

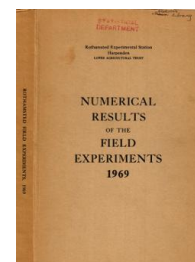
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Numerical Results of the Field Experiments 1969

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69/W/P/6 - Deeply Injected Fertiliser - Potatoes

Rothamsted Research

Rothamsted Research (1970) *69/W/P/6 - Deeply Injected Fertiliser - Potatoes* ; Numerical Results Of The Field Experiments 1969, pp 313 - 314 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

POTATOES

(69/W/P/6)

Deeply injected fertiliser - Woburn Stackyard C 1969.

Design: 3 blocks of 10 plots.

Area of each plot: 0.0022. Area harvested: 0.0022.

Treatments: FYM, fertilisers and methods of application:

F2D, F4D, F2DS, F4DS, F2S, F4S, D2, D4, D2F2S, D4F2S where
D2: D4 = 15: 30 tons FYM dug in
F2: F4 = 2.0 cwt N, 3.0 cwt P2O5, 3.0 cwt K2O, 4.0 cwt N, 6.0 cwt
P2O5, 6.0 cwt K2O as 'Nitro-Chalk' 21% N and compound
fertiliser (0:20:20).

DE: S: DES = Applied deeply: shallowly: half deeply and half shallowly.

Basal applications: 3 tons ground chalk, 5 cwt kieserite. Insecticides:
Malathion at 0.6 pts in 50 gals. Dimethoate at 0.3 lb in 40 gals on
two occasions with fungicide. Fungicide: Fentin hydroxide at 0.07
lb plus maneb at 0.53 lb in 40 gals on two occasions with dimethoate,
fentin hydroxide at 0.1 lb plus maneb at 0.8 lb in 40 gals on one
occasion.

Cultivations, etc.: Ploughed: 7 Feb, 1969. Ground chalk, FYM and
deeply applied PK applied and dug in: 6 Mar. Deep N applied
and rotary cultivated, shallow N, PK, basal Mg applied and raked
in, potatoes planted: 15 Apr. Ridged: 16 Apr. Earthed up,
malathion applied: 12 June. Dimethoate and fungicide applied:
2 July, 16 July. Fungicide applied: 21 Aug. Lifted: 1 Oct.
Variety: King Edward. Previous crops: Spring wheat 1967,
fallow 1968.

Standard error per plot.

Total tubers, tons: 1.270 or 6.3% (18 d.f.)

SUMMARY OF RESULTS

	TOTAL TUBERS, TONS	% WARE
	(± 0.733)	
F2 DE	20.28	81.8
F ¹ / ₄ DE	24.37	86.0
F2 DES	20.94	83.2
F ¹ / ₄ DES	21.21	88.3
F2 S	20.34	82.7
F ¹ / ₄ S	17.42	85.3
D2	14.89	80.8
D4	16.59	81.1
D2F2 S	22.14	85.9
D4F2 S	23.14	86.6
Mean	20.13	84.2