

## RAINFALL at HAWARDEN COUNTY SCHOOL

County of FLINTSHIRE

Observer A Lyon Esq M.A.

River Basin Dee - 1

County School

Hawarden.

Rain Gauge, by

Diameter ...	5"										
Height .....	10"										
Altitude ...	257 ft.										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	0.55	3.89	3.07	1.29	2.70	0.91	1.96	1.41	2.31		
February ...	2.45	1.24	1.31	0.96	1.97	2.56	2.44	1.34	1.66	1.31	
March .....	0.75	0.98	3.07	3.23	2.29	1.08	2.67	1.86	0.51	3.45	
April.....	2.59	0.67	0.34	3.52	0.48	0.93	1.43	1.68	1.76	1.34	
May .....	1.84	0.67	2.32	2.19	1.85	1.98	3.06	3.15	3.25	0.62	
June .....	2.57	3.02	3.57	1.74	2.63	0.64	1.10	1.53	1.79	0.90	
July .....	4.00	0.85	1.61	2.05	6.63	2.59	1.22	1.21	3.31	1.51	
August .....	3.08	2.39	6.32	2.92	2.35	3.58	2.13	8.97	2.00	3.30	
September...	0.16	3.63	1.21	1.48	2.50	1.24	2.92	0.97	5.94	2.34	
October.....	2.49	2.11	2.89	3.17	1.19	2.37	3.71	4.33	2.04	3.79	
November...	4.76	1.98	1.97	1.86	3.00	3.50	3.00	1.80	1.64	2.08	
December ...	3.63	3.88	1.97	1.65	5.93	4.46	1.95	1.16	3.56	4.78	
TOTALS...											

Back year 1910 - 1921 read 13/1/30

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

Map, 2 miles to 1 inch Series

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
	53° 11' 20" N	3° 2' 20" W	Hawarden L+N.E.	½ ml	SE	Hawarden	2 ½ ml	ESE

## RAINFALL at Hawarden County School

County of Flint

Observer A Lyon Esq., M.A.

River Basin Dee 1

G.S. Williams (1929)

Hawarden Rain Gauge, by

Diameter ...											5
Height .....	9 6 0 . 11										0 10
Altitude ...	260										257
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Meters: 1930.
January ...	2.75	3.26	3.88	1.68	1.99	2.01	2.67	2.37	3.50	1.23	3.69
February ...	2.45	2.25	2.65	3.88	2.47	4.13	2.12	1.18	2.21	.90	0.57
March .....	3.72	1.07	2.51	.83	.61	.82	.61	3.24	2.02	.09	4.12
April.....	3.97	.95	2.20	1.84	1.65	1.84	.69	1.59	1.09	.76	3.01
May .....	2.71	1.29	.44	2.70	5.04	2.62	3.43	1.18	1.96	1.58	1.11
June .....	2.65	.23	1.14	.25	1.77	.04	1.59	4.46	3.87	1.76	1.53
July .....	5.52	.70	3.43	2.89	5.90	1.78	4.01	3.19	.95	2.48	4.10
August .....	1.57	3.43	2.74	3.40	3.35	4.20	2.76	4.55	2.60	2.75	3.88
September...	2.11	.67	2.86	2.82	3.00	3.23	2.58	3.61	1.56	1.58	3.68
October.....	2.59	2.64	.35	4.41	3.41	3.49	1.85	2.26	3.12	3.43	4.02
November...	.72	2.59	1.21	2.27	1.87	3.27	2.31	3.69	3.32	4.49	3.76
December...	2.50	2.61	3.60	3.48	2.53	2.47	.71	1.64	2.08	3.26	4.05
TOTALS...	33.26	19.69	26.81	30.46	31.51	29.90	27.33	32.96	28.28	24.31	37.52

1921. House 30' High 10' 7" NW - S.W.

School 20' 10' 6" SW.

1925 House 30' " 24' W  
School 20' " 22' S

1926 Late m.p.

1920. Record received & entered 13<sup>th</sup> January 1930.

1930. Grass and flowers 6" all around.

G. read 8.50. a.m.

Position 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	Parish Church.	Distance from gauge	Direction
1921	53° 11'	3° 2'	Hawarden	1/2 mi	S E	Hawarden	2 1/2 mi	E. S. E.
1925			- do -	1/2 mi	E. by S	- do -	3/4 mi	E

## RAINFALL at Hawarden (County School.)

St. David's Library (1938) &amp; 36 High Park (1939).

County of Flint

Observer G. A. Williams

River Basin - Dee

Type of Gauge 6.0

Annual Average ~~2.2~~ in. based on ~~2~~ years obs. un-weighted. Period of average 1881-1915 Ref. S  
average not to exceed  $\pm .39 \frac{1}{2}$ 

928733/29

Diameter										
Height	5.									
Altitude	249									
Year	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890 Means
January	2.41	2.83	1.82	1.61	1.30	0.34	3.28	4.06	5.16	2.95 3176
February	2.37	.04	3.02	1.12	2.28	2.41	5.29	.63	2.82	2.48 2146
March	.48	1.63	1.84	2.35	.99	2.03	2.71	.66	2.04	2.47 1720
April	2.84	3.37	1.00	2.12	2.40	1.94	2.68	.17	2.04	2.68 2124
May	3.08	3.69	1.20	1.60	1.30	1.58	2.25	2.82	1.52	2.63 2167
June	4.92	.56	1.50	.85	2.68	4.86	1.25	2.94	2.37	1.40 2303
July	1.68	5.14	1.50	.77	.85	2.36	1.41	2.56	5.86	3.50 2562
August	5.91	1.54	.82	2.34	1.62	1.11	1.60	4.00	1.71	.47 2112
September	3.50	1.75	.61	1.43	4.91	3.45	1.66	1.07	0.89	2.72 2198
October	1.27	4.54	3.65	3.40	4.20	1.43	3.16	3.20	4.01	3.87 3273
November	4.43	2.78	1.27	1.89	4.68	2.85	1.86	3.54	4.73	5.81 3384
December	1.69	.63	.53	4.62	3.80	2.66	3.29	3.60	1.81	2.77 2540
TOTALS	34.58	28.50	18.76	23.10	31.01	32.71	30.44	29.25	34.96	33.75 29706

1934 Grass lawn. Tennis wire fence 8' high 12'E.S.E.

1938 Gauge moved  $\frac{2}{3}$  m. E.S.E. on 5/12/38

1938 Hedge 5' high 12' away; Monument 25' high 19' away.

1940 Open fence 4 $\frac{1}{2}$ ' high 12' E. House 31' W.

+ Station formerly known as Hawarden (County School) Footnote for B.R. 1938

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
1931.			Hawarden	$\frac{1}{2}$ m.	S.E.	Hawarden	$\frac{2}{3}$ m.
1938			Hawarden	1 m.	W	Hawarden	$\frac{1}{2}$ m. N.N.E.

Station No. 4372

## RAINFALL at Hawarden, 316 (High Park)

41

County of Flint

Observer C. F. Williams Esq. -

River Basin 1 - Dee

Type of Gauge M.O.

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

Ref.

File No. 985733/29

Diameter	5	549	100							
Height	0 9		1		6' 10"					
Altitude	249		41		256					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950 Means
January	4.69	3.63	4.45	3.37	3.24	2.98	2.25	6.64	2.65	0.63
February	3.59	1.26	2.24	1.49	1.98	4.35	2.25	1.39	1.16	4.79
March	2.80	1.99	1.10	0.77	0.81	1.02	5.40	0.94	2.31	0.78
April	1.25	1.29	1.20	0.94	1.62	0.59	2.60	1.50	2.50	2.97
May	2.15	3.28	2.50	1.52	3.46	2.58	3.30	0.84	2.96	0.95
June	0.40	0.37	2.54	1.62	2.21	3.41	2.45	3.37	0.63	0.96
July	1.42	3.06	3.51	2.10	3.51	2.27	4.00	1.91	2.58	1.70
August	3.42	2.23	2.28	2.03	2.95	4.60	0.29	2.49	1.86	4.28
September	0.32	1.47	4.83	3.99	0.97	2.61	1.59	1.56	0.93	4.28
October	3.62	2.29	3.49	5.02	4.36	0.94	0.72	1.75	3.57	2.01
November	3.19	0.97	0.04	5.53	0.32	4.79	3.82	1.54	3.26	3.74
December	1.12	3.81	1.49	2.10	3.06	3.63	2.22	3.24	3.05	3.82
TOTALS	27.97	25.65	32.67	30.48	28.49	33.77	30.89	27.17	36.26	30.41

941 Open fence 4½' high 12' E. 1942 flowers, onions and beans various heights and distances away.  
House 31' W.

1945 Open fence 4½' high 12' East. House 31 ft to West. Garden crops 1' high 2' to N.

250' + seems more likely from 25 "map  
2173

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

Reference No. 33 - 311661

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1941			Hawarden	370 yds	S.	Hawarden	530 yds S.E.
1942			Hawarden	½ ml	SSE	Hawarden	¾ ml SSE
1943			Hawarden	330 yds	S.S.E.	Hawarden	550 yds SE.

BRITISH RAINFALL ORGANIZATION