

RAINFALL AT Chelsham Fairchildes

Lat. _____

Lon. _____

County of Surrey

Rain Gauge, by _____

Observer Mr G. Mansfield

S. Thames. Darent.

at Darnley Bay

| | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| Diameter | | | | | | | | | 5 | | |
| Height | | | | | | | | | 10 | | |
| Altitude | | | | | | | | | 600 | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | | | | | | | | | .62 | 3.40 | |
| February | | | | | | | | | 1.60 | 2.90 | |
| March | | | | | | | | | 1.45 | .75 | |
| April | | | | | | | | | 1.50 | 3.06 | |
| May | | | | | | | | | 3.03 | 1.62 | |
| June | | | | | | | | | 2.04 | 1.20 | |
| July | | | | | | | | | .61 | .74 | |
| August | | | | | | | | | .95 | .98 | |
| September . . . | | | | | | | | | .62 | 3.05 | |
| October | | | | | | | | | 4.00 | 2.30 | |
| November . . . | | | | | | | | | 3.80 | 5.20 | |
| December . . . | | | | | | | | | 3.10 | 2.27 | |
| TOTALS | | | | | | | | | 23.32 | 27.47 | |

1898 Chelsham Church 1 1/2 mile South

House 36 ft high 120 ft E

Wall 7 . . . 18 . . . W

40 yards from the other gauge

RAINFALL AT *Chelsham Fairchildes*

Lat. _____

Lon. _____

County of *Surrey*

Rain Gauge, by _____

Observer *A. J. Daniell Esq*

S. James Dacent

| | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|-------|-------|-------|--------|
| Diameter | | | | | | | | 8 | | | |
| Height | | | | | | | | 10 | | | |
| Altitude | | | | | | | | 600 | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | | | | | | | | | | | |
| February | | | | | | | | | | | |
| March | | | | | | | | | | | |
| April | | | | | | | | | | | |
| May | | | | | | | | | | | |
| June | | | | | | | | | | | |
| July | | | | | | | | | | | |
| August | | | | | | | | | | | |
| September | | | | | | | | | | | |
| October | | | | | | | | | | | |
| November | | | | | | | | | | | |
| December | | | | | | | | | | | |
| TOTALS | | | | | | | | 25.10 | 22.00 | 25.99 | |

Chelsham Church 1 mile S

1898

Shrubs 6 ft high 10 ft

SE

RAINFALL AT *Chelsham Fairchildes*

Lat.

Lon.

County of *Surrey East*

Rain Gauge, by

Observer *a S. Darnell Esq*

S. Darnell Esq

| | | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|--|
| Diameter .. | 8 | | | | | | | | | | | |
| Height | 10 | | | | | | | | | | | |
| Altitude .. | 600T | | | | | | | | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. | |
| January .. | 3.63 | 1.04 | 1.01 | 2.47 | 4.96 | 1.26 | 5.05 | 1.24 | 1.59 | 1.92 | 2.417 | |
| February .. | 5.63 | 1.80 | .85 | 2.00 | 4.41 | 1.00 | 2.67 | 1.73 | 1.42 | (.60) | (2.211) | |
| March | .93 | 2.90 | 2.02 | 2.57 | 1.94 | 4.15 | 1.40 | .97 | 2.97 | (5.12) | (2.437) | |
| April | 1.02 | 1.82 | .75 | 2.10 | 1.10 | 1.82 | .70 | 3.57 | 2.72 | (2.00) | (1.760) | |
| May | 1.14 | 1.79 | 2.45 | 2.62 | 2.22 | .94 | .97 | 1.57 | 1.49 | (3.29) | (1.543) | |
| June | 2.92 | 1.75 | 4.12 | 6.79 | .71 | 5.97 | 3.51 | 2.31 | 3.05 | 3.63 | 3.376 | |
| July | 1.23 | .83 | 1.60 | 4.77 | 1.41 | .84 | .92 | 1.11 | 3.71 | 3.44 | 2.386 | |
| August | 2.97 | 1.99 | 2.72 | 4.51 | 1.64 | 2.66 | 1.05 | 1.98 | 4.31 | 2.40 | 2.623 | |
| September .. | 1.25 | 1.73 | .47 | 2.08 | 1.36 | 2.15 | 2.10 | .50 | 1.72 | 3.81 | 1.717 | |
| October | 1.94 | 2.75 | 1.96 | 7.72 | 2.45 | 1.36 | 4.95 | 3.94 | 2.20 | 5.34 | 3.461 | |
| November .. | 3.20 | .83 | 2.19 | 2.98 | 1.48 | 4.83 | 5.43 | 2.43 | 1.08 | 1.34 | 2.579 | |
| December .. | 3.14 | 4.87 | 1.56 | 2.50 | 3.46 | .68 | 1.98 | 3.54 | 2.25 | 4.20 | 2.818 | |
| TOTALS .. | 27.00 | 24.10 | 21.70 | 43.11 | 27.14 | 27.66 | 30.73 | 24.89 | 28.51 | 34.49 | 29.133 | |

1901 Chelsham Church, 1 mile S W

3/4 Wokingham Station 5/8 S

1904 gauge in open ground - nothing to influence the amount registered

1905 8 Croft Station 6 miles N W

RAINFALL at Chelham FairchildesCounty of SurreyObserver A. J. Daniell EsqRiver Basin Thames-Darent 3Rain Gauge, by 6 in. Blakes

| | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | 8 | | | | | | | | | | |
| Height | 10 | | | | | | | | | | |
| Altitude ... | 600 T | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 2.31 | 1.65 | 3.10 | 4.92 | .88 | 4.93 | 1.48 | 1.36 | 4.59 | 4.33 | 2.955 |
| February ... | 4.24 | 1.59 | 2.71 | 1.22 | 4.59 | 6.66 | 4.77 | .95 | 1.52 | 3.06 | 3.131 |
| March | 1.65 | 1.95 | 4.88 | 4.21 | 5.99 | .68 | 4.95 | 1.78 | 1.20 | 4.56 | 3.185 |
| April | 2.50 | 2.15 | .05 | 4.16 | 1.80 | 1.78 | 1.93 | 2.42 | 4.34 | 3.61 | 2.474 |
| May | 2.23 | 1.64 | 1.21 | 1.47 | 1.85 | 3.34 | 2.95 | 1.97 | 1.72 | .30 | 1.868 |
| June | 3.44 | 2.28 | 3.65 | .32 | 1.22 | .60 | 3.87 | 1.94 | 1.31 | 1.18 | 1.981 |
| July | 3.39 | .40 | 1.50 | 1.79 | 1.90 | 4.17 | 1.46 | 4.88 | 5.41 | 2.32 | 2.722 |
| August | 2.24 | .69 | 6.11 | 1.68 | 1.45 | 2.61 | 3.55 | 6.83 | .66 | 2.74 | 2.856 |
| September .. | 1.36 | 1.04 | 3.85 | 1.51 | .96 | 2.11 | 1.32 | 2.12 | 6.47 | 1.59 | 2.263 |
| October ... | 2.77 | 6.03 | 3.94 | 4.20 | 2.04 | 2.59 | 4.09 | 5.23 | 2.50 | 1.08 | 3.447 |
| November ... | 4.57 | 5.49 | 2.53 | 3.64 | 4.18 | 3.53 | 7.07 | 1.73 | 2.23 | 1.80 | 3.677 |
| December ... | 5.63 | 7.81 | 3.81 | 1.46 | 9.69 | 7.33 | 3.82 | 1.42 | 2.96 | 5.42 | 4.935 |
| TOTALS ... | 36.33 | 33.02 | 37.34 | 30.58 | 36.55 | 40.33 | 41.26 | 32.63 | 34.91 | 31.99 | 35.494 |

1910 Rhododendron 8.10 ft. off

SE

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|------------|---------|-------|------------------------------|--------------------|------------|---------|-----------|------------|
| 710 911 | | | Hayes & Kent Up Wokingham | 5.7 Miles 5 1/2 | S.W. | Chelham | 1 Mile | S.W. |

RAINFALL at

Cheltenham Fairchildes

County of Surrey

Observer

Mr E. Mansfield

for A. J. S. Daniell

River Basin Thames - Darent 3

5"

Rain Gauge, by Howard

| Diameter ... | 5 | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|------|---------|--------|
| Height | 0 8 | | | | | | | | | | |
| Altitude ... | 600 T | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 2.75 | 1.82 | 4.13 | 4.70 | .88 | 5.76 | 1.45 | 1.60 | | 4.10 | |
| February ... | 4.85 | 1.85 | 3.18 | 1.10 | 4.59 | 6.35 | 4.80 | .97 | | 2.62 | |
| March | 1.52 | 2.03 | 4.25 | 3.40 | 6.00 | .61 | 5.22 | 1.65 | | 4.00 | |
| April | 2.50 | 2.37 | .02 | 3.51 | 2.00 | 1.77 | 1.20 | 2.65 | | 3.10 | |
| May | 2.25 | 1.01 | .46 | 1.30 | 2.01 | 2.54 | 2.65 | 1.76 | | (.30) | |
| June | 3.50 | 1.95 | 3.60 | .20 | 1.28 | .28 | 3.35 | 1.70 | | 1.12 | |
| July | 3.18 | .31 | 1.46 | 1.56 | 2.04 | 4.75 | 1.35 | 2.25 | | 2.12 | |
| August | 2.50 | .59 | 5.75 | 1.45 | 1.95 | 2.60 | 3.50 | 6.50 | | 2.70 | |
| September .. | 1.36 | 1.25 | 3.85 | 1.33 | 1.25 | 1.80 | 1.19 | 2.71 | | 1.60 | |
| October ... | 3.15 | 4.65 | 3.35 | 4.10 | 2.04 | 2.04 | 5.70 | 4.70 | | .92 | |
| November .. | 3.75 | 5.50 | 2.70 | 3.36 | 4.25 | 3.40 | 7.05 | 1.80 | | 1.70 | |
| December ... | 4.38 | 7.80 | 3.70 | 1.30 | 9.51 | 7.40 | 3.73 | 1.90 | | 4.70 | |
| TOTALS ... | 35.69 | 31.13 | 36.45 | 27.31 | 37.80 | 39.30 | 41.19 | 30.19 | N.R. | (28.98) | |

1919. Wall 7 ft. 30 ft. W.

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|--------------|---------|-------|-----------------------------|----------------------|------------|------------|-----------|------------|
| 1910 1911 | | | Hargo Kent up Warrington | 5.9 miles 5 1/2 " | SW | Cheltenham | 1 mile | SS |

RAINFALL at Chelsham FairchildesCounty of SurreyObserver Mr. E. Mansfield
for A. J. D. MansfieldRiver Basin Thames - Parent 35th Howard Rain Gauge, by
Sound & correct v.l.b.

| | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|------|-------|-------|--------|-------|-------|-------------------------|
| Diameter ... | 5 | | | | | | | | | | |
| Height | 0 8 | | | | | | | | | | |
| Altitude ... | 600 | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 1930 |
| January ... | 3.48 | 2.80 | 3.80 | 1.80 | | | 3.50 | 3.10 | 4.90 | 1.42 | 3.65 |
| February ... | 1.40 | 2.25 | 3.85 | 4.80 | | | 2.74 | 4.88 | 1.90 | .65 | 1.07 |
| March | 1.04 | 1.73 | 2.40 | 2.10 | | | .28 | 3.62 | 3.00 | .00 | 1.40 |
| April | 3.70 | 1.40 | 4.24 | 2.53 | | | 4.70 | 1.98 | 1.84 | .94 | 1.86 |
| May | 2.00 | 1.50 | 1.70 | 2.32 | | | 1.30 | 1.14 | 2.24 | 2.80 | 4.00 |
| June | .98 | .54 | 1.90 | .53 | | | 4.08 | 3.60 | 3.22 | .92 | .52 |
| July | 5.30 | .20 | 3.91 | 2.90 | | | 1.85 | 2.62 | 1.90 | 2.46 | 2.56 |
| August | 1.19 | 1.75 | 2.34 | 2.40 | | | 3.10 | 4.70 | 3.00 | 2.27 | 4.00 |
| September... | 5.86 | 1.17 | 2.13 | 1.15 | | | 1.54 | 5.77 | .85 | .08 | 4.54 |
| October | 2.10 | .52 | 1.36 | 6.52 | | | 3.18 | 2.04 | 5.82 | 4.45 | 1.59 |
| November... | 2.41 | 1.73 | 2.23 | 2.06 | | | 7.48 | 3.00 | 3.18 | 7.08 | 4.98 |
| December... | 2.90 | 1.90 | 4.95 | 2.89 | | | .50 | (5.00) | 3.55 | 7.60 | 2.36 |
| TOTALS... | 32.36 | 15.49 | 34.81 | 32.00 | NR | 34.81 | 34.25 | 41.45 | 35.43 | 20.17 | 32.53 |
| | | | | | | | | | M. | M. | M. |

Installed 7.5.26. G. situated within 100-200 yds of
8 in. gauge among greenhouses. Very good exposure although
there was some chance of plants sheltered gauge.

1927. Brick wall 7 ft high 12 yds W.

Varieties N.Y.S. 4 yds distance

Dec. corrected for snow.

1928 Wall 5 ft high 10 ft to S. and Wall 4 ft high 25 ft to N.

1930 G. in kitchen garden kept by Gardeners.

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 |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1920 | | | Hayes Kent | 5 mi | | Chelsham | 1 mi | S.W. |
| | | | Up Warlingham | 5 1/2 mi | S.W. | | | |
| | | | Hayes Kent | 5 mi | N.E. | Chelsham | 1 mi | S.W. |

RAINFALL at Chesham (Fairchildes)County of SurreyObserver A. S. Daniell Esq.River Basin Thames Parent 3

Type of Gauge

Annual Average 31.4 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. T.M.S.
31.4 computed by Dr. Condit (1940) Ref. 420017 f 684337/26

| Diameter | 5 | 5 | 8 | 8 | 8 | 8 | 5 | | | | |
|-----------|-------|-------|-------|--------|-------|--------|-------|-------|--------|-------|--------|
| Height | 0 8 | | | 1 0 | | | 0 8 | | 1 0 | | |
| Altitude | 600 | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | 2.28 | 3.15 | 2.40 | 2.99 | 1.43 | 6.08 | 5.70 | 3.34 | 5.23 | 1.91 | 34.51 |
| February | 1.98 | .55 | 2.17 | .40 | 3.87 | 2.40 | 4.98 | .85 | 1.72 | 2.00 | 20.92 |
| March | .27 | 1.58 | 4.21 | 3.19 | .60 | (1.72) | 4.00 | .46 | 1.41 | 3.24 | 20.68 |
| April | 3.79 | 2.59 | .67 | 3.54 | 3.27 | 2.43 | 3.03 | .12 | 2.61 | 2.77 | 24.82 |
| May | 3.06 | 4.33 | 2.83 | .76 | 1.18 | .53 | 2.38 | 2.21 | 1.71 | 1.32 | 20.31 |
| June | 1.61 | 1.16 | 1.62 | 1.35 | 3.43 | 3.43 | 2.48 | .48 | 1.08 | .67 | 17.31 |
| July | 3.28 | 2.80 | 2.02 | (1.80) | 1.17 | 4.42 | .75 | 1.60 | (2.90) | 3.56 | 24.30 |
| August | 4.57 | .77 | .61 | (1.91) | 3.20 | .70 | 1.57 | 2.87 | 4.12 | .04 | 20.36 |
| September | 2.02 | 1.95 | 3.81 | 1.92 | 4.42 | 2.12 | 2.20 | 2.68 | 1.57 | 1.65 | 24.34 |
| October | .83 | 6.71 | 1.64 | 2.60 | 4.44 | 2.63 | 3.28 | 3.75 | 7.34 | 4.34 | 37.56 |
| November | 3.96 | 1.35 | 2.19 | 4.01 | 5.58 | 5.04 | 2.12 | 4.02 | 5.25 | 8.53 | 42.05 |
| December | .84 | .80 | .30 | 7.96 | 4.23 | 3.15 | 5.05 | 3.65 | 1.82 | 1.55 | 29.35 |
| TOTALS | 28.49 | 27.74 | 24.47 | 32.43 | 36.82 | 34.65 | 37.54 | 26.03 | 36.76 | 31.58 | 31.651 |

1932. Gauge in kitchen garden. Very small N and W. a few yards.

1934. ~~Box~~ Box shrub 6'6" high 8' S.W. otherwise open on all sides.

1936. Gauge in open ground - Rhododendrons about 10' E and S.

1937. ~~Box~~ 8 in. gauge 44.03 + gauge apparently working again. D. 132

1940. Kept in a sheltered place between two hot houses.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1932 | | | M Hayes, Kent | 5 mls. | | Chesham | 14 m | S. |

Station No. 73RAINFALL at Chesham (Hainchiden)

41

County of SurreyObserver A. S. Daniell Esq.River Basin Thames - Darent S.

Type of Gauge.....

Annual Average 31.4 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.File No. 684337/26

| | | | | | | | | | | | |
|-----------|-------|------|------|------|------|------|------|------|------|------|-------|
| Diameter | 5" | | | | | | | | | | |
| Height | 1' 0" | | | | | | | | | | |
| Altitude | 600 | | | | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 2.18 | | | | | | | | | | |
| February | 3.35 | | | | | | | | | | |
| March | 3.22 | | | | | | | | | | |
| April | 1.86 | | | | | | | | | | |
| May | 2.48 | | | | | | | | | | |
| June | 2.48 | | | | | | | | | | |
| July | 2.52 | | | | | | | | | | |
| August | 3.92 | | | | | | | | | | |
| September | .61 | | | | | | | | | | |
| October | 1.03 | | | | | | | | | | |
| November | 3.46 | | | | | | | | | | |
| December | 2.45 | | | | | | | | | | |
| TOTALS | 29.56 | | | | | | | | | | |

4.44 No records rec^d for 1942-1948 Sta. Terminated.

| | | | | |
|--------|---------|------------------------------|---------|----------|
| | 1910-19 | 1920-30 | 1931-40 | 1941-50 |
| Record | ✓ | ✓ NR 1924. | ✓ | T 1941 ✓ |
| Doval | ✓ | ✓ Annual but Total only 1925 | ✓ | ✓ |

Position of Station on reduced Ordnance Survey Map, }
1 mile to 1 inch Series

No. of Map.....

Reference No.....

| Date. | Ltd. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge. | Direction from gauge. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| | | | | | | | | |

BRITISH RAINFALL ORGANIZATION