

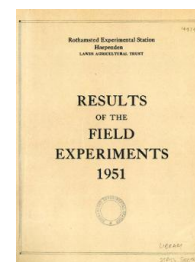
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Yields of the Field Experiments 1951

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51/CE/2 Potatoes - Method of Planting - Rothamsted

Rothamsted Research

Rothamsted Research (1952) *51/CE/2 Potatoes - Method of Planting - Rothamsted* ; Yields Of The Field Experiments 1951, pp 81 - 82 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/Ce/2.1

POTATOES

Methods of Planting and fertilizer application - Great Harpenden, 1951.

System of replication: 3 randomized blocks of 9 plots each.

Area of each plot: 0.028 acre. Area harvested: 0.021 acre.

Treatments: All combinations of:-

Compound fertilizer (7% N, 7% P_2O_5 , 10.5% K_2O); None; $7\frac{1}{2}$; 15 cwt per acre.

Methods of planting: A - Draw ridges, broadcast fertilizer over ridges, plant by hand, split back ridges (standard method); D - Broadcast fertilizer on the flat, draw ridges, plant deep in ridges with dropper; S - As D but plant shallow.

Basal manuring: None

Cultivations, etc.: Ploughed: Sept 25 and again Jan 3. Ridged, fertilizer applied, potatoes planted: May 17. Earthed up ridges: July 23. Sprayed with copper fungicide, 5 lb per acre: Aug 16 and again Sept 11. Sprayed with 20% sulphuric acid to kill off haulm: Oct 10. Lifted: Oct 17. Variety: Majestic. Previous crop: Linseed.

Standard errors per plot:

Total clean tubers: 0.768 tons per acre or 12.2% (16 d.f.)

Plant number: 0.562 thousands per acre or 5.0% (16 d.f.)

51/6e/2.2

Summary of Results

Compound Fertilizer cwt per acre	Method of planting			Mean
	A	D	S	
Total Clean Tubers: tons per acre				
		(± 0.443)		(± 0.256)
0	3.44	4.73	6.03	4.73
$7\frac{1}{2}$	4.67	7.73	7.54	6.65
15	6.59	7.21	8.72	7.51
Mean (± 0.256)	4.90	6.56	7.43	6.30
Plant Number: thousands per acre				
		(± 0.32)		(± 0.19)
0	10.1	11.3	12.2	11.2
$7\frac{1}{2}$	9.6	12.2	12.1	11.3
15	10.2	11.7	11.8	11.2
Mean (± 0.19)	9.9	11.7	12.0	11.2

A - Draw ridges, broadcast fertilizer over ridges, plant by hand, split back ridges (standard method).

D - Broadcast fertilizer on the flat, draw ridges, plant deep in ridges with dropper.

S - As D but plant shallow.