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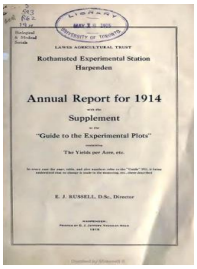
Annual Report for 1914 With the Supplements to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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Rothamsted Research

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EXPERIMENTS IN SOIL MANAGEMENT.—Contd.

CHALKING.

Barley (Plumage Cross). Great Knott Wood Field, 1913 and 1914.

	Dressed Grain.				Straw.		Total Produce.	
	Yield.		Weight per Bushel.					
	1913.	1914.	1913.	1914.	1913.	1914.	1913.	1914.
	Bushels	Bushels	lb.	lb.	cwt.	cwt.	lb.	lb.
Unchalked ...	59·4	30·3	54·5	53·8	24·1	17·6	5994	3990
Chalked ...	68·2	28·8	54·6	53·5	26·6	19·2	6760	4053

Both plots manured with ¾ cwt. Sulphate Ammonia and 2½ cwt. Superphosphate per acre in 1913, and in 1914 1 cwt. Sulphate Ammonia and 2 cwt. Superphosphate.

Oats (Grey Winter). Sawpit Field, 1914.

	Dressed Grain.		Straw per Acre.	Total Produce per Acre.
	Yield per Acre.	Weight per Bushel.		
After Fallow and Dredge Corn :	Bushels.	lb.	cwt.	lb.
20 loads Carted Chalk (1) ...	37·3	43·9	32·3	5351
50 loads Dug Chalk (2) ...	41·1	44·1	38·4	6159
Unchalked	44·6	44·1	35·7	6006

(1) From excavations for Harpenden Sewage Beds. (2) From Rothamsted Fields.

Potatoes (Dalhousie). Great Harpenden Field, 1914.

Dressings.	Tons per acre.				Mean.
Unchalked	8·9	8·7	9·8	9·6	9·3
Chalked (about 20 loads per Acre)	9·0	8·5	—	—	8·8

SUBSOILING.

Potatoes (King Edward VII). Great Harpenden Field, 1914.

	Ploughed & Subsoiled.		Ploughed only.	
	Tons.		Tons.	
Chalked (about 20 loads per acre)	7·2		6·7	
Unchalked	7·2	Mean 7·4	6·2	Mean 6·9
,, ...	8·0		7·0	
,, ...	7·2		7·7	
,, ...	7·1		6·7	

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