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Yields of the Field Experiments 1958

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58/R/A/5 Park Grass - Hay

Rothamsted Research

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58/A/5

HAY - THE PARK GRASS PLOTS 1958

For history, treatments etc. see "Details of the Classical and Long Term Experiments" 1956.

Cultivations, etc.: Mineral fertilizers applied: Dec 23, 1957.

Nitrogenous fertilizers applied: 1st dressing - May 1, 1958;

2nd dressing - May 15. Cut twice: July 7 and Dec 22 - 30.

Note: The 2nd crop was cut under very unfavourable conditions and there was some soil contamination, particularly on plots 1L, 2U, 2L, 3U, 3L, 4-1U, 4-1L.

Summary of Results

Yield of hay: cwt per acre

Plot	Not limed			Limed		
	1st crop	2nd crop	Total	1st crop	2nd crop	Total
1	14.0	22.1	36.1	19.8	28.5	48.3
2	13.7	24.1	37.8	16.3	31.0	47.3
3	11.2	19.8	31.0	15.9	19.8	35.7
4-1	20.2	23.4	43.6	19.4	25.9	45.3
4-2	24.5	20.1	44.6	28.3	20.8	49.1
5-1	10.9	18.6	29.5			
5-2	22.5	21.8	44.3			
6	28.2	26.5	54.7			
7	28.3	25.0	53.3	38.3	20.1	58.4
8	22.0	25.2	47.2	18.8	19.6	38.4
9	35.8	25.1	60.9	45.0	26.2	71.2
10	30.6	22.0	52.6	33.8	20.4	54.2
11-1	36.8	40.5	77.3	43.6	38.5	82.1
11-2	39.8	45.5	85.3	50.5	42.1	92.6
12	14.5	19.9	34.4			
13	28.5	34.5	63.0	30.6	30.1	60.7
14	46.2	31.3	78.0	45.2	37.8	83.0
15	23.9	15.2	39.1	36.6	25.4	62.0
16	33.8	31.5	65.3	45.6	51.0	96.6
17	23.7	25.2	48.9	25.8	33.6	59.4*
18	24.4	31.2	55.6	30.8*	17.6*	48.4*
				34.5 ⁺	22.1 ⁺	56.6 ⁺
19	30.1	32.9	63.0	33.9*	33.5*	67.4*
				31.4 ⁺	37.9 ⁺	69.3 ⁺
20	39.0	33.8	72.8	43.1*	32.1*	75.2*
				33.4 ⁺	36.2 ⁺	69.6 ⁺

* Heavy liming. ⁺Light liming.

Note: The second crop was carted green; hay yields were estimated from the dry matter.

Mean dry matter % as weighed: 1st crop 87.8; 2nd crop 18.6