

RAINFALL AT *Kearney Chilton Farm*

Lat. Lon. County of *Kent East*

Symond Rain Gauge, by Observer *H. E. Kilgore Esq. Ch.*

1 - Rothwell *W. C. Hamble Esq. Ch.*

| | | | | | | | | | | | |
|--------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter .. | 5 | | | | | | | | | | |
| Height | 1 6 | | | | | | | | | | |
| Altitude .. | 127 | | | | | | | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January .. | | .81 | 1.70 | 2.79 | 4.43 | 1.00 | 4.77 | .97 | 2.37 | 1.11 | |
| February .. | | 2.08 | 1.61 | 1.49 | 3.08 | .95 | 3.05 | 1.99 | 1.79 | .84 | |
| March | 1.25 | 2.36 | 1.20 | 2.29 | 1.71 | 4.08 | 2.13 | .79 | 2.56 | 4.69 | |
| April | 1.29 | 1.95 | .68 | 2.92 | 1.47 | 2.75 | .99 | 2.42 | 2.13 | 2.07 | |
| May | 1.20 | .95 | 1.94 | 4.69 | 2.34 | 1.59 | 2.34 | 3.31 | 1.17 | .79 | |
| June | 3.47 | 1.20 | 2.19 | 3.58 | 1.00 | 5.69 | 2.44 | 1.94 | 1.65 | 2.94 | |
| July | 1.54 | .83 | 1.65 | 5.00 | 2.03 | .97 | .69 | 2.46 | 3.96 | 3.04 | |
| August | 3.62 | 2.07 | 5.47 | 4.89 | 1.95 | 2.82 | .55 | 1.88 | 3.17 | 2.73 | |
| September .. | 1.13 | 1.37 | .47 | 2.49 | 1.55 | 3.19 | 1.88 | .67 | 2.21 | 3.61 | |
| October | 2.48 | 1.84 | 2.18 | 5.88 | 2.55 | 3.00 | 4.49 | 8.13 | 1.86 | 9.20 | |
| November .. | 5.12 | 1.02 | 2.56 | 3.07 | 1.21 | 5.72 | 7.33 | 2.80 | 1.61 | .88 | |
| December .. | 3.83 | 5.21 | 3.01 | 2.83 | 3.72 | .93 | 3.03 | 3.20 | 3.94 | 5.98 | |
| TOTALS .. | | 21.69 | 24.61 | 41.93 | 27.04 | 32.19 | 33.69 | 30.56 | 28.42 | 37.88 | |

1900 Alkham Church 1 1/4 miles W.S.W

Ewell " " N.E

1907 St Peter River Church 1566 yards E.N.E

Kearney Station 1600 " N.E

Home 30 ft high 55 " N.N.E

Haystack 20 " 21 " N.N.W

> Daily values in bound volume, shelf C3, R.14.

RAINFALL at Kearney (Gilton Farm)County of KentObserver W. C. Hawke Esq. C.E.River Basin Rother + C 15 p.m. Rain Gauge, by

| Diameter ... | 5 | | | | | | | | | | |
|--------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 1' 6" | | | | | | | | | | |
| Altitude ... | 127 π | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 4.22 | 2.56 | 3.03 | 3.70 | .71 | 3.68 | 1.61 | 3.10 | 3.21 | 4.56 | 3058 |
| February ... | 3.34 | 1.67 | 2.77 | 1.15 | 2.89 | 3.78 | 4.32 | .45 | 1.04 | 3.01 | 2442 |
| March | 1.77 | 2.72 | 4.43 | 2.52 | 6.56 | 1.24 | 4.66 | 1.84 | 1.33 | 3.68 | 3065 |
| April | 2.31 | 1.35 | .11 | 3.11 | 1.66 | 2.11 | 1.81 | 2.12 | 1.15 | 3.16 | 1889 |
| May | 3.91 | .80 | .43 | .96 | .95 | 2.98 | 1.69 | 1.20 | 2.24 | .23 | 1539 |
| June | 2.72 | 2.70 | 3.98 | .46 | 2.08 | .46 | 2.98 | 1.97 | .88 | .87 | 1910 |
| July | 2.66 | .40 | 1.28 | 1.86 | 1.84 | 4.05 | 1.31 | 3.69 | 3.77 | 2.46 | 2332 |
| August | 2.94 | .90 | 6.19 | 2.00 | 1.28 | 1.64 | 3.22 | 6.68 | .91 | 1.67 | 2743 |
| September .. | .92 | 1.89 | 3.78 | 2.18 | 1.20 | 3.94 | 1.00 | .94 | 5.58 | 1.16 | 2259 |
| October ... | 4.64 | 7.14 | 3.61 | 3.76 | 3.53 | 4.22 | 5.87 | 4.23 | 2.68 | 1.22 | 4090 |
| November .. | 7.30 | 6.71 | 2.34 | 4.50 | 3.49 | 4.61 | 5.36 | 2.21 | 2.36 | 4.38 | 4326 |
| December ... | 3.94 | 6.57 | 3.32 | 2.03 | 6.39 | 8.03 | 4.25 | 2.41 | 2.46 | 3.79 | 4319 |
| TOTALS ... | 40.67 | 35.41 | 35.27 | 28.23 | 32.78 | 40.74 | 37.98 | 30.84 | 27.61 | 30.19 | 33972 |
| | D | D | D | D | D | D | D | D | D | D | |

1910 House 30 ft high 55 yds NNE

Haystack 20 " 21 yds NNE

1916 Wind Res 10 " 30 ft NE

1910-15 Daily values in bound volume, shelf C4, R 14.

| Date. | Lat. N. | Long. E | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|---------|------------------|-----------|------------|-----------------|-----------|------------|
| 1910 | 51.8.30 | 1.15 | Kearney | 1600 yds | NNE | St Peter's Rect | 1566 yds | E NE |

RAINFALL at Hearsney Chilton FarmCounty of HantsObserver M. B. Smith Esq. C.E.River Basin Pothen & C. 1Mo. Symons Rain Gauge, by _____

Totals

| Diameter ... | 5" | | | | | | | | | | | | |
|--------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|
| Height | 16 | | | | | | | | | | | | |
| Altitude ... | 127 | | | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 M.M.S. | | Mens |
| 38.45 | January ... | 2.40 | 2.97 | 4.96 | 2.16 | 3.29 | 3.85 | 4.42 | 2.79 | 6.28 | 1.63 | 3.70 | 3.49 |
| 28.48 | February ... | .47 | .62 | 2.92 | 4.65 | .90 | 5.57 | 3.50 | 4.81 | 1.41 | 1.10 | 2.53 | 2.59 |
| 20.39 | March | .79 | 1.04 | 3.04 | 2.15 | 1.77 | 2.08 | .50 | 3.72 | 2.54 | .21 | 2.52 | 1.85 |
| 30.56 | April | 2.47 | 1.42 | 3.64 | 2.09 | 3.57 | 4.00 | 4.10 | 2.23 | 3.71 | 1.21 | 2.12 | 2.78 |
| 24.27 | May | 1.53 | .96 | .50 | 4.02 | 3.97 | 3.09 | 1.88 | .62 | 2.05 | 1.68 | 3.97 | 2.21 |
| 21.45 | June | 1.10 | .24 | 2.36 | .71 | 1.90 | .95 | 3.64 | 4.67 | 2.42 | 2.87 | .89 | 1.95 |
| 29.88 | July | 2.95 | .33 | 2.70 | .90 | 4.60 | 3.69 | 1.78 | 6.17 | 1.04 | 1.64 | 4.18 | 2.72 |
| 33.79 | August | 1.97 | 4.11 | 3.19 | 1.52 | 3.61 | 3.20 | 2.05 | 5.46 | 1.80 | 2.83 | 4.05 | 3.07 |
| 29.49 | September... | 2.59 | .97 | 5.05 | 2.24 | 3.57 | 3.40 | .68 | 4.05 | 1.16 | .87 | 4.91 | 2.68 |
| 43.16 | October | 1.47 | .29 | 2.72 | 6.73 | 5.81 | 4.06 | 5.64 | 2.23 | 4.65 | 4.80 | 1.76 | 3.92 |
| 51.67 | November... | 2.14 | 1.99 | 2.31 | 2.30 | 3.71 | 5.60 | 7.57 | 3.96 | 4.14 | 8.02 | 6.90 | 4.20 |
| 51.33 | December... | 3.93 | 2.99 | 4.06 | 4.30 | 5.39 | 6.09 | 1.07 | 6.07 | 4.97 | 8.36 | 4.10 | 4.67 |
| 402.92 | TOTALS... | 23.81 | 17.93 | 37.45 | 33.77 | 42.09 | 45.58 | 36.83 | 46.78 | 42.23 | 34.82 | 41.63 | 36.63 |

1920. Haystack 20 ft high 21 yds N.W.

House 30 " " 55 " " N.N.E.

1926 June 7th. Borough Enquirer reports gauge thoroughly tested & found to be quite sound. Exposure is in a kitchen garden practically surrounded by belts of trees. Several fruit trees recently removed improves the exposure. Observer quite reliable. (f. 689663/26).

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 | Direction from gauge |
|-------|------------|-----------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1920 | 51° 8' 30" | 1° 15' 1" | Hearsney | 1600 yds | N.E. | St. Peter's | 1566 yds | E.N.E. |

RAINFALL at Kearney (Chilton Farm)County of KentObserver W. B. Smith, Esq., C.E.River Basin Rother & C. I.Borough Engineer (1922)Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

| Diameter | 5 | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 1 | 6 | | | | | | | | | |
| Altitude | 127 | | | | | | | 126.5 | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | 3.32 | 2.48 | 3.12 | 3.61 | 2.49 | 5.39 | 6.03 | 5.56 | 4.42 | 3.15 | 4287 |
| February | 3.45 | .90 | 2.55 | .31 | 4.11 | 3.33 | 5.81 | 1.44 | 1.44 | 2.92 | 2629 |
| March | .60 | 1.64 | 2.60 | 3.66 | .23 | 1.14 | 5.83 | .67 | 2.45 | 3.34 | 2246 |
| April | 3.05 | 4.01 | 1.07 | 2.84 | 3.96 | 2.12 | 3.49 | 1.03 | 3.84 | 1.22 | 2663 |
| May | 2.40 | 2.85 | 2.25 | 1.26 | 2.24 | .30 | 3.48 | 3.08 | 1.44 | .76 | 2036 |
| June | .99 | 1.40 | 2.78 | 1.26 | 2.73 | 3.02 | 1.85 | 1.50 | 1.81 | .71 | 1805 |
| July | 3.82 | 5.66 | 1.59 | .98 | .59 | 6.75 | 1.54 | 3.91 | 1.99 | 3.92 | 3075 |
| August | 4.50 | 1.00 | 1.07 | 2.15 | 4.00 | 1.32 | 1.17 | 2.07 | 2.21 | .07 | 1956 |
| September | 1.79 | 2.48 | 6.58 | 1.87 | 4.29 | 4.27 | 3.89 | 2.94 | 2.38 | 2.38 | 3287 |
| October | 1.04 | 9.59 | 2.28 | 2.27 | 4.23 | 3.22 | 2.95 | 4.41 | 13.90 | 4.35 | 4824 |
| November | 5.07 | 1.52 | 2.53 | 2.76 | 7.62 | 5.69 | 1.47 | 4.29 | 4.45 | 8.98 | 4738 |
| December | .91 | .88 | 1.06 | 7.78 | 4.53 | 2.91 | 8.17 | 4.22 | 2.33 | 2.87 | 3566 |
| TOTALS | 30.94 | 34.41 | 29.48 | 30.75 | 41.02 | 39.46 | 46.68 | 35.12 | 49.59 | 34.67 | 3711.2 |
| | D. | D. | D. | D. | D. | D. | D. | D. | D. | D. | 1947 |

1931. Fruit trees & house 30' high 55 yds. N.N.E.

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. | | | Kearney | 1600 yds. | N.E. | St. Peter's, River | 1566 yds. | E.N.E. |

RAINFALL at Kearney (Whiston Farm)

41

County of KentObserver Brough EngineerRiver Basin Roberts & Co.Type of Gauge N.L.O.Annual Average 32.5 in. based on years obs. un-weighted. Period of average Ref As used in G.T. by File No. 689.662.26

| | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| Diameter | 5" | | | | 304 | 880 | | | | | |
| Height | 1' 6" | | | | | 1 | | | | | |
| Altitude | 127' | | | | | 41 | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 3.38 | 3.24 | 4.99 | 2.05 | 3.17 | 2.55 | 2.84 | 4.72 | | | |
| February | 2.75 | 2.41 | 1.92 | 1.66 | 2.46 | 3.64 | 2.45 | 1.59 | | | |
| March | 2.40 | 2.70 | 1.43 | 1.18 | 1.13 | 3.26 | 5.57 | 1.82 | | | |
| April | .98 | 1.10 | 1.97 | 1.69 | 1.74 | 1.76 | 2.07 | 1.24 | | | |
| May | 1.67 | 3.42 | 1.89 | 2.23 | 2.13 | 3.88 | 1.11 | 1.69 | | | |
| June | 1.04 | .17 | 1.60 | 1.44 | .08 | 3.51 | 3.12 | 1.70 | | | |
| July | 4.31 | 2.99 | 2.40 | 2.57 | 2.34 | 3.59 | 1.87 | 2.24 | | | |
| August | 5.06 | 2.95 | 2.41 | 1.75 | 3.45 | 6.16 | .07 | 3.82 | | | |
| September | .29 | 3.10 | 2.44 | 4.19 | 1.60 | 2.47 | 1.30 | 2.88 | | | |
| October | 2.32 | 3.65 | 2.14 | 6.65 | 2.16 | 1.59 | .58 | # | | | |
| November | 3.80 | 3.32 | 3.39 | 6.96 | 1.58 | 5.25 | 2.12 | | | | |
| December | 2.11 | 4.39 | 3.01 | 2.62 | 4.89 | 3.69 | 3.03 | | | | |
| TOTALS | 30.11 | 33.44 | 27.59 | 33.99 | 26.73 | 41.35 | 26.13 | inc. | | | |
| | D | D | D | D | D | D | D | D | | | |

1941. Fruit trees & house 30' high 55' NNE

1949 - Catch low from 1944. Station closed down on 30 Sept. 1948.

| Remarks | 1910-19 | 1920-30 | 1931-40 | 1941-50 |
|---------|---------|---------|---------|-----------|
| | ✓ | ✓ | ✓ | 1 imp. 48 |
| Do. d. | ✓ | ✓ | ✓ | ✓ |

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

No. of Map Reference No. 61-216432

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge. | Direction from gauge. |
|-------|---------|-------|------------------|---------------------|----------------------|-------------------|----------------------|-----------------------|
| 1941 | | | Kearney | 1600' | NE | St. Peter's River | 1566' | ENE |