

RAINFALL AT Rockingham Castle  
Northamptonshire

Observer..... John Brown.....

Rain { By.....  
Gauge.....

Diameter..... 5.....in.

Height above Ground,..... ft..... in.

Above Mean Sea Level..... 3000.....ft.

| YEAR.....      | 1867  | 1868  | 1869  | MEANS. |
|----------------|-------|-------|-------|--------|
| January.....   | 2.60  | 2.21  | 3.13  |        |
| February ..... | 1.24  | 1.50  | 1.95  |        |
| March .....    | 2.63  | 1.92  | 1.96  |        |
| April .....    | 1.55  | 1.51  | 2.13  |        |
| May .....      | 3.33  | 5.6   | 5.27  |        |
| June.....      | 1.19  | 3.7   | 1.35  |        |
| July .....     | 2.64  | 0.0   | 5.6   |        |
| August.....    | 2.61  | 3.58  | 2.24  |        |
| September..... | 2.50  | 3.07  | 2.94  |        |
| October .....  | 1.80  | 2.49  | 0.85  |        |
| November.....  | 1.04  | 1.57  | 2.08  |        |
| December.....  | 2.20  | 5.25  | 3.32  |        |
| TOTALS .....   | 25.33 | 24.23 | 27.78 |        |

In kitchen garden about 12 yards from some low forcing houses with ground sloping to SW

## RAINFALL AT Rockingham Castle

*Lat*.....

Lon..... County of Northampton

Rain Gauge, by..... Observer .....

| Diameter ..... | 5     | 5     |       |       |       | 5     |       |       |       |       |        |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height .....   | 1.31  |       |       |       |       | 1.31  |       |       |       |       |        |
| Altitude ..... | 3011. | 400   |       |       |       | 400   |       |       |       |       |        |
| YEAR .....     | 1870  | 1871  | 1872  | 1873  | 1874  | 1875  | 1876  | 1877  | 1878  | 1879  | MEANS. |
| January.....   | 1.38  | 1.04  | 3.41  | 1.50  | 1.91  | 2.77  | 2.65  | 3.52  | 1.58  | 1.93  | 2.149  |
| February.....  | 2.21  | 1.76  | 1.65  | 1.71  | 2.51  | 1.59  | 2.44  | 2.08  | 1.57  | 2.22  | 1.944  |
| March.....     | .84   | 1.34  | 1.76  | 2.04  | .88   | 1.20  | 2.91  | 2.14  | .78   | .78   | 1.464  |
| April.....     | .76   | 3.19  | 3.99  | .97   | 1.23  | 1.67  | 3.19  | 2.84  | 2.04  | 3.38  | 2.326  |
| May.....       | .75   | .88   | 2.03  | 2.47  | 1.08  | 1.67  | .58   | 2.18  | 5.44  | 3.39  | 2.047  |
| June.....      | -71   | 2.79  | 3.94  | 3.66  | .64   | 3.33  | 1.57  | 1.23  | 1.80  | 3.61  | 2.328  |
| July.....      | 1.42  | 3.58  | 3.52  | 2.10  | 1.14  | 8.10  | 1.06  | 2.84  | 1.39  | 3.48  | 2.863  |
| August.....    | 1.97  | -52   | 2.91  | 2.64  | 2.04  | 2.76  | 2.72  | 3.64  | 4.40  | 3.21  | 2.681  |
| September..... | 1.41  | +4.69 | 2.17  | 1.85  | 3.27  | 2.92  | 4.80  | 1.56  | 1.09  | 3.08  | 2.684  |
| October.....   | +3.36 | 1.59  | 4.01  | 2.28  | 2.38  | 5.65  | 1.64  | 1.21  | 2.24  | .50   | 2.486  |
| November.....  | 1.38  | 1.04  | 3.66  | 2.23  | 2.73  | 4.41  | 3.16  | 2.65  | 3.42  | 1.26  | 2.594  |
| December.....  | 2.32  | 1.16  | 3.72  | .56   | 2.27  | 1.32  | 5.83  | 2.29  | 1.63  | .93   | 2.203  |
| TOTALS .....   | 18.57 | 23.58 | 36.77 | 24.01 | 21.88 | 37.39 | 32.55 | 28.18 | 27.38 | 24.77 | 24.802 |

# RAINFALL AT Rockingham Ga.<sup>80</sup>

Lat.....

Lon.....

County of Northampton

.....

Rain Gauge, by.....

Observer.....

M. D. &amp; G. W.

R.D. 5

Mr H. Watt

|                 |       |       |       |       |       |       |       |       |       |       |        |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter .....  | 5     |       |       |       |       |       |       |       |       |       |        |
| Height .....    | 1.0   | 3.0   |       |       |       |       |       |       |       | 2.6   |        |
| Altitude .....  | HOL   |       |       |       |       |       |       |       |       |       |        |
| Year .....      | 1880  | 1881  | 1882  | 1883  | 1884  | 1885  | 1886  | 1887  | 1888  | 1889  | MEANS. |
| January .....   | 3.5   | 3.80  | 2.17  | 2.88  | 2.01  | 1.48  | 3.47  | 3.34  | .61   | 1.14  | 2.125  |
| February .....  | 2.26  | 1.42  | 1.57  | 3.46  | .72   | 2.50  | 3.9   | .58   | 3.27  | 2.13  | 1.830  |
| March .....     | 1.57  | 2.10  | 1.40  | 2.00  | 1.40  | .92   | 2.28  | 1.78  | 3.38  | 2.33  | 1.916  |
| April .....     | 1.67  | 1.21  | 3.65  | 2.43  | 1.78  | 2.07  | 1.59  | 1.11  | 2.20  | 2.97  | 2.068  |
| May .....       | 1.73  | .98   | 2.27  | 1.63  | 2.01  | 2.45  | 4.58  | 1.82  | 1.04  | 4.66  | 2.317  |
| June .....      | 3.07  | 2.32  | 3.02  | 2.36  | 1.11  | 3.39  | 1.34  | 1.33  | 1.48  | .54   | 1.996  |
| July .....      | 6.76  | 2.17  | 1.75  | 3.18  | 3.51  | .50   | 4.00  | .66   | 4.61  | 2.29  | 2.943  |
| August .....    | 1.25  | 5.33  | 1.85  | 1.01  | 2.21  | 2.89  | 1.34  | .90   | 3.04  | 2.66  | 2.248  |
| September ..... | 3.85  | 1.62  | 2.48  | 5.39  | 1.35  | 3.02  | 1.68  | 1.66  | 1.44  | 2.25  | 2.474  |
| October .....   | 6.48  | 3.16  | 5.89  | 1.83  | 1.06  | 5.47  | 3.59  | 1.85  | .70   | 2.98  | 3.301  |
| November .....  | 1.95  | 2.80  | 3.52  | 4.23  | 1.50  | 3.63  | 3.57  | 2.26  | 2.98  | .98   | 2.742  |
| December .....  | 1.80  | 3.01  | 3.83  | .35   | 1.77  | .90   | 4.66  | 1.07  | 1.64  | 1.71  | 2.074  |
| TOTALS .....    | 32.74 | 29.92 | 33.40 | 30.75 | 20.43 | 29.22 | 32.49 | 18.36 | 26.39 | 26.64 | 28.034 |

1881 Rockingham  $\frac{1}{4}$  mile N.E.

# RAINFALL AT Rockingham Castle

Lat.....

Lon.....

County of Northampton

Rain Gauge, by .....

Observer .....

Mr H. Watt

Mr. J. St. Brown

R. P. S

| Diameter .....  | 5     |       |       |       |       |       |       |       |       |       |        |  |  |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
| Height .....    | 3 0   |       |       | 4.4   |       |       |       |       |       |       |        |  |  |
| Altitude .....  | 400 L |       |       | 300   |       |       |       |       |       |       |        |  |  |
| Year .....      | 1890  | 1891  | 1892  | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |  |  |
| January .....   | 2.21  | 1.50  | 1.51  | 1.53  | 1.58  | 2.31  | 1.08  | 2.65  | 1.02  | 3.30  | 1.869  |  |  |
| February .....  | .90   | .09   | 1.96  | 2.43  | 1.69  | .21   | .51   | 3.21  | .83   | 1.85  | 1.368  |  |  |
| March .....     | 1.81  | 1.13  | 1.22  | .23   | .90   | 1.97  | 2.06  | 3.11  | 1.54  | 1.48  | 1.545  |  |  |
| April .....     | .57   | 1.60  | .80   | .36   | 1.16  | 1.63  | .88   | 1.84  | 2.45  | 2.26  | 1.356  |  |  |
| May .....       | 2.13  | 2.82  | 1.75  | 2.01  | 1.53  | .41   | .46   | 1.01  | 3.38  | 2.82  | 1.832  |  |  |
| June .....      | 1.33  | 2.34  | 1.75  | .68   | 2.21  | .76   | 2.11  | 2.17  | .92   | 1.10  | 1.537  |  |  |
| July .....      | 2.48  | 2.79  | 2.19  | 2.31  | 2.95  | 2.61  | 2.30  | .79   | .96   | 1.51  | 2.089  |  |  |
| August .....    | 2.20  | 3.81  | 1.92  | 1.96  | 2.10  | 1.78  | 2.47  | 4.69  | 3.75  | 1.38  | 2.606  |  |  |
| September ..... | .89   | .77   | 2.68  | 1.13  | 1.45  | .58   | 4.99  | 2.77  | .38   | 4.23  | 1.987  |  |  |
| October .....   | 1.72  | 5.31  | 3.91  | 2.38  | 2.62  | 1.70  | 3.59  | 1.34  | 2.75  | 2.77  | 2.809  |  |  |
| November .....  | 3.83  | 2.57  | 1.23  | 1.59  | 2.99  | 4.43  | 1.05  | 1.10  | 2.17  | 1.73  | 2.269  |  |  |
| December .....  | .64   | 3.55  | 1.19  | 1.38  | 1.89  | 2.19  | 4.04  | 2.98  | 2.32  | 1.78  | 2.196  |  |  |
| TOTALS .....    | 20.71 | 28.28 | 22.11 | 17.99 | 23.07 | 20.58 | 25.54 | 27.66 | 22.47 | 26.21 | 23.462 |  |  |

## RAINFALL AT Rockingham Castle

Lat.

Lon.

County of Northampton

Rain Gauge, by

Observer Mr W Nobes

Mr G Kemp (C.A.M.)

R.D.W.5.

| Diameter ..   | 5     |       |       |       |       |      |      |      |      |      |        |           |
|---------------|-------|-------|-------|-------|-------|------|------|------|------|------|--------|-----------|
| Height ....   | 4 4   |       |       |       |       |      |      |      |      |      |        |           |
| Altitude ..   | 300 L |       |       |       |       |      |      |      |      |      |        |           |
| Year ....     | 1900  | 1901  | 1902  | 1903  | 1904  | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |           |
| January ..    | 3.69  | 1.19  | .90   | 2.26  | 2.58  | 1.04 |      |      |      |      |        | .81       |
| February ..   | 5.19  | 1.74  | 2.27  | .95   | 3.07  | .51  |      |      |      |      |        | .63       |
| March .....   | .87   | 2.49  | 1.10  | 3.07  | 1.90  | 3.02 |      |      |      |      |        | 2.73      |
| April .....   | 1.22  | 2.58  | 1.65  | 1.99  | 1.42  | 1.70 |      |      |      |      |        | 2.35 1.28 |
| May .....     | 1.53  | 1.88  | 2.30  | 2.98  | 1.45  | .88  |      |      |      |      |        | 1.01 .62  |
| June .....    | 1.91  | 2.68  | 2.44  | 2.53  | .84   | 2.31 |      |      |      |      |        | .78 2.94  |
| July .....    | 3.31  | 3.01  | 1.31  | 2.82  | 2.63  | 61   | .32  |      |      |      |        | .97 3.29  |
| August .....  | 4.21  | 1.31  | 3.53  | 4.04  | 3.66  |      | .64  |      |      |      |        | 2.76 2.49 |
| September ..  | .67   | 1.36  | 3.57  | 3.38  | 2.01  |      |      | 1.58 |      |      |        | 54? 2.45  |
| October ..... | 1.85  | 2.45  | 2.18  | 7.20  | .77   |      | 4.68 |      |      |      |        | 1.42 3.16 |
| November ..   | 2.77  | 1.00  | 2.10  | 1.83  | 1.22  |      | 4.37 |      |      |      |        | .50 .70   |
| December ..   | 4.71  | 4.37  | 1.26  | 1.25  | 1.66  |      | 2.45 |      |      |      |        | 1.48 2.24 |
| TOTALS ..     | 31.93 | 26.06 | 24.61 | 34.30 | 23.21 |      |      |      |      |      |        | 23.44     |

D

D

1900 Rockingham Church 500 yards N

apple tree 4' 6" high 15 ft S + W

1903 Rockingham 1 mile N

## RAINFALL at Rockingham Castle Gardens

County of Northamptonshire

Major  
Observer

C. A. Markham Esq.

River Basin Welland 5

m.g.t.m.b.  
m.s.o.n.l.c.h.k.  
m.a.e.h.g.o.t.t

Rain Gauge, by

| Diameter ... | 5     |       |       |       |       |       |      |      |       |       |        |  |
|--------------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|--------|--|
| Height ..... | 4.4   |       |       |       |       |       |      |      |       |       |        |  |
| Altitude ... | 300 L |       |       |       |       |       |      |      |       |       |        |  |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916 | 1917 | 1918  | 1919  | MEANS. |  |
| January ...  | 2.00  | .95   | 3.89  | 4.13  | 1.26  | 2.28  | 1.54 | 2.07 | 1.84  | 5.05  |        |  |
| February ... | 1.78  | 1.20  | 1.46  | 63    | 1.41  | 2.83  | 5.30 | .71  | 1.09  | 3.18  |        |  |
| March .....  | .46   | 1.44  | 2.86  | 3.54  | 2.68  | 1.41  | 5.92 | 1.83 | 1.50  | 4.12  |        |  |
| April .....  | 1.41  | .79   | .10   | 2.63  | .77   | .77   | .59  | 1.64 | 2.76  | 2.44  |        |  |
| May .....    | 1.86  | 2.31  | 2.10  | 1.26  | 1.42  | 2.04  | 1.81 | 2.00 | 2.25  | 1.31  |        |  |
| June .....   | 1.01  | 1.85  | 3.89  | .70   | 2.47  | 1.26  | .69  | 3.63 | .30   | 1.06  |        |  |
| July .....   | 1.86  | .29   | 5.02  | 1.18  | 1.80  | 4.53  | 1.12 | .98  | 2.52  | 3.28  |        |  |
| August ..... | 1.84  | 2.03  | 7.35  | 1.22  | 2.15  | .83   | 3.31 | 5.93 | 1.46  | 2.55  |        |  |
| September .. | .67   | 1.38  | 1.18  | 2.15  | .43   | 1.83  | 1.05 | .81  | 4.78  | 1.80  |        |  |
| October ...  | 1.86  | 2.28  | 2.67  | 3.08  | 3.36  | 1.88  | 2.58 | 3.22 | 1.44  | 1.33  |        |  |
| November ..  | 3.46  | 2.77  | 1.39  | 2.64  | 2.48  | 2.69  | NO   | .93  | 2.53  | 2.55  |        |  |
| December ... | 6.11  | 4.78  | 3.13  | .92   | 5.55  | 3.57  | NO   | .57  | 2.46  | 4.75  |        |  |
|              | 24.38 | 22.07 | 35.04 | 24.08 | 25.78 | 25.92 |      |      | 24.53 | 33.42 |        |  |
| TOTALS ...   | D     | D     | D     |       |       |       |      |      | D     | D     |        |  |

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church,    | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|------------|-----------|------------|
| 1919  |         |       | Rockingham       | 1/4 mi    | N.         | Rockingham | 1 1/2 mi  | N.         |

## RAINFALL at Rockingham Castle Gardens

County of Northamptonshire

Observer Mr. A. E. Higgett

River Basin Welland 5-

(1926) C means.  
Mr C means for Rev W Watson

Rain Gauge, by

| Diameter ... | 5-    |       |       |       |       |       |       |         |       |       |   |   |       |
|--------------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|---|---|-------|
| Height ..... | 4.0   |       |       |       |       |       |       |         |       |       | 1 | 2 |       |
| Altitude ... | 410   |       |       |       |       |       |       |         |       |       |   |   | 450   |
| Year .....   | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927    | 1928  | 1929  |   |   | 1930. |
| January ...  | 2.52  | 2.52  | 3.97  | 1.41  | 2.57  | 1.31  | 2.85  | 2.18    | 3.19  | 1.49  |   |   | 2.93  |
| February ... | .95   | .98   | 2.26  | 4.64  | .62   | 2.65  | 2.56  | 2.61    | 1.61  | .81   |   |   | 1.13  |
| March .....  | 2.68  | .72   | 1.75  | 1.96  | .80   | 1.05  | .57   | 2.30    | 2.18  | .11   |   |   | 1.64  |
| April.....   | 5.26  | 1.26  | 3.24  | 1.78  | 2.99  | 1.81  | 1.91  | 1.86    | .69   | 1.15  |   |   | 3.37  |
| May .....    | 1.62  | 1.57  | .97   | 1.12  | 3.06  | 3.64  | 1.60  | 1.46    | 1.21  | 1.31  |   |   | 2.69  |
| June .....   | 1.42  | .81   | .94   | .47   | 2.48  | .01   | 1.51  | 4.49    | 2.99  | 1.42  |   |   | 1.04  |
| July .....   | 3.21  | .23   | 4.29  | 3.33  | 2.47  | 1.78  | 1.99  | 2.21    | 1.45  | 1.75  |   |   | 3.22  |
| August ..... | 1.49  | 2.69  | 5.09  | 1.81  | 2.27  | 1.07  | .90   | 5.65    | 2.23  | 1.07  |   |   | 2.54  |
| September... | 1.73  | .90   | 2.18  | 2.68  | 2.86  | 3.17  | 1.74  | 4.18    | .57   | 1.18  |   |   | 3.60  |
| October..... | 1.48  | 1.81  | .91   | 3.71  | 4.61  | 3.08  | 2.12  | 2.05    | 2.98  | 3.12  |   |   | 1.31  |
| November...  | 1.60  | 1.75  | 1.49  | 1.59  | 2.43  | 2.30  | 3.53  | 3.09    | 3.38  | 5.62  |   |   | 2.82  |
| December...  | 2.71  | 1.34  | 2.93  | 2.87  | 2.89  | 2.44  | .71   | (2.14)  | 2.75  | 4.83  |   |   | 2.30  |
| TOTALS...    | 26.67 | 15.98 | 30.22 | 27.37 | 30.05 | 24.31 | 21.99 | (33.22) | 25.23 | 23.86 |   |   | 28.59 |
|              | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0       | 0     | 0     |   |   | 0     |

1920. Store Room 21 ft high 30 ft N.E.

1927. Dec. corr. for snow

1929. Greenhouse 8' high 5 yds E.

1930. Greenhouses 12' high 3 yds E.

G. read 9 am in winter.

8 .. .. summer.

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 |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1920  |         |       | Rockingham       | 1/4 mi              | N         | Rockingham     | 1/4 mi              | N.        |

31

**RAINFALL at Rockingham Castle Gardens**

County of..... Northamptonshire.

Observer ..... Mr. C. Mears.

River Basin..... Welland - 5.

## The Head Gardener.

Type of Gauge.....

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

Ref. 856658 | 28

|           |       |       |       |       |       |      |      |      |      |      |       |
|-----------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|
| Diameter  | 5.    |       |       |       |       |      |      |      |      |      |       |
| Height    | 1.0.  |       |       |       |       | 1    | 6    |      |      |      |       |
| Altitude  | 450.  |       |       |       |       |      |      |      |      |      |       |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January   | 1.47  | 1.21  | 1.20  | 1.90  | 44    |      |      |      |      |      |       |
| February  | 3.09  | .51   | 2.84  | .37   | 1.60  |      |      |      |      |      |       |
| March     | .33   | 1.58  | 2.68  | 1.33  | .41   |      |      |      |      |      |       |
| April     | 3.22  | 3.41  | .68   | 1.83  | 2.98  |      |      |      |      |      |       |
| May       | 2.25  | 4.54  | 1.42  | .81   | .97   |      |      |      |      |      |       |
| June      | 2.12  | .47   | 1.40  | .76   | 4.40  |      |      |      |      |      |       |
| July      | 2.58  | 4.17  | 2.34  | 1.26  | .54   |      |      |      |      |      |       |
| August    | 3.52  | 1.63  | .72   | 1.56  | 1.26  |      |      |      |      |      |       |
| September | 3.33  | 3.84  | 2.20  | 1.66  | 3.25  |      |      |      |      |      |       |
| October   | .69   | 3.14  | 2.47  | .90   | 2.52  |      |      |      |      |      |       |
| November  | 3.37  | 2.39  | 2.13  | 2.81  | 4.49  |      |      |      |      |      |       |
| December  | .70   | .56.  | .45   | 7.36  | 3.82  | #    |      |      |      |      |       |
| TOTALS    | 26.67 | 27.45 | 20.53 | 22.55 | 26.68 | N.R. |      |      |      |      |       |

1931. Greenhouse 14 ft. high 10 ft. E.

\* Printed with footnotes - Reporting to N.N.H.S.

1934. Cottage. 15' high 20' N.E.  
Wall 8' .. 30yds S.

1940. Station terminated as no returns received since 1936

*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<br>from gauge | Direction | Parish Church. | Distance<br>from gauge | Direction |
|-------|---------|-------|------------------|------------------------|-----------|----------------|------------------------|-----------|
| 1931  |         |       | Hockingham       | 1 mi.                  | N.        | Hockingham     | 1/4 mi.                | N.        |