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Numerical Results of the Field Experiments 1968

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68/B/4 Woburn Market Garden - Beans

Rothamsted Research

Rothamsted Research (1970) *68/B/4 Woburn Market Garden - Beans* ; Numerical Results Of The Field Experiments 1968, pp 95 - 98 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/B/4.1

WOBURN MARKET GARDEN

(WMG)

Residues of organic manures, P and K on spring beans -
Lansome I 1968.

For history (treatments) etc. see 'Details 1967' and 'Results'
63/B/5, 64/B/5, 65/B/5, 66/B/5 and 67/B/5.

Area of each plot: 0.0109. Area harvested: 0.0041.

Treatment symbols: (No manures applied 1968).

Farmyard manure: 10 (D1), 20 (D2) tons.

Sewage sludge: 10 (S1), 20 (S2) tons.

Sewage sludge/
straw compost: 10 (T1), 20 (T2) tons.

Vegetable compost: 10 (C1), 20 (C2) tons.

Peat: 12.5 (PT) tons.

PK fertiliser: None (P0K0), 1.5 cwt P205, 1.5 cwt K20 until
1967 (P1K1). 1.5 cwt P205, 3.0 cwt K20 until
1964 on Series B and 1965 on Series A, then
3.0 cwt P205, 3.0 cwt K20 on both until 1967
(P2K2).

Basal applications: Manures: None. Weedkiller: Simazine at 0.75 lb
in 33 gals. Insecticide: Demeton-s-methyl at 3.5 oz in 37 gals.

Cultivations, etc.: Ploughed: 25 Nov, 1967. Seed drilled at 200 lb:
28 Feb, 1968. Weedkiller applied: 1 Mar. Insecticide applied:
17 June. Series B combine harvested: 20 Sept, Series A: 23 Sept.
Variety: Tarvin.

68/B/4.2

SUMMARY OF RESULTS

GRAIN

SERIES A

| Organic 1942-61* 1963-67 | | POKO | PK1 | P2K2 | Mean |
|-----------------------------|----|------|--------|------|------|
| 0 | 0 | | 35.1 | 32.2 | 33.6 |
| S1 | 0 | | 34.3** | | |
| S2 | 0 | | 35.7** | | |
| T1 | 0 | | 35.2** | | |
| T2 | 0 | | 35.1** | | |
| D1 | D1 | 34.0 | 32.5 | | 33.3 |
| D2 | D2 | 34.9 | 32.6 | | 33.7 |
| C1 | D1 | 33.2 | 36.0 | | 34.6 |
| C2 | D2 | 32.1 | 35.5 | | 33.8 |

General mean: 34.3

Mean D.M. %: 74.9

* Last applied to leeks 1961/62

** PK1 until 1965

68/B/4.3

GRAIN

SERIES B

| Organic | | | POKO | P1K1 | P2K2 | Mean |
|---------|---------|---------|-------|------|------|------|
| 1942-62 | 1963-64 | 1966-67 | | | | |
| O | O | O | | 29.0 | 30.8 | 29.9 |
| O | O | PT | | 30.1 | 29.1 | 29.6 |
| S1 | O | O | 31.7* | | | |
| S2 | O | O | 32.3* | | | |
| T1 | O | O | 32.3* | | | |
| T2 | O | O | 33.2* | | | |
| D1 | D1 | D1 | 28.9 | 31.0 | | |
| D1 | D1 | O | 34.2 | 30.6 | | |
| D2 | D2 | D2 | 30.7 | 30.6 | | |
| D2 | D2 | O | 29.8 | 28.3 | | |
| C1 | D1 | D1 | 29.9 | 31.6 | | |
| C2 | D2 | D2 | 27.5 | 29.2 | | |

General mean: 30.9

Mean D.M. %: 69.7

* P1K1 until 1964

Table with 5 columns and 2 rows. The text is extremely faint and illegible.

| Column 1 | Column 2 | Column 3 | Column 4 | Column 5 |
|----------|----------|----------|----------|----------|
| Row 1 | Row 1 | Row 1 | Row 1 | Row 1 |