(5) W. MCMILLAN (WINDMILL PADDOCK), HERBERT.

This pasture had been sown down in 1925 with rye-grass, crested dogstail, and red and white clover. Although naturally decreasing in rye-grass content, it is still well covered with this grass. The pasture, therefore, when top-dressed was in good condition. The plot is situated on low country adjacent to the coast. Top-dressing took place on 24th August, 1927; the plot was closed 1st October, and harvested 9th January, 1928. Table 5 gives results.

Table 5.

Number of Paired Plots.	Manure.	Mean Green Weight of Plot.	Significant (S) or Non-significant (N).	Estimated Weight of Hay per Acre.	Value of Hay per Acre.	Cost of Manure per Acre.	Profit or Loss compared with Unmanured Plot.
		lb.		T. cwt. qr.	£ s. d.	£ s. d.	£ s. d.
30	Basic slag ..	24·9	S	1 1 3	5 8 9	0 15 0	0 3 9 (loss)
30	Basic slag and lime	28·8	S	1 5 1	6 6 3	1 8 0	0 0 9 (gain)
30	Superphosphate ..	28·6	S	1 5 0	6 5 0	1 1 0	0 6 6 (gain)
30	Super and lime ..	29·4	S	1 5 3	6 8 9	1 14 0	0 2 9 (loss)
40	Lime	26·8	S	1 3 2	5 17 6	0 13 0	0 7 0 (gain)
..	Control.. ..	22·4	..	0 19 2	4 17 6	..	..

Summary: A general increase of clover from all treatments was noted on this plot, a combination of superphosphate with lime giving the heaviest yield. Lime alone gave quite a significant increase over the unlimed plots, and in this respect it is to be noted that the pasture is comparatively young. The results from this plot should afford some interesting points next season.

(6) W. MCMILLAN, HERBERT.

This pasture had been sown down in the autumn of 1921 with oats, the grasses used being rye, dogstail, and red and white clover; no manure was used. The pasture had deteriorated considerably, a fair proportion of Yorkshire fog and brown-top taking charge. The plot was top-dressed on 24th August, 1927, closed 1st October, and harvested 10th January, 1928. Results were as under:—

Table 6.

Number of Paired Plots.	Manure.	Mean Green Weight of Plot.	Significant (S) or Non-significant (N).	Estimated Weight of Hay per Acre.	Value of Hay per Acre.	Cost of Manure per Acre.	Profit or Loss compared with Unmanured Plot.
		lb.		T. cwt. qr.	£ s. d.	£ s. d.	£ s d.
30	Basic slag ..	14·1	S	0 11 0	2 15 0	0 15 0	0 17 6 (loss)
30	Basic slag and lime	15·5	S	0 12 0	3 0 0	1 8 0	1 5 6 (loss)
30	Superphosphate ..	16·0	S	0 12 2	3 2 6	1 1 0	0 16 0 (loss)
30	Super and lime ..	16·5	S	0 13 0	3 5 0	1 14 0	1 6 6 (loss)
40	Lime	15·7	S	0 12 1	3 1 3	0 13 0	0 9 3 (loss)
..	Control.. ..	14·5	..	0 11 2	2 17 6	..	..