

# RAINFALL AT *Chelmsford County Horticultural School*

Lat. .... Lon. .... County of *Essex*

Rain Gauge, by ..... Observer *A. E. Burgess Esq*  
*C. W. Anyington*

*Blackwater - 4*

Diameter ..	5										
Height ....	1	0									
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
March ....	.99	2.17	1.57	1.38	1.78	3.26	1.47	.80	2.04	3.16	1.862
April .....	.85	1.90	.69	1.70	.79	1.87	1.04	2.34	2.74	1.74	1.566
May .....	.87	.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	.93	3.60	2.310
July .....	.82	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	28.09	2.292

1900 *St. Mary's Church 1 mile E*  
*School Buildings 60 ft high 150 yds N.W.*  
1903 *Chelmsford Station 1/2 mile E*

*H.W.*

RAINFALL at WhittleCounty of EssexObserver R Woodhouse EsqRiver Basin Blackwater 4Rain Gauge, by N+3

Diameter ...	8										
Height .....	20										
Altitude ...	100?										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.21	1.23	2.46	3.32	.93						
February ...	2.30	.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 .....	1.20	.65	3.75	12	.85						
September ..	.83	1.22	2.23	1.81	.96						
October ...	1.56	3.37	2.00	3.17	1.11						
November ..	3.32	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 30 ft high 30 yards W

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Chelmsford	3.82		Whittle	3/4 mile	W

RAINFALL at Chelmsford County Agricultural SchoolCounty of EssexObserver C W Aylett EsqRiver Basin Polackwater 4

Rain Gauge, by \_\_\_\_\_

Diameter ...	5											
Height .....	10											
Altitude ...	.											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.33	1.10										
February ...	2.20	.95										
March .....	.96	1.87										
April .....	1.38	.91										
May .....	3.10	1.02										
June .....	1.55	1.99										
July .....	1.74	.36										
August .....	2.70	.55										
September ..	.92	1.36										
October ...	1.60	3.09										
November ...	3.36	3.43										
December ...	3.29	3.99										
TOTALS ...	24.43	20.65										

1910 Sch Buildings 65 ft high 150 yds N.W.

? same as County Laboratories, next sheet

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



## RAINFALL at

Chelmsford County Laboratory

County of Essex

Observer

R. M. Watson

River Basin Blackwater 4

Rain Gauge, by Casella

Diameter ...						5					
Height .....						10					
Altitude ...						140					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	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	
April .....					.82	.71	1.15	1.10	3.04	3.63	
May .....					1.20	2.22	1.53	2.72	1.47	.82	
June .....					1.70	.78	2.49	.84	.76	1.23	
July .....					2.22	4.03	.91	4.01	4.92	1.98	
August .....					.81	2.86	3.71	3.05	1.50	2.19	
September ..					.91	2.14	1.03	.92	3.58	1.19	
October ...					1.22	1.59	2.72	3.67	1.66	.82	
November ..					2.79	2.87	4.69	1.36	2.09	1.55	
December...					6.15	4.99	2.83	.90	1.91	3.27	
TOTALS ...						29.37	29.89	21.47	25.57	24.37	

914 moved from Spauldham April  
Greenhouse 10 ft high 36 ft N E

? same as County Horticultural School anti

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51° 44'	0° 27'	Chelmsford	1/2 m	E	St Peter St Mary	170 yds 3/4 m	S E

RAINFALL at Chelmsford County LaboratoryCounty of EssexObserver R. M. Wilson Esq.River Basin Blackwater 4.H. M. M. Gresham Esq. 1923.1916 Scandinavian Rain Gauge, by F. L. Wells.S. B. Johnson Wallace M.Sc.East Anglian Institute of Agriculture

Diameter ...	5										
Height .....	1	0									
Altitude ...	140	134		134		120					
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 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 ...	.31	.17	2.15	2.97	.74	2.26	2.62	3.42	1.25	.45	.56
March .....	1.10	1.20	1.39	1.51	.73	1.08	.19	1.97	2.14	.06	1.24
April .....	3.53	1.53	2.58	1.67	3.16	1.21	4.55	1.47	.81	1.79	2.05
May .....	2.36	.98	.98	1.38	4.50	2.14	1.05	.95	1.85	1.78	2.05
June .....	.97	.13	1.81	.74	1.37	.38	2.84	3.04	2.32	.58	.53
July .....	3.30	.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	.90	3.96	2.72	1.44	2.00
September...	3.65	2.85	2.62	1.84	2.39	2.26	.91	4.17	.75	.73	3.59
October.....	.74	1.01	1.20	4.72	3.59	2.67	2.61	1.93	3.34	3.47	1.06
November...	.43	1.66	1.30	2.42	3.34	1.60	4.30	2.32	2.13	4.52	3.69
December...	2.05	1.24	2.37	1.96	2.96	2.14	.43	2.53	2.90	4.26	2.37
TOTALS...	22.78	14.21	24.64	23.95	31.12	24.32	24.93	29.55	25.21	22.17	23.67
	D	D	D	D	D	D	D	D	D	D	D

1920. Greenhouse 10 ft. lil 36 ft. 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.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	51° 44'	0° 27'	Chelmsford	5 mi	E	<u>St. Peter</u> <u>St. Mary</u>	170 yds 34 mi	S E

RAINFALL at Chelmsford (County Laboratory) M.W.R.County of EssexObserver East Anglian Inst. Agric.River Basin BlackwaterEssex Education Committee

Type of Gauge

Annual Average 22.2 in. based on 2 years obs. un-weighted. Period of average 1881/1915. Ref. Av. Working Sheet

Diameter	5.											
Height	1.0.						1	3	1.0			
Altitude	<del>134</del> 440.	134										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.84	1.15	1.20	1.36	1.69	4.13	3.77	2.24	5.06	1.69		
February	1.76	.23	1.14	.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	2.31	.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	(1.02)		
September	1.72	1.51	1.89	.95	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	no mp		

Inspected 17/6/35. run of g. found to be 10 1/2" above ground. Raised to 12" 1/2 by 25/7/35.  
 1936. Gauge moved to position 100. of screen as recommended. 1936. the same. (letter of 29/2/36.  
 resolution set up at 10" with

total of 24 miles for gauge selected. monthly values Aug-Dec compiled for Chelmsford 1287. 40

Position of Station on reduced Ordnance Survey Map,  
 1 mile to 1 inch Series

No. of Map

Reference No.

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





Station No. 1287/9 (MWR) **51**RAINFALL at Writtle (Inst. of Agriculture)County of Essex Observer The Executive Office (E.W.A.E.C)River Basin Blackwater - 4 Essex Inst. of Agriculture.Type of Gauge M.O.Annual Average 23.09 in. based on 12 years obs. un-weighted. Period of average 1916-1950 Ref. PFile No. 1916-1950

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	17.43
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	1.83	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	2.94	1.22	1.35	1.23	2.12	1.73	2.60	3.73	2.32	20.89
TOTALS ...	28.60	22.75	18.11	23.03	21.41	19.59	20.25	30.72	16.91	29.60	230.97
	D	D	D	D	D	D	D	D	D	D	

1955 - July - reported - Satisfactory.  
 In June 1957. G. same. Exp. Sat.  
 Insp. 16.6.59 H. G. A. Cole - Satisfactory.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 52/677069

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction 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
				641✓	