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# Annual Report for 1909 With the Supplement to the Guide to the Experimental Plots Containing the Yields per Acre, Etc.



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## Meteorological Records 1909 ; Mangolds Barn Field 1909

### Rothamsted Research

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METEOROLOGICAL RECORDS, 1909.

(See "Guide," page 16, Table IX.)

	Rain.			Drainage through soil.			Bright Sunshine.	Temperature.	
	Total Fall.		No. of Rainy Days.	20 ins. deep.	40 ins. deep.	60 ins. deep.		Max.	Min.
	5-inch Funnel Gauge.	$\frac{1}{1000}$ th Acre Gauge.							
	Inches.	Inches.	No.	Inches.	Inches.	Inches.		Hours.	°F.
January ...	0.868	0.978	10	1.045	1.107	1.068	76.1	42.7	32.0
February ...	0.370	0.430	8	0.029	0.072	0.038	93.0	42.7	28.6
March ...	3.420	3.742	24	2.920	3.021	2.858	69.3	43.8	32.8
April ...	1.734	1.822	12	0.118	0.181	0.136	237.2	57.9	36.8
May ...	1.267	1.315	10	0.118	0.120	0.136	296.7	62.1	39.6
June ...	3.963	4.097	17	2.041	1.956	1.922	116.0	59.7	46.4
July ...	3.000	3.097	19	0.560	0.613	0.546	193.3	66.5	51.0
August ...	2.643	2.739	11	1.116	1.112	1.042	225.5	68.8	50.8
September ...	1.809	1.943	18	0.154	0.088	0.062	108.7	60.4	47.2
October ...	4.896	5.187	27	4.054	3.835	3.838	86.6	57.0	46.0
November ...	1.150	1.245	14	0.851	0.834	0.824	90.6	46.1	34.6
December ...	3.263	3.416	25	3.164	3.201	3.192	59.1	44.7	33.4
Total or Mean	28.383	30.011	195	16.170	16.140	15.662	1652.1	54.4	39.9

MANGOLDS, BARN FIELD, 1909.

(See "Guide," page 11, 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. 24.44	37.79	31.28	34.09	32.80
		L. 1.98	3.08	3.72	4.39	3.59
2	Dung, Super., Potash	R. 24.76	38.10	36.84	38.41	37.64
		L. 2.21	4.06	5.07	5.92	4.43
4	Complete Minerals	R. 5.72	22.38	19.70	37.66	28.66
		L. 0.86	26.26			
5	Superphosphate only	R. 4.89	19.78	5.59	9.32	12.37
		L. 0.81	2.04	1.89	2.07	1.89
6	Super. and Potash	R. 4.88	23.80	19.13	31.31	25.33
		L. 0.72	1.99	1.98	4.47	2.17
7	Super., Sulph. Mag. & Chloride Sodium	R. 5.50	26.76	20.56	34.04	27.42
		L. 0.80	2.63	1.92	4.18	2.88
8	None ...	R. 4.38	17.06	5.58	9.76	11.89
		L. 0.87	3.33	2.63	2.71	2.48