

10 1993

# RAINFALL at Long Ashton Agricultural & Horticultural Research Station

County of SomersetObserver E. P. WestobyAsst. ManagerRiver Basin Lower Avon 1

Rain Gauge, by

Diameter ...				8							
Height .....				0.9							
Altitude ...				165							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Means.
January ...					1.47	3.22	2.89	1.09	2.90	4.60	111.8
February ...					2.99	4.08	4.89	1.60	2.20	3.20	117.9
March .....					5.10	.96	3.57	3.65	1.70	5.50	104.2
April .....					2.03	1.24	1.29	2.19	2.30	1.80	75.8
May .....				2.85	1.99	3.96	4.24	2.22	2.10	.20	87.6
June .....				1.62	2.53	.97	2.81	2.83	1.20	1.40	82.4
July .....				.63	5.33	5.01	1.80	2.30	4.90	2.40	109.0
August .....				1.47	3.19	2.26	5.80	8.31	2.80	3.10	200.1
September ..				3.73	1.85	1.77	1.95	2.69	10.70	2.00	173.4
October ...				2.72	2.07	4.33	7.68	6.88	2.10	2.50	191.6
November ..				3.49	4.03	1.97	3.17	.74	2.20	2.00	81.1
December...				2.09	6.25	6.59	4.34	.53	4.90	6.50	162.7
TOTALS ...					38.83	36.36	43.93	34.93	(4000) N.R.	(3520)	154.06

1914 Cottages 20 ft high 90-111 ft W + NW  
 1918 Record inaccurate

Ref. Table 1 to 1945

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51° 25'	2° 46'	Flax Bourton	1 1/4 m	SW	Long Ashton	1 1/2 m	NE

# RAINFALL at *Long Ashton* <sup>Research Station</sup> *101*

County of *Somerset*Observer *H. H. Nield Esq.*River Basin *1. Lower Avon.**The Principal (22)*(1926) *Glaisher* Rain Gauge, by

Diameter ...	—	12				8		8				
Height .....	1.0	0.8						1.0				
Altitude ...	162											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	5.00	3.67	3.23	1.92	4.63	3.27	5.06	3.33	6.28	1.15	5.33	4287
February ...	2.00	2.7	4.54	7.12	6.8	4.65	1.91	3.41	3.69	1.41	5.55	3023
March .....	2.80	2.18	3.45	1.34	1.80	.60	.68	3.01	2.86	.55	2.22	2149
April .....	4.30	1.03	3.19	2.70	2.98	1.79	2.90	1.49	1.39	.90	2.70	2537
May .....	<del>2.00</del> 2.85	2.12	1.05	1.88	4.32	4.90	2.83	1.13	1.11	2.48	1.45	2527
June .....	<del>4.20</del> 5.40	2.4	1.89	.51	4.45	.03	1.82	3.45	2.87	2.22	1.98	2366
July .....	<del>5.79</del> 5.79	1.02	4.27	2.35	5.01	3.45	2.39	5.27	3.17	1.84	2.38	3666
August .....	<del>2.86</del> 3.00	3.07	4.04	3.74	5.79	3.00	2.65	4.41	3.15	3.88	5.17	4150
September...	<del>2.09</del> 3.00	4.89	2.67	2.69	3.64	3.28	2.02	6.65	1.18	.74	4.24	3500
October .....	<del>2.40</del> 2.20	1.68	1.69	4.77	6.38	3.74	5.16	2.87	7.26	6.76	3.89	4720
November...	<del>2.05</del> 3.54	2.37	1.66	3.19	3.27	2.38	8.02	3.21	3.76	9.92	4.82	4480
December...	<del>3.16</del> 3.16	2.66	5.09	2.75	6.12	4.55	.56	3.27	3.75	8.08	3.73	4406
TOTALS...	40.00 0	25.20 0	36.97 0	34.96 0	49.07 0	35.64 0	35.91 0	41.50 0	40.47 0	39.93 0	38.46 0	41811

1921. *Stenson Screen 5 ft high 6 1/2 ft N.W.*

1924. Gauge moved 1 1/2 inch 8 ft S.E.

*Stenson Screen 4 ft high 20 ft N.**Solar radiation therm 4 ft high 10 ft N.*

Cm

ref J. L. H.

1995

Position of Station on reduced Ordnance Survey } No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station. 1921	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 26'	2° 40' W	Place Bawdon	1 1/4 mi	W.N.W.	Long Ashton	1 1/2 mi	E.N.E.

## RAINFALL at Long Ashton (Research Station)

M.W.R.

County of SomersetshireObserver W. H. Neild, Esq.River Basin Lower Avon - 1The PrincipalType of Gauge gaucheAnnual Average 34.1 in. based on 2 years obs. un-weighted. Period of average 1881-1915 Ref S

Diameter	8										
Height	0.8							1.0			
Altitude	162										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.25	4.53	3.86	2.16	1.07	3.53	4.43	4.90	5.76	2.44	34.63
February	2.27	.05	3.93	.41	3.24	2.65	5.16	1.11	2.28	2.29	23.39
March	.86	2.60	3.71	2.21	.68	2.51	3.28	.46	1.67	2.65	21.83
April	2.72	3.56	1.18	2.79	4.85	2.71	2.62	.25	3.27	2.20	26.15
May	3.47	5.93	2.22	1.46	1.11	1.13	2.56	2.19	.89	2.68	23.64
June	3.50	1.42	1.19	1.56	4.20	2.93	1.41	1.29	2.11	1.08	20.69
July	4.45	272	1.96	1.70	2.04	5.85	3.99	3.94	11.46	7.92	39.03
August	3.96	1.21	1.41	3.08	1.97	.56	2.01	3.36	3.07	.19	20.82
September	2.95	5.82	2.35	2.55	7.88	3.18	2.11	2.28	1.04	1.91	31.07
October	1.12	7.48	2.84	2.21	6.34	1.93	3.32	5.92	2.93	4.34	38.43
November	4.69	2.02	0.57	1.32	6.19	4.78	2.05	5.18	7.06	8.65	42.51
December	2.23	1.60	1.43	7.13	4.41	3.47	2.10	3.57	2.34	1.60	29.88
TOTALS	34.47	38.94	26.86	28.58	13.98	35.23	35.24	34.45	36.88	37.95	352.07

*Inspected 4.37 Site changed about 1922. Exposure good & gauge is sound*

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. 1993

RAINFALL at Long Ashton (Research Station) M.W.R. 41

County of Somersetshire Observer The Director (1921)

River Basin Lower Avon - 1

Type of Gauge Glaisher

Annual Average 34.1 in. based on 9 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	8"					4.7	6.40					
Height	0.8		1.0				1					
Altitude	162						41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.49	3.71	6.06	2.06	2.24	3.55	2.42	6.37	1.07	1.05	3262	
February	3.42	.17	1.98	.79	3.75	2.94	1.61	1.97	1.46	5.94	2403	
March	3.37	2.08	1.25	.47	1.16	1.15	6.30	1.69	1.52	1.52	2051	
April	1.27	1.21	1.30	2.88	1.02	2.26	2.77	2.22	2.25	2.56	1974	
May	1.71	5.12	2.84	1.20	3.56	4.14	3.07	3.67	3.48	2.44	3123	
June	2.20	.40	1.89	3.18	3.61	3.45	1.74	2.59	.51	2.46	2263	
July	2.32	2.91	1.96	2.11	1.88	1.62	3.28	1.34	1.42	4.15	2299	
August	4.82	4.71	4.26	3.55	2.65	7.41	.84	4.69	2.40	7.45	4278	
September	.50	2.00	2.89	3.92	2.21	4.46	2.01	2.79	2.52	5.57	2807	
October	2.18	4.12	3.08	4.81	3.94	1.05	.55	4.40	7.96	1.94	3403	
November	1.82	1.52	2.21	6.36	.53	4.94	2.68	2.02	3.58	6.55	3221	
December	2.65	3.91	2.09	2.83	5.02	3.43	3.08	5.80	2.19	2.14	3264	
TOTALS	29.75	31.86	31.81	34.16	31.57	40.40	30.35	39.05	30.36	43.77	3430.8	

Aug 1950. Gauge firmly fixed in ground with rim level

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.

BRITISH RAINFALL ORGANIZATION

Station No. 1993RAINFALL at Long Ashton (Research Station) (MWR) **51**  
(273)County of Somerset Observer The DirectorRiver Basin Lower Avon - 1Type of Gauge Glaisher / 100 mm 1904Annual Average 34.1 in. based on 9 years obs. unweighted. Period of average 1881-1915 Ref. S36.21 " " 35 " 1916-1950File No. 1916-1950  
P

Diameter ...	8"				4.7	640						
Height ...	1' 0"					1						
Altitude ...	162'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	1961
January ...	4.27	3.24	.74	2.82	3.38	4.01	3.20	2.78	3.93	3.57	3.19	3194.
February ...	4.35	.76	1.74	3.67	1.71	.20	3.46	4.38	.33	2.56	2.27	2323.
March ...	4.13	2.98	.93	3.45	1.27	.99	2.86	1.21	2.74	2.53	1.6	2309.
April ...	3.80	1.81	4.07	.79	1.42	1.92	.14	1.26	2.87	1.50		1958.
May ...	2.94	4.28	1.51	2.21	3.91	.50	1.94	3.58	1.68	1.16		2411.
June ...	.68	3.94	2.15	4.29	2.59	2.78	1.79	3.63	1.74	2.21	1.2	2580.
July ...	1.66	.77	4.12	4.05	.15	4.26	4.47	1.99	3.05	4.86		2938.
August ...	5.10	6.16	5.36	3.32	.64	7.99	3.15	3.07	1.36	4.83		4098.
September ...	3.02	3.23	3.48	6.08	1.35	3.55	4.57	5.47	.19	4.91	2.4	3585.
October ...	.75	4.71	2.86	4.31	1.42	1.40	3.72	3.18	3.57	6.34	3.3	3226.
November ...	7.24	4.23	2.05	7.09	4.22	1.07	2.76	2.42	4.38	4.81	1.1	4026.
December ...	2.50	2.24	.99	2.60	3.71	4.12	2.56	3.66	7.00	4.86		3424.
TOTALS ...	40.44	38.35	30.40	44.68	25.84	32.79	34.62	36.63	32.84	44.13	360.12	469
	D	D	D	D	D	D	D	D	D	D		

Sup. 11/10/59 9/54. Satisfactory.

Nov. 1915 - site moved 80 yds 245° (mag) - continuous record - site standard.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference ST131623.698

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
	comp 1913-17	21-30 imp. 20	✓	✓	
	315	✓	✓	✓	