

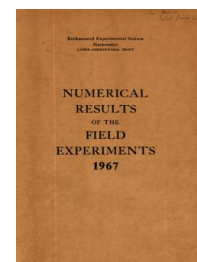
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67/W/WEAH/C/8 Soil Structure 2 Woburn - Early Carrots

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