

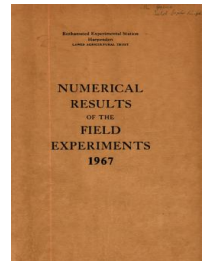
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1967

[Full Table of Content](#)



67/W/WEAH/C/8 Soil Structure 2 Woburn - Early Carrots

Rothamsted Research

Rothamsted Research (1968) *67/W/WEAH/C/8 Soil Structure 2 Woburn - Early Carrots* ; Yields Of The Field Experiments 1967, pp 145 - 146 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/c/8.1

SOIL STRUCTURE 2

(WEAH)

Effects of peat (annual applications) and subsoiling (1963 only)
Woburn Stackyard Field, plot 6 of the Continuous Barley Site,
carrots 1967, the fifth year.

Design: 4 randomised blocks of 5 plots with treatments to blocks.

Area of each plot: 0.0016. Area harvested: 0.0010.

Treatments: All combinations of:-

- Blocks: 1. Date of preparation of seedbed: Blocks 1 and 2 seedbed worked down Jan 30, 1967 (J). Blocks 3 and 4 seedbed worked down Mar 20, 1967 (M).
- Whole plots: 2. Peat: None (0), 62.5 cwt peat dry matter applied to top 2 inches of soil in 1965 only (Sb 65). Cumulative dressings 1963 - 67, 62.5 cwt peat dry matter applied annually to top 2 inches of soil alone (Sb), in addition with peat dug in annually to a depth of 8 inches either at the same rate (Dg1), or at twice the rate (Dg2).

Basal applications: Monoammonium dihydrogen phosphate, potassium nitrate and magnesium sulphate to supply 100 lb N, 75 lb P, 200 lb K and 50 lb Mg. All fertilisers applied to the seedbed before drilling. Weedkiller: Linuron at 0.75 lb in 100 gals. Insecticide: Dimethoate at 0.2 lb in 40 gals, on three occasions.

Cultivations, etc.: Ground chalk applied at 20 cwt, peat applied and all plots dug: Dec 15, 1966. Seedbed fertiliser applied, seed drilled at 6 lb: Mar 20, 1967. Weedkiller applied: Mar 21. Insecticide applied: June 9, June 23, July 10. Lifted: July 24. Variety: Chantenay Red cored, Monarch strain.

- NOTES: (1) Crop samples were taken for estimation of dry matter and PK analysis.
- (2) For previous years' results see 'Results' 64/C/20, 65/C/19 and 66/C/11.

Standard error per whole plot.

Marketable roots: 0.719 or 5.9% (8 d.f.)

67/c/8.2

SUMMARY OF RESULTS

	O	Sb65	Sb	Dg1	Dg2	Mean
MARKETABLE ROOTS						
(± 0.509)*						
J	11.92	12.71	12.56	12.37	12.76	12.46
M	11.87	11.48	11.62	12.25	11.89	11.82
Mean (± 0.360)	11.89	12.10	12.09	12.31	12.33	12.14
TOPS FROM MARKETABLE ROOTS						
J	0.63	0.67	0.78	0.00	0.86	0.59
M	0.51	0.32	0.87	0.43	0.62	0.55
Mean	0.57	0.49	0.82	0.21	0.74	0.57
TOTAL PRODUCE						
J	28.75	29.10	29.03	28.45	28.87	28.84
M	28.59	27.93	28.41	29.05	28.39	28.47
Mean	28.67	28.51	28.72	28.75	28.63	28.66

* For use in horizontal and interaction comparisons only