

# RAINFALL AT *Meltham Brow Grains*

80

Lat. ....

Lon. ....

County of *York W.R.*

Rain Gauge, by .....

Observer *C. L. Brook*

*Case - Ave + balance 8.*

Diameter ....											
Height .....						1 0					
Altitude ....						900					
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....							4.66	2.07	1.34	2.60	
February ....							1.55	1.28	.58	2.42	
March .....							3.95	1.95	3.13	3.32	
April .....							4.02	1.56	3.65	3.83	
May .....						2.56	7.40	2.61	1.27	3.24	
June .....						4.51	1.89	.40	3.90	.76	
July .....						1.87	4.01	2.25	8.27	3.72	
August .....						1.70	3.31	1.63	3.93	6.00	
September ....						5.77	3.57	4.38	1.65	3.37	
October ....						7.52	6.25	3.83	2.29	6.56	
November ....						2.97	2.51	2.58	9.56	2.22	
December ....						1.96	7.84	3.31	3.45	3.86	
TOTALS ....							50.96	27.85	43.02	41.90	

# RAINFALL AT *Meltham Brow Grass*

Lat. ....

Lon. ....

County of *York W.R.*

Rain Gauge, by

Observer

*J. Stannan Esq.*

*J. W. Schofield Esq.*

*Case. Air + Glass 8*

Diameter ....	...	8										
Height .....	...	1.0										
Altitude ....	900											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	6.46	4.27	4.71	1.46	5.09	3.33	2.40	1.95	3.76	7.45	4.058	
February ....	.94	.78	2.62	7.03	9.30	.66	2.16	3.74	4.50	2.03	3.376	
March .....	4.50	3.00	1.09	1.39	5.35	4.24	6.89	4.96	1.82	3.07	3.631	
April .....	2.60	2.50	1.72	.87	3.24	3.01	1.77	3.86	3.27	3.63	2.647	
May .....	3.76	4.14	5.15	2.33	2.80	.88	.64	2.19	3.95	3.02	2.886	
June .....	3.38	2.43	4.17	2.35	4.28	3.68	3.66	3.40	3.08	1.58	3.231	
July .....	3.56	3.40	3.60	4.43	3.83	7.78	2.65	1.80	1.45	1.66	3.116	
August .....	5.73	8.88	4.92	2.87	4.94	3.68	2.25	3.75	6.17	3.39	4.658	
September...	2.07	4.34	4.63	4.58	1.11	1.25	8.26	3.85	.62	7.86	3.857	
October.....	4.05	7.38	7.81	3.65	7.27	5.34	6.29	2.32	5.34	3.38	5.353	
November....	7.02	4.50	3.91	4.44	4.05	4.48	1.60	5.57	3.01	1.81	4.039	
December ....	.55	10.97	2.73	6.42	4.17	5.58	5.83	5.09	6.82	3.25	5.141	
TOTALS . . .	44.62	56.59	47.06	41.82	55.43	43.91	44.40	42.48	43.79	42.93	46.303	

# RAINFALL AT *Meltham Down Grains*

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of *York W.R. Central*

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

Observer *J.W. Schofield Esq*

*Use - Air-balder 8*

Diameter ..	8										
Height ....	1 0										
Altitude ..	900 T										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.78	2.81	4.25	5.50	5.08	2.55	6.30	2.04	3.86	3.66	4.283
February ..	4.02	1.72	1.14	5.31	5.88	3.18	4.24	3.26	4.00	3.87	3.662
March ....	.99	4.29	2.88	6.83	2.70	4.91	4.16	3.69	3.98	.78	3.521
April .....	2.75	2.67	2.32	3.01	3.78	3.35	1.87	2.94	2.21	3.28	2.818
May .....	1.73	1.49	3.56	4.26	3.07	.81	3.54	4.72	2.48	4.07	2.973
June .....	4.65	1.61	1.50	1.55	1.04	3.33	2.11	6.57	2.13	2.47	2.696
July .....	3.77	3.86	2.91	5.26	3.32	2.68	2.48	2.51	4.35	3.93	3.507
August ....	6.15	2.03	3.60	5.79	5.03	6.08	3.52	3.74	3.85	6.13	4.592
September ..	1.42	.81	2.92	5.68	1.69	3.36	1.59	1.00	3.32	4.37	2.616
October ....	6.18	3.54	5.22	10.26	1.62	3.99	6.98	7.62	1.92	4.56	5.189
November ..	3.46	6.89	2.40	3.34	3.39	5.57	4.90	3.74	2.73	3.29	3.971
December ..	6.29	5.95	4.33	2.75	3.52	1.29	3.76	4.68	2.80	8.31	4.368
TOTALS ..	48.19	37.67	37.03	59.54	40.12	41.10	45.45	46.51	37.63	48.72	41.106

*H.W.*



RAINFALL at Meltham Brow FarmCounty of W Yorkshre

Observer

J. W. Schofield Esq Edgar Jones Esq  
J. W. Ammitage Esq C.E.River Basin Once Aired Calder 8Gauge, by N 2  
Gage: 796, 796, 798, 795Glass:  
0.05 too low  
up to .20  
above .20  
0.05 too high

Diameter ...	8										
Height .....	10										
Altitude ...	900T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.22	5.60	4.51	4.37	3.07	7.60	5.14	2.87	3.63	5.48	1712
February ...	6.69	1.14	2.01	1.58	4.71	6.08	7.02	.57	7.60	1.55	1674
March .....	3.06	6.41	5.65	7.10	6.05	1.34	3.81	2.24	1.89	5.85	1379
April .....	1.26	.78	1.49	5.07	1.64	2.26	3.21	4.00	1.43	2.19	1083
May .....	5.73	4.34	4.05	3.29	2.40	2.12	2.82	2.35	3.79	2.41	1137
June .....	2.64	.30	4.99	2.85	3.24	1.28	3.61	2.01	2.07	1.71	940
July .....	5.05	4.14	5.93	1.34	3.43	4.26	2.33	1.79	4.23	3.29	1164
August .....	3.60	1.42	8.00	1.98	2.88	5.80	3.33	6.91	1.75	3.82	1581
September ..	5.31	4.86	2.07	2.00	2.84	.63	3.01	2.68	15.07	2.45	2321
October ...	1.58	3.15	4.04	3.10	2.59	1.89	8.65	8.58	3.39	3.89	2421
November ..	5.72	7.17	4.13	4.98	6.00	2.50	4.63	5.63	2.66	4.27	1718
December ...	3.25	4.25	6.05	3.81	8.08	9.42	3.56	2.89	9.19	7.97	2361
TOTALS ...	48.91	43.56	52.92	41.47	46.93	45.18	51.12	42.52	56.69	44.58	19491

+ 28. I. 15 C.S. In sq. iron railed endos. 4 ft high 8 ft sq. by stream which runs in gully 20 ft below & 30 ft S. land rising slightly to N.  
Suggested removal about 120 yds E level place 50 yds N of stream  
4 ft wall 50 ft N. good site.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Meltham Brown FaineCounty of N. R. YorkshireObserver J. W. Arncliffe Esq B.E.River Basin Cuse Aire Calder SHammerfield LWSCopper painted Plain Rain Gauge, by N. J.

Diameter ...	8											
Height .....	10											
Altitude ...	900											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	3.43	9.35	3.08	5.43	3.67	5.99	4.79	4.88	10.68	1.40	6.70	5940
February ...	6.24	.63	6.04	7.23	1.70	8.00	4.36	1.37	6.52	.64	.97	4370
March .....	4.05	3.59	3.89	2.94	1.37	2.08	2.14	5.82	2.61	1.03	2.97	3244
April .....	7.23	1.72	4.50	3.52	2.34	3.48	2.39	4.83	1.43	1.76	3.08	3628
May .....	5.69	2.46	1.60	5.59	6.61	4.24	4.64	1.49	2.75	3.55	2.45	4047
June .....	3.24	.34	3.27	1.09	2.29	.02	3.17	3.99	5.32	1.48	3.41	2762
July .....	8.53	1.93	4.23	5.40	4.22	1.93	3.48	2.91	1.81	1.19	7.90	4353
August .....	3.04	6.62	6.06	4.96	4.35	4.51	4.55	5.85	4.92	5.33	4.93	5512
September...	2.22	1.33	4.97	4.36	5.27	4.07	3.23	6.23	.54	1.42	5.70	3934
October .....	1.88	2.77	1.32	5.35	6.21	5.98	4.23	4.79	5.26	6.29	6.60	5088
November...	2.71	2.41	3.44	8.32	2.85	2.90	5.29	5.35	8.43	8.42	5.38	5550
December...	4.83	8.76	4.29	4.08	5.71	4.20	2.48	1.60	3.37	9.65	3.52	5254
TOTALS...	53.14	41.91	46.69	58.47	46.59	47.40	44.75	49.11	53.04	42.16	53.61	53687

8/28 Inspected by Mr. Colson see Green file.

1930. 8. in 6ft. square iron hurdle fence 6ft. high.

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	Parish Church.	Distance from gauge	Direction
1927			Meltham			Meltham		

RAINFALL at Meltham (Brow Grains)\*County of West RidingObserver J. W. Armitage, Esq., C.E.River Basin Ouse - Aire - Calder - 8.J. P. Burnidge Esq., C.E. (1936)

Type of Gauge.....

Annual Average 45.0 in. based on 44 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S

660601/26

Diameter .....	8.											
Height .....	1.0.											
Altitude .....	900.											
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total	
January .....	6.23	5.77	4.84	4.31	2.43	4.62	6.56	8.08	6.00	(3.06)	5190	
February .....	5.85	51	6.04	20	6.99	3.55	7.02	2.89	5.51	(2.44)	4100	
March .....	.80	3.48	3.80	4.29	2.48	4.27	3.31	1.80	4.02	3.84	3209	
April .....	4.93	5.18	1.43	3.01	4.75	2.40	2.52	.74	3.25	3.48	3169	
May .....	3.54	5.89	2.18	3.41	.89	1.65	2.81	5.32	1.97	.88	2854	
June .....	6.33	.60	3.21	2.60	4.08	5.76	2.45	4.93	3.42	.89	3437	
July .....	4.97	5.21	3.70	3.60	1.87	4.28	3.25	5.88	8.82	4.31	4589	
August .....	7.11	2.56	2.29	3.09	2.27	2.14	1.65	5.66	2.60	2.99	3236	
September .....	5.40	5.41	2.71	2.71	7.63	6.39	2.00	2.57	1.91	5.04	4177	
October .....	2.79	7.79	5.30	5.57	13.10	6.18	3.22	12.65	3.48	5.70	6578	
November .....	7.07	4.41	1.97	3.15	8.12	8.38	2.96	6.48	9.06	9.53	6113	
December .....	2.42	2.31	0.60	6.77	3.59	4.92	2.61	4.97	4.34	4.89	3748	
TOTALS .....	57.44	49.02	38.13	42.71	58.20	54.54	40.36	61.97	54.58	47.05	56400	

\* Gauge in 6ft. square iron hurdle fence, 6ft. high (B.R.) Deleted BR 1936.  
 1940. Jan & Feb. approximated & part estimated for snow. ✓

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	Direction



Station No. 3192

RAINFALL at Meltham (Brow Grains)

41

County of West Riding

Observer J. P. Barendse Esq. C.E.

River Basin Ouse - Aire - Calder - S

Type of Gauge

Annual Average 45.0 in. based on 44 years obs. un-weighted. Period of average 1821-1915 Ref. S

File No. 660601/26

Diameter	8"		078	949							
Height	1' 0"			1							
Altitude	900'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(3.67)	4.63	7.00	8.78	4.56	6.62	4.12	11.44	2.64	3.36	5682
February	6.95	1.18	4.48	2.64	6.28	7.90	1.69	4.16	3.85	7.05	4618
March	5.83	2.90	2.01	.55	1.57	1.88	8.53	2.18	1.65	2.74	2984
April	3.09	3.00	3.23	3.85	3.27	2.07	4.94	3.25	4.79	4.90	3629
May	3.22	4.37	3.65	4.32	4.23	2.01	3.53	2.19	2.82	2.92	3386
June	.79	1.45	3.38	3.29	6.51	3.78	4.30	4.82	.67	2.07	3106
July	1.66	4.61	3.12	2.92	2.26	5.48	2.33	2.26	3.79	3.43	3186
August	8.69	6.17	6.38	5.69	4.71	6.11	.28	5.20	3.29	6.88	5310
September	.59	3.59	4.83	6.18	3.82	7.07	2.73	2.68	1.11	7.08	3998
October	6.06	6.75	3.03	5.26	7.93	1.61	1.18	3.00	4.65	3.00	4247
November	4.05	1.87	4.87	8.95	.81	9.54	8.04	2.10	7.98	7.13	5534
December	3.36	3.89	3.19	5.73	3.63	4.51	5.32	5.24	9.69	2.05	4761
TOTALS	47.96	44.41	49.17	58.76	49.58	58.58	46.99	48.52	47.23	53.31	50451

1941 Jan. end for snow.

1944 n.p. big. etc

40004

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.

BRITISH RAINFALL ORGANIZATION

Station No. 3192RAINFALL at Meltham (Brow Grains)

51

County of West Riding - Yorks

Observer

J. P. Beveridge Esq. C.E.River Basin Ouse - Aire CatchmentType of Gauge Hygier new H.O. IIAnnual Average 45.8 in. based on 44 years obs. un-weighted.Period of average 1881-1915Ref. S49.72 " " 35 " " 1916-1950

File No.

66601/26 P

Diameter ...	8"			078	949							
Height ...	1'0"				1				1'2"			
Altitude ...	900'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	TOTAL
January ...	5.41	6.11	2.22	4.51	3.24	5.82	4.60	5.65	5.74	7.10	50.40	
February ...	4.56	1.90	2.42	3.58	2.31	1.32	3.87	6.75	.51	5.97	33.19	
March ...	6.55	2.41	3.27	3.44	2.79	2.28	3.71	2.80	2.37	2.19	31.81	
April ...	3.63	4.12	4.31	.85	1.93	3.36	.60	1.72	5.63	3.09	29.44	
May ...	4.17	2.29	2.68	3.94	5.66	1.67	1.35	5.15	1.81	3.19	31.91	
June ...	1.35	3.55	4.40	3.85	3.65	3.71	2.15	5.25	2.06	2.17	32.14	
July ...	3.79	1.64	6.46	4.98	1.25	8.16	4.91	6.09	4.03	7.05	48.36	
August ...	5.37	4.58	5.34	6.47	.80	11.29	6.06	4.72	.65	6.98	52.26	
September ...	2.66	4.80	3.55	6.47	2.75	4.75	6.87	5.58	.34	3.50	41.27	
October ...	1.41	6.72	2.53	8.40	3.20	3.18	6.19	5.08	5.21	6.90	48.82	
November ...	11.20	2.73	4.75	8.28	2.26	2.16	3.44	1.39	5.55	8.17	49.93	
December ...	9.24	4.89	2.16	8.59	6.73	5.65	5.26	5.51	9.19	6.23	63.45	
TOTALS ...	59.34	45.74	44.09	63.36	36.57	53.35	49.01	55.69	43.29	62.54	512.98	
		<u>X</u>	<u>X</u>					<u>np</u>	<u>4</u>	<u>X</u>		

1956 Slightly low but accept.  
 1957 MAY 1958 160X. Overcast all days. New g. and temp. wall recommended.  
 1958 np o/e  
 new gauge installed 7/58

11 overexposed (RR 1959-60)

Position of Station on Ordnance One-Inch map :

No. of Map 102National Grid Reference SE 080105

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ np 44	