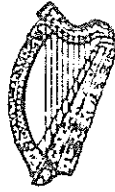


METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

AUGUST 1980

The Weather of August

The first half of August was very dull and rather broken - most of the monthly rainfall occurred in the first two weeks. Rainfall amounts for the period were particularly heavy in southern, midland and eastern regions but in the extreme west and northwest amounts were considerably less and weather conditions were generally better.

A southeast to southwest airflow prevailed throughout the period. A major incursion of warm humid air occurred on the 6th/7th and there were prolonged spells of heavy rain mainly in the southern half of the country. Extreme western and northern regions escaped with little or small amounts on both days. Except for heavy showers in western regions the weather was generally dry elsewhere on the 8th. A return to warm humid conditions on the 9th brought further spells of rain to all regions until the 14th.

The 15th was dry and sunny but further outbreaks of rain or showers occurred in a west to northwest airflow between the 16th and 20th. Northern regions received heaviest falls in this period while rainfall amounts in other regions were considerably less than in the previous weeks. After this high pressure dominated for a spell and in marked contrast to the early part of the month, it was dry and mostly sunny between the 20th and 26th. Changeable weather returned on the 27th and there was rain nearly everywhere on most days until the end of the month.

Monthly Amounts of Precipitation were well above normal except in the west, much of the north and parts of the southmidlands, varying from 145% of normal at Valentia to 43% of normal at Belmullet. Wettest days occurred in the period 4th to 8th, 12th and 28th/29th - in excess of 25 mm occurred at many stations on the 6th. In the period from July 17 to August 14 rainfall ranged from in excess of 250% of average (for the period) in the south and southwest to some 130% of average in the north-midlands. Weather suitable to the spread of potato blight was abnormally high in the latter period, ranging from some 300 to 400% of average in southern and eastern regions to less than 50% in parts of the north-midlands.

Mean Monthly Air Temperature was above normal except in the southwest, south, southeast and the extreme west where it was below normal. It ranged from 0.5 °C above normal at Clones to 0.5 °C below normal at Raches Point. Soil temperatures (at 100 mm), generally below normal, ranged from 0.5 °C below normal at Rosslare to 0.7 °C above normal at Malin Head. Light ground frost occurred on occasions in the latter part of the month at Kilkenny and Clones.

Mean Duration of Bright Sunshine was generally well below normal, ranging from 96% of normal at Rosslare to 52% of normal at Shannon Airport. The first 14 days were particularly dull. It was the duller summer (June to August) at Birr (58% of normal) and Cahirciveen (61%) since records began late in the last century.

Strong and gusty breezes were largely absent.

Summary. The month was dull; the first 14 days in particular were very dull and wet.

The data contained in this Bulletin are provisional. Some of the material in Table 1 will be published in its final form later in the Monthly Weather Report; final values of Solar Radiation at stations; marked "e" in Table 2 will be published in the Annual Summary of Solar Radiation.

TABLE 1

August, 1980

| STATION | PERIOD | RAINFALL (MM.) | | | | TEMPERATURE °C | | | | | | | | | | | | | | BRIGHT SUNSHINE | | WIND | |
|------------------------------------|--------|----------------|--------------|-----------|----------|----------------|-----------|------------|-----------------------------|-------------|------|---------------------------------|--------------------------|---------------------|------|------------------------|------------|-------------------------|------|-------------------|--------------|--------------------------------|----------------------|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | | | | GROUND | | | SOIL (10 CM) | | | | MEAN DAILY (HRS.) | % OF AVERAGE | MEAN SPEED (ms ⁻¹) | DAYS WITH GALE GUSTS |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | AND DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST ABOVE 2.4°C | DEGREE DAYS ABOVE 10.0°C | LOWEST "GRASS-MIN." | DATE | DAYS WITH GROUND FROST | MEAN DAILY | DIFFERENCE FROM AVERAGE | | | | | |
| Carlow (Oak Park) Co. Carlow | 1-10 | 56.5 | / | 8 | 8 | 18.6 | 11.9 | 15.2 | / | 9.5 | 09 | 0 | 109 | 53 | 5.0 | 02 | 0 | / | / | 1.85 | / | 3 | / |
| | 11-20 | 16.1 | / | 5 | 3 | 19.8 | 12.6 | 16.2 | / | 9.0 | 19 | 0 | 118 | 62 | 6.0 | 19 | 0 | / | / | 3.43 | / | 4 | / |
| | 21-end | 8.6 | / | 3 | 2 | 18.4 | 8.9 | 15.1 | / | 3.0 | 25 | 0 | 93 | 37 | -0.5 | 25 | 1 | / | / | 4.27 | / | 2 | / |
| | Month | 81.2 | / | 15 | 13 | 18.9 | 11.1 | 15.0 | / | 3.0 | 25 | 0 | 320 | 152 | -0.5 | 25 | 1 | / | / | 3.22 | / | 3 | / |
| Shannon Airport Co. Clare | 1-10 | 61.5 | - | 9 | 7 | 18.8 | 13.0 | 15.9 | - | 9.1 | 08 | 0 | 115 | 59 | 6.5 | 08 | 0 | 16.6 | - | 1.67 | - | 4 | 0 |
| | 11-20 | 31.1 | - | 8 | 5 | 18.6 | 13.5 | 16.0 | - | 10.5 | 19 | 0 | 117 | 61 | 10.8 | 15 | 0 | 16.0 | - | 2.20 | - | 6 | 0 |
| | 21-end | 21.5 | - | 3 | 3 | 18.7 | 11.5 | 15.1 | - | 7.4 | 23 | 0 | 119 | 63 | 6.6 | 25 | 0 | 16.1 | - | 3.72 | - | 3 | 0 |
| | Month | 114.1 | 139 | 20 | 15 | 18.7 | 12.6 | 15.7 | +0.1 | 7.4 | 23 | 0 | 351 | 183 | 6.5 | 08 | 0 | 16.4 | -0.3 | 2.57 | 52 | 4 | 0 |
| Fermoy (Moore Park) Co. Cork | 1-10 | 48.0 | - | 10 | 8 | 19.0 | 12.1 | 15.6 | / | 9.5 | 08 | 0 | 112 | 56 | 8.5 | 08 | 0 | / | / | 2.46 | / | 2 | / |
| | 11-20 | 22.5 | - | 5 | 3 | 19.5 | 9.5 | 14.5 | / | 5.4 | 19 | 0 | 101 | 45 | 4.0 | 17 | 0 | / | / | 3.15 | / | 3 | / |
| | 21-end | 16.0 | - | 3 | 2 | 18.2 | 9.5 | 13.8 | / | 4.1 | 23 | 0 | 108 | 52 | 0.0 | 23 | 0 | / | / | 4.24 | / | 2 | / |
| | Month | 86.5 | 112 | 18 | 13 | 18.9 | 10.3 | 14.6 | / | 4.1 | 23 | 0 | 321 | 153 | 0.0 | 23 | 0 | / | / | 3.31 | / | 2 | / |
| Mallow Co. Cork | 1-10 | 44.0 | - | 8 | 7 | 18.6 | 13.0 | 15.8 | / | 10.6 | 08 | 0 | 114 | 58 | 8.1 | 08 | 0 | / | / | 1.74 | / | / | / |
| | 11-20 | 16.8 | - | 7 | 3 | 19.3 | 12.1 | 15.7 | / | 6.2 | 19 | 0 | 113 | 57 | 4.6 | 19 | 0 | / | / | 2.57 | / | / | / |
| | 21-end | 10.5 | - | 2 | 2 | 18.9 | 10.9 | 14.9 | / | 6.0 | 25 | 0 | 105 | 49 | 3.0 | 24 | 0 | / | / | 4.09 | / | / | / |
| | Month | 71.3 | 84 | 17 | 12 | 18.9 | 11.9 | 15.4 | / | 6.0 | 25 | 0 | 332 | 164 | 3.0 | 24 | 0 | / | / | 2.84 | / | / | / |
| Roche's Point Co. Cork | 1-10 | 51.7 | - | 9 | 9 | 17.2 | 13.0 | 15.1 | - | 11.5 | 01 | 0 | 108 | 52 | 6.5 | 09 | 0 | 16.2 | - | 2.77 | - | 5 | 0 |
| | 11-20 | 36.5 | - | 5 | 4 | 17.9 | 12.6 | 15.2 | - | 9.4 | 19 | 0 | 109 | 53 | 7.1 | 19 | 0 | 16.3 | - | 5.80 | - | 6 | 0 |
| | 21-end | 18.0 | - | 4 | 3 | 17.4 | 12.1 | 14.7 | - | 8.7 | 23 | 0 | 114 | 58 | 4.6 | 23 | 0 | 16.2 | - | 5.37 | - | 4 | 0 |
| | Month | 106.2 | 142 | 18 | 16 | 17.5 | 12.5 | 15.0 | -0.5 | 8.7 | 23 | 0 | 331 | 163 | 4.6 | 23 | 0 | 16.2 | -0.2 | 4.67 | 83 | 5 | 0 |
| Glencolumbkille Co. Donegal | 1-10 | 30.6 | / | 7 | 6 | 18.2 | 12.4 | 15.3 | / | 10.6 | 05 | 0 | 109 | 53 | 5.0 | 05 | 0 | / | / | 3.46 | / | 2 | / |
| | 11-20 | 32.3 | / | 9 | 7 | 17.4 | 12.2 | 14.8 | / | 9.8 | 19 | 0 | 104 | 48 | 3.5 | 19 | 0 | / | / | 2.39 | / | 5 | / |
| | 21-end | 9.1 | / | 8 | 3 | 17.5 | 11.2 | 14.5 | / | 7.5 | 25 | 0 | 100 | 44 | -1.0 | 25 | 1 | / | / | 4.81 | / | 3 | / |
| | Month | 72.0 | / | 24 | 16 | 17.7 | 11.9 | 14.8 | / | 7.5 | 25 | 0 | 313 | 145 | -1.0 | 25 | 1 | / | / | 3.59 | / | 3 | / |
| Glenties Co. Donegal | 1-10 | 20.5 | - | 5 | 4 | 18.8 | 11.5 | 15.2 | / | 7.8 | 08 | 0 | 108 | 52 | 4.0 | 08 | 0 | / | / | 2.78 | / | / | / |
| | 11-20 | 33.8 | - | 8 | 7 | 18.1 | 11.6 | 14.9 | / | 8.0 | 15 | 0 | 105 | 49 | 3.5 | 15 | 0 | / | / | 2.69 | / | / | / |
| | 21-end | 7.1 | - | 7 | 4 | 17.7 | 9.9 | 13.8 | / | 5.0 | 25 | 0 | 94 | 38 | 2.0 | 25 | 0 | / | / | 4.32 | / | / | / |
| | Month | 61.4 | 49 | 20 | 15 | 18.2 | 11.0 | 14.6 | / | 5.0 | 25 | 0 | 307 | 139 | 2.0 | 25 | 0 | / | / | 3.30 | / | / | / |

Notes on the tables in January issue

TABLE 1 (Continued)

August, 1980

| STATION | PERIOD | RAINFALL (MM.) | | | | TEMPERATURE °C | | | | | | | | | | | | | | BRIGHT SUNSHINE | | WIND | |
|---|--------|----------------|--------------|-----------|----------|----------------|-----------|------------|-----------------------------|-------------|------|---------------------|-----------------------|--------------------------|---------------------|------|------------------------|------------|-------------------------|-------------------|--------------|------------------|----------------------|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | | | | GROUND | | | | SOIL (10 CM) | | | MEAN DAILY (HRS.) | % OF AVERAGE | MEAN SPEED (MPH) | DAYS WITH GALE GUSTS |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | AND DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST | DEGREE DAYS ABOVE 4°C | DEGREE DAYS ABOVE 10.0°C | LOWEST "GRASS-MIN." | DATE | DAYS WITH GROUND FROST | MEAN DAILY | DIFFERENCE FROM AVERAGE | | | | |
| Malin Head e Co. Donegal | 1-10 | 30.7 | - | 6 | 6 | 16.7 | 12.2 | 14.5 | - | 10.4 | 09 | 0 | 101 | 45 | 7.1 | 01 | 0 | 16.2 | - | 3.07 | - | 4 | 0 |
| | 11-20 | 52.1 | - | 9 | 7 | 17.5 | 12.7 | 15.1 | - | 11.0 | 20 | 0 | 107 | 51 | 8.0 | 16 | 0 | 16.1 | - | 2.40 | - | 8 | 0 |
| | 21-end | 14.9 | - | 4 | 2 | 16.7 | 11.3 | 14.0 | - | 7.8 | 25 | 0 | 107 | 51 | 5.2 | 24 | 0 | 15.2 | - | 4.16 | - | 5 | 0 |
| | Month | 97.7 | 106 | 19 | 15 | 16.9 | 12.0 | 14.5 | +0.3 | 7.8 | 25 | 0 | 315 | 147 | 5.2 | 24 | 0 | 15.8 | +0.7 | 3.24 | 69 | 6 | 0 |
| Casement Aerodrome Co. Dublin | 1-10 | 74.7 | - | 8 | 8 | 18.6 | 11.6 | 15.1 | - | 5.6 | 02 | 0 | 107 | 51 | 1.0 | 02 | 0 | 16.0 | - | 2.57 | - | 4 | 0 |
| | 11-20 | 18.1 | - | 8 | 5 | 19.5 | 11.9 | 15.7 | - | 9.1 | 15 | 0 | 113 | 57 | 5.3 | 16 | 0 | 16.2 | - | 3.76 | - | 6 | 0 |
| | 21-end | 5.6 | - | 3 | 2 | 18.9 | 9.1 | 14.0 | - | 3.9 | 25 | 0 | 107 | 51 | 0.6 | 25 | 0 | 15.7 | - | 6.58 | - | 4 | 0 |
| | Month | 98.4 | 125 | 19 | 15 | 19.0 | 10.8 | 14.9 | +0.0 | 3.9 | 25 | 0 | 327 | 159 | 0.6 | 25 | 0 | 16.0 | - | 4.38 | 86 | 5 | 0 |
| Dublin Airport e Co. Dublin | 1-10 | 69.1 | - | 9 | 9 | 17.8 | 12.5 | 15.2 | - | 10.3 | 02 | 0 | 108 | 52 | 5.4 | 02 | 0 | 17.0 | - | 2.58 | - | 3 | 0 |
| | 11-20 | 22.3 | - | 6 | 6 | 19.4 | 12.7 | 16.1 | - | 10.7 | 19 | 0 | 117 | 61 | 7.7 | 16 | 0 | 16.9 | - | 4.20 | - | 6 | 0 |
| | 21-end | 6.2 | - | 2 | 2 | 18.6 | 10.6 | 14.6 | - | 6.7 | 23 | 0 | 112 | 56 | 0.5 | 24 | 0 | 16.9 | - | 6.80 | - | 4 | 0 |
| | Month | 97.6 | 124 | 17 | 17 | 18.6 | 11.9 | 15.3 | +0.3 | 6.7 | 23 | 0 | 337 | 169 | 0.5 | 24 | 0 | 16.9 | +0.4 | 4.60 | 88 | 4 | 0 |
| Kinsealy Co. Dublin | 1-10 | 68.5 | - | 9 | 8 | 17.8 | 13.2 | 15.5 | / | 8.4 | 01 | 0 | 111 | 55 | 3.8 | 01 | 0 | / | / | 2.42 | / | 3 | / |
| | 11-20 | 17.6 | - | 7 | 3 | 19.4 | 11.3 | 15.4 | / | 9.0 | 15 | 0 | 110 | 54 | 6.3 | 15 | 0 | / | / | 4.27 | / | 5 | / |
| | 21-end | 7.2 | - | 2 | 2 | 18.4 | 11.8 | 15.1 | / | 5.5 | 27 | 0 | 107 | 51 | 1.9 | 27 | 0 | / | / | 6.05 | / | 3 | / |
| | Month | 93.3 | 124 | 18 | 13 | 18.5 | 12.1 | 15.3 | / | 5.5 | 27 | 0 | 328 | 160 | 1.9 | 27 | 0 | / | / | 4.30 | / | 4 | / |
| Galway Co. Galway | 1-10 | 71.7 | - | 9 | 8 | 18.6 | 12.5 | 15.5 | - | 9.2 | 08 | 0 | 111 | 55 | 6.9 | 08 | 0 | 16.9 | - | 2.61 | - | 4 | 0 |
| | 11-20 | 38.9 | - | 8 | 7 | 17.9 | 12.7 | 15.3 | - | 11.0 | 15 | 0 | 109 | 53 | 10.0 | 15 | 0 | 16.6 | - | 4.03 | - | 6 | 0 |
| | 21-end | 11.8 | - | 3 | 3 | 18.4 | 10.4 | 14.4 | - | 6.1 | 23 | 0 | 110 | 54 | 3.1 | 23 | 0 | 16.3 | - | 4.79 | - | 3 | 0 |
| | Month | 122.4 | - | 20 | 18 | 18.3 | 11.8 | 15.0 | - | 6.1 | 23 | 0 | 330 | 162 | 3.1 | 23 | 0 | 16.6 | - | 3.84 | - | 4 | 0 |
| Killarney (Muckross Hse) Co. Kerry | 1-10 | 58.3 | / | 10 | 9 | 18.0 | 13.0 | 15.5 | / | 11.1 | 01 | 0 | 111 | 55 | 6.5 | 08 | 0 | / | / | 1.51 | / | / | / |
| | 11-20 | 34.1 | / | 9 | 6 | 18.1 | 12.5 | 15.3 | / | 7.6 | 19 | 0 | 109 | 53 | 4.2 | 19 | 0 | / | / | 2.52 | / | / | / |
| | 21-end | 14.8 | / | 5 | 3 | 17.8 | 11.3 | 14.6 | / | 7.6 | 25 | 0 | 102 | 46 | 3.0 | 25 | 0 | / | / | 3.07 | / | / | / |
| | Month | 107.2 | / | 24 | 18 | 18.0 | 12.2 | 15.1 | / | 7.6 | 19 | 0 | 322 | 154 | 3.0 | 25 | 0 | / | / | 2.39 | / | / | / |
| Cahiriveen e (Valentia Obsy.) Co. Kerry | 1-10 | 89.5 | - | 9 | 7 | 17.8 | 12.9 | 15.3 | - | 9.8 | 08 | 0 | 109 | 53 | 7.0 | 08 | 0 | 16.7 | - | 2.27 | - | 5 | 1 |
| | 11-20 | 34.9 | - | 7 | 3 | 17.3 | 13.2 | 15.3 | - | 10.5 | 19 | 0 | 109 | 53 | 8.2 | 15 | 0 | 16.5 | - | 2.59 | - | 6 | 0 |
| | 21-end | 20.4 | - | 3 | 3 | 18.3 | 12.3 | 15.3 | - | 9.3 | 25 | 0 | 120 | 64 | 5.9 | 25 | 0 | 16.6 | - | 3.92 | - | 4 | 0 |
| | Month | 144.8 | 145 | 19 | 13 | 17.8 | 12.8 | 15.3 | -0.1 | 9.3 | 25 | 0 | 338 | 170 | 5.9 | 25 | 0 | 16.6 | +0.1 | 2.96 | 61 | 5 | 1 |

Notes on the tables in January issue

TABLE 1 (Continued)

August, 1980

| STATION | PERIOD | RAINFALL (MM.) | | | | TEMPERATURE °C | | | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | |
|--|--------|----------------|--------------|-----------|----------|----------------|-----------|------------|-----------------------------|-------------|------|---------------------|-------------------------|--------------------------|---------------------|-------------------|--------------|--------------------------------|----------------------|------|------------------------|------------|-------------------------|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | | | GROUND | | SOIL (10 CM) | | MEAN DAILY (HRS.) | % OF AVERAGE | MEAN SPEED (MS ⁻¹) | DAYS WITH GALE GUSTS | | | | |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | AND DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST | DEGREE DAYS ABOVE 4.4°C | DEGREE DAYS ABOVE 10.0°C | LOWEST "GRASS-MIN." | | | | | DATE | DAYS WITH GROUND FROST | MEAN DAILY | DIFFERENCE FROM AVERAGE |
| Tralee Lisdara Co. Kerry | 1-10 | / | / | / | / | NOT AVAILABLE | | | | | | | | | | | | | | / | / | / | / |
| | 11-20 | / | / | / | / | NOT AVAILABLE | | | | | | | | | | | | | | / | / | / | / |
| | 21-end | / | / | / | / | NOT AVAILABLE | | | | | | | | | | | | | | / | / | / | / |
| | Month | / | / | / | / | NOT AVAILABLE | | | | | | | | | | | | | | / | / | / | / |
| Bullymore Co. Kildare | 1-10 | 62.5 | / | 10 | 8 | | 11.4 | | 7.7 | 08 | 0 | - | - | 2.0 | 08 | 0 | / | 2.08 | / | / | / | | |
| | 11-20 | 20.1 | / | 6 | 4 | NA | 12.0 | NA | 8.6 | 19 | 0 | - | - | 5.3 | 15 | 0 | / | 3.34 | / | NA | / | | |
| | 21-end | 18.8 | / | 3 | 2 | | 8.6 | | 0.7 | 25 | 0 | - | - | -1.5 | 25 | 1 | / | 4.75 | / | / | / | | |
| | Month | 101.4 | / | 19 | 14 | | 10.6 | | 0.7 | 25 | 0 | - | - | -1.5 | 25 | 1 | / | 3.43 | / | / | / | | |
| Kilkenny e Co. Kilkenny | 1-10 | 68.9 | - | 9 | 8 | 18.9 | 12.4 | 15.7 | - | 10.3 | 08 | 0 | 113 | 57 | 7.4 | 08 | 0 | 16.6 | - | 2.00 | - | 3 | 0 |
| | 11-20 | 20.9 | - | 6 | 3 | 19.8 | 12.5 | 16.2 | - | 6.7 | 19 | 0 | 118 | 62 | 3.6 | 19 | 0 | 17.1 | - | 3.62 | - | 4 | 0 |
| | 21-end | 7.3 | - | 2 | 2 | 18.3 | 9.2 | 13.8 | - | 2.9 | 25 | 0 | 103 | 47 | -0.4 | 25 | 1 | 16.6 | - | 3.61 | - | 2 | 0 |
| | Month | 97.1 | 135 | 17 | 13 | 19.0 | 11.3 | 15.1 | -0.1 | 2.9 | 25 | 0 | 334 | 166 | -0.4 | 25 | 1 | 16.7 | -0.2 | 3.09 | 58 | 3 | 0 |
| Mooncoin (Silverspring) Co. Kilkenny | 1-10 | 60.3 | - | 8 | 7 | 18.7 | 12.5 | 15.6 | / | 8.8 | 08 | 0 | 112 | 56 | 4.9 | 08 | 0 | / | / | 2.14 | / | / | / |
| | 11-20 | 25.2 | - | 5 | 3 | 19.7 | 12.5 | 16.1 | / | 8.0 | 19 | 0 | 117 | 61 | 3.3 | 19 | 0 | / | / | 4.07 | / | / | / |
| | 21-end | 14.3 | - | 2 | 2 | 18.4 | 8.6 | 13.5 | / | 2.6 | 25 | 0 | 91 | 45 | -0.9 | 25 | 2 | / | / | 5.34 | / | / | / |
| | Month | 99.8 | 119 | 15 | 12 | 18.9 | 11.1 | 15.0 | / | 2.6 | 25 | 0 | 320 | 162 | -0.9 | 25 | 2 | / | / | 3.90 | / | / | / |
| Ballinamore Co. Leitrim | 1-10 | 43.4 | - | 10 | 8 | 19.0 | 11.4 | 15.2 | / | 8.4 | 02 | 0 | 108 | 52 | 6.6 | 02 | 0 | / | / | 2.63 | / | 2 | / |
| | 11-20 | 34.3 | - | 9 | 8 | 18.2 | 11.6 | 14.9 | / | 9.4 | 16 | 0 | 105 | 49 | 8.4 | 16 | 0 | / | / | 2.30 | / | 3 | / |
| | 21-end | 5.2 | - | 4 | 2 | 18.3 | 9.6 | 14.0 | / | 4.4 | 24 | 0 | 109 | 53 | 3.7 | 24 | 0 | / | / | 4.31 | / | 2 | / |
| | Month | 82.9 | 80 | 23 | 18 | 18.5 | 10.8 | 14.7 | / | 4.4 | 24 | 0 | 322 | 154 | 3.7 | 24 | 0 | / | / | 3.12 | / | 2 | / |
| Ardee (Boharnamoe) Co. Louth | 1-10 | 43.9 | / | 10 | 7 | 19.2 | 11.2 | 15.2 | / | 5.9 | 02 | 0 | 108 | 52 | | | | / | / | / | / | / | / |
| | 11-20 | 7.4 | / | 6 | 4 | 20.0 | 10.7 | 15.3 | / | 8.1 | 16 | 0 | 110 | 54 | NA | NA | | / | / | / | / | / | / |
| | 21-end | 10.7 | / | 2 | 1 | 18.5 | 7.2 | 12.9 | / | 2.2 | 25 | 0 | 97 | 41 | | | | / | / | / | / | / | / |
| | Month | 62.0 | / | 18 | 12 | 19.2 | 9.6 | 14.4 | / | 2.2 | 25 | 0 | 315 | 147 | | | | / | / | / | / | / | / |
| Ballinrobe (Creagh) Co. Mayo | 1-10 | 45.5 | / | 8 | 7 | 18.4 | 12.1 | 15.2 | / | 8.8 | 09 | 0 | 109 | 53 | 3.9 | 09 | 0 | / | / | 2.66 | / | 3 | / |
| | 11-20 | 32.9 | / | 7 | 6 | 18.2 | 11.8 | 15.0 | / | 10.3 | 16 | 0 | 106 | 50 | 6.0 | 16 | 0 | / | / | 2.86 | / | 3 | / |
| | 21-end | 6.0 | / | 2 | 2 | 18.1 | 8.8 | 13.4 | / | 1.9 | 24 | 0 | 103 | 47 | -2.5 | 23 | 2 | / | / | 3.93 | / | 2 | / |
| | Month | 84.4 | / | 17 | 15 | 18.2 | 10.8 | 14.5 | / | 1.9 | 24 | 0 | 318 | 150 | -2.5 | 23 | 2 | / | / | 3.17 | / | 3 | / |

Notes on the tables in January issue

TABLE 1 (Continued)

August, 1980

| STATION | PERIOD | RAINFALL (MM.) | | | | TEMPERATURE °C | | | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | |
|----------------------------------|--------|----------------|--------------|-----------|----------|----------------|-----------|------------|-----------------------------|---------------|------|---------------------|-------------------------|--------------------------|---------------------|-------------------|--------------|-------------------|----------------------|------|------------------------|------------|-------------------------|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | | | GROUND | | SOIL (10 CM) | | MEAN DAILY (HRS.) | % OF AVERAGE | MEAN SPEED (ms-1) | DAYS WITH GALE GUSTS | | | | |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | AND DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST | DEGREE DAYS ABOVE 4.4°C | DEGREE DAYS ABOVE 10.0°C | LOWEST "GRASS-MIN." | | | | | DATE | DAYS WITH GROUND FROST | MEAN DAILY | DIFFERENCE FROM AVERAGE |
| Belmullet e Co. Mayo | 1-10 | 14.6 | - | 7 | 5 | 17.8 | 12.0 | 14.9 | - | 9.5 | 05 | 0 | 105 | 49 | 7.0 | 08 | 0 | 17.0 | - | 3.47 | - | 5 | 0 |
| | 11-20 | 15.4 | - | 9 | 5 | 16.7 | 12.1 | 14.4 | - | 10.1 | 15 | 0 | 100 | 44 | 7.2 | 15 | 0 | 16.0 | - | 1.96 | - | 7 | 0 |
| | 21-end | 9.3 | - | 5 | 3 | 17.4 | 10.5 | 13.9 | - | 4.7 | 24 | 0 | 105 | 49 | 1.6 | 24 | 0 | 16.4 | - | 4.60 | - | 4 | 0 |
| | Month | 39.3 | 43 | 21 | 13 | 17.3 | 11.5 | 14.4 | -0.3 | 4.7 | 24 | 0 | 310 | 142 | 1.6 | 24 | 0 | 16.4 | +0.4 | 3.38 | 68 | 5 | 0 |
| Claremorris e Co. Mayo | 1-10 | 47.4 | - | 10 | 8 | 18.3 | 11.9 | 15.1 | - | 9.3 | 08 | 0 | 108 | 52 | 7.4 | 08 | 0 | 16.0 | - | 2.18 | - | 4 | 0 |
| | 11-20 | 23.7 | - | 8 | 7 | 17.8 | 11.7 | 14.7 | - | 9.6 | 19 | 0 | 104 | 48 | 7.2 | 19 | 0 | 15.9 | - | 2.10 | - | 5 | 0 |
| | 21-end | 5.9 | - | 3 | 2 | 18.0 | 8.8 | 13.4 | - | 2.7 | 24 | 0 | 99 | 43 | 0.3 | 24 | 0 | 15.1 | - | 3.51 | - | 3 | 0 |
| | Month | 77.0 | 79 | 21 | 17 | 18.0 | 10.7 | 14.4 | +0.0 | 2.7 | 24 | 0 | 311 | 143 | 0.3 | 24 | 0 | 15.6 | +0.1 | 2.63 | 61 | 4 | 0 |
| Glenamoy Co. Mayo | 1-10 | | | | | | | | | | | | | | | | | | | | | | |
| | 11-20 | | | | | | | | | NOT AVAILABLE | | | | | | | | | | | | | |
| | 21-end | | | | | | | | | | | | | | | | | | | | | | |
| | Month | | | | | | | | | | | | | | | | | | | | | | |
| Dunsany (Grange) Co. Meath | 1-10 | 52.0 | - | 8 | 8 | 18.1 | 11.6 | 14.8 | | 9.0 | 02 | 0 | 105 | 49 | 1.3 | 02 | 0 | | | 1.82 | | | |
| | 11-20 | 15.8 | - | 7 | 5 | NA | NA | NA | | NA | | NA | NA | NA | NA | NA | NA | | | 3.14 | | NA | |
| | 21-end | 13.5 | - | 2 | 2 | | | | | | | | | | | | | | | 4.50 | | | |
| | Month | 81.3 | 95 | 17 | 15 | | | | | | | | | | | | | | | 3.20 | | | |
| Clones e Co. Monaghan | 1-10 | 38.8 | - | 9 | 9 | 18.9 | 11.8 | 15.3 | - | 9.7 | 08 | 0 | 110 | 54 | 2.7 | 08 | 0 | 15.8 | - | 2.45 | - | 3 | 0 |
| | 11-20 | 25.2 | - | 9 | 7 | 18.5 | 11.9 | 15.2 | - | 10.4 | 19 | 0 | 108 | 52 | 3.9 | 15 | 0 | 15.5 | - | 2.03 | - | 5 | 0 |
| | 21-end | 14.2 | - | 4 | 2 | 18.2 | 9.7 | 13.9 | - | 4.3 | 24 | 0 | 105 | 49 | -2.1 | 24 | 2 | 14.7 | - | 4.63 | - | 3 | 0 |
| | Month | 78.2 | 81 | 22 | 18 | 18.5 | 11.1 | 14.8 | +0.5 | 4.3 | 24 | 0 | 323 | 155 | -2.1 | 24 | 2 | 15.3 | -0.4 | 3.09 | 79 | 4 | 0 |
| Birr o Co. Offaly | 1-10 | 38.4 | - | 8 | 6 | 18.7 | 12.3 | 15.5 | - | 9.6 | 08 | 0 | 111 | 55 | 6.4 | 01 | 0 | 16.7 | - | 1.86 | - | 3 | 0 |
| | 11-20 | 21.7 | - | 8 | 4 | 18.9 | 12.6 | 15.7 | - | 8.6 | 19 | 0 | 114 | 58 | 5.5 | 19 | 0 | 17.0 | - | 3.30 | - | 5 | 0 |
| | 21-end | 10.7 | - | 3 | 2 | 18.3 | 10.0 | 14.2 | - | 4.1 | 23 | 0 | 108 | 52 | 0.6 | 25 | 0 | 16.8 | - | 3.99 | - | 3 | 0 |
| | Month | 70.8 | 84 | 19 | 12 | 18.6 | 11.6 | 15.1 | +0.0 | 4.1 | 23 | 0 | 333 | 165 | 0.6 | 25 | 0 | 16.8 | +0.3 | 3.08 | 62 | 4 | 0 |
| Thurles Co. Tipperary | 1-10 | | | | | | | | | | | | | | | | | | | | | | |
| | 11-20 | | | | | | | | | NOT AVAILABLE | | | | | | | | | | | | | |
| | 21-end | | | | | | | | | | | | | | | | | | | | | | |
| | Month | | | | | | | | | | | | | | | | | | | | | | |

Notes on the tables in January issue

TABLE 2

SOLAR RADIATION (GLOBAL), POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE

August, 1980

| STATION | PERIOD | SOLAR RADIATION | P.E. (mm) | SOIL MOISTURE (mm) | | |
|--|--------|---------------------------------|-----------|--------------------|------------------------|---------|
| | | Amount Joule/cm ² | Amount | Deficit | Accumulated Deficit | Surplus |
| Carlow (Oak Park) Co. Carlow | 1-10 | | 15 | - | 0 | 42 |
| | 11-20 | - | 13 | - | 0 | 2 |
| | 21-end | | 22 | 14 | 14 | - |
| | Month | | 50 | - | - | - |
| Kinsealy* Co. Dublin | 1-10 | 10984 | 24 | - | 3 | 45 |
| | 11-20 | 12284 | 18 | 1 | 4 | - |
| | 21-end | 15000 | 12 | 4 | 8 | - |
| | Month | 38268 | 54 | - | - | - |
| Cahirciveen e (Valentia Obsy.) Co. Kerry | 1-10 | 11250 | 22 | - | 0 | 60 |
| | 11-20 | 10812 | 6 | - | 0 | 35 |
| | 21-end | 13888 | 22 | 3 | 3 | - |
| | Month | 35950 | 50 | - | - | - |
| Kilkenny e Co. Kilkenny | 1-10 | 11782 | | | | |
| | 11-20 | 13827 | - | - | - | - |
| | 21-end | 14085 | | | | |
| | Month | 39694 | | | | |
| Ballinamore Co. Leitrim | 1-10 | | 13 | - | 0 | 18 |
| | 11-20 | - | 18 | - | 0 | 29 |
| | 21-end | | 14 | 9 | 9 | - |
| | Month | | 45 | - | - | - |
| Glenamoy/ Co. Mayo | 1-10 | | | | | |
| | 11-20 | | | | | |
| | 21-end | | | | | |
| | Month | | | | | |
| Birr e Co. Offaly | 1-10 | 12135 | | | | |
| | 11-20 | 13550 | - | - | - | - |
| | 21-end | 14577 | | | | |
| | Month | 40262 | | | | |
| Johnstown Castle Co. Wexford | 1-10 | | 17 | - | 0 | 69 |
| | 11-20 | | 5 | - | 0 | 30 |
| | 21-end | - | 24 | 6 | 6 | - |
| | Month | | 46 | - | - | - |

*, /, See notes in January issue.