

RAINFALL AT Chelmsford County Horticultural School

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer

A. E. Burgess Esq
c. w. anything

Blackwater - 14

Diameter ..	5										
Height	1	o									
Altitude ..											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.63	.83	.66	1.51	1.99	1.16	3.37	1.29	.85	.86	1.515
February ..	3.45	.77	.88	.70	2.60	.78	2.16	.86	1.32	.92	1.444
March99	2.17	1.57	1.38	1.78	3.26	1.47	.80	2.04	3.16	1.862
April85	1.90	.69	1.70	.79	1.87	1.04	2.34	2.74	1.74	1.566
May87	.93	2.41	1.91	1.50	1.07	1.35	2.01	2.12	1.12	1.529
June	2.06	.71	2.84	5.77	.99	2.46	1.76	1.98	.98	3.60	2.310
July82	3.09	.99	5.92	1.70	.65	.96	1.96	2.84	3.30	2.223
August	1.97	2.43	2.58	4.07	2.26	1.82	.63	1.32	2.99	2.40	2.247
September..	1.01	1.26	.90	2.19	1.06	1.16	1.48	.50	1.48	2.70	1.374
October....	1.17	2.41	1.40	4.51	1.17	1.14	3.91	3.08	1.36	4.09	2.424
November ..	1.74	.82	1.01	2.19	1.36	2.43	4.02	2.23	1.10	1.25	1.815
December ..	2.33	2.75	1.33	1.23	1.78	.72	1.97	2.70	2.07	2.95	1.983
TOTALS ..	19.89	20.07	17.26	33.08	18.98	18.52	24.12	21.07	21.84	28092.292	532

1900 St. Mary's Church, 1 mile E

School Buildings ⁶⁰ ₁₅₀ yards N.W.1903 Chelmsford Station ¹⁵⁰ yards _{1/2} mile E

Hub

RAINFALL at Writtle

County of Essex

Observer R Woodhouse Esq

River Basin Blackwater 4

Rain Gauge, by 243

Diameter ...	8									
Height	20									
Altitude ...	100?									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	1.21	1.23	2.46	3.32	.93					
February ...	2.00	.98	1.34	.71	2.16					
March	1.11	1.78	2.58	1.67	3.79					
April	1.29	.98	.10	2.28	.92					
May	3.40	1.38	.81	1.75	1.52					
June	1.88	1.86	2.78	.68	1.88					
July	1.74	.23	1.35	1.81	1.84					
August	2.20	.65	3.75	.12	.85					
September ..	.80	1.22	2.23	1.81	.96					
October ...	1.56	3.37	2.00	3.17	1.11					
November ...	2.32	3.26	1.84	3.41	3.28					
December ...	3.35	3.93	2.53	.55	5.73					
TOTALS ...	24.19	20.87	23.77	21.28	24.97					

Oak tree 36 ft high 30 gads 46

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Chelmsford	3 m		Writtle	3/4 mile	W

RAINFALL at Chelmsford County Secondary School

County of Essex

Observer C W Aylett Esq

River Basin Blackwater

Rain Gauge, by

Diameter ...	5									MEANS.
Height	1.0									
Altitude									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
January ...	1.33	1.10								
February ...	2.20	.98								
March96	1.87								
April	1.38	.91								
May	3.10	1.02								
June	1.85	1.99								
July	1.74	.36								
August	2.70	.55								
September ..	.92	1.36								
October ...	1.60	3.09								
November ..	3.26	3.43								
December ...	3.29	3.99								
TOTALS ...	24.43	20.65								

1910 Sch Building 60 ft high 150 yds N.E.

? same as County Laboratories, next sheet

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Chelmsford E.R.	1/2 mile	E	St Mary's	1 mile	E

RAINFALL at

Chelmsford County Laboratories

County of

Essex

Observer

R. M. Wilson Esq.

River Basin

Blackwater +

Rain Gauge, by Cadella

Diameter ...						5				
Height						10				
Altitude ...						140				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...						3.12	1.96	.92	3.04	2.79
February ...						2.73	3.55	.61	.72	2.78
March						1.33	3.32	1.37	.88	2.42
April82	.71	1.15	1.10	3.04
May						1.20	2.22	1.53	2.72	1.47
June.....						1.70	.78	2.49	.84	.76
July						2.22	4.03	.91	4.01	4.92
August.....						.81	2.86	3.71	3.05	1.50
September ..						.91	2.14	1.03	.92	3.58
October ...						1.22	1.59	2.72	3.67	1.66
November ..						2.79	2.87	4.69	1.36	2.09
December...						6.15	4.99	2.83	.90	1.91
TOTALS ...						29.37	29.89	21.47	25.57	24.37

1914 Ground for Spargula April
Greenhouse 10 ft high 36 ft N.E.

? same as County Horticultural School site

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
51°44'	0°27'		Chelmsford	1/2 m	E	S. Peters St. Marys	70 pds 3/4 m	S E

RAINFALL at Chelmsford, County Laboratories

County of Essex.

Observer R. M. Wilson Esq.

River Basin Blackwater &c.

Principals
H. M. Mc Creath Esq., 1925.
Principal

1920. Snowdon Rain Gauge, by Pluviometer.

D. B. Johnston Wallace M.Sc.

East Anglian Institute of Agriculture.

Diameter ...	5										
Height	1	0									
Altitude ...	140	134		134		140					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	2.44	1.85	3.03	1.27	2.65	1.45	2.34	1.61	3.26	1.39	1.81
February ...	1.31	1.17	2.15	2.97	1.74	2.26	2.62	3.42	1.25	4.45	1.56
March	1.10	1.20	1.39	1.51	1.70	1.08	1.19	1.97	2.14	1.06	1.24
April.....	3.53	1.53	2.58	1.67	3.16	1.21	4.55	1.47	1.81	1.79	2.05
May	2.36	1.98	1.98	1.38	4.50	2.14	1.05	1.95	1.85	1.78	2.05
June	1.97	1.13	1.81	1.74	1.37	1.38	2.84	3.04	2.32	1.58	1.53
July	3.30	1.28	3.10	1.46	3.43	4.20	2.19	2.18	1.74	1.70	2.72
August	1.90	1.31	2.11	2.01	2.26	2.93	1.90	3.96	2.72	1.44	2.00
September...	3.65	2.85	2.62	1.84	2.39	2.26	1.91	4.17	1.75	1.73	3.59
October.....	1.74	1.01	1.20	4.72	3.59	2.67	2.61	1.93	3.34	3.47	1.06
November...	1.43	1.66	1.30	2.42	3.34	1.60	4.30	2.32	2.19	4.52	3.69
December... <td>2.05</td> <td>1.24</td> <td>2.37</td> <td>1.96</td> <td>2.96</td> <td>2.14</td> <td>1.43</td> <td>2.53</td> <td>2.90</td> <td>4.26</td> <td>2.37</td>	2.05	1.24	2.37	1.96	2.96	2.14	1.43	2.53	2.90	4.26	2.37
TOTALS...	22.78	14.21	24.64	23.95	31.12	24.32	22.93	29.55	25.21	22.17	23.67

1920. Sea level 10 f. R.R. 36 f. N.E.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series			No. of Map	Reference No.	
Date.	Lat. N.	Long. E.		Distance	Direction
1920.	51° 44' 0.27"	Chelmsford	5 mi	E	St. Peter St. Mary

RAINFALL at Chelmsford (County Laboratory) M.W.R.

County of Essex

Gardens
The Principal
Observer East Anglian Inst. Agric.

River Basin Blackwater

Essex Education Committee

Type of Gauge

Annual Average 22.2 in. based on 9 years obs. unweighted. Period of average 1881/1915. Ref A: Working Sheet

Diameter	5.											
Height	1.0							1	3	1.0		
Altitude	134											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.94	1.15	1.20	1.36	1.69	4.13	3.77	2.24	5.06	1.69		
February	1.76	2.23	1.14	1.19	2.13	1.64	3.83	.47	.87	2.01		
March	.25	1.10	1.64	2.09	.76	.81	2.48	.37	1.56	2.97		
April	3.26	1.96	.76	2.06	2.66	1.29	2.77	.28	3.45	1.35		
May	2.67	3.69	1.42	.51	1.18	.78	2.54	1.72	1.85	1.57		
June	1.25	.59	1.09	1.35	3.49	3.79	2.81	.29	1.38	.56		
July	3.17	2.16	.93	1.85	1.10	3.48	1.73	1.00	3.53	3.48		
August	3.78	1.09	.37	1.46	1.79	.55	.71	1.15	2.67	(0.2)		
September	1.72	1.81	1.89	.93	3.16	1.87	1.28	3.48	.91	(1.23)		
October	.61	4.90	1.53	1.41	2.70	1.09	1.21	2.55	(6.50)	(2.32)		
November	1.74	1.12	1.19	1.65	4.29	3.06	1.93	2.95	4.01	(5.67)		
December	.63	.33	.55	3.96	2.08	1.79	3.68	2.43	1.00	(1.13)		
TOTALS	22.68	20.13	13.71	18.84	27.03	24.28	18.24	18.93	(32.79)	(24.00)		
	D	D	D	D	D	D	D	D	D	D		

Inspected 17/6/35. rim of q. found to be 10 1/2" above ground. Raised to 12" ^{6/6/37/25} 1936. Gauge moved to position SW. of screen as recommended. R.H. the same. (date of 29/5/36). Resolution set up at 2' width.

Total of 24 miles from two selected. Monthly values Aug-Sec computed from observation No. 1287. H.P.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No....
1 mile to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction

Station No. 1287/9

RAINFALL at Writtle (Inst. of Agric.) M.W.R. 41

County of Essex

Observer

The Executive Officer

River Basin Blackwater 4

Essex Inst. of Agriculture (1950)

Type of Gauge M.O.

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

File No.

Diameter	5"		232	671							
Height	1' 0"										
Altitude	105'				110'						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.86	2.07	4.97	1.54	1.29	1.13	1.61	3.52	1.05	1.40	
February	2.17	1.08	1.06	.87	1.58	2.39	1.26	1.41	.99	3.20	
March	2.82	1.90	.29	.15	.92	1.25	3.96	.85	.79	.54	
April	1.27	1.02	1.33	1.72	.92	1.62	1.40	1.49	1.10	1.84	
May	1.42	2.03	2.02	1.04	1.96	1.98	.79	2.08	1.66	1.50	
June	.49	.24	1.32	2.01	1.58	2.13	2.21	3.10	.49	1.31	
July	6.29	1.78	1.64	1.91	2.67	2.09	3.80	1.88	1.72	2.95	
August	4.01	2.17	1.22	2.22	1.63	3.30	.02	3.21	1.74	1.03	
September	.46	1.46	1.92	2.80	2.02	1.94	1.58	1.22	1.21	2.65	
October	1.25	3.45	1.75	3.36	1.92	1.15	.03	1.88	5.08	.24	
November	2.53	2.14	1.48	3.56	.64	2.73	.90	1.90	2.85	4.08	
December	1.46	2.48	1.43	1.61	2.96	1.97	2.44	1.30	1.27	1.64	
TOTALS	26.03	21.82	20.43	22.79	20.09	23.68	20.00	23.74	19.65	22.38	
	D	D	D	D	D	D	D	D	D	D	

1941. 2-Storey building 70 yds N.E. Inspected July 1944, new site selected
do. do. 40 yds E. and adopted 16.1.45

1948 Inspectd by H.C. Shallard, 23rd June 1948 can have no written recommendation that new gauge be retained (see note to file E.722/98)
Rain-gauge in poor condition. New gauge suggested 12/48

1948 New M.O. gauge (M.K. II) suggested 22/71

Position of Station on reduced Ordnance Survey Map,} No. of Map Reference No.
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1941	51° 44'	0° 26' E	Chelmsford	2 1/2 m	E.N.E.		

BRITISH RAINFALL ORGANIZATION

Station No. 1287/9

RAINFALL at Writtle (Essex) (M.W.R) 51
 County of Essex
 River Basin Blackwater - 4
 Type of Gauge M.O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....
 23.09 " " 12 " " 1945-1956 1946-1950 Ref. P
 File No.

Diameter ...	5"		232	671							
Height ...	1' 0"										
Altitude ...	105'		105'								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.96	2.01	.94	1.27	2.27	3.32	1.06	1.84	1.60	1.46	14.43
February	5.31	.81	1.13	2.21	1.73	.39	2.43	2.72	.02	1.68	18.43
March	3.09	2.58	.43	1.99	1.11	.74	1.30	.78	1.50	.97	14.49
April	2.40	.84	1.79	.27	.14	.98	.21	1.32	2.44	.27	10.66
May	2.48	.64	1.36	1.86	4.76	.59	1.08	2.16	.99	2.43	18.35
June	.70	1.86	1.93	3.10	2.01	1.31	1.54	4.40	.63	1.44	18.82
July	1.24	.62	2.72	1.94	.23	3.64	3.03	3.18	1.04	2.27	19.91
August	2.33	2.04	1.27	2.63	.61	3.57	1.71	3.17	.72	3.32	21.37
September	3.31	2.38	1.94	1.20	2.49	1.46	2.43	4.88	.03	4.83	24.95
October	.52	2.14	2.59	1.81	4.11	1.04	1.36	2.43	1.88	5.27	23.15
November	3.61	3.89	.89	3.40	.72	.43	2.37	1.24	2.33	3.34	22.22
December	1.65	1.94	1.22	1.35	1.23	2.12	1.73	2.60	3.73	2.32	20.89
TOTALS ...	28.60	22.75	19.11	23.03	21.41	19.59	20.25	30.72	16.91	29.60	230.97

1955 - July - Inspected - Satisfactory.
 In June 1957. G. Sonal. Gxp. Scd.

Imp. 16.6.59 M. G. Cope - Satisfactory.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 52/6.7.70.69

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950 P- accepted

Record D, or d	1910-19		1920-30		1931-40		1941-50		1951-60	
	1910	1919	1920	1930	1931	1940	1941	1950	1951	1960