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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

