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# Yields of the Field Experiments 1965

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## 65/R/AG/A/4 Agdell - Grass

### Rothamsted Research

Rothamsted Research (1966) *65/R/AG/A/4 Agdell - Grass* ; Yields Of The Field Experiments 1965, pp 19 - 22 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/A/4.1

GRASS - AGDELL 1965

For history, treatments etc., see 'Details' 1962 and 'Results' 64/A/4.1.

Grass and fallow areas:-

Residual effects of old P and K treatments and of those applied in 1964 were tested. No manures were applied except a basal dressing to grass of 0.8 cwt N as 'Nitro-Chalk' for each cut.

Area of each microplot: 0.0180. Area harvested: 0.0023.

Cultivations, etc.:-

Grass: 'Nitro-Chalk' applied: Apr 1, 1965. Cut 3 times for silage: May 19, July 26, Oct 6. 'Nitro-Chalk' applied after first 2 cuts.

Fallow: Ploughed: Oct 19, 1964. Rotary cultivated: June 30, 1965. Chisel ploughed: Aug 6.

SUMMARY OF RESULTS

DRY MATTER

Plot

P	K	5	6	3	4	1	2	Mean
1ST CUT								
0	4	14.3	4.4	34.5	23.3	40.3	34.0	25.1
1	4	33.1	36.6	40.4	28.1	41.0	36.3	35.9
2	4	34.8	41.5	37.0	30.4	42.9	36.3	37.1
4	4	35.3	39.3	40.1	30.9	44.3	39.5	38.2
4	0	36.7	36.2	35.2	34.4	37.4	36.5	36.1
4	1	36.2	35.6	39.9	37.8	33.6	36.9	36.7
4	2	33.0	39.0	36.3	34.2	37.7	36.6	36.1
4	4	34.7	33.7	34.8	37.0	39.7	43.4	37.2
Mean		32.3	33.3	37.3	32.0	39.6	37.4	35.3

Mean D.M. %: 14.1

65/A/4.2

DRY MATTER

Plot

P	K	5	6	3	4	1	2	Mean
2ND CUT								
0	4	54.2	39.1	29.2	36.3	41.1	31.0	38.5
1	4	37.4	33.5	33.6	28.0	44.9	39.7	36.2
2	4	31.7	30.7	35.8	28.0	38.8	35.8	33.5
4	4	38.1	35.4	35.0	31.6	44.2	31.6	36.0
4	0	34.5	31.2	26.4	30.9	38.7	28.6	31.7
4	1	34.3	30.3	37.2	28.7	41.2	37.8	34.9
4	2	28.3	24.8	35.6	32.7	32.3	30.2	30.7
4	4	33.1	33.2	40.6	28.8	36.8	33.2	34.3
Mean		36.5	32.3	34.2	30.6	39.7	33.5	34.5

3RD CUT

0	4	14.6	13.1	22.1	24.5	27.1	27.1	21.4
1	4	22.7	28.5	29.9	24.5	27.8	22.9	26.1
2	4	28.9	25.6	23.1	26.9	27.2	25.6	26.2
4	4	26.1	27.3	27.1	26.1	28.5	26.4	26.9
4	0	17.6	23.0	25.0	23.6	21.0	22.2	22.1
4	1	25.2	26.2	27.6	29.1	22.3	23.4	25.6
4	2	26.0	26.5	28.4	28.3	26.6	27.1	27.1
4	4	25.4	26.0	27.5	27.6	30.2	27.4	27.4
Mean		23.3	24.5	26.4	26.3	26.3	25.2	25.4

Mean D.M. %: 2nd cut: 19.2  
3rd cut: 21.0

65/A/4.3

DRY MATTER

Plot

P	K	5	6	3	4	1	2	Mean
TOTAL OF 3 CUTS								
0	4	83.1	56.6	85.8	84.1	108.5	92.1	85.0
1	4	93.2	98.6	103.9	80.6	113.7	98.9	98.2
2	4	95.4	97.8	95.9	85.3	108.9	97.7	96.8
4	4	99.5	102.0	102.2	88.6	117.0	97.5	101.1
4	0	88.8	90.4	86.6	88.9	97.1	87.3	89.8
4	1	95.7	92.1	104.7	95.6	97.1	98.1	97.2
4	2	87.3	90.3	100.3	95.2	96.6	93.9	93.9
4	4	93.2	92.9	102.9	93.4	106.7	104.0	98.9
Mean		92.0	90.1	97.8	89.0	105.7	96.2	95.1

Mean D.M. %: 18.1

TABLE 1

SUMMARY OF DATA

Year	1	2	3	4	5	6	7	8
1950	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1951	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1952	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1953	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1954	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1955	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1956	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1957	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1958	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1959	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1960	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00