

METEOROLOGICAL SERVICE



MAY 1987

AGROMETEOROLOGICAL BULLETIN

The Weather of May

Some rain or showers and northwesterly to northerly winds on 1st/2nd were succeeded by rising pressure over Ireland. By the 6th a centre of high pressure had developed over the country. With the decline of high pressure weak troughs on the 11th and 13th interchanged with northwesterly winds and showers on the 12th and 14th. Subsequent developments resulted in the occurrence of ridges on 15th and 18th and frontal troughs on 16th/17th and 19th.

An extensive area of high pressure over the eastern North Atlantic became the dominant feature leading to dry, settled weather from the 19th to the 22nd. As the high centre drifted to the north of the country, a freshening easterly with occasional weak troughs developed over Ireland from 22nd. A thundery trough advanced into southern areas on 25th but for much of the country the high pressure remained the dominant feature. However, by 27th uniformly declining pressure resulted in a slack pressure pattern over the country. While pressure temporarily recovered from the Azores on 28th, this final cell yielded to a southwesterly airflow and locally active rainbelts from 29th to 31st.

Precipitation:

Amounts were much below normal everywhere and were especially low in southern areas. Values varied from 12% of normal at Valentia to 78% at Malin Head. Driest spells occurred from 3rd to 10th and 19th to 22nd. The 26th was the wettest day in southern areas and 29th in the northwest. Large soil moisture deficits developed, (table 3 page 7) the accumulated deficit reaching 76mm at Kinsealy, Co. Dublin but only 11mm at Glenamoy, Co. Mayo.

Temperature:

The general trend was for rising temperatures through the month. Nevertheless monthly mean air temperature was below normal, varying from nearly normal values at Kilkenny to 0.5C° below at Birr, Casement Aerodrome and Belmullet. The greatest contribution to the below normal temperatures came from low minimum values in the south and east and low maximum values more to the north and west. Ground frost occurred throughout the first half of the month, extreme minimum values of -6.0C° occurring at J. F. K. Park on 13th and Lullymore on 20th. Five day mean soil temperatures (100mm) were highest between 6th and 10th and lowest between 11th and 16th; monthly means varied from 0.9C° above at Dublin Airport and Valentia to 0.5C° below at Clones.

Sunshine and Radiation:

Sunshine amounts were generally below normal, and much below normal in the west, but a little above normal in southern areas. Amounts varied from 104% of normal at Valentia to 72% at Claremorris. The highest spell in southern areas occurred early in the month and from 20th to 25th in northern areas (although all areas were bright during the latter spell). Global radiation was 109% of average at Valentia and 93% at Birr.

Wind:

Gales occurred at a number of stations on the 2nd and strong winds with gale gusts occurred from 1st to 3rd, 11th to 14th, 25th and 30th.

Summary:

Very dry, cool and dull.

TABLE 1

MAY 1987

| STATION | PERIOD | RAINFALL (mm) | | | | TEMPERATURE (°C) | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | | | | | | |
|-------------------------------------|--------|---------------|--------------|-----------|----------|------------------|-----------|------------|-------------------------|-------------|------|---------------------|-------------------------|--------------|--------------------------|--------------------|--------------------|------------------|----------------------|-------------------------|-------|-------|-----|-----|----|-----|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | GROUND | | | | SOIL (10cm) | | TOTAL NO. OF HOURS | % OF AVERAGE | MEAN SPEED (m/s) | DAYS WITH GALE GUSTS | | | | | | | |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST | DEGREE DAYS ABOVE 4.4°C | % OF AVERAGE | DEGREE DAYS ABOVE 10.0°C | % OF AVERAGE | LOWEST "GRASS-MIN" | DATE | MEAN DAILY | DIFFERENCE FROM AVERAGE | | | | | | |
| Carlow (Oak Park) Co. Carlow | 1-10 | 0.8 | - | 1 | 0 | 14.8 | 4.8 | 9.8 | - | 2.0 | 8 | 0 | 56 | - | 15 | - | -1.5 | 7 | 1 | - | 65.1 | - | 4.1 | - | - | |
| | 11-20 | 7.9 | - | 5 | 4 | 13.0 | 5.0 | 9.0 | - | 2.3 | 15 | 0 | 48 | - | 9 | - | 0.0 | 16 | 0 | - | 41.3 | - | 4.7 | - | - | |
| | 21-END | 15.7 | - | 7 | 4 | 16.4 | 8.2 | 12.3 | - | 5.7 | 21 | 0 | 87 | - | 31 | - | 3.5 | 21 | 0 | - | 43.6 | - | 3.5 | - | - | |
| | MONTH | 24.4 | 41 | 13 | 8 | 14.8 | 6.1 | 10.4 | - | 2.0 | 8 | 0 | 191 | - | 55 | - | -1.5 | 7 | 1 | - | 150.0 | - | 4.1 | - | 72 | |
| Shannon Airport Co. Clare | 1-10 | 1.8 | - | 2 | 1 | 14.6 | 5.8 | 10.2 | - | 2.6 | 4 | 0 | 59 | - | 16 | - | -4.0 | 4 | 3 | 13.3 | - | 77.6 | - | 4.3 | 2 | - |
| | 11-20 | 7.9 | - | 7 | 3 | 14.1 | 6.8 | 10.5 | - | 3.4 | 15 | 0 | 61 | - | 14 | - | -2.3 | 15 | 2 | 12.5 | - | 49.2 | - | 6.0 | 3 | - |
| | 21-END | 11.0 | - | 8 | 6 | 16.5 | 9.1 | 12.8 | - | 5.8 | 24 | 0 | 92 | - | 35 | - | 0.8 | 24 | 0 | 14.5 | - | 51.8 | - | 5.4 | 2 | - |
| | MONTH | 20.7 | 35 | 17 | 10 | 15.1 | 7.3 | 11.2 | -0.3 | 2.6 | 4 | 0 | 212 | 91 | 64 | 81 | -4.0 | 4 | 5 | 13.5 | +0.3 | 178.6 | 96 | 5.2 | 7 | 90 |
| Cork Airport Co. Cork | 1-10 | 0.6 | - | 2 | 0 | 13.2 | 4.1 | 8.7 | - | 1.0 | 4 | 0 | 44 | - | 8 | - | -1.1 | 4 | 1 | 11.7 | - | 89.3 | - | 5.3 | 2 | - |
| | 11-20 | 3.3 | - | 4 | 2 | 13.6 | 5.4 | 9.5 | - | 2.5 | 13 | 0 | 52 | - | 10 | - | 0.5 | 13 | 0 | 12.0 | - | 55.9 | - | 6.6 | 4 | - |
| | 21-END | 20.6 | - | 6 | 3 | 15.5 | 8.0 | 11.8 | - | 4.4 | 24 | 0 | 81 | - | 26 | - | 2.4 | 24 | 0 | 13.7 | - | 56.8 | - | 6.1 | 3 | - |
| | MONTH | 24.5 | 28 | 12 | 5 | 14.2 | 5.9 | 10.0 | -0.4 | 1.0 | 4 | 0 | 177 | 93 | 45 | 87 | -1.1 | 4 | 1 | 12.5 | +0.4 | 202.0 | 103 | 6.0 | 9 | 91 |
| Fermoy (Coolnacilla) Co. Cork | 1-10 | 4.7 | - | 3 | 1 | 12.6 | 3.8 | 8.2 | - | 1.0 | 3 | 0 | 40 | - | 7 | - | -2.2 | 7 | 3 | - | - | N/A | - | 4.6 | - | - |
| | 11-20 | 6.0 | - | 5 | 3 | 12.5 | 4.6 | 8.5 | - | 2.0 | 12 | 0 | 43 | - | 7 | - | -0.3 | 13 | 1 | - | - | 47.0 | - | 6.0 | - | - |
| | 21-END | 21.8 | - | 7 | 6 | 14.9 | 7.5 | 11.2 | - | 4.2 | 24 | 0 | 74 | - | 21 | - | -0.6 | 24 | 1 | - | - | 54.0 | - | 4.7 | - | - |
| | MONTH | 32.5 | - | 15 | 10 | 13.4 | 5.3 | 9.4 | - | 1.0 | 3 | 0 | 158 | - | 34 | - | -2.2 | 7 | 5 | - | - | N/A | - | 5.1 | - | N/A |
| Fermoy (Moore Park) Co. Cork | 1-10 | 0.1 | -- | 0 | 0 | 14.5 | 2.9 | 8.7 | - | -0.3 | 7 | 1 | 48 | - | 12 | - | -5.6 | 8 | 6 | - | - | 77.9 | - | 3.3 | - | - |
| | 11-20 | 7.4 | - | 3 | 3 | 14.2 | 5.5 | 9.8 | - | 2.0 | 13 | 0 | 56 | - | 12 | - | -3.3 | 13 | 3 | - | - | 52.1 | - | 4.4 | - | - |
| | 21-END | 17.0 | - | 6 | 6 | 16.7 | 7.9 | 12.3 | - | 3.4 | 24 | 0 | 88 | - | 32 | - | -1.5 | 24 | 4 | - | - | 50.9 | - | 3.5 | - | - |
| | MONTH | 25.3 | 37 | 9 | 9 | 15.2 | 5.5 | 10.4 | - | -0.3 | 7 | 1 | 191 | - | 56 | - | -5.6 | 8 | 13 | - | - | 180.9 | - | 3.7 | - | 78 |
| Roches Point Co. Cork | 1-10 | 0.1 | - | 0 | 0 | 12.8 | 5.7 | 9.3 | - | 3.4 | 4 | 0 | 49 | - | 8 | - | -1.0 | 7 | 3 | 12.7 | - | 85.2 | - | 5.7 | 2 | - |
| | 11-20 | 3.1 | - | 3 | 1 | 13.8 | 7.1 | 10.4 | - | 4.4 | 13 | 0 | 60 | - | 13 | - | 1.1 | 13 | 0 | 12.5 | - | 53.8 | - | 7.1 | 3 | - |
| | 21-END | 21.6 | - | 5 | 5 | 15.8 | 9.1 | 12.4 | - | 6.1 | 24 | 0 | 88 | - | 30 | - | 2.1 | 23 | 0 | 14.1 | - | 62.3 | - | 5.7 | 2 | - |
| | MONTH | 24.8 | 37 | 8 | 6 | 14.2 | 7.3 | 10.7 | -0.4 | 3.4 | 4 | 0 | 197 | 92 | 51 | 93 | -1.0 | 7 | 3 | 13.1 | +0.2 | 201.3 | 101 | 6.1 | 7 | 96 |
| Glencolumbkille Co. Donegal | 1-10 | 17.1 | - | 6 | 3 | 11.8 | 5.3 | 8.5 | - | 2.3 | 2 | 0 | 42 | - | 5 | - | -0.1 | 2 | 1 | - | - | N/A | - | 4.2 | - | - |
| | 11-20 | 22.8 | - | 10 | 6 | 11.4 | 6.4 | 8.9 | - | 5.0 | 13 | 0 | 45 | - | 4 | - | 1.3 | 20 | 0 | - | - | N/A | - | 4.3 | - | - |
| | 21-END | 21.0 | - | 4 | 4 | 15.2 | 8.3 | 11.0 | - | 5.9 | 24 | 0 | 81 | - | 24 | - | 0.0 | 24 | 0 | - | - | N/A | - | 3.4 | - | - |
| | MONTH | 60.9 | - | 20 | 13 | 12.9 | 6.7 | 9.8 | - | 2.3 | 21 | 0 | 168 | - | 33 | - | -0.1 | 2 | 1 | - | - | N/A | - | 4.0 | - | N/A |

NOTES ON THE TABLES IN JANUARY ISSUE

TABLE I (CONTINUED)

| STATION | PERIOD | RAINFALL (mm) | | | | TEMPERATURE (°C) | | | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | |
|--|--------|---------------|--------------|-----------|----------|------------------|-----------|------------|-------------------------|-------------|------|---------------------|-------------------------|--------------|--------------------------|--------------|--------------------|-----------------|------------------------|------------|-------------------------|-------|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | | | GROUND | | | | | | SOIL (10cm) | | | | |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DAYS WITH AIR FROST | DEGREE DAYS ABOVE 4.4°C | % OF AVERAGE | DEGREE DAYS ABOVE 10.0°C | % OF AVERAGE | LOWEST "GRASS-MIN" | DATE | DAYS WITH GROUND FROST | MEAN DAILY | Difference FROM AVERAGE | |
| Glenties Co. Donegal | 1-10 | 15.5 | - | 5 | 3 | 11.3 | 4.7 | 8.0 | - | 0.2 | 2 | 0 | 38 | - | 4 | - | -0.5 | 3 | 1 | - | - | - |
| | 11-20 | 23.2 | - | 8 | 6 | 11.8 | 5.3 | 8.6 | - | 0.9 | 15 | 0 | 44 | - | 5 | - | -1.6 | 15 | 2 | - | - | - |
| | 21-END | 16.0 | - | 4 | 3 | 16.1 | 8.2 | 12.2 | - | 4.4 | 24 | 0 | 85 | - | 29 | - | 1.2 | 24 | 0 | - | - | - |
| | MONTH | 54.7 | 64 | 17 | 12 | 13.2 | 6.2 | 9.7 | - | 0.2 | 2 | 0 | 167 | - | 38 | - | -1.6 | 15 | 3 | - | - | - |
| Malin Head Co. Donegal | 1-10 | 13.4 | - | 5 | 3 | 11.4 | 6.0 | 8.7 | - | 2.1 | 2 | 0 | 44 | - | 4 | - | 0.2 | 2 | 0 | 11.0 | - | 49.7 |
| | 11-20 | 17.4 | - | 6 | 4 | 10.9 | 7.3 | 9.1 | - | 4.0 | 16 | 0 | 47 | - | 2 | - | 1.0 | 16 | 0 | 11.4 | - | 60.5 |
| | 21-END | 14.5 | - | 2 | 2 | 13.7 | 8.6 | 11.1 | - | 6.2 | 24 | 0 | 74 | - | 19 | - | 1.3 | 23 | 0 | 15.4 | - | 69.1 |
| | MONTH | 45.3 | 78 | 13 | 9 | 12.1 | 7.3 | 9.7 | -0.4 | 2.1 | 2 | 0 | 165 | 87 | 24 | 56 | 0.2 | 2 | 0 | 12.7 | +0.6 | 179.3 |
| Casement Aerodrome Co. Dublin | 1-10 | 3.8 | - | 2 | 1 | 14.0 | 4.8 | 9.4 | - | 2.5 | 3 | 0 | 51 | - | 12 | - | -1.4 | 7 | 2 | 11.8 | - | 65.6 |
| | 11-20 | 9.1 | - | 5 | 4 | 12.9 | 4.3 | 8.6 | - | 1.4 | 16 | 0 | 44 | - | 7 | - | -1.8 | 16 | 3 | 11.1 | - | 41.2 |
| | 21-END | 8.9 | - | 6 | 4 | 16.4 | 7.4 | 11.9 | - | 3.0 | 24 | 0 | 62 | - | 29 | - | -1.0 | 24 | 1 | 13.5 | - | 59.2 |
| | MONTH | 21.8 | 38 | 13 | 9 | 14.5 | 5.5 | 10.0 | -0.5 | 1.4 | 16 | 0 | 178 | 89 | 49 | 74 | -1.6 | 16 | 6 | 12.2 | - | 166.0 |
| Dublin Airport Co. Dublin | 1-10 | 3.3 | - | 2 | 2 | 13.8 | 5.7 | 9.7 | - | 3.4 | 3 | 0 | 54 | - | 12 | - | -1.0 | 3 | 3 | 13.4 | - | 76.3 |
| | 11-20 | 10.4 | - | 7 | 3 | 13.1 | 5.4 | 9.2 | - | 2.9 | 13 | 0 | 49 | - | 9 | - | -1.4 | 16 | 2 | 12.2 | - | 47.9 |
| | 21-END | 7.6 | - | 6 | 3 | 16.2 | 8.3 | 12.3 | - | 5.5 | 21 | 0 | 87 | - | 30 | - | 1.0 | 24 | 0 | 15.7 | - | 65.0 |
| | MONTH | 21.3 | 37 | 15 | 8 | 14.4 | 6.5 | 10.5 | -0.1 | 2.9 | 13 | 0 | 190 | 92 | 51 | 66 | -1.4 | 16 | 5 | 13.8 | +0.9 | 189.2 |
| Kinsealy Co. Dublin | 1-10 | 2.8 | - | 2 | 1 | 13.9 | 5.3 | 9.6 | - | 2.4 | 7 | 0 | 53 | - | 11 | - | -2.7 | 7 | 2 | - | - | N/A |
| | 11-20 | 6.5 | - | 6 | 3 | 13.4 | 5.2 | 9.3 | - | 2.2 | 16 | 0 | 50 | - | 10 | - | -3.9 | 16 | 1 | - | - | 45.6 |
| | 21-END | 6.7 | - | 5 | 3 | 15.9 | 8.3 | 12.1 | - | 5.7 | 24 | 0 | 95 | - | 29 | - | -0.6 | 24 | 2 | - | - | 65.2 |
| | MONTH | 16.0 | 29 | 13 | 7 | 14.4 | 6.3 | 10.4 | - | 2.2 | 16 | 0 | 168 | - | 50 | - | -3.9 | 16 | 5 | - | - | N/A |
| Galway Co. Galway | 1-10 | 2.7 | - | 2 | 2 | 13.4 | 6.0 | 9.7 | - | 4.1 | 4 | 0 | 53 | - | 11 | - | 1.1 | 4 | 0 | 12.3 | - | 63.6 |
| | 11-20 | 6.7 | - | 6 | 3 | 13.4 | 6.8 | 10.1 | - | 4.0 | 13 | 0 | 57 | - | 11 | - | 1.4 | 13 | 0 | 12.3 | - | 50.1 |
| | 21-END | 8.9 | - | 5 | 4 | 15.6 | 8.6 | 12.1 | - | 6.6 | 23 | 0 | 65 | - | 28 | - | 3.1 | 28 | 0 | 14.5 | - | 60.4 |
| | MONTH | 18.3 | 26 | 13 | 9 | 14.2 | 7.2 | 10.7 | -0.1 | 4.0 | 13 | 0 | 195 | - | 50 | - | 1.1 | 4 | 0 | 13.1 | - | 174.1 |
| Killarney (Muckross House) Co. Kerry | 1-10 | 1.7 | - | 1 | 1 | 14.8 | 4.6 | 9.7 | - | 1.2 | 4 | 0 | 54 | - | 15 | - | -2.5 | 4 | 4 | - | - | 70.7 |
| | 11-20 | 7.1 | - | 6 | 3 | 13.1 | 6.5 | 9.8 | - | 3.8 | 16 | 0 | 54 | - | 10 | - | -1.5 | 15 | 3 | - | - | 40.3 |
| | 21-END | 10.3 | - | 5 | 4 | 15.7 | 8.4 | 12.1 | - | 4.7 | 24 | 0 | 84 | - | 26 | - | -1.5 | 23 | 3 | - | - | 42.8 |
| | MONTH | 19.1 | 19 | 11 | 8 | 14.6 | 6.6 | 10.6 | - | 1.2 | 4 | 0 | 193 | - | 53 | - | -2.5 | 4 | 10 | - | - | 153.8 |

NOTES ON THE TABLES IN JANUARY ISSUE

TABLE 1 (CONTINUED)

MAY 1987

| STATION | PERIOD | RAINFALL (mm) | | | | TEMPERATURE (°C) | | | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | | |
|--|--------|---------------|--------------|-----------|----------|------------------|-----------|------------|-------------------------|-------------|------|--------------------------|--------------|---------------------------|--------------|--------------------|------|--------------------------------|--------------|--------------------|-------------------------|-------|-----|-----------|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | GROUND | | | | SOIL (10cm) | | | | TOTAL NO. OF HOURS | % OF AVERAGE | MEAN SPEED (m s⁻¹) | DAYS WITH GALE GUSTS | | | |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DEGREES DAYS ABOVE 4.4°C | % OF AVERAGE | DEGREES DAYS ABOVE 10.0°C | % OF AVERAGE | LOWEST "GROSS-MIN" | DATE | DEGREES DAYS WITH GROUND FROST | % OF AVERAGE | MEAN DAILY | Difference from Average | | | |
| Cahirciveen (Valentia Obsy.) Co. Kerry | 1-10 | 1.0 | - | 1 | 1 | 13.5 | 6.2 | 9.8 | - | 2.7 | 4 | 0 | 55 | - | 11 | - | 0.0 | 6 | 0 | 13.4 | - | 5.0 | 3 | - |
| | 11-20 | 4.4 | - | 5 | 1 | 13.1 | 7.5 | 10.3 | - | 5.4 | 16 | 0 | 59 | - | 11 | - | 1.3 | 15 | 0 | 13.6 | - | 5.8 | 4 | - |
| | 21-END | 4.7 | - | 6 | 2 | 15.7 | 8.7 | 12.2 | - | 4.5 | 24 | 0 | 86 | - | 29 | - | 0.9 | 24 | 0 | 15.1 | - | 54.0 | 3 | - |
| | MONTH | 10.1 | 12 | 12 | 4 | 14.1 | 7.5 | 10.8 | -0.4 | 2.7 | 4 | 0 | 200 | 90 | 50 | 77 | 0.0 | 6 | 0 | 14.1 | +0.9 | 195.6 | 104 | 5.2 10 85 |
| Ardfert (Liscahane) Co. Kerry | 1-10 | 0.9 | - | 2 | 0 | 13.3 | 4.4 | 8.9 | - | 0.4 | 4 | 0 | 47 | - | 9 | - | -2.4 | 4 | 2 | - | - | 70.2 | - | - |
| | 11-20 | 9.0 | - | 5 | 3 | 12.7 | 5.3 | 9.0 | - | 0.1 | 15 | 0 | 49 | - | 7 | - | -2.3 | 20 | 3 | - | - | 60.6 | - | - |
| | 21-END | 4.7 | - | 6 | 2 | 15.8 | 6.9 | 11.4 | - | 1.7 | 23 | 0 | 78 | - | 26 | - | -1.9 | 23 | 2 | - | - | 57.3 | - | - |
| | MONTH | 14.6 | - | 13 | 5 | 14.0 | 5.6 | 9.8 | - | 0.1 | 15 | 0 | 174 | - | 42 | - | -2.4 | 4 | 7 | - | - | 188.1 | - | - |
| Lullymore Co. Kildare | 1-10 | 2.4 | - | 3 | 1 | 14.5 | 3.6 | 9.0 | - | 0.2 | 8 | 0 | 50 | - | 13 | - | -4.9 | 7 | 6 | - | - | 63.7 | - | 3.4 |
| | 11-20 | 11.2 | - | 6 | 5 | 13.0 | 3.4 | 8.2 | - | -0.4 | 20 | 2 | 43 | - | 7 | - | -6.0 | 20 | 6 | - | - | 42.0 | - | 4.5 |
| | 21-END | 8.8 | - | 7 | 4 | 15.8 | 6.3 | 11.1 | - | 2.6 | 21 | 0 | 74 | - | 23 | - | -3.5 | 21 | 3 | - | - | 46.7 | - | 3.9 |
| | MONTH | 22.4 | 36 | 16 | 10 | 14.5 | 4.5 | 9.5 | - | -0.4 | 20 | 2 | 166 | - | 44 | - | -6.0 | 20 | 15 | - | - | 152.4 | - | 3.9 64 |
| Kilkenny Co. Kilkenny | 1-10 | 1.0 | - | 2 | 0 | 15.0 | 4.7 | 9.9 | - | 0.8 | 7 | 0 | 57 | - | 15 | - | -3.7 | 7 | 4 | 13.0 | - | 71.2 | - | 3.4 1 |
| | 11-20 | 5.5 | - | 4 | 1 | 13.9 | 5.4 | 9.6 | - | 2.5 | 13 | 0 | 54 | - | 11 | - | -1.8 | 16 | 3 | 12.4 | - | 46.4 | - | 4.3 2 |
| | 21-END | 13.0 | - | 8 | 4 | 16.6 | 7.9 | 12.3 | - | 4.6 | 31 | 0 | 87 | - | 33 | - | 0.2 | 31 | 0 | 14.1 | - | 44.9 | - | 3.3 0 |
| | MONTH | 19.5 | 31 | 14 | 5 | 15.2 | 6.1 | 10.7 | 0.0 | 0.8 | 7 | 0 | 197 | 94 | 59 | 81 | -3.7 | 7 | 7 | 13.2 | +0.2 | 162.5 | 91 | 3.7 3 79 |
| Mooncoin (Silverspring) Co. Kilkenny | 1-10 | 0.5 | - | 1 | 0 | 14.3 | 4.1 | 9.2 | - | 0.0 | 7 | 0 | 51 | - | 11 | - | -4.4 | 7 | 7 | - | - | 68.5 | - | - |
| | 11-20 | 4.0 | - | 2 | 2 | 14.1 | 5.7 | 9.9 | - | 2.6 | 13 | 0 | 56 | - | 13 | - | -2.8 | 15 | 4 | - | - | 40.1 | - | - |
| | 21-END | 17.2 | - | 8 | 5 | 16.7 | 7.8 | 12.3 | - | 3.4 | 21 | 0 | 87 | - | 32 | - | -3.0 | 21 | 3 | - | - | 43.1 | - | - |
| | MONTH | 21.7 | 31 | 11 | 7 | 15.1 | 6.0 | 10.5 | - | 0.0 | 7 | 0 | 194 | - | 55 | - | -4.4 | 7 | 14 | - | - | 151.7 | - | - |
| Ballinamore Co. Leitrim | 1-10 | 11.0 | - | 3 | 3 | 13.0 | 4.3 | 8.7 | - | 1.9 | 2 | 0 | 45 | - | 9 | - | -1.7 | 7 | 5 | - | - | 55.1 | - | 3.6 |
| | 11-20 | 10.3 | - | 5 | 4 | 12.5 | 4.3 | 8.4 | - | 0.0 | 14 | 0 | 43 | - | 7 | - | -4.0 | 16 | 4 | - | - | 42.5 | - | 4.2 |
| | 21-END | 15.1 | - | 3 | 3 | 16.7 | 7.4 | 12.1 | - | 5.0 | 24 | 0 | 84 | - | 30 | - | -2.3 | 24 | 3 | - | - | 50.4 | - | 2.7 |
| | MONTH | 36.4 | 50 | 11 | 10 | 14.2 | 5.4 | 9.8 | - | 0.0 | 14 | 0 | 172 | - | 45 | - | -4.0 | 16 | 12 | - | - | 148.0 | - | 3.5 65 |
| Ardee (Boharnamoe) Co. Louth | 1-10 | 5.7 | - | 2 | 2 | 14.6 | 4.0 | 9.3 | - | 0.2 | 2 | 0 | 52 | - | 14 | - | -3.1 | 7 | 6 | - | - | - | - | - |
| | 11-20 | 10.4 | - | 6 | 4 | 13.2 | 4.3 | 8.8 | - | -0.8 | 16 | 1 | 47 | - | 9 | - | -5.6 | 16 | 4 | - | - | - | - | - |
| | 21-END | 10.9 | - | 3 | 1 | 17.0 | 3.3 | 10.1 | - | -0.2 | 25 | 2 | 71 | - | 27 | - | -1.0 | 21 | 3 | - | - | - | - | - |
| | MONTH | 27.0 | 45 | 11 | 7 | 15.0 | 3.6 | 9.4 | - | -0.2 | 25 | 3 | 169 | - | 50 | - | -5.6 | 16 | 13 | - | - | - | - | - |

TABLE 1 (CONTINUED)

MAY 1987

| STATION | PERIOD | RAINFALL (mm) | | | | TEMPERATURE (°C) | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | |
|------------------------------------|--------|---------------|--------------|-----------|----------|------------------|-----------|------------|-------------------------|-------------|------|--------------------------|--------------|---------------------------|--------------|--------------------|--------------|-------------------|-------------------------|------|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | | GROUND | | | | SOIL (10cm) | | TOTAL NO. OF HOURS | % OF AVERAGE | MEAN SPEED (ms⁻¹) | DAYS WITH GALE GUSTS | |
| | | | | | | MEAN MAX. | MEAN MIN. | MEAN DAILY | DIFFERENCE FROM AVERAGE | LOWEST MIN. | DATE | DEGREES DAYS ABOVE 4.4°C | % OF AVERAGE | DEGREES DAYS ABOVE 10.0°C | % OF AVERAGE | LOWEST "GRASS-MIN" | DATE | MEAN DAILY | DIFFERENCE FROM AVERAGE | |
| Ballinrobe (Creagh) Co. Mayo | 1-10 | N/A | - | N/A | N/A | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | - | |
| | 11-20 | N/A | - | N/A | N/A | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | - | |
| | 21-END | N/A | - | N/A | N/A | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | - | |
| | MONTH | N/A | N/A | N/A | N/A | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | N/A | N/A | - | N/A | N/A | |
| Belmullet Co. Mayo | 1-10 | 8.4 | - | 3 | 3 | 12.1 | 6.6 | 9.3 | - | 4.1 | 3 | 0 | 50 | - | 6 | - | 1.0 | 1 | 0 | 11.7 |
| | 11-20 | 11.6 | - | 7 | 4 | 11.7 | 6.9 | 9.3 | - | 4.6 | 15 | 0 | 49 | - | 4 | - | 2.0 | 15 | 0 | 11.9 |
| | 21-END | 25.2 | - | 5 | 4 | 15.0 | 8.6 | 11.8 | - | 4.6 | 24 | 0 | 81 | - | 24 | - | -0.1 | 24 | 1 | 13.9 |
| | MONTH | 45.2 | 67 | 15 | 11 | 13.0 | 7.4 | 10.2 | -0.5 | 4.1 | 3 | 0 | 180 | 88 | 35 | 63 | -0.1 | 24 | 1 | 12.5 |
| Claremorris Co. Mayo | 1-10 | 5.6 | - | 2 | 2 | 13.3 | 4.6 | 9.0 | - | 2.0 | 4 | 0 | 47 | - | 10 | - | -2.8 | 4 | 4 | 11.3 |
| | 11-20 | 9.8 | - | 6 | 3 | 12.7 | 5.3 | 9.0 | - | 1.7 | 13 | 0 | 47 | - | 7 | - | -1.7 | 13 | 3 | 11.2 |
| | 21-END | 8.8 | - | 6 | 4 | 16.3 | 7.4 | 11.8 | - | 4.2 | 24 | 0 | 82 | - | 27 | - | -0.5 | 24 | 1 | 13.2 |
| | MONTH | 24.2 | 34 | 14 | 9 | 14.2 | 5.8 | 10.0 | -0.4 | 1.7 | 13 | 0 | 177 | 90 | 44 | 69 | -2.8 | 4 | 8 | 11.9 |
| Glenamoy Co. Mayo | 1-10 | 11.5 | - | 3 | 3 | 12.6 | 5.8 | 9.2 | - | 3.7 | 8 | 0 | 48 | - | 8 | - | 0.0 | 1 | 0 | - |
| | 11-20 | 15.5 | - | 6 | 5 | 11.5 | 6.0 | 8.7 | - | 3.2 | 15 | 0 | 44 | - | 4 | - | -0.4 | 15 | 1 | - |
| | 21-END | 26.4 | - | 5 | 3 | 15.2 | 7.9 | 11.5 | - | 1.2 | 24 | 0 | 79 | - | 24 | - | -1.1 | 24 | 1 | - |
| | MONTH | 53.4 | 64 | 14 | 11 | 13.1 | 6.6 | 9.9 | - | 1.2 | 24 | 0 | 172 | - | 35 | - | -1.1 | 24 | 2 | - |
| Dunsany (Grange) Co. Meath | 1-10 | 5.2 | - | 2 | 2 | 13.8 | 4.5 | 9.1 | - | 2.5 | 2 | 0 | 49 | - | 12 | - | -1.3 | 7 | 2 | - |
| | 11-20 | 14.4 | - | 5 | 5 | 12.6 | 4.3 | 8.4 | - | 0.9 | 16 | 0 | 43 | - | 7 | - | -4.2 | 16 | 5 | - |
| | 21-END | 10.5 | - | 5 | 4 | 16.0 | 7.3 | 11.6 | - | 5.5 | 21 | 0 | 80 | - | 26 | - | -0.7 | 21 | 1 | - |
| | MONTH | 30.1 | 49 | 12 | 11 | 14.2 | 5.4 | 9.8 | - | 0.9 | 16 | 0 | 172 | - | 44 | - | -4.2 | 16 | 8 | - |
| Clones Co. Monaghan | 1-10 | 10.4 | - | 2 | 2 | 13.0 | 4.9 | 9.0 | - | 0.9 | 2 | 0 | 47 | - | 10 | - | -0.5 | 7 | 1 | 11.1 |
| | 11-20 | 13.1 | - | 6 | 5 | 12.4 | 5.4 | 8.9 | - | 2.1 | 16 | 0 | 46 | - | 7 | - | -4.0 | 16 | 2 | 10.6 |
| | 21-END | 9.9 | - | 4 | 2 | 16.5 | 7.9 | 12.2 | - | 4.7 | 24 | 0 | 86 | - | 30 | - | 0.6 | 24 | 0 | 13.6 |
| | MONTH | 33.4 | 51 | 12 | 9 | 14.0 | 6.1 | 10.1 | -0.3 | 0.9 | 2 | 0 | 179 | 90 | 47 | 73 | -4.0 | 16 | 3 | 11.6 |
| Birr Co. Offaly | 1-10 | 1.7 | - | 2 | 1 | 14.2 | 4.6 | 9.4 | - | 1.7 | 4 | 0 | 52 | - | 12 | - | -2.1 | 4 | 4 | 13.1 |
| | 11-20 | 6.3 | - | 7 | 2 | 13.5 | 4.9 | 9.2 | - | 0.7 | 15 | 0 | 50 | - | 10 | - | -3.9 | 15 | 3 | 12.4 |
| | 21-END | 4.8 | - | 6 | 2 | 16.1 | 7.4 | 11.8 | - | 3.4 | 21 | 0 | 82 | - | 28 | - | 0.0 | 21 | 0 | 14.5 |
| | MONTH | 12.8 | 21 | 15 | 5 | 14.7 | 5.7 | 10.2 | -0.5 | 0.7 | 15 | 0 | 184 | 88 | 50 | 70 | -3.9 | 15 | 7 | 13.4 |

TABLE 1 (CONTINUED)

MAY 1987

| STATION | PERIOD | RAINFALL (mm) | | | | TEMPERATURE (°C) | | | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | |
|---|--------|---------------|--------------|------------|-------------------------|------------------|------|---------------------|-------------------------|--------------|--------------------------|--------------|--------------------|------|------------------------|--------------|-------------------------|----------------------|--------------------|--------------------|----------------------|--------------------|-----|
| | | AMOUNT | % OF AVERAGE | RAIN DAYS | WET DAYS | AIR | | | GROUND | | | SOIL (10cm) | | | Total No. of Hours | % of Average | Mean Speed (m s⁻¹) | Days with Gale Gusts | P.E. (Penman) (mm) | | | | |
| | | MEAN MAX. | MEAN MIN. | MEAN DAILY | Difference from Average | Lowest Min. | Date | Days with Air Frost | Degree Days above 4.4°C | % of Average | Degree Days above 10.0°C | % of Average | Lowest "GRASS-MIN" | Date | Days with Ground Frost | Mean Daily | Difference from Average | Total No. of Hours | % of Average | Mean Speed (m s⁻¹) | Days with Gale Gusts | P.E. (Penman) (mm) | |
| Dundrum (Knockavilla) Co. Tipperary | 1-10 | 1.2 | - | 3 | 0 | 14.5 | 4.3 | 9.4 | - | 1.7 | 4 | 0 | 52 | - | 14 | - | -4.7 | 4 | 7 | - | - | - | - |
| | 11-20 | 11.9 | - | 5 | 4 | 13.7 | 4.7 | 9.2 | - | 1.4 | 13 | 0 | 50 | - | 10 | - | -4.6 | 20 | 7 | - | - | - | - |
| | 21-END | 17.0 | - | 8 | 6 | 16.6 | 7.4 | 12.0 | - | 4.0 | 24 | 0 | 84 | - | 30 | - | -2.8 | 21 | 2 | - | - | - | - |
| | MONTH | 30.1 | - | 16 | 10 | 15.0 | 5.5 | 10.3 | - | 1.4 | 13 | 0 | 186 | - | 54 | - | -4.7 | 4 | 16 | - | - | - | - |
| Dungarvan (Carriglea) Co. Waterford | 1-10 | 1.6 | - | 2 | 1 | 15.1 | 3.9 | 9.5 | - | 1.8 | 7 | 0 | 54 | - | 14 | - | N/A | N/A | - | - | 84.2 | - | 2.6 |
| | 11-20 | 6.1 | - | 3 | 3 | 14.9 | 6.1 | 10.5 | - | 3.4 | 16 | 0 | 61 | - | 16 | - | N/A | N/A | - | - | 53.1 | - | 3.0 |
| | 21-END | 16.5 | - | 6 | 6 | 17.2 | 7.9 | 12.6 | - | 4.4 | 21 | 0 | 90 | - | 35 | - | N/A | N/A | - | - | 50.5 | - | 2.9 |
| | MONTH | 23.2 | 30 | 11 | 10 | 15.8 | 6.0 | 10.9 | - | 1.8 | 7 | 0 | 205 | - | 64 | - | N/A | N/A | - | - | 187.8 | - | 2.8 |
| Mullingar e Co. Westmeath | 1-10 | 3.1 | - | 3 | 1 | 13.3 | 4.8 | 9.0 | - | 2.8 | 8 | 0 | 48 | - | 9 | - | 0.5 | 7 | 0 | 11.4 | - | 62.7 | - |
| | 11-20 | 13.8 | - | 7 | 5 | 12.6 | 5.5 | 9.1 | - | 2.6 | 16 | 0 | 48 | - | 8 | - | 0.5 | 15 | 0 | 11.0 | - | 53.1 | - |
| | 21-END | 12.5 | - | 6 | 4 | 15.7 | 7.6 | 11.6 | - | 5.3 | 24 | 0 | 80 | - | 25 | - | 2.0 | 24 | 0 | 13.4 | - | 53.6 | - |
| | MONTH | 29.4 | 44 | 16 | 10 | 13.9 | 6.0 | 10.0 | -0.3 | 2.6 | 16 | 0 | 175 | 87 | 42 | 62 | 0.5 | 15 | 0 | 12.0 | -0.4 | 169.4 | 94 |
| J.F.K. Park Co. Wexford | 1-10 | 0.6 | - | 1 | 0 | 14.1 | 4.5 | 9.3 | - | 2.6 | 7 | 0 | 50 | - | 11 | - | -4.8 | 10 | 7 | - | - | 74.2 | - |
| | 11-20 | 5.4 | - | 4 | 3 | 14.3 | 6.0 | 10.1 | - | 3.1 | 13 | 0 | 58 | - | 14 | - | -6.0 | 13 | 3 | - | - | N/A | - |
| | 21-END | 19.9 | - | 8 | 7 | 15.7 | 8.5 | 12.1 | - | 6.0 | 21 | 0 | 85 | - | 28 | - | 1.0 | 21 | 0 | - | - | 39.0 | - |
| | MONTH | 25.9 | 35 | 13 | 10 | 14.7 | 6.4 | 10.6 | - | 2.6 | 7 | 0 | 193 | - | 53 | - | -6.0 | 13 | 10 | - | - | N/A | - |
| Clonroche Co. Wexford | 1-10 | 1.2 | - | 2 | 1 | 14.5 | 4.1 | 9.3 | - | 2.2 | 4 | 0 | 51 | - | 12 | - | -3.2 | 7 | 7 | - | - | 81.2 | - |
| | 11-20 | 7.7 | - | 6 | 2 | 14.4 | 5.6 | 10.0 | - | 2.2 | 15 | 0 | 57 | - | 13 | - | -4.6 | 15 | 5 | - | - | 53.1 | - |
| | 21-END | 24.1 | - | 8 | 6 | 15.9 | 8.5 | 12.2 | - | 6.0 | 24 | 0 | 86 | - | 29 | - | -2.1 | 21 | 1 | - | - | 47.7 | - |
| | MONTH | 33.0 | 40 | 16 | 9 | 14.9 | 6.2 | 10.5 | - | 2.2 | 15 | 0 | 194 | - | 54 | - | -4.6 | 15 | 13 | - | - | 182.0 | - |
| Johnstown Castle Co. wexford | 1-10 | 1.1 | - | 2 | 0 | 13.0 | 5.1 | 9.0 | - | 3.0 | 4 | 0 | 47 | - | 8 | - | -3.4 | 7 | 4 | - | - | 78.9 | - |
| | 11-20 | 2.3 | - | 2 | 2 | 13.8 | 6.0 | 9.9 | - | 3.5 | 15 | 0 | 55 | - | 11 | - | -2.1 | 16 | 3 | - | - | 50.0 | - |
| | 21-END | 16.1 | - | 7 | 5 | 15.0 | 8.5 | 11.7 | - | 5.0 | 26 | 0 | 81 | - | 24 | - | -1.5 | 21 | 1 | - | - | 44.0 | - |
| | MONTH | 19.5 | 29 | 11 | 7 | 13.9 | 6.6 | 10.3 | - | 3.0 | 4 | 0 | 183 | - | 43 | - | -3.4 | 7 | 8 | - | - | 172.9 | - |
| Rosslare e Co. Wexford | 1-10 | 0.4 | - | 1 | 0 | 12.3 | 6.2 | 9.3 | - | 4.7 | 8 | 0 | 49 | - | 6 | - | -1.6 | 7 | 1 | 13.3 | - | 89.9 | - |
| | 11-20 | 2.8 | - | 3 | 1 | 13.3 | 6.8 | 10.0 | - | 3.8 | 13 | 0 | 57 | - | 10 | - | 0.8 | 16 | 0 | 12.8 | - | 52.3 | - |
| | 21-END | 13.0 | - | 5 | 4 | 14.1 | 9.3 | 11.7 | - | 7.3 | 21 | 0 | 80 | - | 21 | - | 2.6 | 31 | 0 | 13.9 | - | 51.8 | - |
| | MONTH | 16.2 | 27 | 9 | 5 | 13.2 | 7.5 | 10.4 | -0.4 | 3.8 | 13 | 0 | 185 | 89 | 38 | 76 | -1.6 | 7 | 1 | 13.3 | 0.0 | 194.0 | 89 |

TABLE 2 GLOBAL RADIATION

| STATION | PERIOD | AMOUNT MJ/m ² |
|---|--------|-----------------------------|
| Malin Head Co. Donegal | 1-10 | 172.03 |
| | 11-20 | 189.16 |
| | 21-end | 219.96 |
| | Month | 581.15 |
| Dublin Airport Co. Dublin | 1-10 | 180.95 |
| | 11-20 | 141.26 |
| | 21-end | 193.14 |
| | Month | 515.55 |
| Cahirciveen (Valentia Obs.) Co. Kerry | 1-10 | 211.08 |
| | 11-20 | 178.19 |
| | 21-end | 181.33 |
| | Month | 570.60 |
| Kilkenny Co. Kilkenny | 1-10 | 207.17 |
| | 11-20 | 181.03 |
| | 21-end | 189.43 |
| | Month | 577.63 |
| Belmullet Co. Mayo | 1-10 | 155.07 |
| | 11-20 | 151.53 |
| | 21-end | 186.64 |
| | Month | 493.24 |
| Clones Co. Monaghan | 1-10 | 138.46* |
| | 11-20 | 154.83 |
| | 21-end | 183.84 |
| | Month | 477.13+ |
| Birr Co. Offaly | 1-10 | 176.90 |
| | 11-20 | 153.15 |
| | 21-end | 152.16 |
| | Month | 482.21 |

Notes on the tables in January issue

* 8 day total

+ 29 day total

TABLE 3 POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE

| STATION | PERIOD | P.E.(mm) | | SOIL MOISTURE (mm) | |
|---|--------|----------|---------|---------------------|---------|
| | | Amount | Deficit | Accumulated Deficit | Surplus |
| Carlow (Oak Park) Co. Carlow | 1-10 | 25.5 | 25 | 55 | - |
| | 11-20 | 20.4 | 7 | 62 | - |
| | 21-end | 26.5 | 1 | 63 | - |
| | Month | 72.4 | - | - | - |
| Kinsealy Co. Dublin | 1-10 | 21.0 | 18 | 49 | - |
| | 11-20 | 24.3 | 13 | 62 | - |
| | 21-end | 31.9 | 14 | 76 | - |
| | Month | 77.2 | - | - | - |
| Cahirciveen (Valentia Obs.) Co. Kerry | 1-10 | 12.8 | 13 | 22 | - |
| | 11-20 | 16.0 | 11 | 33 | - |
| | 21-end | 24.6 | 19 | 52 | - |
| | Month | 53.4 | - | - | - |
| Ballinamore Co. Leitrim | 30-10 | 29.9 | 8 | 27 | - |
| | 11-20 | 20.8 | 10 | 37 | - |
| | 21-end | 28.8 | 17 | 54 | - |
| | Month | 79.5 | - | - | - |
| Glenamoy Co. Mayo | 1-10 | 18.6 | 7 | 8 | - |
| | 11-20 | 16.5 | 1 | 9 | - |
| | 21-end | 18.6 | 2 | 11 | - |
| | Month | 53.7 | - | - | - |
| Johnstown Castle Co. Wexford | 1-10 | 23.8 | 23 | 38 | - |
| | 11-20 | 24.5 | 20 | 58 | - |
| | 21-end | 22.5 | - | 57 | 1 |
| | Month | 70.8 | - | - | - |

TABLE 4 SOIL CLIMATE (MULLINGAR)

| BARE SOIL TYPE | PERIOD | MEAN TEMPERATURE (°C at 100mm) | | | TEMPERATURE GRADIENT (to 200mm) | SOIL WATER POTENTIAL (hPa) (at depths) | |
|----------------|--------|-----------------------------------|-------|------|---------------------------------------|---|-------|
| | | Max. | Daily | Min. | | 75mm | 200mm |
| Peat | 1-10 | 13.6 | 11.3 | 9.3 | -0.3 | N/A | N/A |
| | 11-20 | 13.1 | 11.2 | 9.5 | -0.4 | N/A | N/A |
| | 21-end | 15.3 | 13.0 | 10.9 | -0.9 | 258 | 242 |
| Mineral | 1-10 | 15.1 | 11.5 | 8.8 | -0.6 | 495 | 316 |
| | 11-20 | 14.4 | 11.3 | 8.8 | -0.6 | 573 | 408 |
| | 21-end | 16.8 | 13.2 | 10.8 | -0.7 | N/A | 563 |

special topic

RECENT TRENDS IN SPRING TEMPERATURE (CONTINUED)

Table 2

| | Jan | | Feb | | March | | Apr | | May | | June | | Total | |
|-------------|-----|----|-----|----|-------|----|-----|----|-----|----|------|----|-------|-----|
| | C | W | C | W | C | W | C | W | C | W | C | W | C | W |
| Dublin Apt. | 44 | 32 | 32 | 34 | 32 | 34 | 37 | 29 | 32 | 34 | 38 | 22 | 215 | 185 |
| Birr | 39 | 27 | 31 | 35 | 32 | 34 | 39 | 27 | 37 | 27 | 42 | 18 | 220 | 168 |
| Cahirciveen | 33 | 33 | 32 | 34 | 33 | 33 | 38 | 28 | 33 | 33 | 39 | 21 | 208 | 182 |

A summary of the accumulated cold and warm spells for each station by month is shown in Table 2. Cold spells dominate at Dublin Airport and Birr in January but not at Cahirciveen. The balance between frequency of warm and cold spells is maintained in February and March. Cold spells clearly dominate in April but only at Birr in May. The situation in June is more extreme, cold spells outnumbering warm spells by over two to one at Birr. Over the entire six month period cold spells predominate and occur 20% more often than warm spells.

BIRR 100 MM SOIL TEMPERATURES

Table 3

| JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| 1 6 11 16 21 26 | 1 6 11 16 21 26 | 1 6 11 16 21 26 | 1 6 11 16 21 26 | 1 6 11 16 21 26 | 1 6 11 16 21 26 | | | | | |
| 5 10 15 20 25 31 | 5 10 15 20 25 28 | 5 10 15 20 25 31 | 5 10 15 20 25 30 | 5 10 15 20 25 31 | 5 10 15 20 25 30 | | | | | |
| 1977 C C C C C W C C W W W W W C C C C C O W W W W C C C C C C C C C C C C C C | 1978 W W W C C C C C C C W C | 1979 C | 1980 C | 1981 W | 1982 W C C W | 1983 W | 1984 W W W C | 1985 C | 1986 C C C W W C | 1987 W C C W W C |

c, cold; w, warm; o, average

cold spells consisting of four 5-day periods or more are enclosed

Examining the individual years at Birr more closely (Table 3) shows evidence for persistence of cold or warm spells in some years. Prolonged cold spells dominated in 1979, 1983 and 1986, whereas extended warm spells occurred in 1980 and 1982. There was a mixture of spells in other years with a preponderance of cold spells in 1977, 1978 and 1985. June was the most consistent with cold spells being more the rule. While the 1987 season was in line with the general trends, overall the frequency of warm and cold spells was fairly balanced to date (end of May).