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## Yields of the Field Experiments 1966

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### 66/W/C/11 Soil Structure 2 Woburn - Early Potatoes and Red Beet

#### Rothamsted Research

Rothamsted Research (1967) *66/W/C/11 Soil Structure 2 Woburn - Early Potatoes and Red Beet* ; Yields Of The Field Experiments 1966, pp 159 - 162 - DOI:

<https://doi.org/10.23637/ERADOC-1-158>

66/c/11.3

SUMMARY OF RESULTS

EARLY POTATOES

TOTAL TUBERS

|                      | O    | Sb65  | Sb               | Dg1   | Dg2   | Mean            |
|----------------------|------|-------|------------------|-------|-------|-----------------|
| Mean ( $\pm 0.405$ ) | 8.76 | 9.51  | 10.20            | 9.99  | 10.55 | 9.80            |
|                      |      |       | ( $\pm 0.573$ )* |       |       |                 |
| O                    | 7.98 | 8.45  | 9.62             | 9.07  | 10.32 | 9.09            |
| S                    | 9.53 | 10.56 | 10.78            | 10.90 | 10.78 | 10.51           |
|                      |      |       | (1) and (2)      |       |       | ( $\pm 0.140$ ) |
| O                    | 8.69 | 9.11  | 9.88             | 9.89  | 11.07 | 9.73            |
| P                    | 8.82 | 9.90  | 10.52            | 10.08 | 10.03 | 9.87            |

|   | O     | P     | Mean             |
|---|-------|-------|------------------|
|   |       |       | ( $\pm 0.198$ )* |
| O | 9.14  | 9.03  | 9.09             |
| S | 10.32 | 10.71 | 10.51            |

\*For use in horizontal and interaction comparisons

- (1) ( $\pm 0.461$ ) For use in horizontal and diagonal comparisons
- (2) ( $\pm 0.313$ ) For use in vertical and interaction comparisons

66/C/11.4

RED BEET

|                      | O     | Sb65  | Sb    | Dg1   | Dg2   | Mean  |
|----------------------|-------|-------|-------|-------|-------|-------|
| ROOTS                |       |       |       |       |       |       |
| ( $\pm 0.169$ )*     |       |       |       |       |       |       |
| O                    | 4.72  | 5.20  | 4.72  | 5.30  | 5.35  | 5.06  |
| S                    | 4.72  | 4.72  | 4.91  | 5.49  | 5.40  | 5.05  |
| Mean ( $\pm 0.120$ ) | 4.72  | 4.96  | 4.81  | 5.40  | 5.37  | 5.05  |
| TOPS                 |       |       |       |       |       |       |
| ( $\pm 0.343$ )*     |       |       |       |       |       |       |
| O                    | 9.19  | 9.63  | 9.14  | 11.23 | 10.36 | 9.91  |
| S                    | 9.82  | 9.58  | 9.77  | 10.89 | 11.67 | 10.35 |
| Mean ( $\pm 0.242$ ) | 9.50  | 9.60  | 9.46  | 11.06 | 11.01 | 10.13 |
| ROOTS AND TOPS       |       |       |       |       |       |       |
| ( $\pm 0.494$ )*     |       |       |       |       |       |       |
| O                    | 13.90 | 14.83 | 13.86 | 16.53 | 15.70 | 14.96 |
| S                    | 14.54 | 14.29 | 14.68 | 16.38 | 17.06 | 15.39 |
| Mean ( $\pm 0.349$ ) | 14.22 | 14.56 | 14.27 | 16.46 | 16.38 | 15.18 |

\*For use in horizontal and interaction comparisons.

66/C/12.1

GRASS

The effects of oxamide on the growth and N uptake of sown ryegrass.  
Highfield O and E I, 1966, the second year.

Design: 4 randomised blocks of 10 plots.

Area of each plot: 0.0009. Area harvested: 0.0006.

Treatments (applied in 1965): None (0) (2 plots per block) and  
all combinations of:-

1. N fertiliser:

|                                  |     |
|----------------------------------|-----|
| Oxamide powder                   | (P) |
| Oxamide, small granules (2-4 mm) | (S) |
| Oxamide, large granules (7-9 mm) | (L) |
| Ammonium nitrate                 | (A) |

2. Levels of N: 100 lb (N1), 200 lb (N2) N.

Basal application: 4 cwt (0:14:28).

Cultivations, etc.: Basal PK applied: Mar 1, 1966. Cut twice:  
May 6 and June 13.

NOTES: (1) % N in grass was determined.

(2) For the previous year's results see 'Results' 65/C/21.

Standard errors per plot. Dry matter:

|                  |                         |
|------------------|-------------------------|
| 1st cut:         | 1.81 or 20.6% (27 d.f.) |
| 2nd cut:         | 0.64 or 7.7% (27 d.f.)  |
| Total of 2 cuts: | 2.19 or 12.8% (27 d.f.) |

66/c/12.2

SUMMARY OF RESULTS

DRY MATTER

|                 | O    | P    | S    | L    | A    | Mean  |
|-----------------|------|------|------|------|------|-------|
| 1ST CUT         |      |      |      |      |      |       |
| (±0.90)         |      |      |      |      |      |       |
| N1              |      | 6.7  | 8.5  | 9.1  | 6.8  | 7.8   |
| N2              |      | 8.8  | 12.6 | 15.9 | 8.1  | 11.4  |
| Mean (±0.64)    | 5.5  | 7.7  | 10.6 | 12.5 | 7.5  | 8.8*  |
| 2ND CUT         |      |      |      |      |      |       |
| (±0.32)         |      |      |      |      |      |       |
| N1              |      | 7.9  | 8.6  | 9.3  | 7.5  | 8.3   |
| N2              |      | 8.5  | 7.7  | 9.7  | 8.6  | 8.6   |
| Mean (±0.23)    | 7.4  | 8.2  | 8.2  | 9.5  | 8.1  | 8.3*  |
| TOTAL OF 2 CUTS |      |      |      |      |      |       |
| (±1.09)         |      |      |      |      |      |       |
| N1              |      | 14.6 | 17.1 | 18.5 | 14.3 | 16.1  |
| N2              |      | 17.2 | 20.3 | 25.6 | 16.7 | 20.0  |
| Mean (±0.77)    | 12.9 | 15.9 | 18.7 | 22.0 | 15.5 | 17.0* |

\* General mean

Mean D.M. %: 1st cut: 22.5  
 2nd cut: 23.4  
 Total of 2 cuts: 23.0