

Rainfall at Rothamstead, St Albans**50**

(Small Gauge)

J. B. Lawes

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, ft.

J. Thame - Soane - Brent.

| YEAR - - | 1853 | 1854 | 1855 | MEANS. |
|--------------|------|-------|-------|--------|
| January - - | | 1.65 | .13 | |
| February - - | .82 | .66 | .87 | |
| March - - - | 1.67 | .32 | 1.72 | |
| April - - - | 2.46 | .34 | .23 | |
| May - - - | 1.36 | 3.76 | 2.31 | |
| June - - - | 3.08 | .52 | 1.31 | |
| July - - - | 4.14 | .68 | 6.49 | |
| August - - | 2.60 | 2.57 | 2.25 | |
| September - | 1.66 | .50 | 1.29 | |
| October - - | 2.99 | 1.86 | 4.55 | |
| November - | 1.66 | 1.13 | 1.91 | |
| December - | .18 | 1.31 | 1.35 | |
| TOTALS - | | 15.30 | 24.59 | |

C C 24.24

22.62

Rainfall at Rothamstead, St Albans
 (Large Gauge)

J. B. Lawes

6ft 8in □

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, ft.

2-Shafts - Colne & Brent,

| YEAR - - | 1853 | 1854 | 1855 | MEANS. |
|--------------|------|-------|-------|--------|
| January - - | | 2.02 | .60 | |
| February - - | 1.63 | .95 | 1.03 | |
| March - - - | 2.37 | .51 | 2.32 | |
| April - - - | 2.99 | .50 | .41 | |
| May - - - | 1.68 | 4.38 | 2.32 | |
| June - - - | 3.10 | .76 | 1.82 | |
| July - - - | 4.49 | .86 | 6.97 | |
| August - - | 2.97 | 2.69 | 2.63 | |
| September - | 2.01 | .78 | 1.50 | |
| October - - | 3.66 | 2.29 | 5.50 | |
| November - | 2.05 | 1.53 | 2.47 | |
| December - | .41 | 1.58 | 1.73 | |
| TOTALS - | | 18.85 | 29.30 | |

c c c

27-66

RAINFALL AT Marpethen Rothayfield No 1

Lat..... Lon..... County of Westm.

Rain Gauge, by..... Observer J. B. Lewis Esq.

2 - Thames - Colne & Brent

| Diameter | 5 | | | | | | | | | | |
|----------------|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 1 2 9 | | | | | | | | | | |
| Altitude | 420ft | | | | | | | | | | |
| YEAR | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | MEANS. |
| January..... | 4.31 | 3.77 | 1.78 | 3.01 | 1.59 | 4.82 | 1.73 | 2.46 | | | |
| February..... | 1.37 | 1.19 | 1.62 | 1.77 | 2.79 | 1.98 | 1.77 | 3.74 | | | |
| March..... | 1.75 | 1.90 | 1.00 | 1.75 | 2.42 | 2.52 | 1.88 | 1.09 | | | |
| April..... | 1.51 | 1.54 | 2.00 | 1.38 | 3.24 | 2.68 | 4.01 | 2.61 | | | |
| May..... | 2.89 | 1.54 | 1.14 | 2.52 | 1.76 | 2.79 | 4.89 | 3.45 | | | |
| June..... | 3.17 | 1.63 | 1.53 | 3.15 | 1.33 | 1.39 | 2.47 | 5.49 | | | |
| July..... | 2.66 | 2.48 | 2.82 | 5.06 | 1.43 | 3.23 | 6.44 | 4.17 | | | |
| August..... | 2.15 | 2.51 | 1.66 | 1.99 | 2.88 | 2.56 | 4.87 | 6.47 | | | |
| September.... | 1.21 | 2.21 | 3.48 | 2.45 | 1.59 | 1.53 | 1.41 | 3.07 | | | |
| October..... | 1.53 | 2.61 | 3.05 | 5.13 | 1.37 | 1.90 | 2.99 | 7.76 | | | |
| November.... | 3.91 | 1.81 | 2.10 | 3.95 | 3.99 | 5.15 | 4.73 | 7.71 | | | |
| December.... | 3.85 | 1.59 | 1.61 | 1.90 | 5.80 | 2.28 | 1.57 | 1.78 | | | |
| TOTALS..... | (23.5) | (21.64) | 33.31 | 22.72 | 23.29 | 30.06 | 32.14 | 32.83 | 31.96 | 34.17 | 34.17 |

C

1877 Jan 1st gauge lowered to 9 inches above ground

1870 + 1871 = Shalbans, Morehampton

MET.O.B. RAINMASTER
RETROSPECTIVE SITE REVIEW

276537

NOR: T2(52) 132134

ALTI: 420 ft = 128 meters Date of review: 17.6.1980

RAINFALL AT Harpenden Rothamstead

Lat.....

Lon.....

County of Herts.....

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

Observer

D^r S. T. Gilbert

2- Thames Colne & Brent.

| Diameter..... | 640 ⁷ / ₁₀ | | | | | | | | | |
|----------------|----------------------------------|-------|-------|-------|------|------|------|------|------|--------|
| Height..... | 2 | | | | | | | | | |
| Altitude..... | 420 | | | | | | | | | |
| YEAR | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | MEANS. |
| January..... | 4.68 | 4.02 | 1.92 | 3.53 | | | | | | |
| February..... | 1.47 | 1.34 | 1.70 | 1.13 | | | | | | |
| March..... | 2.15 | 2.05 | .62 | .80 | | | | | | |
| April..... | 1.63 | .63 | 2.12 | 1.44 | | | | | | |
| May..... | 2.89 | 1.66 | 1.19 | 2.53 | | | | | | |
| June..... | 3.09 | 1.75 | 1.60 | 3.20 | | | | | | |
| July..... | 2.89 | 2.64 | 2.79 | 5.20 | | | | | | |
| August..... | 2.29 | 2.73 | 1.73 | 1.06 | | | | | | |
| September..... | 1.36 | 2.41 | 3.54 | 2.61 | | | | | | |
| October..... | 4.67 | 2.84 | 3.12 | 5.34 | | | | | | |
| November..... | 3.87 | 1.99 | 2.25 | 4.11 | | | | | | |
| December..... | 4.04 | .72 | 1.72 | 1.14 | X | | | | | |
| TOTALS..... | 35.03 | 24.66 | 24.30 | 32.09 | | | | | | |

1875 "It is believed that there was for a considerable time period some leakage from the meter of this old gauge & that part of the deficiency which it shows compared with the new gauge may be due to that cause; this old gauge has, moreover, a less sharp & exact rim than the new"

RAINFALL AT Harpenden & Rothamstead No 2

Lat.....

Lon..... County of Hertford.....

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

Observer J. B. Lawes.....

2. Thames, Colne & Brent.

| Diameter..... | 72x87 | | | | | | | | | | |
|----------------|-------|------|------|------|--------|-------|-------|-------|-------|-------|--------|
| Height | 9 | | | | | | | | | | |
| Altitude..... | 420 | | | | | | | | | | |
| Year | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | MEANS. |
| January..... | | | | | 1.94 | 3.99 | 1.81 | 4.99 | 1.75 | 2.85 | |
| February..... | | | | | 1.75 | 1.17 | 3.05 | 2.10 | 1.80 | 3.80 | |
| March..... | | | | | .69 | .87 | 2.90 | 2.55 | .98 | 1.18 | |
| April..... | | | | | 2.16 | 1.56 | 3.33 | 2.76 | 4.09 | 2.79 | |
| May..... | | | | | 1.19 | 2.74 | .78 | 2.82 | 4.98 | 3.48 | |
| June..... | | | | | 1.59 | 3.53 | 1.35 | 1.43 | 2.50 | 5.55 | |
| July | | | | | # 2.52 | 2.83 | 5.66 | 1.46 | 3.28 | .66 | 4.24 |
| August..... | | | | | 2.65 | 1.76 | 1.10 | 2.98 | 2.60 | 4.98 | 5.93 |
| September..... | | | | | 2.34 | 3.70 | 2.80 | 5.02 | 1.53 | 1.46 | 3.13 |
| October..... | | | | | 2.81 | 3.32 | 5.90 | 1.52 | 1.95 | 2.99 | .82 |
| November.... | | | | | 2.01 | 2.44 | 4.43 | 4.21 | 5.16 | 4.54 | .82 |
| December.... | | | | | .71 | 1.88 | 1.19 | 6.00 | 2.28 | 1.60 | .82 |
| TOTALS..... | | | | | 25.25 | 34.94 | 34.41 | 33.45 | 32.33 | 35.41 | 36.04 |

1879 Aug 2nd gauge overflowed.MST.O.B. RAINMASTER
RETROSPECTIVE SITE REVIEW

276540

NGR: TQ (52) 132134

ALT: 420 ft or 128 metres. Date of review 17.6.1980

276537

80

RAINFALL AT *Rothamstead* *Hertfordshire*

Lat. _____

Lon. _____

County of *Herts*

Rain Gauge, by _____

Observer *Maurice Lawes & Gilbert*

2. *James Colne & Sons.*

| Diameter | 5" | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 9 | | | | | | | | | | |
| Altitude | 420T | | | | | | | | | | |
| Year | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS. |
| January | 55 | 1.12 | 1.55 | 3.28 | 2.55 | 2.94 | 2.80 | 2.20 | .81 | 1.19 | 1.899 |
| February | 2.88 | 3.33 | 1.99 | 4.28 | 1.38 | 2.84 | .55 | .90 | .89 | 1.80 | 2.084 |
| March | 1.09 | 2.11 | 1.48 | .76 | 1.64 | 1.19 | 1.44 | 1.63 | 2.98 | 1.80 | 1.612 |
| April | 2.14 | .97 | 3.82 | 1.43 | 1.74 | 2.81 | 1.88 | 1.12 | 2.02 | 2.39 | 2.032 |
| May | .71 | 1.38 | 2.01 | 1.84 | .61 | 2.82 | 4.16 | 2.25 | 1.23 | 4.90 | 2.191 |
| June | 1.94 | 1.62 | 3.90 | 2.16 | 2.46 | 2.71 | 1.15 | .68 | 4.75 | 1.21 | 2.258 |
| July | 5.22 | 1.73 | 2.03 | 4.16 | 2.40 | .35 | 2.38 | .69 | 3.75 | 5.59 | 2.833 |
| August | 1.02 | 5.70 | 2.06 | .78 | 1.56 | 1.56 | 1.13 | .94 | 3.23 | 2.08 | 2.006 |
| September | 5.69 | 2.09 | 2.21 | 3.94 | 2.11 | 4.31 | 1.43 | 3.02 | .87 | 2.36 | 2.803 |
| October | 5.88 | 2.93 | 6.47 | 2.48 | 1.64 | 4.72 | 3.91 | 1.57 | .97 | 3.57 | 3.414 |
| November | 2.87 | 3.45 | 3.29 | 3.46 | 1.87 | 3.73 | 2.71 | 3.34 | 4.37 | 1.14 | 3.023 |
| December | 3.45 | 4.33 | 3.03 | 1.07 | 3.06 | 1.21 | 4.17 | 1.53 | 1.61 | 1.39 | 2.485 |
| TOTALS | 33.44 | 30.76 | 33.87 | 29.64 | 23.02 | 31.19 | 27.71 | 19.87 | 27.48 | 29.42 | 28.640 |

1880. Harpenden Church, $\frac{3}{4}$ mile N.
1883 Harge 16ft high 400 ft N.E. 60° E.

WEATHER RAINMASTER
RETROSPECTIVE

276537

REG: TL(52) 132134

420 ft = 128 metres. Date of review 17.6.80

276538

80

RAINFALL AT Harpenden Rothamstead No. 3

Lat. Long. County of Herts

Snowdon Rain Gauge, by Pastorelli

Observer Messrs Lawes and Gilbert

2. Shallow, Copper & Brass.

| Diameter | 8 | | | | | | | | | | |
|-----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 0.9 | | | | | | | | | | |
| Altitude | 420 ft | | | | | | | | | | |
| Year | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS. |
| January | 1.55 | 1.07 | 1.42 | 3.19 | 2.51 | 2.88 | 2.96 | 2.22 | .80 | 1.16 | 1.876 |
| February | 2.90 | 3.35 | 1.89 | 4.18 | 1.31 | 2.73 | .54 | .89 | .97 | 1.81 | 2.057 |
| March | 1.13 | 1.99 | 1.38 | .75 | 1.59 | 1.30 | 1.42 | 1.64 | 2.97 | 1.77 | 1.594 |
| April | 2.16 | .92 | 3.71 | 1.40 | 1.69 | 2.76 | 1.83 | 1.10 | 2.03 | 2.36 | 1.996 |
| May | .74 | 1.28 | 1.95 | 1.77 | .58 | 2.73 | 4.08 | 2.22 | 1.21 | 4.85 | 2.141 |
| June | 1.96 | 1.53 | 3.79 | 2.10 | 2.43 | 2.68 | 1.14 | .67 | 4.74 | 1.28 | 2.232 |
| July | 5.26 | 1.67 | 1.05 | 4.03 | 2.34 | .35 | 2.31 | .71 | 3.59 | 5.58 | 27.79 |
| August | 1.07 | 5.47 | 1.97 | .71 | 1.51 | 1.52 | 1.12 | .95 | 3.14 | 2.02 | 19.48 |
| September | 5.86 | 2.01 | 2.15 | 3.83 | 2.05 | 4.19 | 1.38 | 2.99 | .86 | 2.31 | 27.63 |
| October | 5.94 | 2.84 | 6.39 | 2.38 | 1.60 | 4.64 | 3.77 | 1.57 | .96 | 3.51 | 33.60 |
| November | 2.92 | 3.23 | 2.29 | 3.35 | 1.86 | 3.65 | 2.62 | 3.27 | 4.34 | 1.12 | 29.66 |
| December | (3.46) | 4.16 | 3.07 | .92 | 2.96 | 1.20 | 4.12 | 1.54 | 1.57 | 1.36 | 24.36 |
| TOTALS | 33.95 | 29.58 | 32.91 | 28.61 | 22.43 | 30.63 | 27.29 | 19.77 | 27.18 | 29.13 | 281.42 |

MET.O.B. RAINMETER
RETROSPECTIVE SITE REVIEW

276538

NGR: TL(52) 132134

Elev. 420 ft. sec. 128

metres. Date of review 17.6.80

276540

80

RAINFALL AT Harpenden Rothamstead No 2

Lat.

Lon. County of Herts

Rain Gauge, by

Observer Messrs Lawes & Gilbert

2. Shallow Colne Brook.

| Diameter | 72 x 67 | | | | | | | | | | |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|
| Height | 9 | | | | | | | | | | |
| Altitude | 420 T | | | | | | | | | | |
| Year | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS. |
| January | 55 | 1.14 | 1.57 | 3.30 | 2.56 | 2.99 | 3.44 | 2.39 | .95 | 1.29 | 2.018 |
| February | 2.90 | 3.70 | 2.02 | 4.34 | 1.42 | 2.85 | .61 | .95 | 1.03 | 1.95 | 2.177 |
| March | 1.13 | 2.15 | 1.57 | .89 | 1.66 | 1.46 | 1.59 | 1.76 | 3.12 | 1.89 | 1.722 |
| April | 2.16 | 1.00 | 3.92 | 1.48 | 1.79 | 2.88 | 1.96 | 1.19 | 2.14 | 2.47 | 2.099 |
| May | .74 | 1.38 | 2.07 | 1.89 | .64 | 2.88 | 4.24 | 2.35 | 1.28 | 5.00 | 2.247 |
| June | 1.97 | 1.63 | 3.93 | 2.23 | 2.50 | 2.76 | 1.23 | .71 | 4.87 | 1.38 | 2.321 |
| July | 5.26 | 1.76 | 2.09 | 4.21 | 2.44 | .38 | 2.42 | .79 | 3.85 | (5.67) | 2.887 |
| August | 1.07 | 5.82 | 2.07 | .85 | 1.59 | 1.59 | 1.22 | 1.04 | 3.38 | 2.18 | 2.081 |
| September | 5.86 | 2.17 | 2.29 | 3.99 | 2.19 | 4.39 | 1.51 | 3.11 | 1.03 | 2.44 | 2.898 |
| October | 5.94 | 3.05 | 6.52 | 2.49 | 1.70 | 4.82 | 3.94 | 1.69 | 1.09 | 3.62 | 3.486 |
| November | 2.92 | 3.48 | 3.44 | 3.52 | 2.05 | 3.77 | 2.77 | 3.41 | 4.45 | 1.21 | 3.102 |
| December | 3.47 | 4.38 | 3.28 | 1.16 | 3.06 | 1.33 | 4.21 | 1.66 | 1.69 | 1.46 | 2.570 |
| TOTALS | 33.97 | 31.66 | 34.77 | 30.35 | 23.60 | 32.10 | 29.14 | 21.05 | 28.88 | (30.56) | (29.608) |

1880. Harpenden Church, nearly 3/4 mile, nearly N.

1889 July 12 Gauge overflowed, mean of 5in & 8in gauges adopted

MET.O.B RAINMASTER
RETROSPECTIVE SITE REVIEW

NGR:

T2 (52) 132 134 276540

ALT:

420 ft = 128 metres. Date of reading 17.6.80

RAINFALL AT Harpenden Rothamstead No 1

Lat.

Lon.

County of

Herts

Rain Gauge, by

Observer

Mrs Lewis & Gilbert

2- Thames Colne & Bent

| Diameter | 5 | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 0 9 | | | | | | | | | | |
| Altitude | 420 T | | | | | | | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | 2.94 | 2.12 | .85 | 1.91 | 2.26 | 2.11 | 1.06 | 1.84 | .76 | 2.79 | 1.864 |
| February | .75 | .04 | 1.30 | 3.45 | 1.89 | .18 | .57 | 2.74 | 1.01 | 2.33 | 1.126 |
| March | 2.75 | 1.69 | 1.05 | .35 | 2.12 | 1.83 | 3.62 | 3.94 | .99 | .80 | 1.911 |
| April | 1.22 | 1.44 | .73 | .22 | 1.67 | 1.44 | .88 | 1.77 | 1.36 | 2.61 | 1.284 |
| May | 1.34 | 3.84 | 1.32 | 1.20 | 1.98 | .65 | .45 | 1.63 | 2.73 | 2.64 | 1.728 |
| June | 2.36 | 1.80 | 2.49 | .95 | 1.95 | .43 | 2.09 | 2.59 | 1.52 | 1.48 | 1.766 |
| July | 4.49 | 2.28 | 2.90 | 2.92 | 2.35 | 4.96 | 1.21 | .44 | 1.38 | 1.18 | 2.411 |
| August | 2.42 | 3.94 | 3.62 | 2.28 | 3.49 | 3.85 | 2.78 | 3.08 | 1.08 | 1.01 | 2.755 |
| September.... | 1.11 | 1.20 | 2.37 | 1.09 | 2.10 | .97 | 7.66 | 2.29 | .52 | 2.36 | 2.147 |
| October..... | 1.48 | 6.66 | 3.87 | 4.35 | 3.33 | 2.51 | 3.87 | .86 | 2.75 | 3.60 | 3.928 |
| November.... | 2.64 | 2.17 | 2.00 | 2.58 | 4.82 | 4.70 | 1.29 | .97 | 2.32 | 3.68 | 2.717 |
| December.... | .42 | 4.05 | 1.59 | 2.51 | 2.08 | 2.14 | 4.05 | 3.26 | 2.82 | 1.36 | 2.428 |
| TOTALS | 23.92 | 30.83 | 24.09 | 23.81 | 30.04 | 25.77 | 29.53 | 25.41 | 19.24 | 25.84 | 25.848 |

MET-O-B RAINMASTER
RETROSPECTIVE SITE REVIEW

276537

NGR: TQ (52) 132134

ALT: 420 m 128 metres Date of review: 17.6.80

276538

RAINFALL AT Hazelden Rothamstead No 3

Lat.

Long.

County of

Herts

Rain Gauge, by

Observer Mrs Lawes & Gilbert

2-Thame Colne Great

| Diameter | 8 | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 0 9 | | | | | | | | | | |
| Altitude | 420 T | | | | | | | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | 2.86 | 2.10 | .83 | 1.90 | 2.26 | 2.12 | 1.02 | 1.91 | .74 | 2.65 | 1.839 |
| February | .74 | .05 | 1.29 | 3.50 | 1.87 | .17 | .53 | 2.73 | .99 | 2.26 | 1.413 |
| March | 2.71 | 1.68 | 1.05 | .35 | 2.07 | 1.78 | 3.50 | 3.93 | .99 | .77 | 1.883 |
| April | 1.23 | 1.42 | .71 | .22 | 1.60 | 1.40 | .85 | 1.74 | 1.31 | 2.49 | 1.297 |
| May | 1.34 | 3.33 | 1.31 | 1.20 | 1.95 | .64 | .44 | 1.59 | 2.64 | 2.57 | 1.701 |
| June | 2.33 | 1.80 | 2.45 | .96 | 1.91 | .40 | 2.10 | 2.53 | 1.48 | 1.46 | 1.742 |
| July | 4.41 | 2.24 | 2.89 | 2.89 | 2.27 | 4.86 | 1.17 | .42 | 1.37 | 1.16 | 2.368 |
| August | 2.38 | 3.85 | 3.61 | 2.31 | 3.46 | 3.78 | 2.70 | 2.97 | 1.05 | 1.01 | 2.712 |
| September.... | 1.12 | 1.26 | 2.31 | 1.06 | 2.03 | .96 | 7.56 | 2.20 | .51 | 2.32 | 2.193 |
| October..... | 1.45 | 6.57 | 3.80 | 4.33 | 3.29 | 2.48 | 3.75 | .82 | 2.66 | 3.56 | 3.271 |
| November.... | 2.58 | 2.14 | 1.96 | 2.58 | 4.78 | 4.64 | 1.24 | .93 | 2.20 | 3.54 | 2.659 |
| December | .39 | 4.05 | 1.58 | 2.50 | 2.06 | 2.14 | 4.12 | 3.20 | 2.78 | 1.27 | 2.409 |
| TOTALS . . . | 23.54 | 30.49 | 23.79 | 23.80 | 29.55 | 25.37 | 28.98 | 24.97 | 18.72 | 25.06 | 25.429 |

MET. O. O. RAINMASTER
RETROSPECTIVE SHEET REVIEW

276538

NGR: TL(52) 132134

ALT: 420 It m 128 metres. Date of record 17.6.80

RAINFALL AT Harpden Rothamstead No 2

Lat.

Long.

County of

Herts

Rain Gauge, by

Observer

Mr. Lawes Gilbert

2. Thames. Below a Bent

| Diameter | 72 x 87 | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | M. MEANS. |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|
| Height | 0 9 | | | | | | | | | | | |
| Altitude | 420 T | | | | | | | | | | | |
| Year | | | | | | | | | | | | |
| January | 2.94 | 2.25 | 1.01 | 2.05 | 2.38 | 2.23 | 1.12 | 2.03 | .79 | 2.96 | 1.976 | |
| February | .82 | .09 | 1.48 | 3.62 | 1.96 | .19 | .59 | 2.92 | 1.10 | 2.44 | 1.521 | |
| March | 2.78 | 1.76 | 1.22 | .42 | 2.19 | 1.91 | 3.75 | 4.20 | 1.06 | .87 | 2.016 | |
| April | 1.31 | 1.50 | .79 | .25 | 1.71 | 1.47 | .95 | 1.91 | 1.44 | 2.73 | 1.106 | |
| May | 1.37 | 3.46 | 1.40 | 1.22 | 2.07 | .69 | .48 | 1.72 | 2.89 | 2.81 | 1.811 | |
| June | 2.40 | 1.89 | 2.56 | 1.00 | 2.01 | .45 | 2.25 | 2.73 | 1.61 | 1.58 | 1.848 | |
| July | 4.56 | 2.34 | 3.00 | 3.00 | 2.40 | 5.13 | 1.26 | .47 | 1.45 | 1.27 | 2.488 | |
| August | 2.51 | 4.03 | 3.69 | 2.38 | 3.68 | 4.04 | 2.91 | 3.24 | 1.21 | 1.09 | 2.878 | |
| September.... | 1.20 | 1.89 | 2.46 | 1.14 | 2.21 | 1.06 | 8.08 | 2.44 | .60 | 2.46 | 2.304 | |
| October..... | 1.57 | 6.77 | 3.99 | 4.46 | 3.45 | 2.69 | 4.13 | .96 | 2.89 | 3.75 | 3.466 | |
| November.... | 2.76 | 2.25 | 2.06 | 2.93 | 4.98 | 4.96 | 1.39 | 1.05 | 2.44 | 3.76 | 2.858 | |
| December.... | .56 | 4.13 | 1.63 | 2.63 | 2.18 | 2.34 | 4.42 | 3.50 | 3.01 | 1.41 | 2.581 | |
| TOTALS . . . | 24.78 | 31.86 | 25.29 | 25.10 | 31.22 | 27.16 | 31.33 | 27.17 | 20.49 | 27.13 | 27.153 | |

N.G.R.: TL(52) 132134

276537

RAINFALL AT Harpenden Rothamstead Nor

Lat. Lon. County of Hert.

Rain Gauge, by

Observer, Sir J. Gilbert

2. Thames, Colne & Bent.

(Lavers Agric. Trust) J. A. Voelcker Esq.

a. m. t. l. l. g. f.

| Diameter .. | 5 | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Height | 0 9 | | | | | | | | | | |
| Altitude .. | 420 T | | | | | | | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MRENS. |
| January .. | 3.54 | 1.02 | .78 | 2.51 | 3.43 | 1.29 | 4.04 | 1.24 | 1.48 | .87 | 2020.0 |
| February .. | 4.82 | 1.19 | 1.24 | 1.05 | 3.33 | .95 | 2.28 | 1.45 | 1.33 | .87 | 1801 |
| March | .95 | 2.39 | 1.47 | 3.40 | 1.45 | 3.49 | 1.54 | 1.29 | 3.41 | 3.42 | 2281 |
| April..... | 1.33 | 2.42 | .80 | 1.46 | 1.18 | 2.16 | .74 | 2.85 | 2.94 | 1.73 | 1761 |
| May | 1.06 | 1.77 | 2.11 | 2.16 | 2.08 | 1.08 | 1.33 | 2.38 | 1.79 | 1.27 | 1703 |
| June | 2.56 | .81 | 3.26 | 5.89 | .77 | 3.89 | 3.42 | 2.48 | 1.63 | 3.96 | 2867 |
| July | 1.07 | 2.32 | 1.20 | 3.93 | 2.86 | 1.40 | .38 | 2.17 | 2.32 | 3.00 | 2065 |
| August | 3.70 | 1.94 | 3.40 | 3.74 | 2.00 | 3.84 | 1.17 | 1.68 | 2.86 | 2.64 | 2647 |
| September.. | .78 | 1.25 | .94 | 2.60 | 1.49 | 2.14 | 1.07 | .72 | 1.46 | 1.81 | 1421 |
| October.... | 2.45 | 1.91 | 1.76 | 6.15 | 1.31 | 1.58 | 5.16 | 4.88 | 2.22 | 4.90 | 3232 |
| November .. | 2.45 | .90 | 1.81 | 2.10 | 1.64 | 3.13 | 4.08 | 2.42 | .75 | 1.15 | 2043 |
| December .. | 3.52 | 4.01 | 1.35 | 2.36 | 2.38 | 1.06 | 2.80 | 3.43 | 2.01 | 3.26 | 2618 |
| TOTALS .. | 28.18 | 21.93 | 20.12 | 37.35 | 23.92 | 25.51 | 28.01 | 26.99 | 24.20 | 28.38 | 26459 ✓ |

MET. & RAINMASTER
RETROSPECTIVE SITE REVIEW

276537

NGR: TL(52) 132134

ALT: 420 ft no 128 metres Date of review 12.6.80

276538

RAINFALL AT Harpenden Roshamstead No 3

Lat.

Long.

County of

Herts

Rain Gauge, by

Observer Sir J. Gilbert

G. Shamsi, Colne & Bent. (Lancs Agric Trust) J. A. Yoelcher Esq
and Mr. H. H. H.

| Diameter .. | 8 | | | | | | | | | | |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 0.9 | | | | | | | | | | |
| Altitude .. | 420 ft | | | | | | | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January .. | 3.41 | .96 | .81 | 2.42 | 3.31 | 1.30 | 3.90 | 1.17 | 1.44 | .86 | 1958 |
| February .. | 4.81 | 1.17 | 1.19 | 1.00 | 3.27 | .90 | 2.21 | 1.06 | 1.27 | .37 | 1755 |
| March | .90 | 2.32 | 1.41 | 3.31 | 1.38 | 3.40 | 1.48 | 1.17 | 3.21 | 3.35 | 2193 |
| April | 1.28 | 2.29 | .75 | 1.40 | 1.14 | 2.09 | .72 | 2.64 | 2.91 | 1.62 | 1687 |
| May | .99 | 1.69 | 2.07 | 2.09 | 1.99 | 1.07 | 1.24 | 2.24 | 1.73 | 1.20 | 1631 |
| June | 2.49 | .79 | 3.17 | 5.76 | .78 | 3.80 | 3.36 | 2.41 | 1.57 | 3.62 | 2775 |
| July | 1.05 | 2.26 | 1.17 | 3.86 | 2.76 | 1.40 | .36 | 2.05 | 2.22 | 2.73 | 1986 |
| August | 3.57 | 1.85 | 3.33 | 3.66 | 2.00 | 3.24 | 1.11 | 1.61 | 2.77 | 2.34 | 2548 |
| September.. | .70 | 1.23 | .93 | 2.51 | 1.42 | 2.10 | 1.01 | .67 | 1.39 | 1.68 | 1364 |
| October.... | 2.35 | 1.82 | 1.69 | 5.93 | 1.26 | 1.53 | 4.98 | 4.51 | 2.16 | 4.78 | 3101 |
| November.. | 2.30 | .90 | 1.72 | 2.03 | 1.58 | 3.02 | 3.90 | 2.25 | .74 | 1.09 | 1953 |
| December .. | 3.25 | 3.81 | 1.31 | 2.27 | 2.33 | .96 | 2.58 | 3.21 | 1.97 | 3.15 | 2484 |
| TOTALS .. | 27.10 | 21.09 | 19.55 | 36.27 | 23.22 | 24.81 | 26.85 | 25.29 | 23.38 | 26.79 | 25435 |

METHOD OF MEASUREMENT
RETROGRADE BY LEVEL

276538

NOR: TL(52) 132134
ALT: 420 ft = 128 metres. Date of reading 17.6.80

276540

RAINFALL AT Harpenden Rothamsted No 2 6/1880

Lat.

Lon.

County of Herts

2- Shallow - Colne & Brent.

Rain Gauge, by

Observer Sir J. Gilbert

(Lawes Agric. Trust.)

J. A. Yoelcher Esq
and Hall for

| Diameter .. | 72 x 87 | | | | | | | | | | | |
|--------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Height | 0.9 | | | | | | | | | | | |
| Altitude .. | 420 T | | | | | | | | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. | |
| January .. | 3.67 | 1.18 | .83 | 2.55 | 3.51 | 1.34 | 4.09 | 1.26 | 1.58 | .98 | 2.098 | |
| February .. | 4.91 | 1.26 | 1.25 | 1.06 | 3.44 | .95 | 2.33 | 1.48 | 1.34 | .43 | 1.845 | |
| March | .96 | 2.56 | 1.49 | 3.47 | 1.58 | 3.57 | 1.63 | 1.31 | 3.40 | 3.74 | 2.371 | |
| April..... | 1.33 | 2.51 | .83 | 1.53 | 1.25 | 2.22 | .79 | 2.85 | 3.28 | 1.82 | 1.841 | |
| May | 1.08 | 1.81 | 2.20 | 2.22 | 2.15 | 1.13 | 1.38 | 2.39 | 1.89 | 1.31 | 1.756 | |
| June..... | 2.63 | .84 | 3.33 | 6.12 | .81 | 4.05 | 3.61 | 2.61 | 1.67 | 4.10 | 2.977 | |
| July | 1.13 | 2.44 | 1.24 | 4.09 | 2.92 | 1.47 | .42 | 2.21 | 2.43 | 3.10 | 2.145 | |
| August | 3.93 | 2.00 | 3.53 | 3.96 | 2.15 | 3.46 | 1.24 | 1.80 | 3.01 | 2.74 | 2.782 | |
| September.. | .84 | 1.35 | 1.05 | 2.75 | 1.60 | 2.25 | 1.15 | .78 | 1.56 | 1.94 | 1.527 | |
| October.... | 2.60 | 2.02 | 1.88 | 6.32 | 1.37 | 1.67 | 5.30 | 4.89 | 2.26 | 5.19 | 3.350 | |
| November.. | 2.61 | 1.05 | 1.95 | 2.21 | 1.67 | 3.23 | 4.22 | 2.44 | .82 | 1.24 | 2.144 | |
| December .. | 3.65 | 4.13 | 1.39 | 2.41 | 2.48 | 1.10 | 2.79 | 3.40 | 2.07 | 3.42 | 2.684 | |
| TOTALS .. | 29.34 | 23.15 | 20.97 | 38.69 | 24.93 | 26.44 | 28.95 | 27.41 | 25.31 | 30.01 | 27.520 | |

D Dm mm s

1908 Harpenden Station

N.G.R. TL(52) 132134

H.M.S.

276537

10 935

RAINFALL at Harpenden Romanated No 1

County of Hertfordshire

Observer A. D. Hall Eng. Z.R.I.

Lower Agricultural Trust
C. J. Russell.

1939 Ruth & Sonja Hansen

River Basin Shanno Colne 2

Lowers Agricultural Trust
C. J. Russell.

1939 Ruth & Sonja Hansen

Rain Gauge, by _____

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | 5 | | | | | | | | | | |
| Height | 0.9 | | | | | | | | | | |
| Altitude ... | 420 T | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January | 1.99 | 1.27 | 3.74 | 3.16 | .84 | 3.78 | 2.07 | 1.60 | 2.31 | 3.84 | 24.60 |
| February | 3.64 | 1.78 | 2.01 | .95 | 3.27 | 4.20 | 3.28 | .79 | 1.03 | 2.90 | 23.85 |
| March | 1.13 | 2.09 | 4.14 | 2.41 | 4.24 | 1.19 | 3.84 | 1.50 | .86 | 3.43 | 24.87 |
| April | 1.49 | 1.50 | .13 | 3.04 | 1.09 | 1.09 | 1.34 | 1.93 | 3.95 | 3.31 | 18.87 |
| May | 2.08 | 3.69 | 1.41 | 1.72 | 1.33 | 2.34 | 1.82 | 1.82 | 2.26 | .46 | 18.93 |
| June | 2.74 | 2.60 | 3.14 | 1.15 | 1.60 | 1.73 | 2.56 | 1.96 | .86 | 1.05 | 19.39 |
| July | 1.91 | .64 | 3.22 | 1.19 | 1.44 | 4.39 | 1.61 | 4.20 | 3.22 | 2.62 | 24.44 |
| August | 3.25 | .95 | 6.28 | 1.45 | 1.46 | 2.38 | 3.82 | 6.05 | 1.16 | 3.24 | 29.54 |
| September | .80 | 1.36 | 2.53 | 1.38 | 1.16 | 2.30 | 1.50 | 1.83 | 4.97 | 1.19 | 19.02 |
| October | 2.74 | 3.30 | 2.63 | 3.38 | 2.82 | 2.38 | 3.40 | 4.63 | 1.70 | .98 | 27.46 |
| November | 3.73 | 3.27 | 2.41 | 2.86 | 2.77 | 2.16 | 4.19 | 1.11 | 2.52 | 2.05 | 27.07 |
| December | 5.08 | 6.11 | 3.26 | .79 | 7.51 | 5.15 | 3.06 | .65 | 2.84 | 5.05 | 39.50 |
| TOTALS ... | 30.58 | 28.56 | 34.90 | 23.48 | 29.07 | 33.09 | 31.99 | 28.07 | 27.68 | 30.12 | 29.75 |

276537

NGR: TL(52) 132134

ALT: -120 ft = 128 metres. Rate of descent 7.6.80

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|----------|------------------|-----------|------------|-----------|-----------|------------|
| 10.21 | 51.48.0 | 0.24.30W | Harrowden | 1 mile | N. N. E | Harrowden | 1 mile | N. |

276538

934

10

RAINFALL at Harpenden Rothamsted No 3.

County of Hertfordshire

Observer

A. D. Hall Esq. F.R.S.

River Basin Thames Colne 2

Lunnon Agricultural Dual

C. J. Russell

1919 R. Birmingham

Rain Gauge, by

| Diameter ... | 8 | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| Height | 0.9 | | | | | | | | | | | |
| Altitude ... | 420 T | | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. | |
| January ... | 1.99 | 1.22 | 3.54 | 3.04 | .76 | 3.74 | 1.98 | 1.56 | 2.55 | 3.86 | 2424 | 995 |
| February ... | 3.54 | 1.71 | 2.00 | .88 | 2.97 | 4.14 | 3.47 | 1.83 | 1.04 | 2.82 | 2340 | 870 |
| March | 1.09 | 2.06 | 4.01 | 2.23 | 3.94 | 1.22 | 4.22 | 1.54 | .86 | 3.40 | 2457 | 1002 |
| April | 1.45 | 1.47 | .12 | 2.91 | 1.00 | 1.08 | 1.25 | 1.83 | 4.08 | 3.30 | 1849 | 1045 |
| May | 2.03 | 3.63 | 1.37 | 1.65 | 1.22 | 2.33 | 1.78 | 1.80 | 2.24 | .46 | 1851 | 628 |
| June | 2.69 | 2.52 | 3.02 | 1.06 | 1.51 | 1.63 | 2.43 | 1.95 | .86 | 1.02 | 1869 | 626 |
| July | 1.83 | .61 | 3.12 | 1.13 | 1.37 | 4.19 | 1.56 | 4.05 | 3.16 | 2.56 | 2358 | 1133 |
| August | 3.11 | .91 | 6.02 | 1.43 | 1.37 | 2.82 | 3.24 | 5.92 | 1.14 | 3.18 | 2864 | 1348 |
| September .. | .90 | 1.32 | 2.47 | 1.25 | 1.09 | 2.25 | 1.43 | 1.77 | 4.78 | 1.18 | 1834 | 916 |
| October ... | 2.67 | 3.24 | 2.50 | 3.08 | 2.22 | 2.80 | 3.28 | 4.50 | 1.64 | 1.01 | 2644 | 1043 |
| November ... | 3.56 | 3.16 | 2.25 | 2.60 | 2.56 | 2.12 | 4.07 | 1.21 | 2.45 | 2.04 | 2602 | 977 |
| December ... | 4.89 | 5.76 | 3.15 | .70 | 7.36 | 5.05 | 3.01 | .63 | 2.83 | 5.31 | 3869 | 1178 |
| TOTALS ... | 29.65 | 27.61 | 33.57 | 21.96 | 27.37 | 32.37 | 31.72 | 27.59 | 27.63 | 30.14 | 28.961 | 1110 |

MET.O.R. RAINMASTER
RETROSPECTIVE SITE REVIEW

IVD-SIN 276538

NOR: T2(52) 132134

ALT: 420 ft or 128 metres. Date of review 17.6.80

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|----------|---------|------------------|----------------|------------|-----------|-----------|------------|
| | 51.49.10 | 0.24.30 | Harpenden | approx. 1 m | N.N.E. | Harpenden | 1 m. | N. |

RAINFALL at Harpenden Rothamsted No 2

County of Hertfordshire

Observer A. D. Hall Esq FRS

River Basin Thames Colne 2

C. J. Russell

1919 R. Cunningham

Rain Gauge, by

| Diameter ... | 72x87 | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------------------------|
| Height | 0.9 | | | | | | | | | | | |
| Altitude ... | 420T | | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. | |
| January ... | 2.18 | 1.37 | 3.89 | 3.36 | .88 | 4.11 | 2.24 | 1.80 | 3.00 | 4.26 | 27.11 | Total 191679 1132 |
| February ... | 3.78 | 1.88 | 2.21 | 1.00 | 3.45 | 4.54 | 3.97 | .93 | 1.23 | 3.29 | 2628 | 7.42 |
| March | 1.23 | 2.27 | 4.29 | 2.62 | 4.43 | 1.38 | 4.82 | 1.83 | .99 | 3.76 | 27.52 | 11.40 |
| April | 1.58 | 1.59 | .17 | 3.16 | 1.15 | 1.22 | 1.43 | 2.15 | 4.55 | 3.69 | 20.69 | 11.82 |
| May | 2.16 | 3.79 | 1.47 | 1.81 | 1.42 | 2.48 | 1.97 | 1.98 | 2.47 | .54 | 2009 | 6.96 |
| June | 2.81 | 2.74 | 3.28 | 1.20 | 1.72 | 1.79 | 2.71 | 2.15 | 1.00 | 1.16 | 2056 | 7.02 |
| July | 2.00 | .65 | 3.35 | 1.29 | 1.57 | 4.72 | 1.77 | 4.57 | 3.45 | 2.77 | 2614 | 12.56 |
| August | 3.38 | 1.05 | 6.53 | 1.58 | 1.59 | 2.59 | 3.58 | 5.81 | 1.33 | 3.40 | 3084 | 14.12 |
| September .. | .89 | 1.52 | 2.72 | 1.50 | 1.30 | 2.49 | 1.67 | 2.07 | 5.42 | 1.29 | 2087 | 10.45 |
| October ... | 2.83 | 3.47 | 2.74 | 3.49 | 2.53 | 2.60 | 3.70 | 5.10 | 1.96 | 1.07 | 2949 | 11.83 |
| November .. | 3.93 | 3.44 | 2.52 | 2.94 | 3.10 | 2.38 | 4.49 | 1.41 | 2.67 | 2.24 | 2912 | 10.81 |
| December ... | 5.36 | 6.26 | 3.42 | .87 | 8.11 | 5.56 | 3.39 | .76 | 3.17 | 5.57 | 4247 | 12.89 |
| TOTALS ... | 32.13 | 30.03 | 36.59 | 24.72 | 31.25 | 35.86 | 35.75 | 30.56 | 31.24 | 33.05 | 32118 | 13060 |

T2(52) 132134

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|----------------------|-------|------------------|-----------|------------|-----------|-----------|------------|
| | 51.48° 10' 0.24° 30' | 21° | Harpenden | 1 m. | N.N.E | Harpenden | 1 m. | N. |

RAINFALL at Harpenden, Rothamsted No 3

County of Hertfordshire Observer Lawes Agricultural Trust
1922. W.G. Game
River Basin Thames - Colne 2.

Snowdon Rain Gauge, by M.O.

| Diameter ... | 8 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | Minima. 1930 |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| Height | 0 9 | | | | | | | | | | | |
| Altitude ... | 420 | | | | | | | | | | | |
| Year | | | | | | | | | | | | |
| January ... | 2.87 | 2.28 | 2.88 | 1.42 | 2.68 | 1.92 | 3.37 | 2.17 | 3.69 | 1.53 | 3.06 | 2.787 |
| February ... | 4.48 | 1.19 | 2.34 | 3.80 | 1.61 | 3.74 | 2.33 | 3.67 | 1.83 | 0.73 | 0.76 | 2.048 |
| March | 1.47 | .96 | 2.10 | 2.39 | 1.06 | 1.15 | 1.17 | 2.09 | 2.09 | 0.04 | 1.38 | 1.490 |
| April..... | 4.35 | 1.47 | 3.22 | 1.43 | 2.97 | 1.60 | 2.81 | 1.70 | 1.76 | 1.444 | 2.17 | 2.342 |
| May | 1.26 | 1.37 | 1.50 | 1.59 | 4.45 | 2.34 | 1.81 | 1.09 | 1.30 | 2.85 | 2.77 | 2.233 |
| June | 1.66 | 1.17 | .95 | .57 | 1.86 | .10 | 2.86 | 3.23 | 2.09 | .91 | 0.93 | 1.859 |
| July | 4.65 | 1.16 | 4.20 | 3.74 | 4.22 | 4.22 | 2.61 | 2.91 | 2.33 | 1.33 | 2.16 | 3.253 |
| August | 1.27 | 1.01 | 2.68 | 2.18 | 2.34 | 2.87 | 1.07 | 4.01 | 2.02 | .56 | 2.59 | 2.260 |
| September... | 2.02 | 2.61 | 2.63 | 2.34 | 3.15 | 3.13 | 1.65 | 5.02 | .68 | .22 | 3.23 | 2.668 |
| October..... | 1.45 | .71 | .62 | 4.61 | 3.94 | 2.81 | 2.46 | 1.85 | 3.55 | 4.09 | 1.05 | 2.714 |
| November... | 1.71 | 2.21 | 1.30 | 1.47 | 3.03 | 2.05 | 4.94 | 2.64 | 2.92 | 6.25 | 4.76 | 3.228 |
| December... | 2.35 | 1.78 | 2.95 | 2.69 | 3.67 | 1.94 | 1.41 | 2.78 | 2.46 | 5.74 | 2.62 | 2.939 |
| TOTALS... | 25.74 | 14.92 | 27.37 | 28.23 | 33.98 | 27.87 | 26.49 | 33.16 | 25.72 | 25.75 | 27.48 | 24.671 |

1920. with Elm Trees kept high 70% S.

Holly Trees 25%

NETO-B RAINFALL
RECORDING GAUGE

276538

NGR: T2 (52) 132134

ALT: 420 ft = 128 miles Date of review: 17.6.80

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series

| Date. | Lat. N. | Long. W. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge |
|-------|------------|------------|------------------|---------------------|----------------------|----------------|---------------------|
| 1920 | 51° 46' 0" | 0° 24' 30" | Harpenden | 3/4 mi | N E | St. Nicholas | 3/4 mi N |

RAINFALL at Harpden, Roehampton No 1
 County of Berkshire Observer Gates Agricultural Trust
 River Basin Thames-Cotswold 2

(1926) Glaisher Rain Gauge, by _____

| Diameter ... | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | Totals. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Height | | | | | | | 5' | 10' | | | | |
| Altitude ... | | | | | | | | 420 | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | |
| January ... | 2.73 | 2.29 | 2.83 | 1.35 | 2.63 | 2.01 | 3.27 | 2.19 | 3.78 | 1.56 | 3.13 | 27.77 |
| February ... | 1.43 | 1.16 | 2.34 | 3.71 | 1.61 | 3.80 | 2.32 | 3.79 | 1.95 | .75 | 0.76 | 20.62 |
| March | 1.40 | 1.94 | 2.10 | 2.28 | 1.03 | 1.02 | 1.7 | 2.23 | 2.23 | .04 | 1.41 | 14.85 |
| April..... | 4.24 | 1.44 | 3.07 | 1.36 | 2.99 | 1.57 | 2.78 | 1.76 | .61 | 1.41 | 2.17 | 23.59 |
| May | 1.21 | 1.33 | 1.51 | 1.52 | 4.40 | 2.33 | 1.77 | 1.10 | 1.36 | 2.96 | 2.87 | 26.22 |
| June | 1.83 | 1.16 | .91 | .50 | 1.84 | .10 | 2.84 | 3.36 | 2.13 | .92 | 0.90 | 15.49 |
| July | 4.61 | 1.13 | 4.15 | 3.69 | 4.24 | 4.28 | 2.57 | 2.96 | 2.42 | 1.39 | 2.18 | 32.57 |
| August | 1.26 | .99 | 2.62 | 2.20 | 2.28 | 2.84 | 1.05 | 4.16 | 2.04 | .54 | 2.56 | 22.53 |
| September... | 1.96 | 2.49 | 2.52 | 2.31 | 3.12 | 3.06 | 1.63 | 5.36 | .68 | .20 | 3.22 | 26.55 |
| October..... | 1.43 | .67 | .59 | 4.57 | 3.93 | 2.83 | 2.43 | 2.17 | 2.61 | 4.11 | 1.09 | 27.43 |
| November... | 1.69 | 2.20 | 1.24 | 1.43 | 3.02 | 2.02 | 4.90 | 3.01 | 3.01 | 6.49 | 4.94 | 33.95 |
| December... | 2.29 | 1.77 | 2.90 | 2.63 | 3.73 | 1.89 | .38 | 3.00 | 2.51 | 6.03 | 2.76 | 29.87 |
| TOTALS... | 25.08 | 14.57 | 26.78 | 27.55 | 33.82 | 27.75 | 26.11 | 35.07 | 26.53 | 26.40 | 27.80 | 297.46 |

1926 Wylde Elm Tree 60' high 63 yds S. Smaller trees mostly Holly

Value 1920-23 supplied by Mr. Robinson, Dept. of Agric. 28.10.56

METEOROLOGICAL
RECORDS
RETENTION PERIODNGR: T6(52) 132134
Alt: 420 ft. 128 m.

276537

metres. Date of reading 17.6.80

| Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series | | | No. of Map | Reference No. | | | | |
|--|---------------|-------------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| Date. | Lat. N. | Long. W. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge | Direction |
| 1926 | 51° 48' 10" N | 0° 21' 3" W | S. M. S. | 3/4 mi | N.E. | St. Nicholas | 3/4 mi | NNE. |

936
20

RAINFALL at Harpenden, Rothamsted No 5
County of Hertfordshire Observer: Leves Agricultural Trust
River Basin: Thames - Catch 2

Rain Gauge, by

1926 Wych Elm Tree 60' high 63' S. Smaller trees mostly Holly

| 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 |
| 1926 | | | L.M.S. | 3/4 mi | N.E. | St. Nicholas | 3/4 mi | N.N.E. |

RAINFALL at Harpenden (Rothamsted) (+A) No 3 M.W.R.

County of Hertfordshire

Observer Lawes Agricultural Trust

River Basin Thames, Colne & Brent -2.

Type of Gauge Somersethorn

Annual Average 26.7 in. based on 35 years obs. un-weighted. Period of average 1881 / 1915 Ref. B of N. 66448

| Diameter | 8. | | | | | | | | | | 8 | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----|
| Height | 0.9. | | | | | | | | | | 1.0 | 0.9 |
| Altitude | 420. | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | |
| January | 1.57 | 1.89 | 2.07 | 1.94 | .84 | 3.87 | 4.27 | 3.07 | 5.00 | 3.40 | 2.792 | |
| February | 1.70 | 1.7 | 1.83 | 1.45 | 2.65 | 2.12 | 3.76 | .52 | 1.78 | 1.59 | 1.557 | |
| March | .08 | 1.86 | 2.69 | 2.34 | .53 | 1.25 | 3.13 | .26 | 1.69 | 2.58 | 1.641 | |
| April | 3.22 | 2.11 | 1.87 | 1.86 | 3.60 | 1.22 | 2.72 | .11 | 2.73 | 1.78 | 2.022 | |
| May | 2.244 | 4.06 | 1.50 | .83 | 1.75 | 1.44 | 3.48 | 1.66 | 1.67 | 1.98 | 1.981 | |
| June | 1.45 | .79 | .99 | 1.66 | 2.83 | 6.04 | 1.73 | .77 | 1.96 | .87 | 1.909 | |
| July | 3.79 | 2.50 | 1.35 | 1.09 | .90 | 4.27 | 1.67 | 1.14 | 2.02 | 2.80 | 2.123 | |
| August | 3.28 | 1.99 | .55 | 1.74 | 1.50 | .29 | 1.82 | 2.30 | 3.01 | .21 | 1.669 | |
| September | 1.98 | 1.66 | 2.26 | 2.66 | 4.19 | 3.34 | 2.55 | 1.70 | 1.31 | 1.09 | 2.274 | |
| October | .57 | 4.36 | 1.33 | 1.87 | 2.77 | 1.62 | 2.43 | 2.10 | 4.37 | 3.17 | 2.559 | |
| November | 3.00 | 1.55 | 1.30 | 1.74 | 5.02 | 3.63 | 1.66 | 3.39 | 4.28 | 7.60 | 3.318 | |
| December | 1.00 | .60 | .43 | *.83 | 2.85 | 2.08 | 2.87 | 3.22 | 1.34 | 1.38 | 2.060 | |
| TOTALS | 24.08 | 23.54 | 17.17 | 23.08 | 29.44 | 30.37 | 32.09 | 21.24 | 30.16 | 27.95 | 25.905 | |

1931 Trees, largest, with Elm top, high. 62 ft. S.

Inspected 1/1/32 Small leak in funnel. Flat bottomed measure.

Gauge lowered to 1.0 — Inspection of 1926.

Note: 1928 from 1920 year 198 in Jan. Year 1694. This was exact.

276538

RETROGRADE 1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

1928-1932

RAINFALL at Harpenden (Rothamsted) No 1

County of Hertfordshire Observer Lawes Agricultural Trust

River Basin Thames Colne & Brent -2.

Type of Gauge Sondehorn

Annual Average 27.3 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. A.W. Shut. 660442

| Diameter | 5" | | | | | | | | | | | Totals Means |
|-----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------------|
| Height | 1.0. | | | | | | | | | | | |
| Altitude | 420- | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | | |
| January | 1.67 | 2.19 | 1.99 | 2.07 | 1.86 | 4.07 | 4.48 | 3.21 | 5.29 | 2.61 | 28.44 | |
| February | 1.74 | 1.16 | 1.95 | 1.42 | 2.76 | 2.12 | 4.12 | 1.52 | 1.80 | 1.68 | 16.26 | |
| March | 0.8 | 1.95 | 2.79 | 2.37 | 1.55 | 1.28 | 3.28 | 1.28 | 1.72 | 2.58 | 16.88 | |
| April | 3.29 | 2.15 | 1.89 | 1.89 | 2.76 | 1.27 | 2.75 | 1.11 | 2.77 | 1.80 | 20.68 | |
| May | 2.40 | 4.02 | 1.51 | 1.83 | 1.70 | 1.47 | 3.57 | 1.72 | 1.65 | 1.95 | 19.82 | |
| June | 1.44 | 1.80 | 1.98 | 1.67 | 2.86 | 6.04 | 1.74 | 1.77 | 1.95 | 1.86 | 19.11 | |
| July | 3.78 | 2.45 | 1.40 | 1.04 | 1.92 | 4.71 | 1.67 | 1.15 | 2.06 | 2.25 | 21.43 | |
| August | 3.29 | 1.99 | 1.58 | 1.77 | 1.55 | 1.31 | 1.85 | 2.28 | 2.96 | 1.21 | 16.79 | |
| September | 1.98 | 1.71 | 2.27 | 2.66 | 4.31 | 3.36 | 2.61 | 1.69 | 1.22 | 1.08 | 22.88 | |
| October | 1.60 | 4.49 | 1.37 | 1.86 | 2.85 | 1.70 | 2.50 | 3.21 | 4.48 | 3.29 | 26.35 | |
| November | 3.08 | 1.66 | 1.33 | 1.83 | 5.12 | 3.72 | 1.69 | 3.53 | 4.55 | 7.71 | 34.22 | |
| December | 1.02 | 1.61 | 1.48 | 1.77 | 2.91 | 3.13 | 2.99 | 3.38 | 1.41 | 1.43 | 22.13 | |
| TOTALS | 224.57 | 244.18 | 17.54 | 23.17 | 30.14 | 32.18 | 33.25 | 21.85 | 30.86 | 27.45 | 264.99 | 276537 |

1931. Trees, largest one Wykeham Lodge, high 62 ft. S.

Incepted 1932. No bottle.

1940 Jan ad for snow.

MET. OBS RAINMASTER
RETROSPECTIVE SITE RECORD

276537

NOR: T2(52) 132132

ALT: 420 m = 128 metres. Date of review 17.6.80

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. | | | Harpenden W.M.S. 3 miles | N.E. | | Harpenden | 1/2 miles | N.N.E. |

RAINFALL at Harpenden (Rothamsted) No 2County of HertfordshireObserver Lawes Agricultural TrustRiver Basin Thames, Colne & Brent, 2.

Type of Gauge

Annual Average 28.6 in. based on — years obs. un-weighted. Period of average 1881-1915 Ref. A.W.Sheet
660448 210

| Diameter | 72+87 | | | | | | | | | | | Totals | Means |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| Height | 0.9. | | | | | | | | | | | | |
| Altitude | 420. | | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | | | |
| January | 1.70 | 2.20 | 1.97 | 2.14 | 1.07 | 4.25 | 4.71 | 3.37 | 5.71 | 3.02 | 30.14 | | |
| February | 1.87 | 2.1 | 2.15 | .63 | 2.92 | 2.33 | 4.28 | .59 | .87 | 1.86 | 17.71 | | |
| March | .09 | 2.00 | 2.92 | 2.46 | .63 | 1.41 | 3.56 | .32 | 1.74 | 2.75 | 17.88 | | |
| April | 3.46 | 2.34 | .93 | 2.03 | 3.95 | 1.39 | 3.02 | .12 | 2.92 | 1.80 | 21.96 | | |
| May | 2.53 | 4.27 | 1.59 | .90 | 1.91 | .53 | 3.78 | 1.84 | 1.83 | 2.01 | 21.19 | | |
| June | 1.52 | .85 | 1.03 | 1.75 | 3.00 | 6.34 | 1.83 | .80 | 2.07 | .89 | 20.09 | | |
| July | 3.94 | 2.62 | 1.43 | 1.13 | .96 | 4.94 | 1.78 | 1.22 | 2.15 | 2.39 | 22.56 | | |
| August | 3.46 | 2.10 | .65 | 1.91 | 1.64 | .36 | 1.98 | 2.40 | 3.23 | .22 | 17.95 | | |
| September | 2.13 | 1.99 | 2.45 | 2.73 | 4.47 | 3.58 | 2.79 | 1.76 | 1.43 | 1.16 | 24.49 | | |
| October | .67 | 4.84 | 1.49 | 2.07 | 2.99 | 1.83 | 2.65 | 3.27 | 4.75 | 3.41 | 27.97 | | |
| November | 3.20 | 1.78 | 1.47 | 1.99 | 5.38 | 3.94 | 1.80 | 3.52 | 4.49 | 7.86 | 25.66 | | |
| December | 1.11 | .73 | .53 | 5.39 | 3.20 | 2.35 | 3.21 | 3.74 | 1.52 | 1.49 | 23.27 | | |
| TOTALS | 25.68 | 25.93 | 18.61 | 25.13 | 32.72 | 33.25 | 35.39 | 22.97 | 32.71 | 28.86 | 280.65 | | |

1931. Trees. Caught one Wych Elm 60 ft. high 66 yrs.

Inspected 8/11/32

1940 Jan adj 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 |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| 1931 | | | Harpenden | 3/4 min | N.E. | Harpenden | 3/4 min |

276538

Station No. 934 M.W.R.

RAINFALL at ~~Wantage [Rothamsted] N.D. 3~~

41

County of Hertfordshire Observer Lanes Agricultural TrustRiver Basin Thames, Colne & BeaneType of Gauge Swardon (+A)Annual Average 26.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.G.N.
26.24 " " " " 1916-1950 1916-1950 P
File No. 660448/26

| Diameter | 8" | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|--|
| Height | 9" | | | | | | | | | | | |
| Altitude | 420' | | | | | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means | |
| January | 2.15 | 2.77 | 4.55 | 1.48 | 1.78 | 2.43 | 1.47 | 4.85 | 1.44 | .84 | 23.76 | |
| February | 2.23 | .80 | 1.07 | 1.02 | 1.95 | 2.53 | 1.69 | .97 | 1.29 | 4.45 | 1800 | |
| March | 2.76 | 1.54 | .60 | .18 | .62 | 1.18 | 5.05 | .83 | 1.33 | .79 | 1488 | |
| April | 1.45 | 1.56 | 1.01 | 1.83 | 1.30 | .98 | 2.07 | 1.85 | 1.81 | 1.74 | 1510 | |
| May | 2.08 | 2.76 | 2.38 | .68 | 2.20 | 2.32 | 1.16 | 2.10 | 1.93 | 1.58 | 2027 | |
| June | 1.02 | .27 | 1.45 | 1.69 | 2.19 | 2.49 | 2.40 | 2.83 | 1.87 | 1.46 | 1634 | |
| July | 5.32 | 2.08 | 1.51 | 1.48 | 2.68 | 2.03 | 1.53 | .87 | 1.07 | 5.30 | 2387 | |
| August | 4.19 | 2.20 | 2.09 | 2.73 | 1.27 | 3.74 | .07 | 2.6 | 1.16 | 3.30 | 2371 | |
| September | .69 | 1.33 | 1.83 | 2.53 | 2.10 | 3.75 | 1.35 | (1.73) | .47 | 3.10 | 1888 | |
| October | 1.01 | 3.82 | 3.22 | 3.48 | 2.86 | 1.47 | .04 | (2.12) | 5.95 | 4.47 | 2444 | |
| November | 2.50 | 1.33 | 1.31 | 3.36 | .34 | 5.47 | 1.04 | (1.62) | 2.80 | 5.06 | 2483 | |
| December | 1.41 | 2.87 | 1.65 | 1.59 | 3.02 | 2.03 | 2.91 | (2.90) | (1.58) | (1.61) | 2137 | |
| TOTALS | 26.81 | 23.33 | 22.67 | 22.05 | 22.81 | 30.42 | 20.78 | 25.40 | 21.70 | 30.00 | 24547 | |

See letter 7th Jan 58. A90109/40/3a, also 10' off/47.

Values 1st 60

METEOROLOGICAL
RETROGRADE OBSERVATION

REG. STN. NO. 276538

NRN: T2/E2 132134

ALT: 420 m = 128

metres. Date of review 17/6/80

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 |
|--------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|
| 5/1/48 | 0 22 W | | | | | | |

RAINFALL at Harehanger & Rothamsted S. No. 4 480

Station No. 934/5. (M.W.H. no. 109)

County of Hertfordshire Observer Lawes Agricultural Trust

River Basin Thames, Colne & Brent 2

Type of Gauge M.O. (2535/40.)

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

File No. 2010.91/40

| Diameter | | | 276 | 539 | 5 | | | | | | |
|-----------|------|------|------|------|------|------|------|--------|-------|-------|-------|
| Height | | | | | 1 | 1'0" | | | | | |
| Altitude | | | | | 41 | 420' | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | | | | | | | | 1.70 | 5.01 | 1.46 | .97 |
| February | | | | | | | | 1.86 | 1.08 | 1.32 | 1.58 |
| March | | | | | | | | (5.20) | .90 | 1.34 | .84 |
| April | | | | | | | | 2.16 | 1.38 | 1.82 | 1.83 |
| May | | | | | | | | 1.19 | 3.04 | 1.96 | 1.96 |
| June | | | | | | | | 2.41 | 2.92 | .56 | 1.48 |
| July | | | | | | | | 1.55 | .93 | 1.07 | 5.43 |
| August | | | | | | | | .07 | 2.54 | 1.65 | 3.37 |
| September | | | | | | | # | 1.36 | 1.78 | .48 | 3.15 |
| October | | | | | | | | 1.54 | .04 | 2.18 | 6.01 |
| November | | | | | | | | 5.58 | 1.13 | 1.66 | 2.93 |
| December | | | | | | | | 2.12 | 3.11 | 2.96 | 1.43 |
| TOTALS | | | | | | | | 1.69 | 21.78 | 26.38 | 22.02 |
| | | | | | | | | D | D | D | 30.96 |

Gauge on lawn 10' 47".
 1947. Tool shed 6' high 30' N.E. Post + wire fence. Posts 4' 6" high 15' N.W.
 Model of set ref. # gauge.

1948. Wych Elm tree 60' high 100' N.E.

+ inspected 1949: Gauge 5" in turf wall. gauge to 100 cm. to gauge to base. Flat bottomed measure. Later
 replaced with tape measure: reading corrected for emp. of glass measured (+0.05 between .05 to .45) Jan - Oct.
 ⑧ As incl. letter of 7 Jan 1948, 26 Jan 1948 used in M.W.H. from Jan - Oct.

§ Turf wall round the gauge.

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 | Parish Church. | Distance from gauge. | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|----------------------|-----------|
| 1948 | | | Harehanger (LMS) | 3/4 m | NE | Harehanger | 3/4 m | NNE |

BRITISH RAINFALL ORGANIZATION

276537

Station No. 935.

RAINFALL at Harpenden (Rothamsted)

~~MWR (from 1948)~~

41

County of Blankfordshire.

Observer Swiss Agricultural Trust.

River Basin Thames 6, Colne 9, Brent 2.

Type of Gauge. S. mow.d.m.

Annual Average 21.3 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.
A 201091/40

File No. ~~bbo448~~ 26

| Diameter | 5" | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 10 | | | | | | | | | | |
| Altitude | 420 | | | | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 2.16 | 2.90 | 4.85 | 1.54 | 1.96 | 2.46 | 1.63 | 4.93 | 1.47 | .86 | |
| February | 2.38 | .87 | 1.12 | 1.00 | 2.00 | 2.58 | 1.60 | .99 | 1.32 | 4.54 | |
| March | 2.83 | 1.55 | .60 | .17 | .65 | 1.23 | 5.22 | .88 | 1.36 | .81 | |
| April | 1.44 | 1.56 | .98 | 1.88 | 1.30 | .97 | 2.11 | 1.38 | 1.85 | 1.78 | |
| May | 2.07 | 2.83 | 2.40 | .67 | 2.19 | 2.35 | 1.14 | 2.96 | 1.97 | 1.92 | |
| June | 1.05 | .27 | 1.44 | 1.64 | 2.15 | 2.47 | 2.39 | 2.86 | .58 | 1.49 | |
| July | 5.27 | 2.14 | 1.50 | 1.46 | 2.66 | 2.05 | 1.53 | .89 | 1.09 | 5.41 | |
| August | 4.19 | 2.44 | 2.11 | 2.84 | 1.25 | 3.77 | .07 | 2.52 | 1.69 | 3.38 | |
| September | .67 | 1.38 | 1.93 | 2.56 | 2.10 | 3.78 | 1.35 | 1.76 | .48 | 3.16 | |
| October | 1.01 | 3.81 | 3.21 | 3.51 | 2.87 | 1.47 | .04 | 2.17 | 6.07 | .48 | |
| November | 2.57 | 1.31 | 1.33 | 3.56 | .34 | 5.47 | 1.09 | 1.65 | 2.87 | 5.17 | |
| December | 1.49 | 2.98 | 1.54 | 1.66 | 3.06 | 2.09 | 2.96 | 2.96 | 1.41 | 1.64 | |
| TOTALS | 27.13 | 24.10 | 22.91 | 22.47 | 22.53 | 30.69 | 21.13 | 25.95 | 22.16 | 30.64 | |

94. Ulch Elm tree (largest) 60' high 63 yds S. also smaller trees

* Not so used. A 201091/40 / 26 Jan '48 not followed or see green 3A file.

METHODS AND RESULTS

276537

NGR: TL(52) 132134

ALT: 420 ft = 128 metres. Date of revision 12.6.80

Position of Station on reduced Ordnance Survey Map, | No. of Map..... Reference No.....
1 mile to 1 inch Series

| 1 mile to 1 inch Series | | | | | | | |
|-------------------------|---------|-------|------------------|------------------------|-----------|----------------|-------------------------|
| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge. |
| 1941 | | | Harpden Lms | 3 at | NE. | Harpden | 3 m to 4 |

Station No. 931

RAINFALL at Harpenden (Rothamsted)

41

County of Hertfordshire

Observer Dawson Agricultural Bureau

River Basin Thames below River 2

Type of Gauge

Annual Average 22.9 in. based on years obs. un-weighted. Period of average 1921-1955 Ref. A.W.S.

File No. b.b.1.1.2.1.2.1.

| Diameter | 12 ft 8 in | | | | 276 | 540 | | | | | |
|-----------|------------|-------|----------------|-------|-------|-------|--------|-------|-------|-------|--------------|
| Height | 9 ft | Gauge | 7 ft 6 in 0.6" | | | 1 | | | | | |
| Altitude | 420' | | | | | 41 | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 2.46 | 3.02 | 4.93 | 1.64 | 2.33 | 2.53 | 1.63 | 5.13 | 1.56 | 1.00 | Totals 26.23 |
| February | 2.52 | 1.84 | 1.18 | 1.13 | 2.13 | 2.79 | 1.75 | 1.02 | 1.36 | 4.61 | 19.33 |
| March | 2.92 | 1.68 | 1.62 | 2.21 | 1.68 | 1.59 | (5.14) | 1.96 | 1.41 | 0.89 | 16.10 |
| April | 1.50 | 1.65 | 1.09 | 2.06 | 1.35 | 1.07 | 2.21 | 1.44 | 1.94 | 1.95 | 16.26 |
| May | 2.15 | 2.96 | 2.54 | 1.71 | 2.32 | 2.49 | 1.26 | 3.10 | 2.05 | 2.03 | 21.61 |
| June | 1.23 | 1.30 | 1.55 | 1.75 | 2.28 | 2.66 | 2.49 | 3.05 | 1.64 | 1.56 | 17.51 |
| July | 5.42 | 2.30 | 1.59 | 1.58 | 2.84 | 2.20 | 1.62 | 1.95 | 1.13 | 5.50 | 25.13 |
| August | 4.41 | 2.46 | 2.24 | 2.89 | 1.38 | 3.96 | 1.09 | 2.65 | 1.73 | 3.54 | 25.35 |
| September | 1.70 | 1.45 | 1.96 | 2.74 | 2.26 | 3.86 | 1.44 | 1.86 | 1.53 | 3.33 | 20.13 |
| October | 1.09 | 4.01 | 3.42 | 3.70 | 3.04 | 1.57 | 1.10 | 2.27 | 6.14 | 1.62 | 25.96 |
| November | 2.73 | 1.40 | 1.48 | 3.74 | 1.41 | 5.74 | 1.21 | 1.73 | 2.96 | 5.39 | 26.77 |
| December | 1.51 | 3.11 | 1.58 | 1.78 | 3.23 | 2.28 | 3.18 | 3.09 | 1.52 | 1.71 | 22.99 |
| TOTALS | 28.64 | 25.18 | 24.18 | 23.93 | 24.25 | 32.74 | 22.12 | 27.25 | 22.97 | 32.13 | 263.39 |

Wych Elm tree (largest) 60' high 63 yds S. also smaller trees

Errors of recording found in 1/100 acre gauge which account for nearly all the excess over the other rain gauges. (From "An investigation of the accuracy of the 1/100 acre rain gauge at Rothamsted - by M. Garrod." passed G.M.C. 26/10/47 for placing in Green File. 3/4/47.)
1947 March 27 est. for now.

10004

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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|-----------------------|
| 1941 | | | Harpenden H.M.S. | 1/4 mi | N.E. | Harpenden | 1/4 mi | NNE. |

Station No. 934/5

M.W.R.

51

RAINFALL at HARPENDEN (KOTHAMSTER) 6County of HERTFORDSHIREObserver LAWES AGRICULTURAL TRUST,River Basin THAMES, COLNE & BRENT - 2

Type of Gauge M.O. (+A)

Annual Average 2.73 in. based on years obs. un-weighted. Period of average 196-1950 = 15263/83 P
27.58 - 7 - 1950-1956 " " File No. 201001/40

| Diameter | 5" | | | 276 | 539 | | | | | | |
|-----------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|--------|
| Height | 1' 0" | | | | | 1 | | | | | |
| Altitude | 420' | | | | | 51 | | | | | |
| Year | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January | 3.37 | 1.92 | 1.14 | 1.11 | 2.62 | 4.51 | 1.33 | 2.76 | 3.19 | 2.66 | 24.61 |
| February | 4.68 | .70 | 2.17 | 2.25 | 2.24 | .60 | 3.04 | 3.06 | .05 | 2.45 | 21.24 |
| March | 3.35 | 2.84 | .47 | 2.51 | 1.34 | .99 | 1.18 | 1.79 | 2.45 | 1.61 | 18.51 |
| April | 2.76 | 2.01 | 2.51 | .27 | .44 | 1.10 | .29 | 1.23 | 2.32 | 0.54 | 13.47 |
| May | 2.53 | 1.72 | 1.65 | 2.83 | 4.56 | .56 | 1.28 | 1.98 | 1.27 | 1.52 | 19.40 |
| June | 1.03 | .81 | 2.22 | 3.53 | 2.00 | 3.75 | 2.29 | 4.57 | 1.07 | 1.71 | 22.98 |
| July | 1.23 | .55 | 3.81 | 3.47 | .20 | 2.48 | 2.51 | 1.88 | 4.41 | 3.03 | 23.52 |
| August | 3.72 | 5.13 | 1.53 | 3.58 | .75 | 5.02 | 2.14 | 3.35 | 1.57 | 3.40 | 30.16 |
| September | 3.30 | 3.68 | 1.96 | 1.77 | 1.71 | 2.14 | 3.07 | 3.41 | .13 | 3.76 | 24.93 |
| October | 1.19 | 2.94 | 2.93 | 1.90 | 3.05 | 1.74 | 2.38 | 2.48 | 2.18 | 6.23 | 26.98 |
| November | 5.19 | 4.04 | 1.76 | 5.13 | 1.95 | .80 | 2.06 | 2.31 | 2.22 | 4.19 | 29.71 |
| December | 2.06 | 2.82 | .61 | 1.96 | 2.44 | 3.72 | 2.25 | 3.36 | 4.43 | 3.66 | 27.37 |
| TOTALS | 3441 | 29.22 | 22.76 | 29.73 | 2330 | 27.34 | 23.82 | 32.20 | 25.29 | 34.76 | 280.28 |

1951 Witch Elm Tree 60' 63 yds S:

1955 Station inspected on 5/10/55 by D.T. Tribble. Satisfactory.

1958 Inspect. F.H. DIGIT - Satisfactory.

* At present, the averages for 935 are being used. 3 Rainfall

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference TL/52/132154

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| 1951 | | | Harpenden | 3/4 mi | NE | Harpenden | 3/4 mi N.E. |

Summary of Earlier Records from 10-year Sheets : Period beginning refer to Sta 934 1916-1950, P accepted

| Record D, or d | | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-------------------|--|---------|---------|---------|------------|---------|
| | | ✓ | ✓ | ✓ | ✓ comp. 46 | ✓ ✓ |

Station No. 935

RAINFALL at HARPENDEN & ROTHAMSTED, No 1.

County of HERTFORDSHIRE

Observer LAWES AGRICULTURAL TRUST,

River Basin THAMES, COLNE & BRENT - 2

Type of Gauge: SWENSON

Type of Gauge... SWENSON

Annual Average 27.3 in. based on..... years obs. un-weighted. Period of average 1851-1915 Ref. A.W.S.
26.57 - - 55 " 1916-1950 1916-1950 File No. 7A, 201091/40 P

1951 Hybrid Elm Tree 60' 63 yd S.

MET.D.B RAINMASTER
RÉTROSPECTIVE SITE

HYD. STN.
NUMBER 276537

NGR: TL(52) 132134

420 128 metres Rate of ascent 13/10

(M. & J. Brown-10)

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference 7452132134

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge. | Direction |
|------------------|---------|-------|------------------|---------------------|-----------|----------------|----------------------|-----------|
| 19 th | | | Hastings | 3 1/4 mi | NE | Hastings | 3 1/4 mi | NNE |

Summary of Earlier Records from 10-year Sheets:

1916-1950. P- accepted

| | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-------------------|---------|---------|---------|---------|---------|
| Record D, or d | | c 1924 | ✓ | ✓ | |
| | | ✓ | ✓ | ✓ | |

Station No. 935

51

RAINFALL at HARPENDEP & ROTHAMSTED NO 1

County of HERTFORDSHIRE

Observer KYNES AGRICULTURAL TRUST

River Basin THAMES, COLNE & BRENT - 2

Type of Gauge SNOWDON

Annual Average 7.3 in. based on years obs. un-weighted. Period of average 1881- 1915
 26.57 - - 35 " 1916-1950

Ref. A.W.S. P

File No. 99 201091/40

| Diameter | 5" | | | | | | | | | | |
|-----------|-------|------|------|------|------|------|------|------|------|------|-------|
| Height | 1' 0" | | | | | | | | | | |
| Altitude | 420' | | | | | | | | | | |
| Year | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January | 3.21 | | | | | | | | | | |
| February | 4.64 | | | | | | | | | | |
| March | 3.27 | | | | | | | | | | |
| April | 2.68 | | | | | | | | | | |
| May | 2.46 | | | | | | | | | | |
| June | 1.05 | | | | | | | | | | |
| July | 1.22 | | | | | | | | | | |
| August | 3.73 | | | | | | | | | | |
| September | 3.34 | | | | | | | | | | |
| October | 1.18 | | | | | | | | | | |
| November | 5.22 | | | | | | | | | | |
| December | 2.01 | | | | | | | | | | |
| TOTALS | 34.01 | | | | | | | | | | |

1951 Height Elm Tree 60' 63yd S.

MET.O.B. RAINFOREST
RETROSPECTIVE SITE REVIEW

HYD. STN. NUMBER 276537

NGR: TL(52) 132134

420 TIME 128 metres. Date of review 17/6/80

(See Annexes)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference TL(52) 132134

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| 1951 | | | Harpender | 3/4 mi | N.E | Harpender | 3/4 mi N.N.E. |

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 |
|----------------|--|---------|---------|---------|---------|---------|
| | | | C 1924 | / | / | / |

Station No. 936

51

RAINFALL at HARPENDEN (ROTHAMSTED)

County of HERTFORDSHIRE

Observer LAWES AGRICULTURAL TRUST,

River Basin THAMES, COLNE & BRENT - 2

Type of Gauge.

Annual Average 28.6 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.
 28.41 " " 35 " 1916-1950 1916-1959 P
 File No. 660 449/26

| Diameter | 72 x 87 | | | 276 | 540 | | | | | | | |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Height | 0' 0" | | | | | 1 | | | | | | |
| Altitude | 420' | | | | | 51 | | | | | | |
| Year | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means | Total |
| January | 3.49 | 1.92 | 1.21 | 1.21 | 2.75 | 4.63 | 1.44 | 2.84 | 3.30 | 2.78 | 25.57 | |
| February | 4.74 | .70 | 2.47 | 2.33 | 2.31 | .68 | 3.17 | 3.45 | .09 | 2.63 | 22.57 | |
| March | 3.61 | 2.84 | .58 | 2.59 | 1.45 | 1.03 | 1.26 | 1.85 | 2.63 | 1.70 | 19.51 | |
| April | 2.85 | 2.01 | 2.63 | .30 | .49 | 1.15 | .32 | 1.26 | 2.47 | .57 | 14.05 | |
| May | 2.62 | 1.72 | 1.73 | 2.47 | 4.62 | .68 | 1.39 | 2.04 | 1.28 | 1.58 | 20.08 | |
| June | 1.15 | .81 | 2.30 | 3.67 | 2.11 | 3.93 | 2.43 | 4.67 | 1.15 | 1.80 | 24.02 | |
| July | 1.31 | .55 | 3.96 | 3.63 | .25 | 2.54 | 2.64 | 2.03 | 4.51 | 3.20 | 24.62 | |
| August | 3.92 | 5.13 | 1.66 | 3.63 | .81 | 5.34 | 2.21 | 3.55 | 1.65 | 3.58 | 31.54 | |
| September | 3.47 | 3.68 | 2.12 | 1.96 | 1.88 | 2.28 | 3.33 | 3.61 | .16 | 3.93 | 26.42 | |
| October | 1.31 | 2.94 | 3.03 | 2.10 | 3.29 | 1.85 | 2.51 | 2.62 | 2.39 | 6.51 | 28.55 | |
| November | 5.39 | 4.04 | 1.90 | 5.31 | 2.07 | .85 | 2.18 | 2.46 | 2.39 | 4.44 | 31.03 | |
| December | 2.12 | 2.88 | .71 | 2.00 | 2.60 | 3.86 | 2.32 | 3.50 | 4.68 | 3.65 | 28.32 | |
| TOTALS | 35.98 | 29.22 | 24.27 | 31.20 | 24.63 | 28.77 | 25.26 | 33.88 | 26.70 | 36.37 | 296.28 | |
| | D | D | D | D | D | D | D | D | D | D | D | |

1955. Witch Elm Tree 60', 6340 S

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference TL (52) 182134

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| 1951 | | | Harpden | 3/4 mi | NE | Harpden | 3/4 mi NNE |

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 |
|-------------------|---------------|---------|---------|----------|---------|---------|
| | | | c 1923 | ✓ | ✓ | ✓ |
| (6a) | Wt. 13072-389 | 10M | 6/50 | T.S. 841 | | |