

RAINFALL AT Itchen Abbas, Chilham

Lat.

Lon.

County of

Hampshire

Rain Gauge, by

Observer

W. J. Arnold.

| | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|-------------|
| Diameter ... | | | | | | | | | | 5 |
| Height | | | | | | | | | | 1 3 |
| Altitude ... | | | | | | | | | | 200? |
| Year ... | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 MEANS. |
| January ... | | | | | | | | | | 1.01 |
| February ... | | | | | | | | | | .50 |
| March | | | | | | | | | | 3.85 |
| April | | | | | | | | | | 1.37 |
| May | | | | | | | | | | 1.23 |
| June | | | | | | | | | | 4.70 |
| July | | | | | | | | | | 2.46 |
| August | | | | | | | | | | 2.15 |
| September .. | | | | | | | | | | 3.29 |
| October ... | | | | | | | | | | 7.36 |
| November .. | | | | | | | | | | .70 |
| December ... | | | | | | | | | | 4.28 |
| TOTALS ... | | | | | | | | | | 32.90 |

1909-12. Received V.14.

Entered 27. XI. 14.

Itchen Abbas Station $\frac{1}{4}$ mile W.

Stichen Abbas,
RAINFALL at Chilmark

County of Hampshire 5
River Basin Stichen & Spithead

Observer W. J. Arnold Esq.

Rain Gauge, by

| | | | | | | | | | | | |
|--------------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|----------|
| Diameter ... | | | | | 5 | | | | | | |
| Height | | | | | 1. 3 | | | | | | |
| Altitude ... | | | | | 200 ? | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 2.71 | 1.31 | 3.06 | 4.65 | .66 | 4.48 | 1.12 | 1.20 | 3.63 | 4.92 | Total 15 |
| February ... | 3.90 | 1.41 | 2.87 | 1.22 | 4.99 | 6.28 | 5.36 | 1.06 | 1.69 | 2.54 | 16-17 |
| March | 1.08 | 2.69 | 4.08 | 3.12 | 4.17 | .78 | 3.15 | 2.11 | .82 | 4.70 | 10.77 |
| April | 2.85 | 1.65 | 2.7 | 3.32 | 1.45 | 1.08 | .81 | 1.99 | 3.09 | 2.24 | 10.65 |
| May | 1.61 | 2.30 | .89 | 2.53 | 1.67 | 4.25 | 1.47 | 2.83 | 1.59 | .45 | 10.78 |
| June | 2.61 | 1.43 | 4.46 | 60 | .59 | 1.36 | 2.02 | 3.70 | 1.29 | .87 | 8.13 |
| July | 1.90 | .01 | 2.12 | | 2.57 | 5.00 | 1.38 | 4.40 | 4.93 | 2.20 | 12.91 |
| August | 2.58 | 1.11 | 6.08 | | 3.20 | 1.89 | 3.93 | 4.87 | 1.44 | 2.90 | 13.14 |
| September .. | 17 | 1.07 | 2.10 | | 1.24 | 3.34 | 2.18 | 1.92 | 5.72 | 3.02 | 12.84 |
| October ... | 3.98 | 3.78 | 4.29 | | 2.07 | 3.48 | 6.01 | 4.07 | 1.28 | .90 | 12.26 |
| November .. | 3.37 | 3.74 | 2.30 | | 3.19 | 2.52 | 4.63 | .67 | 2.61 | 1.92 | 9.83 |
| December ... | 6.54 | 9.13 | 4.53 | | 9.14 | 7.46 | 3.80 | 1.32 | 2.41 | 6.13 | 13.66 |
| TOTALS ... | 33.30 | 29.63 | 37.05 | | 34.94 | 41.92 | 35.86 | 30.14 | 30.50 | 32.69 | 129.19 |

1913 Records July - Dec lost

1909-12. Received V. 14. Entered 27. XI. 14.

1915 apple tree 15 ft high 10 yards N E

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|-------|------------------|----------------|------------|--|-----------|------------|
| 1910 | | | Stichen Abbas | 1/2 m 1/4 m | E W | Between Marton Worby + Stichen Abbas | 3/4 mi | W- |

726
20

RAINFALL at Itchen Abbas Chilmark

County of Hampshire

Observer W. J. Arnold Esq.

River Basin Itchen & Spithead 5-

Howard Rain Gauge, by

| | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| Diameter ... | 5 | | | | | | | | 5 | |
| Height | 1.3 | | | | | | | | 1.3 | 10 |
| Altitude ... | 200 | | | | | | | | 200 | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 MEANS. |
| January ... | 3.68 | 2.99 | 4.48 | 1.72 | 2.55 | 2.88 | 5.06 | 2.52 | 6.45 | 1.42 4.78 32.53 |
| February ... | .50 | .26 | 2.70 | 5.54 | .33 | 5.05 | 2.27 | 4.84 | 2.36 | .97 .88 25.70 |
| March | 2.14 | 1.39 | 2.12 | 1.81 | 1.20 | .58 | .54 | 3.49 | 3.16 | .07 1.56 18.06 |
| April | 3.50 | .80 | 5.32 | 3.07 | 3.22 | 3.28 | 3.17 | 2.16 | 1.85 | .89 2.60 27.86 |
| May | .89 | 1.34 | .94 | 2.10 | 3.31 | 3.27 | 2.17 | 1.10 | 1.80 | 1.90 2.81 21.63 |
| June | 2.75 | .03 | 1.30 | .40 | 2.16 | .00 | 2.42 | 2.87 | 2.13 | 2.03 .43 16.82 |
| July | 3.97 | .16 | 4.83 | 1.27 | 4.27 | 3.97 | 2.41 | 3.94 | 1.45 | 1.63 2.13 31.83 |
| August | 1.26 | 2.33 | 2.54 | 2.52 | 2.80 | 2.44 | 1.14 | 3.93 | 2.50 | 1.90 3.71 27.10 |
| September... | 1.32 | .85 | 1.89 | 2.29 | 5.51 | 2.91 | 1.56 | 6.70 | 1.42 | .27 3.17 27.89 |
| October..... | 3.51 | 1.03 | 1.38 | 5.58 | 4.19 | 3.13 | 2.61 | 2.11 | 6.56 | 4.11 2.06 36.27 |
| November... | 1.61 | 2.38 | 1.91 | 1.60 | 2.63 | 2.38 | 6.83 | 4.00 | 2.53 | 8.81 5.41 40.09 |
| December... | 2.27 | 1.60 | 4.52 | 3.36 | 5.38 | 3.70 | .79 | 3.95 | 3.50 | 6.66 3.45 32.78 |
| TOTALS... | 29.40 | 15.16 | 31.53 | 31.26 | 37.55 | 33.59 | 31.00 | 41.61 | 36.01 | 30.46 32.99 350.56 |

1920. Fruit Trees 15 ft high 10 yds N.E.

Position of Station on reduced Ordnance Survey } No. of Map
May, 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 | | | Glehen Abbas | 1/2 mi | E | Marlby Worthing | 3/4 mi | W |

RAINFALL at Itchen Abbas (Chilland)

County of Hampshire Observer W.J. Arnold, Esq.

River Basin Itchen & Spithead 5

Type of Gauge Standard BA1940

Annual Average in. based on years obs. un-weighted. Period of average Ref.

665995/26

| Diameter | 5 | | | | | | | | | | Totals | Means |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Height | 1 | 3 | | | | | | | | | | |
| Altitude | 200 | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | | |
| January | 2.54 | 2.96 | 2.32 | 3.08 | 1.70 | 5.81 | 7.20 | 3.50 | 5.36 | 2.30 | 3.577 | |
| February | 2.21 | 1.11 | 5.38 | 1.12 | 8.95 | 2.98 | 5.60 | 0.68 | 1.80 | 3.26 | 2.609 | |
| March | 1.31 | 1.76 | 3.71 | 3.72 | 1.66 | 2.55 | 3.29 | 0.27 | 1.30 | 2.89 | 2.046 | |
| April | 3.59 | 3.64 | 1.30 | 2.32 | 3.63 | 1.86 | 2.40 | 0.05 | 1.84 | .98 | 2.161 | |
| May | 2.74 | 4.93 | 1.52 | 1.11 | 1.06 | 1.53 | 2.62 | 1.87 | 1.07 | .52 | 1.790 | |
| June | 2.21 | 2.09 | 3.40 | 1.40 | 4.24 | 2.31 | 1.78 | 0.73 | 1.81 | .34 | 2.031 | |
| July | 3.87 | 3.77 | 2.32 | 2.43 | 2.12 | 4.23 | 1.93 | 3.03 | 4.15 | 3.97 | 3.082 | |
| August | 4.41 | 1.38 | 0.93 | 3.67 | 2.93 | 3.38 | 1.15 | 1.53 | 1.71 | .02 | 1.811 | |
| September | 2.20 | 3.48 | 3.17 | 2.00 | 4.16 | 3.91 | 1.60 | 1.50 | 1.19 | 2.15 | 2.566 | |
| October | 1.61 | 5.08 | 2.87 | 1.56 | 4.97 | 1.61 | 3.93 | 3.29 | 4.87 | 3.85 | 3.234 | |
| November | 3.61 | 2.01 | 0.77 | 2.48 | 6.83 | 3.56 | 2.65 | 4.74 | 6.49 | 8.11 | 4.48 | |
| December | 1.72 | 1.31 | 0.62 | 9.74 | 3.91 | 3.56 | 3.78 | 4.57 | 1.95 | 1.84 | 3.194 | |
| TOTALS | 29.05 | 32.52 | 28.01 | 33.93 | 39.15 | 33.29 | 36.83 | 25.64 | 33.54 | 30.23 | 32.219 | 400 |

1931. Fruit trees 15' high, 10 yds N.E., Corrected for W. W.

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 |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1931. | | | Itchen Abbas | 1/2 m. | E. | Martyn Worthy | 3/4 m. | W. |

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

Station No. 726

RAINFALL at Hitcham Abbas (Gloucestershire).

41

County of Hampshire.

Observer W. J. Arnold Esq.

River Basin Gloucester & Severn 5.

Type of Gauge B.F. Howard

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

30.5 in computed by histogram (1936) File No. 561745/56 b65995/2b.

| Diameter | 5" | | | 328 | 262 | | 8" | 8" | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| Height | 1' 3" | | | | | 1 | 1' 6" | 1' 6" | | | |
| Altitude | 200 | | | | | 41 | | 200' | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 2.30 | 3.24 | 5.63 | 1.83 | 1.60 | 2.52 | 2.54 | 6.26 | 1.25 | .93 | 28.10 |
| February | 2.84 | .48 | 1.56 | .48 | 2.54 | 2.56 | 1.31 | 1.31 | 1.67 | 4.66 | 19.41 |
| March | 3.12 | 2.84 | .53 | .22 | .67 | 1.05 | 6.31 | 1.19 | 1.58 | 1.70 | 19.21 |
| April | 2.10 | 1.83 | .75 | 1.50 | 1.37 | 2.31 | 2.53 | 1.77 | 1.87 | 2.74 | 18.77 |
| May | 1.93 | 3.18 | 3.59 | .47 | 2.14 | 3.80 | 1.27 | 3.31 | 2.96 | 1.71 | 24.36 |
| June | 1.51 | .40 | 1.29 | 2.71 | 2.82 | 3.72 | 1.84 | 2.44 | .40 | 1.30 | 18.43 |
| July | 2.53 | 1.66 | 2.42 | 3.09 | 2.39 | 1.44 | 2.47 | 1.17 | 1.79 | 4.83 | 23.79 |
| August | 4.44 | 3.58 | 1.70 | 1.67 | 2.13 | 4.91 | .55 | 5.29 | 1.21 | 5.82 | 31.30 |
| September | .55 | 2.01 | 1.51 | 2.07 | 2.17 | 4.81 | 1.49 | 2.89 | 1.69 | 3.98 | 23.17 |
| October | 1.48 | 3.65 | 4.05 | 4.39 | 3.73 | 1.37 | 1.04 | 1.94 | 7.75 | .83 | 30.23 |
| November | 3.22 | 2.10 | 1.40 | 4.70 | .21 | 7.40 | 1.61 | 1.52 | 3.64 | 5.91 | 31.71 |
| December | 1.84 | 4.16 | 2.01 | 2.70 | 4.17 | 3.58 | 3.02 | 6.46 | 1.86 | 2.26 | 32.06 |
| TOTALS | 27.86 | 29.13 | 26.44 | 25.83 | 25.94 | 39.47 | 25.98 | 25.55 | 27.67 | 36.67 | 300.54 yds |

1941 Apple tree 15' high 10yds N.E.

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

No. of Map.....

Reference No.....

| Date. | Lati. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|----------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1941 | | | Hitcham Abbas | 1/2 m | E | Martyn Worley | 3/4 m | W |

Station No. 726

51

RAINFALL at ITCHEN ABBAS (CHILTERN)

County of HAMPSHIRE

Observer W. J. ARNOLD Esq.

River Basin ITCHEN and SPITHEAD 5

Type of Gauge ~~8 in.~~ HOWARD 8" M.O. M.R.A.

Annual Average in. based on years obs. un-weighted. Period of average 1916-1950 Ref.

30.5 in computed by Mr Comish (1936) File No. 165.995/26 P
ref 561245/36

| Diameter | 5" | 8" | 8 | 30.5 | 26.2 | | 8" | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 1' 6" | | | | | 1 | | 2' 0" | | | |
| Altitude | 200' | | | | | 51 | | 205' | | | |
| Year | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January | 3.16 | 2.75 | .95 | 1.68 | 3.08 | 4.62 | 2.23 | 3.56 | 3.12 | 3.85 | 29.00 |
| February | 6.25 | .54 | 1.82 | 2.90 | 1.45 | .27 | 3.74 | 2.58 | .11 | 2.57 | 22.23 |
| March | 4.48 | 2.85 | .55 | 3.15 | 1.29 | .83 | 1.81 | 1.63 | 3.43 | 1.23 | 21.25 |
| April | 2.69 | 1.85 | 2.75 | .36 | .38 | 1.31 | .12 | .81 | 3.39 | 1.02 | 14.68 |
| May | 3.28 | 2.97 | 2.30 | 2.17 | 4.18 | .58 | 1.41 | 2.08 | .54 | 1.04 | 20.55 |
| June | 1.09 | 1.33 | 1.98 | 3.00 | 3.33 | 2.01 | 1.29 | 3.34 | .98 | 2.16 | 20.51 |
| July | 2.58 | .34 | 3.43 | 2.92 | 1.20 | 3.12 | 4.27 | 1.57 | 2.27 | 4.26 | 25.96 |
| August | 4.46 | 5.07 | 2.30 | 3.45 | .38 | 3.86 | 2.70 | 2.87 | 2.67 | 4.50 | 32.26 |
| September | 4.31 | 2.71 | 2.68 | 2.83 | 2.21 | 3.35 | 3.02 | 5.11 | .23 | 4.54 | 30.99 |
| October | .65 | 4.64 | 4.68 | 3.15 | 5.26 | 3.33 | 2.50 | 2.77 | 2.61 | 8.86 | 38.45 |
| November | 8.00 | 3.60 | 1.30 | 5.60 | 2.58 | .73 | 2.69 | 2.39 | 3.04 | 5.00 | 34.93 |
| December | 3.04 | 2.64 | .80 | 2.75 | 3.74 | 4.96 | 2.88 | 3.72 | 6.38 | 14.01 | 34.92 |
| TOTALS | 43.99 | 31.29 | 25.54 | 33.96 | 29.08 | 28.97 | 28.66 | 32.43 | 28.77 | 43.04 | 325.73 |
| | D | D | D | D | D | D | D | D | D | D | |

1951. fruit trees 15' high 10gds. N.E.

against 90 - 120 99 81 108 92

Reported 13/11/59 by Mr. J. Hobson. Tunnel leak. New g. rec with overlay. Trees 20°-35° E 80°-130° SSW 60°-60° W-NW

alt 80°-160° SE-E-NE

1960 - New M.O. M.R.A. gauge & tanks were purchased.

526328

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 54(4) 522 322

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|-----------------|---------------------|
| 1951 | | | Itchen Abbas | 1/2 m. | E | Martyn Worthing | 3/4 m. W. |

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 |
|----------------|--|-------------|---------|---------|---------|----------|
| | | ✓ N.Pump 13 | ✓ | ✓ | ✓ | ✓ bnd 44 |