" riddle)							
Mean	79.2	73.3	80.3	79.1	78.9	81.6	78.8
Increase		-5.9	1.1	-0.1	-0.3	2.4	