

# RAINFALL AT *Havering-atte-Bower Farm*

Lat. ....

Lon. ....

County of *Essex*

Rain Gauge, by .....

Observer *Benjamin Smith Esq*

*Reading 10-2.*

Diameter ..				5							
Height ....				10							
Altitude ..				341							
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..				1.99	2.28	1.46	3.99	1.17	1.34	.97	
February .				.77	3.04	1.01	2.25	1.28	1.94	1.26	
March ....				1.95	1.79	3.56	1.39	1.13	2.39	3.07	
April .....				1.97	.79	2.33	.80	3.72	3.00	1.77	
May .....				2.19	2.08	.89	2.12	1.97	1.48	1.39	
June .....				5.58	1.09	3.17	2.33	1.67	1.13	3.37	
July .....				5.15	2.47	3.65	1.76	2.00	4.84	4.11	
August ....				3.91	1.88	2.96	1.57	2.27	3.22	2.17	
September ..				2.26	1.48	3.12	2.11	.74	1.69	2.28	
October .....				5.66	1.68	1.30	4.48	3.45	2.18	5.00	
November ..				2.31	1.93	2.80	4.54	2.71	1.22	1.11	
December ..				1.47	2.14	1.04	3.04	3.66	2.16	3.28	
TOTALS ..				35.21	22.65	27.29	30.38	25.77	26.59	29.78	

1903 *Romford Station 3 1/2 miles S*  
*Havering Church 1/2 " W*

RAINFALL at Haverup-atte-Bowen FarmCounty of Essex Observer B SmithleyRiver Basin Thames. Rodgore 2

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

Diameter ...	5										
Height .....	1.0										
Altitude ...	341 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.79	1.52	3.10	3.44	.82	4.02	1.59	1.61	3.07	3.40	
February ...	2.74	1.62	1.91	.83	2.70	2.86	3.86	.97	1.31	2.88	
March .....	1.03	1.90	3.17	2.00	4.63	.94	3.95	1.79	1.18	3.43	
April .....	1.47	1.59	.14	2.68	1.12	1.03	1.71	2.10	3.11	3.80	
May .....	2.09	1.52	1.17	1.87	1.95	2.15	2.02	3.06	2.14	3.4	
June .....	3.13	2.25	3.66	.68	1.05	2.11	2.61	1.34	1.67	1.74	
July .....	2.33	.88	1.86	2.24	1.93	5.27	1.41	5.18	6.24	3.14	
August .....	1.93	1.56	4.57	1.52	1.46	3.44	6.79	5.38	5.33	2.27	
September ..	1.02	1.43	2.12	1.32	1.04	2.09	1.41	1.30	4.46	1.25	
October ...	1.85	3.15	2.14	4.05	1.16	1.87	3.13	3.53	1.77	1.09	
November ..	3.31	3.88	1.91	3.07	2.54	3.41	4.35	1.68	2.32	2.04	
December ...	3.31	4.26	3.24	.82	6.53	5.51	2.89	1.35	2.46	3.93	
TOTALS ...	26.00	25.56	28.99	24.52	26.93	34.70	35.72	29.29	31.06	29.31	
	2	2	2	2	2	2	2	2	2	2	

1910 Vegetables 1 1/2 hgt 2 ft

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	52°		Romford	3 1/2 miles	S	Haverup	1/2 mile	W

RAINFALL at Havering-atte-Bower, EssexCounty of EssexObserver Benjamin Smith Esq.River Basin Chambers Roding &c

(1925) British Am. Rain Gauge, by \_\_\_\_\_

Diameter ...	5											
Height .....	1	0										
Altitude ...	341											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>Mean</del> 1930	
January ...	2.75	2.23	3.25	1.38	2.98	2.01	2.90	1.72	3.70	1.34	2.50	
February ...	.94	.50	2.00	3.09	.73	2.76	3.15	3.25	1.58	.62	.60	
March .....	1.54	1.12	1.61	2.01	.85	1.28	.23	2.17	1.92	.09	1.89	
April .....	4.19	1.72	2.77	1.62	3.27	1.78	4.68	1.97	1.32	1.30	1.99	
May .....	1.75	2.14	.87	2.00	4.22	2.12	1.33	1.24	2.47	1.75	2.91	
June .....	1.61	.45	1.25	.85	2.59	.28	3.76	2.61	2.81	1.22	.77	
July .....	3.79	.30	3.43	1.40	3.45	3.55	2.61	3.31	2.10	2.07	3.05	
August .....	2.19	1.09	2.16	2.56	2.52	2.63	1.28	4.24	2.99	2.19	3.20	
September...	3.38	2.35	2.81	1.78	3.24	2.53	1.75	4.76	.64	.38	2.99	
October .....	1.09	.67	.98	4.84	3.55	3.03	2.58	1.81	3.95	3.30	1.36	
November...	.85	1.86	1.60	2.11	3.17	1.87	4.80	2.25	2.36	5.60	4.30	
December...	2.79	1.17	2.85	2.47	3.20	2.70	.65	3.06	2.78	4.53	2.36	
TOTALS...	26.67	15.60	25.58	26.41	33.77	26.54	29.72	32.39	28.62	24.39	27.92	
	D	D	D	D	D	D	D	D	D	D	D	

1920. VegetablePosition of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_  
Map, 2 miles to 1 inch Series

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

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1925	51° 37'	0° 11' 30"	Romford	3 mi	S.	Havering, 2 mi	W.	



## RAINFALL at Havering-atte-Bower (Fernside)

County of EssexObserver Benjamin Smith, Esq.River Basin Thames-Roding etc. 2.E. W. Smith Esq. (1938)Type of Gauge B.A.Annual Average in. based on years obs. un-weighted. Period of average Ref.  
- 25.8 in. compiled by Mr. Cornish (1938) Ref. 561245/36

Diameter	5.											
Height	1.0.											
Altitude	340.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.83	1.50	1.50	1.53	1.38	3.93	3.71	3.02	4.93	2.15	254.8	
February	2.07	.36	1.29	.24	2.13	1.79	4.35	.70	.97	1.75	156.5	
March	.26	1.50	2.21	2.51	.56	1.40	2.87	.55	1.91	3.31	170.8	
April	4.09	2.66	1.01	2.12	3.50	1.36	3.26	.37	2.96	1.75	230.8	
May	2.99	3.31	1.92	.64	1.33	.34	3.39	2.06	1.85	1.73	195.6	
June	1.57	.78	3.21	1.34	3.73	4.53	3.12	.47	1.47	.78	210.0	
July	3.36	2.54	1.42	.96	.84	3.23	1.93	2.30	4.07	3.83	244.8	
August	4.22	1.49	.66	2.02	1.63	.60	1.73	1.68	3.55	.09	176.7	
September	1.88	2.62	2.61	1.44	3.32	3.58	1.30	2.86	1.57	1.31	228.3	
October	.88	5.92	1.77	1.70	2.60	1.86	1.95	3.16	6.33	3.02	291.9	
November	2.47	1.29	1.27	1.96	3.79	3.74	1.87	3.40	4.22	6.60	306.1	
December	.81	.74	.53	5.97	2.84	2.16	3.98	3.49	1.33	1.30	231.5	
TOTALS	26.43	24.71	19.40	22.47	27.65	28.52	33.46	24.06	35.46	27.62	269.78	KM

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.			Romford	3 m.	S	Havering	1/4 m.	W

Station No. 1263

RAINFALL at Havering - after - Bowens (terrace)

41

County of Essex Observer E. W. Smith, Esq.River Basin Thames - Roding 20-2Type of Gauge B.A.Annual Average in. based on years obs. un-weighted. Period of average Ref." 25.8 in. computed by Mr Cornish (1938) ref. 561 File No. E. 5347/47

Diameter	5"			237	750				5"		
Height	1' 0"								1' 0"		
Altitude	340'								360'	365'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.21	2.40	4.68	1.63		1.57	1.82	4.02	1.06	1.70	
February	2.29	1.23	1.21	.77		2.69	1.08	1.91	.69	3.52	
March	2.91	2.75	.37	.21		1.25	5.08	.69	.70	.76	
April	1.68	.99	1.20	1.42		1.56	1.50	1.70	1.52	2.08	
May	1.50	2.54	1.68	.77		2.47	.85	2.54	2.00	1.83	
June	.81	.19	1.68	2.17		2.73	2.40	3.02	.85	1.57	
July	3.18	1.84	2.22	1.96		2.15	2.85	.76	1.81	3.27	
August	5.43	3.76	2.04	3.36		4.16	.07	5.08	1.41	2.03	
September	.58	1.65	1.96	3.69		2.55	1.42	1.47	.93	3.04	
October	1.16	3.94	2.20	3.44		1.49	.24	1.90	5.58	.45	
November	2.74	2.38	1.97	3.86		3.19	.97	2.26	2.26	4.53	
December	2.35	2.42	1.74	1.35		2.25	2.41	2.02	1.65	1.67	
TOTALS	26.84 D	26.05 D	22.95 D	24.63 D	N.R.	28.06 D	20.79 D	27.37 D	20.42 D	26.45 D	

542. Bowens. 6' high 3' E.W. Vegetables 13' high 6' E.W.

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.
1941			Romford	3m.	S.	Havering	1/4 m.	W.

BRITISH RAINFALL ORGANIZATION

Station No. 1263

RAINFALL at Havering-atte-Bower (Fernside)

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County of EssexObserver E. W. Smith Esq.River Basin Thames-Roding 1 & 2Type of Gauge B.A.Annual Average 26.36 in. based on 35 years obs. un-weighted. Period of average 1920-57 Ref. 1916-52" " 25.8 in. computed by Mr. Cornish (1938) ref. 56/245/36 File No. E5347/47

Diameter ...	5"			237	750						
Height ...	1' 0"										
Altitude ...	360'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.20		1.39	1.04	2.44	3.46	1.47	2.28			
February ...	5.95		1.45	2.24	1.73	.65	3.29	3.10			
March ...	3.21		.33	2.39	1.21	.73	1.48	1.00			
April ...	2.74		2.52	.29	.35	1.18	.24	1.50			
May ...	2.19		1.13	1.36	4.06	.68	1.13	2.25			
June ...	.82		1.47	3.14	2.49	1.90	.69	5.74			
July ...	1.12		3.87	3.13	.52	3.67	3.97	2.80			
August ...	3.42		1.96	3.55	.74	4.50	1.98	3.53			
September ...	2.88		2.06	1.86	2.28	1.86	2.41	4.95			
October ...	.83		4.29	2.08	3.64	1.52	1.95	2.41			
November ...	3.96		1.17	3.49	.92	.84	2.77	1.91			
December ...	1.84		.64	1.48	1.61	2.59	1.65	3.10			
TOTALS ...	31.16		22.28	26.05	21.99	23.37	23.03	34.57			
	D	NR	d	d	d	D	D	D			

1951 Flowers & vegetables 2' 3" 5" 5" 1958 Sept. Engine Roomford up to 0/5 to NW & S.  
 1952 Nonp. K. 24.5.52.  
 1953 Print.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference TC(5) 519931

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
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓