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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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### Meteorological Records 1914 ; Mangolds Barn Field 1914

#### Rothamsted Research

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### Meteorological Records, 1914.

(See "Guide," 1913, page 18, Table IX.)

	Rain.			Drainage through soil.			Bright Sunshine.	Temperature.		
	Total Fall.		No. of Rainy Days.	20 ins. deep.	40 ins. deep.	60 ins. deep.		Hours.	°F.	°F.
	5-inch Funnel Gauge.	$\frac{1}{1000}$ Acre Gauge.								
	Inches.	Inches.	No.	Inches.	Inches.	Inches.				
Jan. ...	0·840	0·883	15	0·677	0·648	0·653	43·8	41·7	31·9	
Feb. ...	3·273	3·452	17	2·936	2·919	2·908	76·8	50·0	36·0	
March ...	4·278	4·432	25	3·489	3·455	3·379	100·4	49·4	35·9	
April ...	1·089	1·151	8	0·393	0·471	0·464	231·4	59·2	37·6	
May ...	1·326	1·415	11	0·005	0·028	0·034	186·2	60·8	42·3	
June ...	1·595	1·716	9	0·224	0·264	0·260	249·1	67·9	47·7	
July ...	1·437	1·570	14	0·005	0·015	0·017	168·5	69·8	52·8	
August ...	1·464	1·591	13	0·083	0·084	0·062	174·1	70·5	52·1	
Sept. ...	1·164	1·298	9	—	—	—	201·7	66·2	45·2	
Oct. ...	2·319	2·533	12	1·056	0·989	0·968	82·7	57·7	43·5	
Nov. ...	2·767	3·099	24	2·394	2·224	2·227	70·1	50·8	37·5	
Dec. ...	7·514	8·107	25	8·141	7·934	7·667	42·1	45·8	35·4	
Total or Mean	29·066	31·247	182	19·403	19·031	18·639	1626·9	57·5	41·5	

For dates of sowing, etc., see page 32.

### Mangolds, Barn Field, 1914.

(See "Guide," 1913, page 13, Table VI.)

Strip.	Strip Manures.	Cross Dressings.				
		O.	N.	A.	A.C.	C.
		None.	Nitrate of Soda.	Ammonium Salts.	Rape Cake & Ammonium Salts.	Rape Cake.
		Tons.	Tons.	Tons.	Tons.	Tons.
1	Dung only ...	{ R. 9·82	{ 17·91	{ 12·92	{ 10·91	{ 12·51
		{ L. 2·76	{ 4·98	{ 4·70	{ 4·50	{ 4·71
2	Dung, Super., Potash	{ R. 8·79	{ 13·93	{ 14·81	{ 12·33	{ 14·55
		{ L. 2·66	{ 5·01	{ 4·82	{ 4·88	{ 4·84
4	Complete Minerals	{ R. 1·96	{ 8·90	{ 8·03	{ 14·04	{ 14·45
		{ L. 0·69	{ 3·45	{ 2·46	{ 4·82	{ 3·17
5	Superphosphate only	{ R. 2·01	{ 9·63	{ 2·61	{ 3·74	{ 4·06
		{ L. 0·71	{ 2·69	{ 1·89	{ 2·22	{ 2·07
6	Super. and Potash	{ R. 1·83	{ 7·62	{ 8·99	{ 12·77	{ 11·39
		{ L. 0·69	{ 2·90	{ 2·82	{ 4·79	{ 2·87
7	Super., Sulph., Mag. & Chloride Sodium	{ R. 2·64	{ 8·69	{ 9·20	{ 12·67	{ 13·66
		{ L. 0·85	{ 3·28	{ 2·77	{ 5·15	{ 3·48
8	None ...	{ R. 2·17	{ 3·74	{ 1·43	{ 2·87	{ 3·05
		{ L. 0·91	{ 2·39	{ 1·37	{ 2·68	{ 1·95

R = roots. L = leaves. Tons per acre in all cases.

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