

# RAINFALL AT Frome, Orchardleigh

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Somerset

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

Observer W. A. Duckworth Esq

L. 1. \_\_\_\_\_

Diameter . . .	8				8						
Height . . . . .	10				10						
Altitude . . . .	303T				303T						
Year . . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .	2.90	1.53	2.96	3.07	3.89	.69	1.91	.58	5.42		
February . . . .	.00	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		
April . . . . .	.76	.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 1/4 mile S.S.W.

Tree 20ft high 27ft. W.

" 40ft " 71 " S.W.

House 25 " 27 " E

# RAINFALL AT Frome Orchardleigh

Lat. ....

Lon. ....

County of Somerset

North

Rain Gauge, by N. J.

Observer Rev W. A. Duckworth

L. avon - 1.

Diameter ..	8										
Height ....	0 10										
Altitude ..	303 I										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.66	1.96	1.14	4.22	3.51	.55	5.22	.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	2.242
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 ..	33.38	27.17	26.53	50.23	29.40	23.97	32.93	29.38	25.51	33.72	31.21

1900 Orchardleigh Church 1/4 mile S.S.W.  
 Trees 22+42 ft high 2547. ft W+S.W.  
 House 25 ft high 27 ft. E  
 1903 Frome Station 2 3/4 miles S

*Hub*

RAINFALL at From OrchardleighCounty of SomersetObserver Rev W. A. DuckworthRiver Basin Lower Avon 1Rain Gauge, by N+3

Diameter ...	8										
Height .....	0 10										
Altitude ...	303 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				
March .....	.73	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	5.05	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				

1910 Tues 24 p high 20 ft W  
 46. 65. S W  
 Home 25. 27. E

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



RAINFALL at Orchardleigh ParkCounty of SomersetshireObserver Major A. C. DuckworthRiver Basin Lower Avon 1

per SA Scorer (1st year)

(1926) Slushers 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	1930	MEANS.
January ...			3.84	2.23	4.03	3.88	4.36	3.91	6.93	1.34	5.64	
February ...			4.37	6.18	.32	5.09	2.49	2.50	2.39	.85	.93	
March .....			2.79	1.77	1.11	.29	.52	3.99	2.68	.18	1.86	
April .....			3.02	2.25	3.50	1.80	3.46	1.74	1.30	.90	1.84	
May .....			.44	1.29	4.97	5.67	3.68	1.12	1.05	2.14	1.46	
June .....			1.58	.50	1.70	.00	2.76	3.25	2.38	1.12	1.48	
July .....			2.71	1.51	3.90	4.08	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	3.40	1.35	7.41	1.67	.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	4.34	.70	3.12	3.55	8.44	3.47	
TOTALS...			34.09	35.26	42.55	37.53	33.82	42.44	37.63	33.95	35.92	

1922. The fall on July 5<sup>th</sup> 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 30 ft. high 25 ft. E.  
Hedge 9 " " 36 " S. & N.  
Low Hedge 2 ft. " " Tall Trees 50 ft. W.

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
1922			Frome	2 mi	S	Orchardleigh	1/2 mi	S

RAINFALL at Orchardleigh ParkCounty of SomersetshireObserver Major A. C. DuckworthRiver Basin Lower Avon - 1Type of Gauge Glaisher M.O.Annual Average 32.2 in. based on 25 years obs. un-weighted. Period of average 1881/1915 Ref. S

858206/23

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	.82	4.90	5.88	1.62	6.23	3.22	35.02
February	2.42	.08	3.89	.14	2.75	2.55	7.48	4.15	2.09	3.14	28.69
March	.65	2.42	3.48	2.77	1.16	3.04	4.03	.11	1.79	2.82	22.27
April	2.44	3.06	1.17	1.83	5.68	2.47	3.13	.11	3.91	2.17	25.97
May	2.65	5.08	2.02	1.28	1.53	.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	.61	22.43
July	3.83	5.18	4.00	3.05	.50	6.75	2.86	4.13	6.35	3.11	39.76
August	5.48	.92	1.19	2.31	2.02	.49	.58	3.70	4.07	.07	20.83
September	1.63	4.23	2.91	3.11	6.40	4.43	2.62	3.79	.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	.059	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	4.37	3.41	4.08	2.63	2.11	33.47
TOTALS	31.65	37.87	27.64	31.76	42.03	40.15	41.00	38.60	44.25	37.11	371.96
	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	4 ml	S

Station No. 1962

RAINFALL at Orchardleigh Park

41

County of Somersetshire

Observer

Major A. D. Duckworth

River Basin Lower Avon - 1

A. D. DUCKWORTH, F.R.S.

Type of Gauge

No. 6. Clincher

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"					4 1/4	8 2/9			8	
Height	10"			0 9			1			1' 3"	
Altitude	320		303				41			307	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.12	4.94	6.20	2.39	3.09		(3.54)	6.87	1.10	.44	
February	3.21	4.4	1.59	.55	3.72		(1.50)	1.70	1.94	6.41	
March	4.05	1.90	1.08	.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	.71	3.32		2.88	4.59	3.92	2.44	
June	2.73	25	1.41	2.46	4.54		1.90	2.56	.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	.55	1.73	3.61	(2.84)	3.19		1.69	2.12	1.68	4.28	
October	1.97	4.04	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	

1941. Tree 20' high 1942 Dwelling House 5 Trees & Shrubs - heights various  
 1943 Distance from House 20' other objects 100' N.W.  
 1944 July, September & November adj. in p. too much esp. (unimproved garden)  
 Trees 60' high 20 yds W. Cottage 30' high 20 yds 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.	Direction from gauge.
1941 1944			From Frome	3 1/2 m	S.S.W.	Orchardleigh Orchardleigh	1/2 m	S.

BRITISH RAINFALL ORGANIZATION



Station No. 1962

## RAINFALL at Orchardleigh Park

51

County of Somerset

Observer A. Duckworth Esq.

River Basin Laver, 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"				4 1/4	8 2/9					
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	4.82	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	1.56	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	2.55	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	
October ...	.80	5.24	3.36	3.30	2.43	3.14	3.08	3.59	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	5.03	4.53	3.52	4.58	8.30	4.77	
TOTALS ...	47.01	44.21	28.46	44.83	32.06	32.07	38.79	45.21	40.27	48.09	
	D	D	D	D	D	D	D	D	D	D	

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

1956:- a little high, but accept.

1958:- np big.

Not worked but glaisher data and % Period of Ave 1916-50. Ref - S. - Revised.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference ST (3) 774514

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			From	2 1/2 m. S.	Salisbury	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 <sup>1/2</sup> P. 24, 50	d 42-45, 47-49