

# METEOROLOGICAL SERVICE



## AGROMETEOROLOGICAL BULLETIN

MARCH 1978

### The Weather of March

With winds mostly between south and west in direction, the first fortnight of March was fairly mild. The only dry spell was between 3rd and 5th.

During the remainder of the month colder westerly winds were predominant. From time to time the Atlantic rain-belts moved quickly eastwards across the country but for the most part the weather was a mixture of showers and sunshine. Hail showers were frequent and conditions were made extremely harsh by the strong and blustery winds. Showers were of snow in many areas on 15th, 16th, 23rd and 25th and in the north on 20th.

Mean Monthly Rainfall Amounts ranged from 200% to 240% of normal in counties with west-facing coasts. At Malin Head it was the wettest March since records began there in 1885. In the midlands amounts were between 150% and 200% of normal while the east and south had between 90% and 130% of normal rainfall. It was the predominance of unstable, showery westerlies which caused this marked west-east gradient in rainfall amounts.

Mean Monthly Air Temperatures were quite close to normal in most places but ranged from 0.8°C below normal at Valentia Observatory to 0.4°C above normal at Dublin Airport. Mean air temperatures were about 0.5°C above normal during the first fortnight. Air frost affected some areas between 3rd and 5th. Ground frosts were frequent during the second half of March especially between 15th and 26th when day-time temperatures were well below normal on all but three days. Air temperatures between -3°C and -5°C were recorded between 16th and 18th. Day-time temperatures were about normal in the period 27th to 31st and nights were less cold.

Soil temperatures at 10 cm. (4 inches) were between 1°C and 1.5°C above normal during the first fortnight, fell to about 1°C below normal between 15th and 25th but recovered to 0.5°C or less below normal at the end of the month. Mean values for the month were normal or above in most areas but were below normal in south-Munster.

Strong Winds affected most areas on 13th and 14th and between 19th and 29th. The range of gusts was from 20 to 31 ms<sup>-1</sup> (40 to 60 kts) but a few gusts in excess of 36 ms<sup>-1</sup> (70 Kts) were reported.

Summary. After a mild start the second half of March was cold, windy and showery. Rainfall was above normal except in parts of the southeast.

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

March, 1978

| 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 <sup>-1</sup> ) | DAYS WITH GALE GUSTS |
|                                    |        |                |              |           |          | MEAN MAX.      | MEAN MIN. | MEAN DAILY | AND DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST ABOVE 4.4°C | DEGREE DAYS ABOVE 10.0°C | LOWEST "GRASS-MIN." | DATE | DAYS WITH GROUND FROST | MEAN DAILY | DIFFERENCE FROM AVERAGE |      |                   |              |                                |                      |
| Carlow<br>(Oak Park)<br>Co. Carlow | 1-10   | 7.8            | /            | 5         | 3        | 10.8           | 3.5       | 7.2        | /                           | -2.0        | 05   | 3                               | 28                       | 0                   | -8.0 | 05                     | 3          | /                       | /    | 2.81              | /            | 4                              | /                    |
|                                    | 11-20  | 15.0           | /            | 8         | 5        | 9.3            | 2.7       | 6.0        | /                           | -1.6        | 18   | 3                               | 20                       | 0                   | -6.6 | 18                     | 6          | /                       | /    | 3.31              | /            | 6                              | /                    |
|                                    | 21-end | 24.1           | /            | 11        | 9        | 10.6           | 3.2       | 6.9        | /                           | 0.0         | 26   | 0                               | 28                       | 0                   | -2.2 | 30                     | 4          | /                       | /    | 5.55              | /            | 7                              | /                    |
|                                    | Month  | 46.9           | /            | 24        | 17       | 10.3           | 3.1       | 6.7        | /                           | -2.0        | 05   | 6                               | 76                       | 0                   | -8.0 | 05                     | 13         | /                       | /    | 3.95              | /            | 6                              | /                    |
| Shannon Airport<br>Co. Clare       | 1-10   | 22.4           | -            | 6         | 4        | 11.1           | 5.3       | 8.2        | -                           | -1.0        | 04   | 1                               | 38                       | 0                   | -7.4 | 04                     | 2          | 7.4                     | -    | 2.41              | -            | 5                              | 0                    |
|                                    | 11-20  | 45.6           | -            | 10        | 9        | 10.4           | 3.3       | 6.9        | -                           | -1.1        | 16   | 1                               | 25                       | 2                   | -6.7 | 16                     | 5          | 7.0                     | -    | 2.60              | -            | 8                              | 3                    |
|                                    | 21-end | 53.8           | -            | 11        | 9        | 10.7           | 3.9       | 7.3        | -                           | 1.5         | 25   | 0                               | 33                       | 0                   | -0.2 | 26                     | 1          | 7.1                     | -    | 4.28              | -            | 9                              | 8                    |
|                                    | Month  | 121.8          | 214          | 27        | 22       | 10.7           | 4.2       | 7.5        | +0.1                        | -1.1        | 16   | 2                               | 96                       | 2                   | -7.4 | 04                     | 8          | 7.2                     | +0.2 | 3.14              | 91           | 7                              | 11                   |
| Fermoy<br>(Moore Park)<br>Co. Cork | 1-10   | 11.4           | /            | 7         | 4        | 10.8           | 3.9       | 7.4        | /                           | -1.0        | 04   | 3                               | 30                       | 0                   | -6.0 | 05                     | 4          | /                       | /    | 2.69              | /            | 3                              | /                    |
|                                    | 11-20  | 29.6           | /            | 8         | 7        | 9.8            | 2.5       | 6.2        | /                           | -3.2        | 18   | 3                               | 21                       | 0                   | -8.5 | 18                     | 5          | /                       | /    | 1.77              | /            | 5                              | /                    |
|                                    | 21-end | 46.4           | /            | 11        | 11       | 10.8           | 3.2       | 7.0        | /                           | 0.0         | 30   | 0                               | 29                       | 0                   | -5.5 | 30                     | 6          | /                       | /    | 4.74              | /            | 6                              | /                    |
|                                    | Month  | 87.4           | /            | 26        | 22       | 10.5           | 3.2       | 6.8        | /                           | -3.2        | 18   | 6                               | 80                       | 0                   | -8.5 | 18                     | 15         | /                       | /    | 3.12              | /            | 5                              | /                    |
| Mallow<br>Co. Cork                 | 1-10   | 11.3           | -            | 6         | 3        | 11.1           | 4.8       | 7.9        | /                           | -1.4        | 04   | 1                               | 36                       | 1                   | -6.7 | 04                     | 4          | /                       | /    | 2.52              | /            | /                              | /                    |
|                                    | 11-20  | 38.7           | -            | 9         | 9        | 10.2           | 3.2       | 6.7        | /                           | -2.0        | 18   | 2                               | 26                       | 1                   | -6.8 | 16                     | 4          | /                       | /    | 2.29              | /            | /                              | /                    |
|                                    | 21-end | 53.4           | -            | 11        | 10       | 10.9           | NA        | -          | /                           | NA          | NA   | NA                              | NA                       | NA                  | NA   | NA                     | NA         | /                       | /    | 4.49              | /            | /                              | /                    |
|                                    | Month  | 103.4          | 122          | 26        | 22       | 10.7           | NA        | -          | /                           | -           | -    | -                               | -                        | -                   | -    | -                      | -          | /                       | /    | 3.15              | /            | /                              | /                    |
| Roche's Point<br>Co. Cork          | 1-10   | 11.6           | -            | 4         | 3        | 9.6            | 6.1       | 7.8        | -                           | 2.3         | 04   | 0                               | 34                       | 0                   | -2.3 | 03                     | 4          | 7.5                     | -    | 2.85              | -            | 5                              | 0                    |
|                                    | 11-20  | 34.4           | -            | 9         | 8        | 9.5            | 3.9       | 6.7        | -                           | -0.9        | 16   | 1                               | 26                       | 0                   | -3.8 | 18                     | 3          | 6.9                     | -    | 2.48              | -            | 8                              | 5                    |
|                                    | 21-end | 30.5           | -            | 10        | 6        | 10.2           | 4.0       | 7.1        | -                           | 1.6         | 23   | 0                               | 30                       | 0                   | 0.2  | 26                     | 0          | 7.3                     | -    | 5.36              | -            | 9                              | 7                    |
|                                    | Month  | 76.5           | 103          | 23        | 17       | 9.8            | 4.6       | 7.2        | -0.3                        | -0.9        | 16   | 1                               | 90                       | 0                   | -3.8 | 18                     | 7          | 7.2                     | -0.2 | 3.62              | 106          | 7                              | 12                   |
| Glencolumbkille<br>Co. Donegal     | 1-10   | 52.9           | /            | 9         | 6        | 10.7           | 5.0       | 7.9        | /                           | 1.5         | 05   | 0                               | 34                       | 0                   | -5.5 | 04                     | 3          | /                       | /    | 2.52              | /            | 4                              | /                    |
|                                    | 11-20  | 89.6           | /            | 9         | 9        | 9.1            | 3.4       | 6.3        | /                           | 0.5         | 16   | 0                               | 19                       | 1                   | -1.8 | 18                     | 3          | /                       | /    | 2.53              | /            | 5                              | /                    |
|                                    | 21-end | 72.6           | /            | 11        | 10       | 8.8            | 3.3       | 6.0        | /                           | 0.0         | 21   | 0                               | 18                       | 0                   | -0.6 | 21                     | 1          | /                       | /    | 2.86              | /            | 6                              | /                    |
|                                    | Month  | 215.1          | /            | 29        | 25       | 9.5            | 3.9       | 6.7        | /                           | 0.0         | 21   | 0                               | 71                       | 1                   | -5.5 | 04                     | 7          | /                       | /    | 2.65              | /            | 5                              | /                    |
| Glenties<br>Co. Donegal            | 1-10   | 33.2           | -            | 8         | 6        | 10.3           | 3.6       | 7.0        | /                           | -1.0        | 05   | 2                               | 27                       | 0                   | -6.3 | 04                     | 4          | /                       | /    | 2.28              | /            | /                              | /                    |
|                                    | 11-20  | 81.1           | -            | 9         | 8        | 9.3            | 2.9       | 6.1        | /                           | -1.7        | 16   | 2                               | 19                       | 0                   | -7.2 | 18                     | 7          | /                       | /    | 2.52              | /            | /                              | /                    |
|                                    | 21-end | 67.8           | -            | 10        | 10       | 9.3            | 2.7       | 6.0        | /                           | -0.2        | 21   | 1                               | 19                       | 0                   | -1.5 | 26                     | 5          | /                       | /    | 3.50              | /            | /                              | /                    |
|                                    | Month  | 182.1          | 188          | 27        | 24       | 9.6            | 3.0       | 6.3        | /                           | -1.7        | 16   | 5                               | 65                       | 0                   | -7.2 | 18                     | 16         | /                       | /    | 2.79              | /            | /                              | /                    |

Notes on the tables in January issue

TABLE 1 (Continued)

March, 1978

| 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 4.4°C | DEGREE DAYS ABOVE 10.0°C | LOWEST "GRASS-MIN." | DATE         | DAYS WITH GROUND FROST | MEAN DAILY | DIFFERENCE FROM AVERAGE |                   |              |                  |                      |
| Malin Head<br>Co. Donegal                   | 1-10   | 19.5           | -            | 6         | 5        | 9.5            | 4.7       | 7.1        | -                           | 0.8         | 05   | 0                   | 27                      | 2                        | -1.6                | 05           | 3                      | 6.6        | -                       | 1.94              | -            | 8                | 4                    |
|   | 11-20  | 47.2           | -            | 7         | 7        | 8.8            | 3.2       | 6.0        | -                           | 0.6         | 16   | 0                   | 18                      | 0                        | -1.4                | 18           | 2                      | 6.1        | -                       | 2.15              | -            | 9                | 5                    |
|   | 21-end | 66.5           | -            | 11        | 10       | 8.9            | 3.4       | 6.2        | -                           | 1.4         | 21   | 0                   | 20                      | 0                        | 0.2                 | 21           | 0                      | 5.9        | -                       | 3.53              | -            | 12               | 6                    |
|   | Month  | 133.4          | 202          | 24        | 22       | 9.1            | 3.7       | 6.4        | -0.2                        | 0.6         | 16   | 0                   | 65                      | 2                        | -1.6                | 05           | 5                      | 6.2        | +0.1                    | 2.57              | 73           | 10               | 15                   |
| Dublin Airport<br>Co. Dublin                | 1-10   | 11.2           | -            | 5         | 3        | 10.9           | 4.7       | 7.8        | -                           | 0.1         | 04   | 0                   | 34                      | 2                        | -8.1                | 05           | 5                      | 6.7        | -                       | 3.85              | -            | 4                | 0                    |
|   | 11-20  | 27.3           | -            | 8         | 6        | 9.3            | 2.5       | 2.9        | -                           | -1.6        | 16   | 3                   | 19                      | 0                        | -5.2                | 17           | 4                      | 5.9        | -                       | 2.75              | -            | 6                | 4                    |
|   | 21-end | 19.5           | -            | 10        | 9        | 10.1           | 3.4       | 6.7        | -                           | 1.1         | 26   | 0                   | 26                      | 0                        | -1.6                | 21           | 4                      | 6.2        | -                       | 5.65              | -            | 9                | 4                    |
|   | Month  | 58.0           | 116          | 23        | 18       | 10.1           | 3.5       | 6.8        | +0.4                        | -1.6        | 16   | 3                   | 79                      | 2                        | -8.1                | 05           | 13                     | 6.2        | 00                      | 4.13              | 117          | 6                | 8                    |
| Kinsealy<br>Co. Dublin                      | 1-10   | 2.2            | /            | 3         | 1        | 11.0           | 3.1       | 7.0        | /                           | -2.9        | 05   | 2                   | 29                      | 0                        | -7.6                | 05           | 5                      | /          | /                       | 3.78              | /            | 3                | /                    |
|   | 11-20  | 23.8           | /            | 8         | 8        | 9.7            | 1.9       | 5.8        | /                           | -2.2        | 16   | 3                   | 18                      | 0                        | -4.1                | 16           | 5                      | /          | /                       | 2.87              | /            | 5                | /                    |
|   | 21-end | 17.7           | /            | 10        | 8        | 10.7           | 3.4       | 7.0        | /                           | 0.6         | 21   | 0                   | 29                      | 0                        | -1.2                | 21           | 4                      | /          | /                       | 5.75              | /            | 7                | /                    |
|   | Month  | 43.7           | /            | 21        | 17       | 10.5           | 2.8       | 6.6        | /                           | -2.9        | 05   | 5                   | 76                      | 0                        | -7.6                | 05           | 14                     | /          | /                       | 4.18              | /            | 5                | /                    |
| Lucan<br>(U.C.D. Field Stn.)<br>Co. Dublin  | 1-10   | 2.8            | /            | 2         | 1        | 11.0           | 3.3       | 7.1        | /                           | -3.8        | 05   | 3                   | 29                      | 2                        | -7.2                | 05           | 5                      | /          | /                       | 3.72              | /            | 5                | /                    |
|   | 11-20  | 23.2           | /            | 7         | 6        | 9.4            | 2.4       | 5.9        | /                           | -2.6        | 18   | 3                   | 19                      | 0                        | -7.2                | 18           | 3                      | /          | /                       | 2.55              | /            | 5                | /                    |
|   | 21-end | 28.2           | /            | 8         | 7        | 10.3           | 3.3       | 6.8        | /                           | 0.8         | 21   | 0                   | 27                      | 0                        | -1.4                | 21           | 5                      | /          | /                       | 4.95              | /            | 6                | /                    |
|   | Month  | 54.2           | /            | 17        | 14       | 10.2           | 3.0       | 6.6        | /                           | -3.8        | 05   | 6                   | 75                      | 2                        | -7.2                | 18           | 13                     | /          | /                       | 3.78              | /            | 5                | /                    |
| Galway<br>(Univ. Coll.)<br>Co. Galway       | 1-10   | 34.4           | /            | 8         | 5        | 10.6           | 5.4       | 8.0        | /                           | 0.0         | 04   | 0                   | 36                      | 1                        | -9.5                | 04           | 3                      | /          | /                       | 2.93              | /            | /                | /                    |
|   | 11-20  | 44.9           | /            | 8         | 8        | 9.7            | 3.8       | 6.7        | /                           | -0.4        | 16   | 1                   | 24                      | 1                        | -9.0                | 18           | 5                      | /          | /                       | 3.15              | /            | NA               | /                    |
|   | 21-end | 55.1           | /            | 11        | 11       | 9.7            | 3.9       | 6.8        | /                           | 1.0         | 26   | 0                   | 27                      | 0                        | -1.0                | 23           | 4                      | /          | /                       | 4.38              | /            | /                | /                    |
|   | Month  | 134.4          | /            | 27        | 24       | 10.0           | 4.4       | 7.2        | /                           | -0.4        | 16   | 1                   | 87                      | 2                        | -9.5                | 04           | 12                     | /          | /                       | 3.52              | /            | /                | /                    |
| Killarney<br>(Muokross Hse)<br>Co. Kerry    | 1-10   | 16.7           | /            | 7         | 7        | 11.5           | 5.1       | 8.3        | /                           | -1.0        | 04   | 1                   | 40                      | 2                        | -4.5                | 04           | 3                      | /          | /                       | 3.41              | /            | /                | /                    |
|   | 11-20  | 91.9           | /            | 10        | 9        | 10.0           | 3.6       | 6.8        | /                           | -1.5        | 18   | 2                   | 26                      | 1                        | -5.5                | 16           | 3                      | /          | /                       | 2.22              | /            | /                | /                    |
|   | 21-end | 104.2          | /            | 11        | 11       | 10.2           | 3.8       | 7.0        | /                           | 0.6         | 26   | 0                   | 29                      | 0                        | -1.5                | 30           | 2                      | /          | /                       | 3.72              | /            | /                | /                    |
|   | Month  | 212.8          | /            | 28        | 27       | 10.6           | 4.2       | 7.4        | /                           | -1.5        | 18   | 3                   | 95                      | 3                        | -5.5                | 16           | 8                      | /          | /                       | 3.14              | /            | /                | /                    |
| Cahiriveen<br>(Valentia Obsy.)<br>Co. Kerry | 1-10   | 53.4           | -            | 7         | 6        | 11.0           | 5.9       | 8.4        | -                           | 0.7         | 04   | 0                   | 41                      | 1                        | -1.8                | 04           | 1                      | 8.2        | -                       | 2.55              | -            | 6                | 3                    |
|   | 11-20  | 74.9           | -            | 9         | 9        | 10.2           | 3.5       | 6.9        | -                           | -1.0        | 16   | 1                   | 26                      | 1                        | -3.6                | 16           | 2                      | 7.4        | -                       | 2.44              | -            | 8                | 3                    |
|   | 21-end | 73.5           | -            | 11        | 10       | 10.3           | 4.2       | 7.3        | -                           | 1.9         | 25   | 0                   | 32                      | 0                        | 0.5                 | 30           | 0                      | 7.7        | -                       | 3.55              | -            | 9                | 8                    |
|   | Month  | 201.8          | 200          | 27        | 25       | 10.5           | 4.5       | 7.5        | -0.8                        | -1.0        | 16   | 1                   | 99                      | 2                        | -3.6                | 16           | 3                      | 7.8        | -0.1                    | 2.87              | 81           | 8                | 14                   |

Notes on the tables in January issue

TABLE 1 (Continued)

March, 1978

| 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 <sup>-1</sup> ) | DAYS WITH GALE GUSTS |                        |            |                         |
|  |        |                |              |           |          | MEAN MAX.      | MEAN MIN. | MEAN DAILY | AND DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST | DEGREE DAYS ABOVE 4.0°C | DEGREE DAYS ABOVE 10.0°C | LOWEST "GRASS-MIN." | DATE |                   |              |                                |                      | DAYS WITH GROUND FROST | MEAN DAILY | DIFFERENCE FROM AVERAGE |
| Tralee<br>(Caherwarsheen)<br>Co. Kerry     | 1-10   | 10.3           | /            | 7         | 4        | 11.7           | 5.0       | 8.4        | /                           | -2.7        | 04   | 1                   | 40                      | 4                        | -4.0                | 04   | 3                 | /            | /                              | NA                   | /                      | /          | /                       |
|  | 11-20  | 74.1           | /            | 9         | 9        | 11.1           | 4.1       | 7.6        | /                           | -1.4        | 16   | 1                   | 34                      | 1                        | -3.7                | 18   | 4                 | /            | /                              |                      | /                      | /          | /                       |
|  | 21-end | 63.4           | /            | 11        | 11       | 10.5           | 4.3       | 7.4        | /                           | 1.8         | 23   | 0                   | 33                      | 0                        | -2.0                | 23   | 1                 | /            | /                              |                      | /                      | /          | /                       |
|  | Month  | 147.8          | /            | 27        | 24       | 11.1           | 4.5       | 7.8        | /                           | -2.7        | 04   | 2                   | 107                     | 5                        | -4.0                | 04   | 8                 | /            | /                              |                      | /                      | /          | /                       |
| Lullymore<br>Co. Kildare                   | 1-10   | 17.9           | /            | 6         | 3        | 10.3           | 2.9       | 6.6        | /                           | -2.0        | 04   | 3                   | 24                      | 0                        | -8.5                | 04   | 5                 | /            | /                              | 2.80                 | /                      | 4          | /                       |
|  | 11-20  | 29.8           | /            | 9         | 8        | 9.0            | 1.6       | 5.3        | /                           | -2.7        | 16   | 3                   | 14                      | 0                        | -8.0                | 18   | 6                 | /            | /                              | 2.51                 | /                      | 6          | /                       |
|  | 21-end | 33.9           | /            | 10        | 8        | 9.9            | 2.3       | 6.2        | /                           | 0.0         | 21   | 0                   | 20                      | 0                        | -1.6                | 26   | 6                 | /            | /                              | 4.48                 | /                      | 8          | /                       |
|  | Month  | 81.6           | /            | 25        | 19       | 9.7            | 2.3       | 6.0        | /                           | -2.7        | 16   | 6                   | 58                      | 0                        | -8.5                | 04   | 17                | /            | /                              | 3.30                 | /                      | 6          | /                       |
| Kilkenny e<br>Co. Kilkenny                 | 1-10   | 7.6            | -            | 5         | 3        | 10.9           | 3.6       | 7.2        | -                           | -3.2        | 05   | 3                   | 29                      | 0                        | -8.7                | 05   | 4                 | 7.0          | -                              | 2.47                 | -                      | 3          | 0                       |
|  | 11-20  | 21.6           | -            | 6         | 5        | 9.8            | 2.1       | 6.0        | -                           | -3.9        | 18   | 3                   | 19                      | 0                        | -9.8                | 18   | 4                 | 5.9          | -                              | 2.58                 | -                      | 4          | 3                       |
|  | 21-end | 25.2           | -            | 11        | 9        | 10.5           | 3.1       | 6.8        | -                           | 0.8         | 23   | 0                   | 26                      | 0                        | -3.4                | 30   | 4                 | 6.1          | -                              | 4.57                 | -                      | 5          | 5                       |
|  | Month  | 54.4           | 94           | 22        | 17       | 10.4           | 2.9       | 6.7        | +0.1                        | -3.9        | 18   | 6                   | 74                      | 0                        | -9.8                | 18   | 12                | 6.4          | +0.4                           | 3.25                 | 99                     | 4          | 8                       |
| Mooncoin<br>(Silverspring)<br>Co. Kilkenny | 1-10   | 13.4           | /            | 5         | 4        | 10.8           | 3.7       | 7.2        | /                           | -3.1        | 05   | 2                   | 29                      | 0                        | -7.1                | 05   | 4                 | /            | /                              | 2.57                 | /                      | /          | /                       |
|  | 11-20  | 26.2           | /            | 9         | 7        | 9.7            | 2.6       | 6.1        | /                           | -3.4        | 18   | 3                   | 20                      | 0                        | -7.0                | 18   | 6                 | /            | /                              | 3.00                 | /                      | /          | /                       |
|  | 21-end | 38.2           | /            | 11        | 10       | 11.0           | 3.7       | 7.4        | /                           | 0.4         | 30   | 0                   | 33                      | 0                        | -4.2                | 30   | 6                 | /            | /                              | 5.62                 | /                      | /          | /                       |
|  | Month  | 77.8           | /            | 25        | 21       | 10.5           | 3.3       | 6.9        | /                           | -3.4        | 18   | 5                   | 82                      | 0                        | -7.1                | 05   | 16                | /            | /                              | 3.79                 | /                      | /          | /                       |
| Ballinamore<br>Co. Leitrim                 | 1-10   | 44.3           | /            | 8         | 6        | 10.2           | 3.1       | 6.6        | /                           | -1.7        | 05   | 2                   | 24                      | 0                        | -8.0                | 05   | 5                 | /            | /                              | 2.70                 | /                      | 3          | /                       |
|  | 11-20  | 63.8           | /            | 10        | 8        | 9.3            | 1.3       | 5.3        | /                           | -2.5        | 18   | 4                   | 12                      | 0                        | -9.3                | 18   | 8                 | /            | /                              | 2.77                 | /                      | 4          | /                       |
|  | 21-end | 55.8           | /            | 11        | 9        | 9.1            | 1.3       | 5.2        | /                           | -1.7        | 28   | 3                   | 11                      | 0                        | -3.8                | 26   | 10                | /            | /                              | 3.95                 | /                      | 5          | /                       |
|  | Month  | 163.9          | /            | 29        | 23       | 9.5            | 1.8       | 5.7        | /                           | -2.5        | 18   | 9                   | 47                      | 0                        | -9.3                | 18   | 23                | /            | /                              | 3.17                 | /                      | 4          | /                       |
| Ardee<br>(Boharnamoe)<br>Co. Louth         | 1-10   | 12.8           | /            | 7         | 6        | 11.1           | 3.8       | 7.5        | /                           | -3.0        | 05   | 2                   | 32                      | 1                        | -7.9                | 05   | 5                 | /            | /                              | /                    | /                      | /          | /                       |
|  | 11-20  | 30.4           | /            | 10        | 9        | 9.1            | 1.8       | 5.5        | /                           | -3.3        | 16   | 4                   | 15                      | 0                        | -7.2                | 16   | 7                 | /            | /                              | /                    | /                      | /          | /                       |
|  | 21-end | 45.3           | /            | 10        | 9        | 8.9            | 3.3       | 6.1        | /                           | 0.4         | 26   | 0                   | 19                      | 0                        | -5.4                | 23   | 8                 | /            | /                              | /                    | /                      | /          | /                       |
|  | Month  | 88.5           | /            | 27        | 24       | 9.7            | 3.0       | 6.3        | /                           | -3.3        | 16   | 6                   | 66                      | 1                        | -7.9                | 05   | 20                | /            | /                              | /                    | /                      | /          | /                       |
| Ballinrobe<br>(Creagh)<br>Co. Mayo         | 1-10   | 36.2           | /            | 8         | 6        | 10.9           | 3.5       | 7.2        | /                           | -2.7        | 04   | 2                   | 29                      | 1                        | -6.1                | 04   | 6                 | /            | /                              | 2.75                 | /                      | 3          | /                       |
|  | 11-20  | 74.6           | /            | 8         | 8        | 9.8            | 2.4       | 6.1        | /                           | -2.2        | 18   | 3                   | 19                      | 0                        | -7.6                | 18   | 5                 | /            | /                              | 2.84                 | /                      | 5          | /                       |
|  | 21-end | 65.9           | /            | 10        | 10       | 9.9            | 2.8       | 6.3        | /                           | 1.2         | 23   | 0                   | 21                      | 0                        | -0.7                | 23   | 3                 | /            | /                              | 3.48                 | /                      | 5          | /                       |
|  | Month  | 176.7          | /            | 26        | 24       | 10.2           | 2.9       | 6.6        | /                           | -2.7        | 04   | 5                   | 69                      | 1                        | -7.6                | 18   | 14                | /            | /                              | 3.04                 | /                      | 4          | /                       |

Notes on the tables in January issue

TABLE 1 (Continued)

March, 1978

| 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 <sup>-1</sup> ) | 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<br>Co. Mayo          | 1-10   | 39.6           | -            | 9         | 8        | 9.8            | 5.2           | 7.5        | -                           | 0.7         | 04   | 0                   | 31                      | 0                        | -3.1                 | 04           | 2                      | 7.3        | -                       | 2.33              | -            | 5                              | 0                    |
|                                  | 11-20  | 68.2           | -            | 10        | 8        | 9.3            | 3.4           | 6.3        | -                           | 0.2         | 16   | 0                   | 20                      | 0                        | -4.1                 | 18           | 2                      | 6.9        | -                       | 2.53              | -            | 8                              | 3                    |
|                                  | 21-end | 45.4           | -            | 10        | 8        | 9.3            | 3.8           | 6.6        | -                           | 1.2         | 25   | 0                   | 24                      | 0                        | 0.2                  | 26           | 0                      | 6.6        | -                       | 3.54              | -            | 10                             | 5                    |
|                                  | Month  | 153.2          | 216          | 29        | 24       | 9.5            | 4.1           | 6.8        | +0.1                        | 0.2         | 16   | 0                   | 75                      | 0                        | -4.1                 | 18           | 4                      | 6.9        | 0.0                     | 2.71              | 100          | 8                              | 8                    |
| Claremorris e<br>Co. Mayo        | 1-10   | 41.6           | -            | 6         | 5        | 10.2           | 4.6           | 7.4        | -                           | -0.5        | 04   | 1                   | 30                      | 1                        | -5.5                 | 04           | 3                      | 7.4        | -                       | 1.88              | -            | 4                              | 0                    |
|                                  | 11-20  | 64.2           | -            | 9         | 9        | 9.5            | 2.2           | 5.8        | -                           | -1.8        | 16   | 2                   | 17                      | 0                        | -5.5                 | 16           | 5                      | 6.0        | -                       | 2.23              | -            | 6                              | 2                    |
|                                  | 21-end | 63.9           | -            | 11        | 11       | 9.2            | 2.4           | 5.8        | -                           | 0.5         | 22   | 0                   | 17                      | 0                        | -1.8                 | 21           | 4                      | 5.8        | -                       | 3.11              | -            | 8                              | 5                    |
|                                  | Month  | 169.7          | 232          | 26        | 25       | 9.6            | 3.1           | 6.3        | -0.2                        | -1.8        | 16   | 3                   | 64                      | 1                        | -5.5                 | 16           | 12                     | 6.4        | +0.4                    | 2.43              | 74           | 6                              | 7                    |
| Glenamoy<br>Co. Mayo             | 1-10   | 54.5           | /            | 9         | 8        | 10.3           | 4.5           | 7.4        | /                           | -0.7        | 04   | 1                   | 30                      | 1                        | -2.1                 | 04           | 2                      | /          | /                       | 1.90              | /            | /                              | /                    |
|                                  | 11-20  | 90.2           | /            | 9         | 9        | 9.1            | 3.0           | 6.1        | /                           | -1.2        | 16   | 2                   | 17                      | 1                        | -2.3                 | 16           | 2                      | /          | /                       | 2.53              | /            | NA                             | /                    |
|                                  | 21-end | 71.0           | /            | 10        | 10       | 9.2            | 2.6           | 5.9        | /                           | 0.6         | 26   | 0                   | 16                      | 0                        | -1.2                 | 26           | 2                      | /          | /                       | 3.35              | /            | NA                             | /                    |
|                                  | Month  | 215.7          | /            | 28        | 27       | 9.5            | 3.3           | 6.4        | /                           | -1.2        | 16   | 3                   | 63                      | 2                        | -2.3                 | 16           | 6                      | /          | /                       | 2.62              | /            | NA                             | /                    |
| Dunsany<br>(Grange)<br>Co. Meath | 1-10   | 8.0            | -            | 5         | 3        | 10.4           | 2.9           | 6.7        | /                           | -3.0        | 04   | 2                   | 26                      | 1                        | -10.0                | 04           | 4                      | /          | /                       | 3.44              | /            | NA                             | /                    |
|                                  | 11-20  | 36.2           | -            | 9         | 8        | 8.8            | 1.3           | 5.1        | /                           | -4.4        | 16   | 3                   | 14                      | 0                        | -11.0                | 16           | 5                      | /          | /                       | 2.20              | /            | NA                             | /                    |
|                                  | 21-end | 36.3           | -            | 11        | 9        | 9.4            | 2.4           | 5.9        | /                           | 0.0         | 26   | 0                   | 17                      | 0                        | -1.9                 | 21           | 6                      | /          | /                       | 4.60              | /            | NA                             | /                    |
|                                  | Month  | 80.5           | -            | 25        | 20       | 9.5            | 2.2           | 5.9        | /                           | -4.4        | 16   | 5                   | 57                      | 1                        | -11.0                | 16           | 15                     | /          | /                       | 3.45              | /            | NA                             | /                    |
| Clones e<br>Co. Monaghan         | 1-10   | 24.2           | -            | 6         | 4        | 10.1           | 3.9           | 7.0        | -                           | -0.4        | 04   | 2                   | 27                      | 1                        | -6.7                 | 04           | 4                      | 6.3        | -                       | 2.47              | -            | 4                              | 1                    |
|                                  | 11-20  | 41.5           | -            | 9         | 7        | 8.8            | 1.6           | 5.2        | -                           | -3.1        | 16   | 2                   | 13                      | 0                        | -9.4                 | 18           | 5                      | 5.6        | -                       | 2.15              | -            | 5                              | 2                    |
|                                  | 21-end | 32.6           | -            | 11        | 8        | 9.2            | 2.6           | 5.9        | -                           | 0.1         | 23   | 0                   | 18                      | 0                        | -1.2                 | 21           | 3                      | 5.6        | -                       | 3.94              | -            | 7                              | 0                    |
|                                  | Month  | 98.3           | 161          | 26        | 19       | 9.4            | 2.7           | 6.0        | 0.0                         | -3.1        | 16   | 4                   | 58                      | 1                        | -9.4                 | 18           | 12                     | 5.8        | +0.2                    | 2.89              | 91           | 5                              | 3                    |
| Birr e<br>Co. Offaly             | 1-10   | 15.2           | -            | 6         | 4        | 10.8           | 4.2           | 7.5        | -                           | -2.4        | 04   | 1                   | 32                      | 1                        | -6.4                 | 04           | 3                      | 7.0        | -                       | 2.65              | -            | 4                              | 1                    |
|                                  | 11-20  | 33.3           | -            | 9         | 8        | 9.8            | 2.5           | 6.2        | -                           | -2.1        | 16   | 2                   | 20                      | 0                        | -6.5                 | 18           | 4                      | 6.1        | -                       | 2.69              | -            | 5                              | 4                    |
|                                  | 21-end | 29.0           | -            | 10        | 7        | 10.1           | 2.9           | 6.5        | -                           | 0.5         | 26   | 0                   | 24                      | 0                        | -0.6                 | 21           | 4                      | 6.2        | -                       | 4.39              | -            | 6                              | 2                    |
|                                  | Month  | 77.5           | 149          | 25        | 19       | 10.2           | 3.2           | 6.7        | 0.0                         | -2.4        | 04   | 3                   | 76                      | 1                        | -6.5                 | 18           | 11                     | 6.4        | 0.0                     | 3.28              | 93           | 5                              | 7                    |
| Thurles<br>Co. Tipperary         | 1-10   | /              | /            | /         | /        | /              | /             | /          | /                           | /           | /    | /                   | /                       | /                        | /                    | /            | /                      | /          | /                       | /                 | /            | /                              | /                    |
|                                  | 11-20  | /              | /            | /         | /        | /              | /             | /          | /                           | /           | /    | /                   | /                       | /                        | /                    | /            | /                      | /          | /                       | /                 | /            | /                              | /                    |
|                                  | 21-end | /              | /            | /         | /        | /              | /             | /          | /                           | /           | /    | /                   | /                       | /                        | /                    | /            | /                      | /          | /                       | /                 | /            | /                              | /                    |
|                                  | Month  | /              | /            | /         | /        | /              | NOT AVAILABLE | /          | /                           | /           | /    | /                   | /                       | /                        | /                    | /            | /                      | /          | /                       | /                 | /            | /                              | /                    |

Notes on the tables in January issue

TABLE 1 (Continued)

March, 1978

| STATION                                    | PERIOD | RAINFALL (MM.) |              |           |          | TEMPERATURE °C |           |            |                             |             |      |                     |                         |                          |                     |                   |              | BRIGHT SUNSHINE                |                      | WIND |                        |            |                         |
|--|--------|----------------|--------------|-----------|----------|----------------|-----------|------------|-----------------------------|-------------|------|---------------------|-------------------------|--------------------------|---------------------|-------------------|--------------|--------------------------------|----------------------|------|------------------------|------------|-------------------------|
|  |        | AMOUNT         | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR            |           |            |                             |             |      | GROUND              |                         | SOIL(1C CM)              |                     | MEAN DAILY (HRS.) | % OF AVERAGE | MEAN SPEED (ms <sup>-1</sup> ) | DAYS WITH GALE GUSTS |      |                        |            |                         |
|  |        |                |              |           |          | MEAN MAX.      | MEAN MTN. | 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 |
| Dungarvan<br>(Ballygagin)<br>Co. Waterford | 1-10   | 18.2           | /            | 6         | 5        | 10.6           | 4.8       | 7.7        | /                           | -0.7        | 05   | 1                   | 33                      | 1                        | -5.0                | 05                | 3            | /                              | 2.76                 | /    | 2                      | /          |                         |
|  | 11-20  | NA             | /            | NA        | NA       | NA             | NA        | -          | /                           | NA          | NA   | NA                  | NA                      | NA                       | NA                  | NA                | NA           | /                              | NA                   | /    | 4                      | /          |                         |
|  | 21-end | 45.5           | /            | 11        | 11       | 10.8           | 4.2       | 7.5        | /                           | 1.5         | 26   | 0                   | 34                      | 0                        | -3.0                | 30                | 5            | /                              | 5.79                 | /    | 5                      | /          |                         |
|  | Month  | -              | /            | -         | -        | -              | -         | -          | /                           | -           | -    | -                   | -                       | -                        | -                   | -                 | -            | /                              | -                    | /    | 4                      | /          |                         |
| Mullingar e<br>Co. Westmeath               | 1-10   | 23.1           | -            | 5         | 5        | 10.4           | 3.1       | 6.7        | -                           | -1.8        | 05   | 3                   | 25                      | 0                        | -5.3                | 05                | 4            | 6.3                            | -                    | 2.91 | -                      | 4          | 0                       |
|  | 11-20  | 47.3           | -            | 9         | 7        | 9.1            | 1.5       | 5.3        | -                           | -3.5        | 16   | 3                   | 13                      | 0                        | -7.1                | 16                | 6            | 5.4                            | -                    | 2.14 | -                      | 6          | 1                       |
|  | 21-end | 40.3           | -            | 11        | 9        | 9.5            | 2.3       | 5.9        | -                           | -0.1        | 25   | 0                   | 17                      | 0                        | -1.8                | 21                | 6            | 5.5                            | -                    | 3.98 | -                      | 8          | 6                       |
|  | Month  | 110.7          | 191          | 25        | 21       | 9.6            | 2.3       | 6.0        | 00                          | -3.5        | 16   | 6                   | 55                      | 0                        | -7.1                | 16                | 16           | 5.7                            | -0.1                 | 3.04 | 87                     | 6          | 7                       |
| Campile<br>(Ballysop)<br>Co. Wexford       | 1-10   | 13.5           | /            | 3         | 3        | 9.9            | 4.4       | 7.1        | /                           | 0.4         | 04   | 0                   | 28                      | 0                        | -4.5                | 05                | 3            | /                              | 2.60                 | /    | NA                     | /          |                         |
|  | 11-20  | 24.4           | /            | 7         | 6        | 9.0            | 3.0       | 6.0        | /                           | -1.4        | 18   | 3                   | 19                      | 0                        | -6.1                | 18                | 5            | /                              | 2.80                 | /    | NA                     | /          |                         |
|  | 21-end | 27.1           | /            | 9         | 9        | 10.2           | 3.1       | 6.6        | /                           | 0.5         | 23   | 0                   | 25                      | 0                        | -3.1                | 26                | 4            | /                              | 5.48                 | /    | NA                     | /          |                         |
|  | Month  | 65.0           | /            | 19        | 18       | 9.7            | 3.5       | 6.6        | /                           | -1.4        | 18   | 3                   | 72                      | 0                        | -6.1                | 18                | 12           | /                              | 3.69                 | /    | NA                     | /          |                         |
| Clonroche<br>Co. Wexford                   | 1-10   | 15.4           | /            | 5         | 3        | 9.8            | 3.6       | 6.7        | /                           | -1.0        | 05   | 3                   | 24                      | 0                        | -9.5                | 05                | 5            | /                              | 2.84                 | /    | 3                      | /          |                         |
|  | 11-20  | 30.4           | /            | 8         | 5        | 8.9            | 2.7       | 5.8        | /                           | -1.5        | 18   | 3                   | 17                      | 0                        | -9.0                | 18                | 6            | /                              | 3.39                 | /    | 4                      | /          |                         |
|  | 21-end | 35.0           | /            | 11        | 11       | 10.0           | 2.7       | 6.4        | /                           | 0.0         | 30   | 0                   | 22                      | 0                        | -7.7                | 30                | 7            | /                              | 5.57                 | /    | 5                      | /          |                         |
|  | Month  | 80.8           | /            | 24        | 19       | 9.6            | 3.0       | 6.3        | /                           | -1.5        | 18   | 6                   | 63                      | 0                        | -9.5                | 05                | 18           | /                              | 3.99                 | /    | 4                      | /          |                         |
| Johnstown Castle<br>Co. Wexford            | 1-10   | 12.5           | -            | 5         | 3        | 9.5            | 4.5       | 7.0        | /                           | 0.1         | 05   | 0                   | 27                      | 0                        | -6.0                | 05                | 5            | /                              | 2.68                 | /    | 4                      | /          |                         |
|  | 11-20  | 33.0           | -            | 8         | 6        | 9.1            | 3.6       | 6.3        | /                           | -0.5        | 18   | 2                   | 21                      | 0                        | -7.0                | 18                | 5            | /                              | 3.38                 | /    | 5                      | /          |                         |
|  | 21-end | 29.3           | -            | 10        | 6        | 9.9            | 3.1       | 6.5        | /                           | 0.0         | 29   | 0                   | 23                      | 0                        | -1.9                | 30                | 5            | /                              | 5.72                 | /    | 6                      | /          |                         |
|  | Month  | 74.8           | 97           | 23        | 15       | 9.5            | 3.7       | 6.6        | /                           | -0.5        | 18   | 2                   | 71                      | 0                        | -7.0                | 18                | 15           | /                              | 3.98                 | /    | 5                      | /          |                         |
| Rosslare e<br>Co. Wexford                  | 1-10   | 7.8            | -            | 3         | 3        | 9.5            | 5.7       | 7.6        | -                           | 3.1         | 05   | 0                   | 32                      | 0                        | -2.8                | 05                | 1            | 7.4                            | -                    | 3.04 | -                      | 6          | 4                       |
|  | 11-20  | 29.1           | -            | 8         | 6        | 9.4            | 4.0       | 6.7        | -                           | 0.3         | 16   | 0                   | 24                      | 0                        | -1.8                | 18                | 2            | 6.8                            | -                    | 3.52 | -                      | 7          | 5                       |
|  | 21-end | 19.1           | -            | 9         | 8        | 10.1           | 4.3       | 7.2        | -                           | 1.9         | 21   | 0                   | 31                      | 0                        | -0.6                | 26                | 2            | 7.0                            | -                    | 6.34 | -                      | 8          | 5                       |
|  | Month  | 56.0           | 89           | 20        | 17       | 9.7            | 4.6       | 7.2        | +0.1                        | 0.3         | 16   | 0                   | 87                      | 0                        | -2.8                | 05                | 5            | 7.1                            | 0.0                  | 4.36 | 108                    | 7          | 14                      |

Notes on the tables in January issue

TABLE 2

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

MARCH 1978

| STATION   | PERIOD | SOLAR RADIATION                 | P.E. (mm) | SOIL MOISTURE (mm) |                        |         |
|---|--------|---------------------------------|-----------|--------------------|------------------------|---------|
|   |        | Amount<br>Joule/cm <sup>2</sup> | Amount    | Deficit            | Accumulated<br>Deficit | Surplus |
| Carlow<br>(Oak Park)<br>Co. Carlow                        | 1-10   |                                 |           |                    |                        |         |
|   | 11-20  |                                 |           |                    |                        |         |
|   | 21-end |                                 |           |                    |                        |         |
|   | Month  |                                 |           |                    |                        |         |
| Kinsealy*<br>Co. Dublin                                   | 1-10   | 8416                            | 0         | -                  | 0                      | 2       |
|   | 11-20  | 7668                            | 8         | -                  | 0                      | 16      |
|   | 21-end | 13482                           | 14        | -                  | 0                      | 3       |
|   | Month  | 29566                           | 22        | -                  | -                      | 21      |
| Cahirciveen <sup>e</sup><br>(Valentia Obsy.)<br>Co. Kerry | 1-10   | 6606                            | 3         | -                  | 0                      | 42      |
|   | 11-20  | 7252                            | 5         | -                  | 0                      | 69      |
|   | 21-end | 11310                           | 4         | -                  | 0                      | 72      |
|   | Month  | 25168                           | 12        | -                  | -                      | -       |
| Kilkenny <sup>e</sup><br>Co. Kilkenny                     | 1-10   | 7359                            |           |                    |                        |         |
|   | 11-20  | 7794                            |           |                    |                        |         |
|   | 21-end | 13037                           | -         | -                  | -                      | -       |
|   | Month  | 28190                           |           |                    |                        |         |
| Ballinamore<br>Co. Leitrim                                | 1-10   |                                 | -2        | -                  | 0                      | 46      |
|   | 11-20  |                                 | 6         | -                  | 0                      | 57      |
|   | 21-end |                                 | 5         | -                  | 0                      | 50      |
|   | Month  |                                 | 9         | -                  | -                      | -       |
| Glenamoy/<br>Co. Mayo                                     | 1-10   |                                 | 3         | -                  | 0                      | 52      |
|   | 11-20  |                                 | 7         | -                  | 0                      | 83      |
|   | 21-end |                                 | 1         | -                  | 0                      | 70      |
|   | Month  |                                 | 11        | -                  | -                      | -       |
| Birr <sup>e</sup><br>Co. Offaly                           | 1-10   | 7554                            |           |                    |                        |         |
|   | 11-20  | 8132                            |           |                    |                        |         |
|   | 21-end | 12320                           | -         | -                  | -                      | -       |
|   | Month  | 28006                           |           |                    |                        |         |
| Johnstown Castle<br>Co. Wexford                           | 1-10   |                                 | 1         | -                  | 0                      | 12      |
|   | 11-20  |                                 | 12        | -                  | 0                      | 21      |
|   | 21-end |                                 | 15        | -                  | 0                      | 15      |
|   | Month  |                                 | 28        | -                  | -                      | -       |

\*, /, See notes in January issue.