

# RAINFALL AT *Redditch, Hewell Gardens*

Lat.

Lon.

County of

*Worcester*

Rain Gauge, by

 Observer *M. A. A. Pettigrew*
*upper arm - 3.*

Diameter	5										
Height	10										
Altitude	484 ft							469 ft			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January		1.10	1.00	2.29	3.06	1.21	3.90	1.05	.93	1.46	
February		.70	1.66	1.62	3.61	.71	1.65	.93	1.34	.63	
March		1.37	1.77	4.68	1.71	3.53	1.20	.94	2.70	3.12	
April		1.15	2.51	1.55	.95	2.56	1.42	2.24	2.64	2.33	
May		1.03	3.65	3.85	2.97	.53	2.40	3.12	3.17	1.71	
June		1.34	2.83	2.89	.56	3.00	3.03	2.66	1.88	4.15	
July		2.15	1.36	2.81	3.16	1.03	1.02	2.22	3.38	3.61	
August		2.22	4.48	3.82	1.89	5.17	1.46	2.94	3.11	1.95	
September		1.23	1.32	2.94	2.25	1.11	1.36	.66	1.42	4.04	
October		1.41	3.15	6.90	.92	1.33	5.68	6.24	1.96	3.66	
November		1.00	2.84	1.77	1.52	2.57	3.36	2.08	2.02	.87	
December		4.93	1.88	1.89	2.48	.80	2.36	3.28	2.28	4.53	
TOTALS		19.63	28.45	37.01	25.08	23.55	28.84	28.40	26.83	32.06	

1905 *Tardecroft Church* 610 yards NW  
*Promogrove Station* 3430 NW N  
*Bush Apple Tree* 6 ft high 13 ft W  
 1907 *Shewmon's farm* 5' 3" 12 ft S W  
*tree* 70 ft high 130. NW  
*first range road* 100 yards S

RAINFALL at Redditch Hewell GardensCounty of WorcestershireObserver Mr A. A. Pettigrew M. J. G. Graham 1915River Basin Severn. Upper Avon 3

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

Diameter ...	5											
Height .....	10											
Altitude ...	469K											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Totals
January ...	2.55	.80	4.33	4.18	.99	3.27	1.12	2.17	2.66	3.95		16.79
February ...	2.80	1.51	1.76	1.02	1.73	4.04	4.40	1.16	1.54	3.01		9.90
March .....	.74	2.14	4.24	4.26	2.49	.88	3.24	2.21	1.41	4.25		10.11
April .....	2.10	1.04	.05	3.62	1.05	1.10	1.39	1.23	2.72	1.82		11.91
May .....	1.56	.78	3.18	2.40	1.64	2.31	2.90	4.43	2.13	1.11		7.16
June .....	1.67	1.80	5.44	1.29	2.92	2.35	1.67	3.68	1.02	1.38		10.57
July .....	2.81	.34	2.72	1.38	4.39	6.80	2.53	1.71	2.65	3.02		7.75
August .....	5.43	1.49	7.96	1.35	1.96	2.06	3.38	7.10	1.70	2.88		9.91
September ..	.80	1.63	.69	2.29	1.13	1.13	1.44	2.10	4.57	1.95		15.06
October ...	2.35	2.45	2.83	3.97	2.15	3.13	3.60	3.45	1.75	2.90		10.06
November ..	3.91	2.87	2.01	2.95	3.14	2.37	2.77	1.33	1.85	1.26		11.70
December ...	4.56	5.19	4.19	1.12	6.38	4.80	2.79	1.29	2.55	3.85		7.21
TOTALS ...	31.28	22.04	39.40	29.83	30.02	34.24	31.23	31.86	26.55	31.38		10.43
	D	D	D	D	D	D	D	D	D	D		12.02

1916 Stevenson Screen 5 ft 12 in 12 ft 5 in  
7 in 7 ft 12 in NW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
52.18.50	2	W	Drumsgear	3450 yds	W by N	Madeby	678 yds	NW

RAINFALL at *Redditch (Howell Gardens)*County of *Worcester*Observer *W. J. G. G. G. G.*River Basin *S - upper Avon*hr. *S. Wolynse* (1922)  
for *East of Plymouth*New Gage: *140-68* Rain Gauge, by \_\_\_\_\_

Diameter ...	5											
Height .....	1.0											
Altitude ...	469											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means	Totals
January ...	2.73	2.59	3.38	2.37	3.20	1.95	3.87	3.60	4.83	1.48	4.66	34.66
February ...	.82	.18	2.83	5.35	.85	2.72	2.40	2.84	2.10	.62	.40	21.11
March .....	2.72	1.34	2.21	2.09	1.14	.93	.83	2.34	2.58	.32	2.71	19.21
April .....	4.61	1.37	2.40	3.10	3.22	2.39	3.04	1.67	1.79	.66	3.26	27.51
May .....	2.05	1.90	1.25	1.42	5.42	3.57	4.95	2.13	.77	1.96	2.28	27.70
June .....	2.54	.47	.83	.56	2.87	.29	2.08	4.08	3.04	1.90	1.27	19.93
July .....	5.39	.68	4.74	2.64	3.38	3.79	2.08	6.78	1.15	1.79	3.98	36.40
August .....	2.69	5.07	4.68	2.16	5.69	2.70	2.26	4.24	2.31	2.36	3.17	35.33
September...	2.81	.96	2.59	3.32	3.84	3.58	.90	4.64	.59	1.35	4.30	28.77
October .....	3.64	1.82	.35	4.60	3.97	3.99	2.59	1.79	4.74	4.07	2.79	34.35
November...	.86	2.12	1.19	1.89	2.20	1.50	5.69	3.66	2.91	3.09	3.16	33.27
December...	2.49	2.11	3.35	3.44	2.96	2.90	.61	3.08	2.27	5.23	3.18	31.62
TOTALS...	33.35	20.61	29.80	32.94	36.74	30.31	31.30	40.85	29.08	29.83	35.16	347.97
	0	0	0	0	0	0	0	0	0	0	0	446

1920. Station taken 57.3 in 12 ft of 6 in.

Hae 70 ft 130 ... 6 in.

IX/23 Inspected by *Mr. Gleanpools* see green filePosition of Station on reduced Ordnance Survey  
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	52° 18' 30"	2	Stratford-upon-Avon	about 3/4 mile	W.	St. Lawrence	678 yds	N.W.



RAINFALL at Redditch (Hewell Gardens)County of WorcestershireObserver Mr. F. MolyneuxRiver Basin Severn - Upper Avon 3

Type of Gauge

Annual Average 27.7 in. based on 15 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S

875124/28.

Diameter	5											
Height	10											
Altitude	469											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	1.66	2.08	1.96	2.50	1.08	3.64	3.38	3.28	5.81	3.17		28.56
February	2.46	.23	2.66	.42	2.05	2.75	4.60	.74	1.07	2.53		19.51
March	.23	1.79	2.27	2.34	.67	2.08	2.99	.51	1.65	1.77		16.30
April	3.58	3.02	0.99	2.22	3.73	1.99	3.21	.15	1.82	3.09		23.80
May	4.05	6.99	1.39	.98	.90	1.02	2.17	1.69	1.00	2.96		23.05
June	3.98	1.15	2.11	.87	3.10	11.39	1.22	1.98	2.26	.62		21.88
July	4.26	3.01	1.37	1.12	.76	6.09	2.84	3.29	7.49	3.39		33.62
August	5.65	2.40	0.66	2.29	1.69	.77	.60	3.94	2.41	.37		20.78
September	2.96	3.19	1.04	2.22	3.92	2.97	2.38	2.10	0.73	2.03		23.54
October	.87	3.37	3.02	1.41	3.78	1.69	2.90	2.99	3.92	3.76		27.71
November	3.38	1.53	0.90	2.18	5.50	2.38	1.60	3.12	3.89	7.77		32.25
December	1.10	.90	0.42	5.31	3.84	2.67	2.61	4.61	1.95	1.36		24.77
TOTALS	34.18	29.66	18.79	23.86	31.02	32.44	30.50	28.40	34.00	32.92		295.77

1931 Stevenson screen 5'3" high 12' to S.W. Tree 70' high 130' to N.W.

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
1931.			Bromsgrove	3.45	by rd. W.	Landrigge	6.78	by rd. N.W.

Station No. 2434RAINFALL at Redditch (Hewell Gardens)

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County of Worcestershire Observer Mr J. L. GlynneRiver Basin Severn Upper Avon 3

Type of Gauge.....

Annual Average 27.7 in. based on 15 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 875124/28

Diameter	5"				4.57	2.41						
Height	1' 0"					1						
Altitude	469'					41						
Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	Means	
January	4.40	2.88	4.94	2.36	1.59	2.46	1.93	4.33	1.60	1.19		Totals 27.68
February	2.73	1.07	1.25	1.40	1.85	1.75	1.23	1.19	.64	5.36		18.47
March	2.36	2.12	.94	.49	.97	.97	4.60	1.19	2.05	1.48		17.17
April	1.83	1.33	.72	1.72	.91	3.06	1.72	2.84	2.55	2.68		19.09
May	2.58	3.75	3.32	.47	2.64	2.66	2.23	2.17	3.13	1.80		24.75
June	1.83	.07	1.88	1.87	3.37	2.81	1.44	4.72	.34	2.05		20.38
July	3.34	1.58	1.25	3.27	2.28	1.66	2.56	1.67	2.85	2.92		23.44
August	3.90	2.86	1.48	1.89	2.06	5.71	.92	5.16	1.11	4.07		29.16
September	.74	1.63	1.33	3.61	1.46	3.63	1.34	2.75	1.96	3.83		22.34
October	2.76	3.03	2.08	3.50	3.03	.76	.57	8.96	5.57	.75		25.07
November	2.94	1.58	1.71	4.64	.44	5.03	1.58	1.68	3.00	3.91		26.51
December	1.83	3.73	1.07	1.46	3.19	2.51	2.60	4.12	1.70	2.35		24.56
TOTALS	31.27 20	25.75 d.	21.97 d	26.68 d	23.79 d	33.01 D	22.72 D	34.51 D	26.50 3	32.39 D		278.59 28

1941 Stevenson Screen 5' 3" higher 12' S.W. Tree 70' higher 130' N.W.

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.
1941	52°12'50"	2° W.	Bromsgrove.	3480y.	W.	Jardelbigge.	678y.	N.W.

Station No. 2454

RAINFALL at Redditch (Hewell Gardens)

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County of Worcestershire

Observer

River Basin Severn-Hampden-3

Mr. E. Johnson

Type of Gauge

Annual Average 27.7 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. S.  
29.87 - .35 - 1916-1950 1916-1950  
File No. 875124/28 P

Diameter ...	5"				457	241					
Height ...	1' 0"					1					
Altitude ...	469'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.60	2.06	.91	1.30	2.60	2.56	1.22	2.67	2.94	#	<sup>SS</sup> Low?
February ...	2.57	.42	1.69	2.74	1.64	.28	2.41	4.04	.22		
March ...	5.24	2.99	1.61	2.44	2.97	1.01	2.31	1.24	1.88		
April ...	2.92	2.28	2.69	.64	1.28	1.19	.06	.46	3.13		
May ...	3.90	2.96	2.47	2.74	4.46	.60	1.42	2.62	1.48		
June ...	1.11	2.00	1.96	3.11	2.49	2.26	1.07	3.69	inc		
July ...	1.12	1.31	3.55	3.91	.93	3.15	3.81	3.14	1.49		
August ...	4.43	5.12	2.87	4.95	.46	6.36	3.74	3.37	inc		
September ...	2.12	1.59	2.24	1.53	1.41	3.09	4.07	4.21	.22		
October ...	.72	5.49	1.94	3.14	.94	1.43	1.48	2.11	2.52		
November ...	7.70	2.88	1.28	5.61	2.58	.75	(2.04)	1.98	3.97		
December ...	2.39	3.37	1.07	1.82	1.34	2.75	2.32	3.28	4.79		
TOTALS ...	36.82	32.47	24.28	33.93	23.10	25.43	25.90	32.81	inc		
	D	D	D	D	D	D	D	D	nc		

1951 Stevenson screen 5' 3" at 12' A.M.

1960 Rather low but accept.

1960 Feminine! Interference of the gauge by wind.

1959 19 inc. Several omissions also made.

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference SP(42) 000687

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Bromsgrove	3,400' W.	Jardelaggi	678' N.W.

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
	✓	✓	✓	✓	✓