Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.



Yields of the Field Experiments 1949



Full Table of Content

49/A/7 Woburn - Permanent Wheat

49/A/7 Woburn - Permanent Wheat, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 12 - 13

49/A/7.1

WHEAT - WOBURN STACKYARD 1949

This field was under wheat from 1877-1926 and results and treatments for this period are given in the 1928 Station Report pp 103-105. From 1927-1940 no manures were applied, wheat being grown each year except 1927 and 28, 1934 and 35, when the field was fallowed. In 1941 and 42 a top dressing of 2 cwt sulphate of ammonia per acre was applied.

For the crop of 1943 a new scheme was started. The plots were divided into sets of three according to their previous manurial treatments (omitting plots 2, 5 and 8 which were so acid as to give negligible crops). The field was fallowed in 1947 and '48.

Tho sets were:

No minerals plots 1, 3, 7.

Minerals " 4, 6, 9.

Dung " lib divided into three subsections 10a, 10b, 11a.

In each set of three plots one receives nitrochalk at 2 cwt per acre, another at 4 cwt, and the third at 6 cwt. On every plot the dressings rotate in cyclical order and the field is cropped yearly with wheat.

Cultivations etc.: Ploughed: Oct 6 and Nov 12. Harrowed, seed sown and harrowed again: Nov 15. Nitrochalk applied: Apr 29. Wild oats pulled: July 11-21. Harvested: Aug 10, Variety: Squareheads Master 13/4.

			49/4/7.2	
Plot	Treatment 1877-1926	Nitrochalk Dressing: cwt per acre	Total grain: cwt per acre	Total straw: cwt per acre
3	Nitrate of Soda	2	8.0	15.1
1	Unmanured	4_	10.9	20.7
7	Unmanured	6	10.7	20,0
6	Minerals plus Nitrate of soda	2	11.1	21.2
9	Minerals, and, in alternate years nitrate of soda	4	14.4	28.3
4	Minerals	6	15.6	32.2
773 (0)	2			
11b (2)	Dung	2	12,6	25.9
11b (3)	Dung	4	16,0	33.6
11b (1)	Dung	6	18.7	30.2
lla	Sulphate of potash plus nitrate of soda	2	11.6	23.5
1 ^c a	Superphosphate plus nitrate of soda	4	10.9	23.2
14p	Rape cake	6	10.2	19.2