

## METEOROLOGICAL OFFICE,

## RAINFALL 1961-1970

1907-1909

Station WHITELANDS HATFIELD PEVEREL No. 15-234012  
 County ESSEX (Old No. 1293/4)  
 Authority ..... Grid Ref. ....  
 ..... Altitude ..... ft.  
 ..... River Basin .....  
 File ..... TF...../ MWR / m / a Tributary .....

	1961	1962	1963	1964	1965	1966	1967	1968 1907	1969 1908	1970 1909	Means
January ...								1.07	.82	.80	
February ...								.92	1.41	.71	
March ...								.82	2.87	2.83	
April ...								2.93	2.30	1.76	
May ...								2.63	1.48	1.12	
June ...								2.46	.83	3.72	
July ...								1.66	2.96	2.35	
August ...								1.77	2.70	2.34	
September ...								.48	1.71	2.77	
October ...								3.12	1.63	4.16	
November ...								2.15	1.67	1.47	
December ...								2.48	2.33	3.39	
TOTAL ...								32.53	22.00	23.42	
Percentage ...											

## AVERAGE ANNUAL RAINFALL

	Actual	Estimated from data for:-
1881-1915 .....	in. ....	.....
1916-1950 .....	in. ....	.....
.....	in. ....	.....

Type and capacity of gauge .....

\*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

ENTERED TO DAY OF READING.

Earliest year with complete data (D : W : M).....

\*NOTES on years with incomplete or unsatisfactory data:-

Back data recd 17/1/68

\*Each note to be dated. Continue notes overleaf if necessary.

## METEOROLOGICAL OFFICE,

## RAINFALL 1961-1970 1910-1919

Station WHITELANDS, HATFIELD PEVEREL No. 15-234012  
 County ESSEX. (Old No. 1293/4)  
 Authority ..... Grid Ref. ....  
 ..... Altitude ..... ft.  
 ..... River Basin .....  
 File ..... TF ..... / MWR / m / a Tributary .....

	1961 1910	1962 1911	1963 1912	1964 1913	1965 1914	1966 1915	1967 1916	1968 1917	1969 1918	1970 1919	Means
January ...	1.46	1.17	2.57	3.22	1.26	2.67	1.28	1.21	3.03	2.43	
February ...	2.12	.83	1.40	.67	2.05	2.85	3.74	.77	.67	2.97	
March ...	1.10	2.21	2.56	1.57	4.26	1.05	4.30	1.55	.46	2.55	
April ...	1.60	.97	.33	2.22	.56	.64	1.12	1.52	3.30	3.61	
May ...	3.33	.61	1.43	1.87	1.19	2.21	1.74	2.13	1.40	.63	
June ...	2.12	2.31	1.63	1.65	1.70	.48	1.61	.92	.62	1.26	
July ...	2.47	.36	1.62	1.86	2.83	4.21	.95	2.67	5.54	1.95	
August ...	2.95	1.00	4.69	.17	.90	2.79	4.26	3.64	1.11	2.44	
September ...	1.18	1.49	2.91	1.57	.99	1.77	.74	.80	3.11	.98	
October ...	1.41	2.59	1.86	3.77	1.32	.59	2.71	3.46	1.92	.78	
November ...	3.40	3.81	1.77	2.69	2.12	3.21	4.49	1.66	2.43	1.56	
December ...	4.26	3.97	2.49	.67	6.23	4.37	2.99	1.38	2.07	3.21	
TOTAL ...	27.41	21.52	25.26	21.93	24.96	26.84	29.83	21.91	25.66	24.37	
Percentage ...											

## AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 .....in. ....

1916-1950 .....in. ....

.....in. ....

Type and capacity of gauge .....

\*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

ENTERED TO DAY OF READING

Earliest year with complete data (D : W : M).....

\*NOTES on years with incomplete or unsatisfactory data:-

Back data rec'd 17/1/68



## METEOROLOGICAL OFFICE,

## RAINFALL 1961-1970

1920 - 1930

Station WHITELANDS No. 15-234012  
 County ESSEX (Old No. 1293/4)  
 Authority (Grid Ref. x 1293/3)  
 Altitude ..... ft.  
 River Basin .....

File HATFIELD PEVEREL TF. .... MWR / m / a Tributary BURY FARM

	1961 1920	1962 1921	1963 1922	1964 1923	1965 1924	1966 1925	1967 1926	1968 1927	1969 1928	1970 1929	Means 1930
January ...	2.25	1.71	2.60	1.48	2.90	1.42	2.04	1.26	2.44	1.87	1.56
February ...	.44	.19	1.50	2.76	.70	1.99	2.28	3.23	1.08	.93	.90
March ...	.92	.86	1.32	1.34	.70	.94	.16	1.71	1.67	.08	1.56
April ...	3.63	1.64	2.32	1.65	2.35	1.50	4.17	2.22	1.35	1.33	2.36
May ...	1.33	.82	.86	1.13	3.39	2.80	1.16	.96	2.27	1.20	1.96
June ...	.92	.09	1.31	.79	1.83	.42	2.29	2.50	2.10	.55	.66
July ...	3.16	.18	2.65	.77	2.97	2.65	1.85	2.99	1.93	1.60	3.42
August ...	2.43	1.84	1.48	2.92	2.13	3.21	.92	2.91	2.58	1.33	2.28
September ...	3.57	2.10	1.66	1.67	2.55	2.57	.89	3.57	.66	.33	3.69
October ...	.72	.98	1.62	4.06	3.86	3.05	2.39	1.67	2.80	2.70	.96
November ...	.57	1.56	1.13	2.51	2.97	1.80	3.96	2.43	1.78	3.73	3.34
December ...	2.41	1.21	1.90	1.72	2.87	1.97	.55	2.31	2.96	3.82	2.27
TOTAL ...	22.56	13.18	20.35	21.90	29.12	24.22	22.66	27.76	23.92	18.75	24.96
Percentage ...											

## AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 ..... in. ....  
 1916-1950 ..... in. ....  
 ..... in. ....

Type and capacity of gauge .....

\*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

ENTERED TO DAY OF READING!

Earliest year with complete data (D : W : M).....

\*NOTES on years with incomplete or unsatisfactory data:-

Back data recd. 17/1/68

## METEOROLOGICAL OFFICE,

## RAINFALL 1961-1970 1931-1940

Station WHITELANDS BURY FARM No. 15-234012  
 County ESSEX (Old No. 1293/143)  
 Authority ..... Grid Ref. ....  
 ..... Altitude ..... ft.  
 ..... River Basin .....  
 File ..... TF..... / MWR / m / a Tributary .....

	1961 1931	1962 1932	1963 1933	1964 1934	1965 1935	1966 1936	1967 1937	1968 1938	1969 1939	1970 1940	Means
January ...	1.89	1.69	1.56	1.52	2.13	2.91	3.64	2.72	6.64	1.38	
February ...	1.94	.37	1.14	.22	2.03	2.17	3.92	.68	.56	1.37	
March ...	.69	1.63	1.46	1.53	.44	.74	3.16	.48	2.34	3.09	
April ...	2.76	1.92	.52	1.53	2.89	1.44	3.14	.31	2.33	1.72	
May ...	2.52	4.15	1.82	.49	1.22	.78	2.80	1.77	2.85	1.25	
June ...	1.45	.68	1.19	1.18	2.52	2.34	2.16	.77	1.52	.62	
July ...	4.70	2.66	1.14	1.43	.53	2.79	1.41	1.19	3.21	3.24	
August ...	3.63	.97	.23	1.42	1.95	.86	.69	1.73	3.79	.05	
September ...	1.37	1.78	2.26	.93	2.90	2.19	1.37	2.29	.66	1.59	
October ...	.75	5.61	1.51	1.55	2.12	1.39	1.48	2.65	6.80	2.23	
November ...	1.33	1.10	1.34	1.32	4.07	3.43	1.73	2.57	4.04	6.46	
December ...	.71	.36	.34	3.80	2.30	1.73	3.69	2.59	1.07	1.66	
TOTAL ...	24.24	21.12	14.54	17.17	24.95	24.27	29.19	20.05	34.26	24.52	
Percentage ...											

## AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 .....in. ....  
 1916-1950 .....in. ....  
 .....in. ....

Type and capacity of gauge .....

\*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

ENTERED TO DAY OF READING!

Earliest year with complete data (D : W : M).....

\*NOTES on years with incomplete or unsatisfactory data:-

Back data 17/1/68

\*Each note to be dated. Continue notes overleaf if necessary.

## METEOROLOGICAL OFFICE,

## RAINFALL 1961-1970

1941-1950

Station WHITELANDS (BURY FARM)No. 15-234012County ESSEX(Old No. 1293/113 <sup>110</sup> notes)

Authority .....

Grid Ref. ....

Altitude ..... ft.

River Basin .....

File not for forwarding TF. .... MWR / m / a Tributary .....

	1961 1941	1962 1942	1963 1943	1964 1944	1965 1945	1966 1946	1967 1947	1968 1948	1969 1949	1970 1950	Means
January ...	2.04	1.93	2.59	1.97	1.40	.84	1.73	3.01	1.55	.85	
February ...	1.80	.75	2.01	1.03	1.63	2.03	1.70	1.34	1.03	3.51	
March ...	3.53	1.93	.32	.28	.97	1.06	3.60	.58	.81	.52	
April ...	1.38	.86	.85	1.57	.95	1.12	1.31	2.07	1.08	1.50	
May ...	1.07	1.98	1.91	.76	2.39	1.34	.66	2.93	1.48	1.48	
June ...	.63	.28	2.32	1.87	1.62	2.91	2.03	1.74	.52	1.51	
July ...	2.71	1.68	1.61	2.74	1.85	3.34	3.45	.97	1.20	2.28	
August ...	4.46	1.89	1.96	2.02	1.55	3.19	.27	3.44	1.15	1.46	
September ...	.47	1.25	1.89	2.81	1.85	1.97	1.68	1.36	1.40	2.58	
October ...	1.33	3.41	1.78	3.97	1.82	1.09	.26	1.69	4.03	.114	
November ...	2.33	2.20	1.89	3.29	.96	2.46	.94	2.14	2.23	3.75	
December ...	1.36	2.42	1.60	1.37	2.67	2.16	2.16	1.15	1.05	1.52	
TOTAL ...	23.46	20.58	21.73	22.98	19.74	23.56	19.79	21.52	18.93	21.34	
Percentage ...											

## AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 .....in.

1916-1950 .....in.

.....in.

Type and capacity of gauge .....

\*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

ENTERED TO DAY OF READING

234012 is number for NGR TL 783135 (1293/4)  
Bury Farm appears to be at NGR TL 786 117

Earliest year with complete data (D : W : M).....

\*NOTES on years with incomplete or unsatisfactory data:-

Backdata recd. 17/1/68

\*Each note to be dated. Continue notes overleaf if necessary.



Station No. 1293/3

RAINFALL at Hatfield Peversal (Bury Farm)

41

County of Essex

Observer W.D. GOLDSMITH Esq.

River Basin 4 - Blackwater

Type of Gauge G.A.

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

File No. F 7840/48

Diameter							5"				
Height							1'				
Altitude							130'				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January							# 1.64	2.69	1.10	1.35	
February							1.70	1.34	1.02	3.01	
March							3.64	.86	.77	.52	
April							1.35	1.85	1.05	1.50	
May							.58	2.02	1.46	1.43	
June							3.34	1.77	.52	1.51	
July							2.14	.89	1.20	2.28	
August							.27	3.48	1.77	1.47	
September							1.68	1.32	1.28	2.71	
October							.26	1.73	4.98	.29	
November							.94	2.10	2.23	3.85	
December							2.16	1.65	1.05	1.51	
TOTALS							19.70 d	21.70 D	18.43 D	21.43 D	

1948 Apr to 30' High, 65' N.E., 10' High 65' N.

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.
1948			HATFIELD PEVERAL	1700'	WSE	HATFIELD PEVERAL	4250'	S.E.

Station No. 1293/3

RAINFALL at Hatfield Peverel (Bury Farm)

51

County of Essex

Observer W. D. Goldsmith, Esq.

River Basin Blackwater - 4

Type of Gauge B.A.

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

File No. E7840/48

Diameter ...	5"											
Height ...	1' 0"											
Altitude ...	130'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	1.82	1.62										
February ...	4.62	.68										
March ...	2.60	3.12										
April ...	2.17	.74										
May ...	2.41	1.24										
June ...	.79	1.50										
July ...	1.32	.63										
August ...	2.55											
September ...	2.42	#										
October ...	.63											
November ...	3.79											
December ...	1.75											
TOTALS ...	26.87	INC										
	D	NP										

1951 House 30' 70' NE; Nissan hut 10' 70' N;  
 1962 House 200' N E; etc. 1293/3 NP incomplete.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference TL 786117

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
				C47 Plot d'47	

County of Essex Observer (W.D. Goldsmith Esq.)

River Basin..... 4 - Blackwater.....

Lord Rayleigh's Farms Incorporated

Type of Gauge..... Redwood (N.D.2)

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

1916-50  
File No. E7848/48

Diameter ...		5"		234	012					5"	
Height ...		1' 0"								1' 5"	
Altitude ...		129'	130							130'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...			1.02	1.34	2.19	3.36	.99	2.17	1.85	2.11	
February ...			.91	2.10	1.78	.50	2.04	2.95	.13	1.78	
March ...			.52	1.73	1.10	.87	1.37	.70	1.56	1.34	
April ...			1.74	.32	.15	1.07	.20	.99	2.33	.38	
May ...			1.56	1.98	4.05	.43	1.02	2.29	.62	2.02	
June ...			2.14	2.30	1.99	1.84	1.68	5.36	.60	1.51	
July ...			2.99	2.80	.38	3.66	2.86	3.17	2.99	2.66	
August ...			1.49	2.77	.82	5.09	1.69	4.31	.63	3.29	
September ...		2.66	2.24	1.18	1.83	2.03	2.89	4.77	.07	4.23	
October ...		2.02	2.39	1.50	3.92	1.42	1.48	2.07	1.77	6.16	
November ...		3.73	.91	3.09	.68	.50	2.78	1.48	3.03	3.93	
December ...		2.14	.70	1.29	1.44	2.03	1.88	2.91	4.30	2.54	
TOTALS ...		INC NP	18.58 D	22.40 D	20.34 D	22.79 D	20.88 D	33.17 D	19.88 D	31.95 D	

1952 Jan-Feb, 2000 ^ further work, at the 293/3 N.P. incomplete

House 40', 150' E, Center 40', 80' N, Tree 30-40', 100-150' S & E

1953 Print

1958 Pond  
1554 House 40' @ 150' E. Conifer Tree 40' @ 80' N Tall Trees 30/40' @ 140'/150' S + E

Deflected 24-360 by  $\theta$  factor. Everyman 80'-80'N True 50'-80'SW  $\rightarrow$  Everyman 60'-90'S  $\rightarrow$  true 25'-45'SE  
New site suggesting 50' SSE reasonable.

904 SSE  
vch  
7/73

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference **TL(52) 783135**

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1954			Hatfield Peroral	1660 yds SSE	Tandling	1666 yds NW.

*Summary of Earlier Records from 10-year Sheets :*

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60