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Yields of the Field Experiments 1964

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64/R/AG/A/4 Agdell - Grass

Rothamsted Research

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64/A/4.1

GRASS - AGDELL 1964

For history, treatments etc., see 'Details' 1962.

The Cocksfoot leys sown in 1960 were ploughed out and resown with Timothy S51.

The areas in grass and fallow are now each divided into 8 sub plots, which receive PK treatments:-

P205: 0 (P0), 4.0 (P1), 8.0 (P2), 16.0 (P4) cwt with basal K

K20: 0 (K0), 2.5 (K1), 5.0 (K2), 10.0 (K4) cwt with basal P

All P205 as triple superphosphate, all K20 as muriate of potash.

Basal dressings: To P plots: as treatment K4.

To K plots: as treatment P4.

The grass areas also received 0.8 cwt N as 'Nitro-Chalk' in seedbed.

Area of each microplot: 0.0180. Area harvested: 0.0084.

Cultivations, etc.: Ploughed: Nov 27 - Dec 2, 1963. PK fertilisers applied: Mar 11, 1964.

Grass: Old grass. Sprayed with dalapon at 11 lb a.e. in 40 gals: Oct 17, 1963. Seed sown at 30 lb, seedbed 'Nitro-Chalk'

applied: May 8, 1964. Sprayed with 2,4-D butoxyethylester at 0.44 lb a.e. in 40 gals: June 10. Cut for silage: Aug 20.

Fallow: Rotary cultivated: July 27, 1964.

64/A/4.2

SUMMARY OF RESULTS

1ST AND ONLY CUT: DRY MATTER

P K	Plot						Mean
	5	6	3	4	1	2	
0 4	0.0	0.0	0.9	2.0	7.0	3.5	2.2
1 4	6.3	7.8	8.6	8.0	13.2	12.2	9.3
2 4	6.0	6.1	9.1	10.5	15.9	15.3	10.5
4 4	8.6	8.2	11.5	10.4	18.7	18.9	12.7
4 0	3.0	3.2	4.0	6.6	8.8	8.8	5.7
4 1	7.1	8.3	7.4	11.9	16.7	16.6	11.3
4 2	5.4	11.7	13.3	15.3	16.3	16.4	13.1
4 4	7.5	10.0	7.2	14.7	16.2	19.6	12.5
Mean	5.5	6.9	7.7	9.9	14.1	13.9	9.7

Mean D.M. %: 32.1