

RAINFALL AT Frome, Orchardleigh

Lat.

Lor.

County of Somerset

Rain Gauge, by

observed by W. A. Duckworth Esq.

L. avon - I.

Diameter	8	8								
Height	10	10								
Altitude	3037	3037								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	MEANS.
January	2.90	1.53	2.96	3.07	3.89	6.69	1.91	.58	5.42	
February00	2.08	5.03	2.73	.13	.62	3.14	2.41	3.55	
March	3.38	.99	.66	2.99	3.00	3.87	3.65	.72	.98	
April76	.65	.13	2.35	2.97	.87	2.79	2.01	3.31	
May	2.77	.79	1.94	1.54	.38	.16	1.34	3.59	2.49	
June	2.90	1.64	1.30	2.69	.88	1.52	2.00	1.91	1.49	
July	2.11	2.03	4.48	4.58	3.44	.71	2.46	.40	.29	
August	6.57	3.97	1.53	2.43	2.94	3.07	4.99	2.12	.96	
September	2.10	3.32	1.90	2.93	.89	6.63	2.63	.97	3.11	
October	10.07	3.87	3.01	4.15	3.46	2.79	1.47	3.89	2.54	
November	3.51	2.22	2.08	7.66	6.44	.62	1.05	3.73	3.91	
December	5.52	1.21	3.69	3.45	2.64	5.03	5.54	3.77	2.27	
TOTALS	42.59	24.30	28.71	40.57	31.06	26.58	32.97	26.10	30.32	

Orchardleigh Church $\frac{1}{4}$ mile S.S.W.

Tree 20ft high 27ft. w.

40 ft. : 71. S.W.

House 25. 27. E

RAINFALL AT Frome Orchardleigh

Lat.

Lon.

County of Somerset

North

Rain Gauge, by 78

Observer Rev. W. A. Duckworth

L. avon - 1.

Diameter ..	8										
Height ..	0 10										
Altitude ..	303 T										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.66	1.96	1.14	4.22	3.51	.55	3.22	.92	1.37	.96	2.351
February ..	5.50	1.12	1.02	2.06	4.41	.56	2.91	1.46	1.26	.50	2.080
March ..	1.73	2.50	1.85	4.58	2.21	4.65	1.71	.78	3.27	3.67	2.695
April ..	1.78	2.13	1.93	3.15	1.64	2.44	1.13	3.33	2.25	1.81	2.159
May ..	1.92	1.44	2.17	3.90	2.90	.25	3.65	3.15	1.80	1.24	2.342
June ..	2.28	1.30	3.24	4.59	1.20	3.64	2.96	2.11	.40	3.04	2.476
July ..	.42	3.55	1.42	3.85	2.65	.44	.99	2.30	2.16	3.12	2.090
August ..	3.09	1.72	4.10	5.75	3.13	3.24	1.52	2.12	4.35	2.81	3.183
September ..	.91	2.07	1.69	2.50	1.90	1.57	.86	.67	2.72	3.21	1.810
October ..	3.16	1.98	2.36	9.75	1.20	1.74	6.44	5.39	1.88	7.50	4.140
November ..	2.63	.65	3.24	2.16	2.17	3.89	3.60	2.67	.95	1.10	2.306
December ..	6.25	6.75	2.37	3.72	2.48	1.00	1.94	4.48	3.10	4.76	3.685
TOTALS ..	33.33	27.17	26.53	50.23	29.40	23.97	32.93	29.38	25.51	33.72	31.215

D D D D D D

Husk

1900 Orchardleigh Church 1/4 mile SSW

Trees 22 + 42 ft high 25470 ft W + SW

House 25 ft high 27 ft E

1903 Frome Station 2 3/4 miles S

RAINFALL at Frome OrchardleighCounty of SomersetObserver Rev W. A. Duckworth

River Basin

Lower Avon

1

Rain Gauge, by N & J

Diameter ...	8										
Height	0 10										
Altitude ...	363 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.14	1.49	5.05	4.84	.97	4.22	1.83				
February ...	4.21	2.39	2.39	1.89	4.56	7.02	5.27				
March73	1.65	5.79	3.22	5.69	1.02	3.79				
April	2.67	1.66	.32	3.43	1.81	1.17	1.10				
May	1.80	1.54	1.23	2.69	1.46	3.63	2.29				
June	4.97	1.65	3.74	.91	1.74	.63	2.89	4.82			
July	2.78	.05	3.53	.37	3.27	4.65	.97				
August	3.90	1.84	7.03	1.15	2.98	2.94	5.24				
September ..	.19	.91	.82	2.68	1.33	1.97	2.08				
October ...	4.37	3.26	5.06	2.88	3.44	4.64	5.58				
November ...	4.06	4.20	1.94	2.97	4.08	2.38	4.72				
December ...	6.67	8.25	6.23	1.94	8.82	7.89	4.17				
TOTALS ...	39.49	28.39	43.12	28.47	40.15	42.16	39.93				
	7	3	7	7	7	7	7				

1910 Frome 24 P.M. high 2-31 W
 46. 65. SW
 Home 25. 27. E

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.15.	2.17.	Frome	2/2 miles	S	Orchardleigh	1/4 mile	SSW

RAINFALL at Orchardleigh Park

County of Somersetshire) Observer. Major A. C. Duckworth

River Basin Lower Avon 1

per S.A. Scorer (1/2000)

(1926) Gloucester Rain Gauge, by

Diameter ...	8									
Height	0.11									
Altitude ...	350		300		320		302		320	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January	3.84	2.23	4.03	3.88	4.06	3.91	6.93	1.34	5.64	
February	4.37	6.18	1.32	5.09	2.49	2.50	2.39	1.85	1.93	
March	2.79	1.77	1.11	1.29	1.52	3.99	2.68	1.18	1.86	
April	3.02	2.25	3.50	1.80	3.46	1.74	1.30	1.90	1.84	
May	1.44	1.29	4.97	5.67	3.68	1.12	1.05	2.14	1.46	
June	1.58	5.0	1.70	1.00	2.76	3.25	2.38	1.12	1.48	
July	2.71	1.51	3.90	11.08	2.20	4.72	2.24	2.09	2.55	
August	4.80	4.33	2.74	2.56	1.69	3.95	3.44	2.51	4.20	
September	1.93	3.01	4.36	3.10	1.35	7.41	1.67	1.41	4.19	
October	1.72	5.20	6.33	3.94	3.93	3.29	5.53	5.22	2.27	
November	2.20	3.58	3.69	2.48	6.68	3.44	4.47	8.75	6.03	
December	4.69	3.41	5.90	11.34	1.70	3.12	3.55	8.44	3.47	
TOTALS ...	34.09	35.26	42.85	37.53	33.84	42.44	37.63	33.95	35.92	

1922. The fall on July 5th is undoubtedly 1.34 making a total of 3.71 for the month. The Observer however says that his daily amounts are correct.

1926. House 20 ft. high 25 ft. E.

Hedge 8 ft. - 36 ft. S. + N.

Low Hedge 2 ft. - 40 ft. S. + N. W.

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
1922			Frome	1 mi	S	Orchardleigh	1/2 mi S

RAINFALL at Orchardleigh Park.

County of Somersetshire

Observer Major A. C. Duckworth

River Basin Lesser Avon - 1

Type of Gauge Glassbox M.O.

Annual Average 37.8 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. S
858206/28

Diameter	8.										
Height	1.0.										
Altitude	320.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.66	4.13	2.63	2.93	1.82	4.90	3.88	1.62	6.23	3.22	35.02
February	2.42	0.08	3.89	1.14	2.75	2.55	7.48	4.15	2.09	3.14	28.69
March	1.65	2.42	3.48	2.77	1.16	3.04	4.03	1.11	1.79	2.82	22.27
April	2.44	3.06	1.17	1.83	5.68	2.47	3.13	1.11	3.91	2.17	25.97
May	2.65	5.08	2.02	1.28	1.53	1.99	1.56	1.94	1.20	2.03	20.28
June	2.21	1.41	1.48	1.49	4.01	3.57	2.98	1.50	3.17	1.61	22.43
July	3.83	5.18	4.00	3.05	1.50	6.75	2.86	4.13	6.35	3.11	39.76
August	5.48	9.2	1.19	2.31	2.02	1.49	1.58	3.70	4.07	1.07	20.83
September	1.63	4.23	2.91	3.11	6.40	4.43	2.62	3.79	1.90	2.30	32.32
October	1.08	6.55	3.33	2.47	5.05	2.42	4.44	7.45	3.87	4.84	41.50
November	5.24	3.23	0.59	1.56	7.85	4.17	2.03	6.02	8.04	10.69	49.42
December	1.36	1.58	0.86	8.82	4.26	4.03	3.41	4.08	2.63	2.11	33.47
TOTALS	31.65	37.87	27.64	31.76	42.03	40.16	41.00	38.60	44.25	37.11	371.96
	D	D	D	D	D	D	D	D	D	D	D

1931. House 20' high 27' E

Hedge 6' " 57' W

" 10' " 39' S

Hedge + house 12' " 42' N

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
1931			Frome	3 mls	SE	Orchardleigh	1/4 mls	S

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 1962

41

RAINFALL at Orchardleigh Park Date Visited 1/68
 County of Somersetshire Observer Major A.C. Duckworth
 River Basin Lower Avon - 1 A. DUCKWORTH, F.R.G.
 Type of Gauge W. Gashier

Annual Average 32.8 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 858206/28

Diameter	8"				414	829			8	
Height	10"		09			1			1'3"	
Altitude	320'		303			41			307	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1950	Means
January	4.12	4.94	6.20	2.39	3.09	(3.54)	6.87	1.10	1.44	
February	3.21	4.4	1.59	1.55	3.72	(1.50)	1.90	1.94	6.41	
March	4.05	1.90	1.08	1.68	1.39	6.46	1.41	1.34	1.72	
April	1.79	1.65	1.10	1.54	1.45	8.57	1.65	1.92	3.05	
May	2.04	5.97	3.20	1.71	3.32	8.88	4.59	3.92	2.44	
June	2.73	2.5	1.41	2.46	4.54	1.90	2.56	1.19	1.98	
July	1.98	2.04	2.53	(2.51)	2.30	2.51	1.98	2.02	5.81	
August	5.64	4.69	3.45	3.44	2.54	.92	4.15	3.09	4.53	
September	1.55	1.73	3.61	(2.84)	3.19	1.69	2.12	1.68	4.28	
October	1.97	1.04	3.81	5.10	5.54	.30	4.94	7.32	1.70	
November	2.02	1.70	2.75	7.36	(.35)	2.53	2.34	3.96	7.74	
December	2.33	4.82	2.44	(3.72)	(6.51)	3.41	6.51	2.14	2.59	
TOTALS	32.43	34.17	33.17	33.30	(37.94)	N.R.	30.21	40.82	30.62	42.69
	D	D	D	D	D		D	D	D	

1941. Trees 20' high 1942 Dwelling House, Trees & Shrub - heights various
 1943. Distance from House 20' other objects 100' N.W.
 1944. July, September & November only.
 Trees 60' high 20' rods W. Cottage 30' high 30' rods E.
 1945 n.p. too much estimation

00514	00034
-------	-------

60004

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.
1941 1944			Frome Frome	3 1/2 m	S.S.W.	Orchardleigh Orchardleigh	Yarn S.

Station No. 1962

51

RAINFALL at Orchardleigh Park

County of Somerset

Observer A. Duckworth Esq.

River Basin. River Avon - 1

Type of Gauge. Glaisher

Annual Average 32.8 in. based on 25 years obs. unweighted. Period of average 1881-1915 Ref. S

File No. 858206/28

Diameter ...	8"				414	829					
Height ...	1' 3"						1				
Altitude ...	307'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.14	3.81	.95	2.30	4.92	5.24	3.25	3.69	6.35	4.01	
February ...	5.42	.83	1.84	4.02	2.06	.20	5.38	4.96	.39	3.01	
March ...	3.73	3.97	1.09	4.65	1.50	1.14	2.76	1.66	4.81	2.34	
April ...	3.19	2.19	2.91	.29	.99	1.50	.36	1.02	2.90	1.92	
May ...	3.40	4.58	2.72	3.43	4.39	.68	2.17	3.35	1.75	1.20	
June ...	1.50	4.11	1.97	4.37	4.10	2.65	1.68	4.82	3.53	3.26	
July ...	1.62	.79	3.85	3.39	.42	2.79	5.47	3.64	2.51	6.54	
August ...	5.92	6.64	2.75	4.25	.29	4.83	3.88	5.01	1.10	3.17	
September ...	3.42	3.81	4.39	3.96	2.22	4.75	4.65	6.53	.15	4.10	
October80	5.24	3.36	3.30	2.43	3.14	3.08	3.89	3.80	8.30	
November ...	10.48	4.67	1.89	7.53	3.81	.72	2.59	2.46	4.62	5.47	
December ...	3.39	3.57	.74	3.34	6.03	4.53	3.52	4.58	8.30	4.77	
TOTALS ...	167.0	44.21	28.46	44.83		32.06	32.07	38.79	45.21	40.27	48.09
	D	d	d	d	9	d	d	d	d	D	D

1951 Trees 20' high at 78° West, house 30' high at 33° E.

1956: A little high, but accept.

1958: No big.

Not worked but glacier back and 95% Period of Ave 1916-50. P1-3. - Rejected.

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference ST (31) 774514

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Frome	2 1/2 m. N.	Lullingstone	3/4 m. E.

Summary of Earlier Records from 10-year Sheets:

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
			c 1922	✓	41-45, 47-50, 47-51 D 41, 50 c 42-45, 47-49	