

**RAINFALL at Long Ashton Agricultural & Horticultural Research Station**

County of SomersetObserver E. P. Westley Secy & ManagerRiver Basin Lower Avon

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

Diameter ...												
Height .....												
Altitude ...												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	M.H.A.N.S.	
January ...					1.47	3.22	2.89	1.09	290	460	11128	
February ...					2.99	4.08	4.89	1.60	220	320	1179	
March .....					5.10	.96	3.57	3.65	170	550	1442	
April .....					2.03	1.24	1.29	2.19	230	180	758	
May .....					2.85	1.99	3.96	4.24	222	210	20	876
June .....					1.62	2.53	.97	2.81	2.83	120	140	824
July .....					.63	5.33	5.01	1.80	2.30	490	240	1090
August .....					1.47	3.19	2.26	5.80	8.31	280	310	2001
September ..					3.73	1.85	1.77	1.95	2.69	1070	200	1734
October ...					2.72	2.07	4.33	7.68	6.88	210	250	1916
November ..					3.49	4.03	1.97	3.17	.74	220	200	811
December...					2.09	6.25	6.59	4.34	.53	490	650	1627
TOTALS ...					38.83	36.36	43.93	34.93	(4000) NR.	(3520)	15406	

1916 Cottages 20 off high 90-111 ft W + N

1918 Record inaccurate

Re-drafted 14/1/1995

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
51° 25' 24"			Flax Bourton	1 1/4 m	S SW	Long Ashton	1/2 m	NE

1993

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Research Station

## RAINFALL at Long Ashton. 101.

County of Somerset. Observer W. H. Neale Esq.

River Basin 1. Lower Avon. The Principal (2)

(1926) Slasher 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	MEANS.
January	5.00	3.67	3.23	1.92	4.63	3.27	5.06	3.33	6.28	1.15	5.33
February	2.00	2.7	4.84	7.12	6.8	4.65	1.91	3.41	3.69	1.41	.55
March	2.80	2.18	3.45	1.34	1.80	.60	.68	3.01	2.86	.55	2.22
April	4.30	1.03	3.19	2.70	2.98	1.79	2.90	1.49	1.39	.90	2.70
May	2.00	2.12	1.05	1.88	4.32	4.90	2.83	1.13	1.11	2.48	1.45
June	4.20	2.4	1.89	.51	4.45	.03	1.82	3.45	2.87	2.22	1.98
July	5.19	1.02	4.27	2.35	5.01	3.45	2.30	5.27	3.17	1.84	2.38
August	2.86	3.07	4.04	3.74	5.79	3.00	2.65	4.41	3.15	3.88	5.17
September	3.09	4.89	2.67	2.69	3.64	3.28	2.02	6.65	1.18	.74	4.24
October	2.40	1.68	1.69	4.77	6.38	3.74	5.16	2.87	7.26	6.76	3.89
November	2.05	2.37	1.66	3.19	3.27	2.38	8.02	3.21	3.76	9.92	4.82
December	3.16	2.66	5.09	2.75	6.12	4.55	.56	3.27	3.75	8.08	3.73
TOTALS	(40.00)	25.20	36.97	34.96	49.07	35.64	35.91	41.50	40.47	39.93	38.46
	0	0	0	0	0	0	0	0	0	0	0
											418.11

1921. Stevenson Screen 5 ft. High 6 ft. N.W.

1924. Gauge moved 1 ft. March 8 op. S.E.

Stevenson Screen 5 ft. High 20 ft. N.

Solar radiation therm. 4 ft. high 10 ft. N.

Lat. N.  
ref. Trelat Hs

1995

Position of Station on reduced Ordnance Survey Map, 2 miles 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
1920	51°26' N.	2°40' E.	Gloucester	1/4 mi	W.N.W.	Long Ashton	1/2 mi	E.N.E.

## RAINFALL at Long Ashton (Research Station)

M.W.R.

County of Somersetshire

Observer W.H. Neild, Esq.

River Basin Lower Avon -

The Principal

Type of Gauge 8in.

Annual Average 34.47 in. based on 2 years obs un-weighted. Period of average 1915-1916 Ref. S

Diameter	8	Height	0.8	Altitude	162	Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.25	4.53	3.06	2.16	1.07	3.53	4.43	4.90	5.76	2.44	34.63						
February	2.27	0.05	3.93	1.41	3.24	2.65	5.16	1.11	2.28	2.29	23.39						
March	1.86	2.60	3.71	2.21	1.68	2.51	3.28	1.46	1.67	2.65	21.83						
April	2.72	3.56	1.18	2.79	4.85	2.71	2.62	2.25	3.24	2.20	26.15						
May	3.47	5.93	2.22	1.46	1.11	1.13	2.56	2.19	1.89	2.65	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	2.72	1.96	1.70	2.04	5.85	3.99	3.94	4.46	7.92	39.03						
August	3.96	1.21	1.41	3.08	1.97	5.6	2.01	3.36	3.07	1.19	20.82						
September	2.95	5.82	2.36	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	26.36	28.58	43.98	35.23	35.24	34.45	36.88	37.95	352.07	60					

In�ed V.27 Site changed about 1932. Exposure good &amp; plumb gauge is sound

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 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 Principal

River Basin Lower Avon - 1 The Director (1944)

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"				417	640					
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	3202
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	2203
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	2.69	2.40	7.45	4278
September	.50	2.00	2.89	3.92	2.21	4.46	8.01	2.79	2.52	5.57	2887
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	8.68	2.02	3.58	6.55	3221
December	2.65	3.91	2.09	2.83	5.02	3.43	5.08	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	34308

Aug 1950. Gauge firmly fixed in ground with rim level  
~~1940~~.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. 1993

RAINFALL at Long Ashton (Research Station) (MWR) 51  
(273)

County of Somerset Observer The Director

River Basin Lower Avon - 1

Type of Gauge Glazier / <sup>1904</sup>Annual Average 34.1 in. based on 9 years obs. un-weighted. Period of average 1881-1915 Ref. S  
36.21 " " 35 " 1916-1950 File 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
January ...	4.27	3.24	.74	2.82	3.38	4.01	3.20	2.78	3.93	3.57	3194.
February ...	4.35	.76	1.74	3.67	1.78	.20	3.46	4.38	.33	2.56	2323
March ...	4.13	2.98	.98	3.45	1.27	.99	2.86	1.21	2.74	2.53	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	.60	1.94	3.58	1.68	1.16	2411.
June ...	6.8	3.94	2.15	4.29	2.59	2.78	1.79	3.63	1.74	2.21	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	5.26	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	3585.
October ...	.75	4.71	2.86	4.31	1.42	1.40	3.72	3.18	3.57	6.34	3226.
November ...	1.24	4.23	2.05	1.09	4.22	1.07	2.76	2.42	4.38	4.81	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	36072.

900 ft. Hg. 91.54. Satisfactory.

Nov. 1918- site moved 8040 ft 244° (Aug) - continuous record - site standard.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference ST131622.628

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