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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

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66/c/11.3

SUMMARY OF RESULTS

EARLY POTATOES

TOTAL TUBERS

	O	Sb65	Sb	Dg1	Dg2	Mean
Mean (± 0.405)	8.76	9.51	10.20	9.99	10.55	9.80
			(± 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)			(± 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
			(± 0.198)*
O	9.14	9.03	9.09
S	10.32	10.71	10.51

*For use in horizontal and interaction comparisons

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

66/C/11.4

RED BEET

	O	Sb65	Sb	Dg1	Dg2	Mean
ROOTS						
(± 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 (± 0.120)	4.72	4.96	4.81	5.40	5.37	5.05
TOPS						
(± 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 (± 0.242)	9.50	9.60	9.46	11.06	11.01	10.13
ROOTS AND TOPS						
(± 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 (± 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)					(±0.45)
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)					(±0.16)
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)					(±0.55)
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