



AGROMETEOROLOGICAL BULLETIN

JUNE 1971

The weather during June

Apart from a few short spells at the beginning and at the end of the month, June was colder than normal. The coldest period was from the 8th to the 20th when the wind was mainly from the sector between north-west and north-east. Over the month, mean air temperatures were 0.8°C to 1.6°C below normal and mean soil temperatures were 0.6°C to 2.5°C below average June values. At mid-month, the soil at 10 cm was about 3°C colder than normal and some 6°C colder than at the same time last year. Plant growth was noticeably retarded by these cold conditions and there were reports that some root crops had been making poor progress up to the week-end of the 27th. A change in weather type brought warmer air from the south-west during the last few days of the month with improved growing conditions for crop growth and development.

Rainfall for the month was above normal except in parts of the Midlands (70 - 80% of average) and in the extreme south-west (94% of normal). In most areas, rainfall amounts during the first ten days were small and the greater part of the monthly total was due to rather heavy falls on the 11th and during the period 17th - 20th. These falls helped to reduce the soil moisture deficits which had been building up earlier in the month, particularly in drier eastern districts.

TABLE 1.

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

JUNE 1971

| STATION | PERIOD | RAINFALL | | | | TEMPERATURE | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | |
|---|--------|----------|-----------------------|------------------|-----------------|-------------|-------------------------|----------------|-----|----------------------------|-------------------------|-------------------------|----------------------|-------------|-------------------------------|-----------------|-----------------------|------------|-----------------------------|------------|-------------------------|
| | | Amount | Percentage of Average | No. of Rain Days | No. of Wet Days | AIR | | | | | GROUND | | | SOIL (10cm) | | Mean Daily | Percentage of Average | Mean Speed | No. of Days with Gale Gusts | | |
| | | | | | | Mean Daily | Difference from Average | Lowest Minimum | Day | No. of Days with Air Frost | Degree Days Above 4.0°C | Degree Days Above 6.0°C | Lowest Grass Minimum | Day | No. of Days with Ground Frost | | | | | Mean Daily | Difference from Average |
| | | | | | | | | | | | | | | | | | | | | | |
| Carlow (Oak Park) Co. Carlow | 1-10 | 11.2 | - | 5 | 5 | 12.7 | - | +5.0 | 01 | 0 | 82.9 | 67.2 | +0.0 | 01 | 1 | - | - | 6.27 | - | 6 | - |
| | 11-20 | 28.6 | - | 6 | 5 | 11.5 | - | +3.7 | 15 | 0 | 70.9 | 55.7 | +0.2 | 15 | 0 | - | - | 3.24 | - | 6 | - |
| | 21-end | 13.5 | - | 6 | 1 | 14.0 | - | +5.0 | 28 | 0 | 96.2 | 80.5 | -2.0 | 28 | 1 | - | - | 5.44 | - | 6 | - |
| | Month | 53.3 | - | 17 | 11 | 12.7 | - | +3.7 | 15 | 0 | 250.0 | 203.4 | -2.0 | 28 | 2 | - | - | 4.98 | - | 6 | - |
| Shannon Airport Co. Clare | 1-10 | 7.3 | - | 3 | 3 | 14.0 | - | +7.5 | 01 | 0 | 97.0 | 81.0 | +4.8 | 01 | 0 | 16.1 | - | 6.02 | - | 9 | 0 |
| | 11-20 | 43.3 | - | 6 | 4 | 12.0 | - | +5.6 | 13 | 0 | 76.5 | 60.5 | +2.0 | 13 | 0 | 15.1 | - | 4.70 | - | 11 | 0 |
| | 21-end | 17.6 | - | 8 | 5 | 13.6 | - | +7.6 | 28 | 0 | 92.4 | 76.4 | +6.4 | 28 | 0 | 15.1 | - | 3.66 | - | 9 | 0 |
| | Month | 68.2 | 113 | 17 | 12 | 13.2 | -1.1 | +5.6 | 13 | 0 | 265.9 | 217.9 | +2.0 | 13 | 0 | 15.4 | -0.9 | 4.79 | 79 | 10 | 0 |
| Fermoy (Moore Park) Co. Cork | 1-10 | 5.3 | - | 4 | 3 | 13.0 | - | +4.5 | 01 | 0 | 86.1 | 70.4 | -2.3 | 01 | 1 | - | - | 5.35 | - | 5 | - |
| | 11-20 | 48.9 | - | 6 | 5 | 11.5 | - | +3.6 | 17 | 0 | 71.0 | 55.7 | -2.0 | 13 | 2 | - | - | 4.23 | - | 6 | - |
| | 21-end | 7.5 | - | 4 | 3 | 13.5 | - | +2.3 | 28 | 0 | 90.8 | 75.6 | -3.0 | 28 | 2 | - | - | 3.50 | - | 4 | - |
| | Month | 61.7 | - | 14 | 11 | 12.7 | - | +2.3 | 28 | 0 | 247.9 | 201.7 | -3.0 | 28 | 5 | - | - | 4.36 | - | 5 | - |
| Mallow Co. Cork | 1-10 | 32.0 | - | 4 | 3 | 12.7 | - | +3.8 | 01 | 0 | 83.5 | 68.0 | -2.5 | 01 | 1 | - | - | 4.85 | - | - | - |
| | 11-20 | 41.1 | - | 6 | 5 | 11.2 | - | +3.5 | 15 | 0 | 68.8 | 54.0 | -3.0 | 15 | 4 | - | - | 3.11 | - | - | - |
| | 21-end | 6.8 | - | 4 | 4 | 13.5 | - | +4.6 | 28 | 0 | 91.4 | 76.0 | -2.2 | 28 | 2 | - | - | 3.04 | - | - | - |
| | Month | 79.9 | 142 | 14 | 12 | 12.5 | - | +3.5 | 15 | 0 | 243.7 | 198.0 | -3.0 | 15 | 7 | - | - | 3.55 | - | - | - |
| Roche's Point Co. Cork | 1-10 | 15.0 | - | 5 | 4 | 13.0 | - | +8.2 | 10 | 0 | 85.9 | 69.9 | +0.2 | 01 | 0 | 14.7 | - | 5.61 | - | 10 | 0 |
| | 11-20 | 34.6 | - | 4 | 4 | 12.1 | - | +6.6 | 15 | 0 | 77.0 | 61.0 | +4.6 | 12 | 0 | 13.7 | - | 5.70 | - | 14 | 2 |
| | 21-end | 7.3 | - | 5 | 3 | 13.2 | - | +8.0 | 28 | 0 | 88.0 | 72.0 | +3.7 | 28 | 0 | 14.7 | - | 4.16 | - | 9 | 0 |
| | Month | 56.9 | 103 | 14 | 11 | 12.7 | -1.2 | +6.6 | 15 | 0 | 250.9 | 202.9 | +0.2 | 01 | 0 | 14.3 | -1.8 | 5.16 | 78 | 11 | 2 |
| Glencolumbkille Co. Donegal | 1-10 | 6.7 | - | 3 | 3 | 13.0 | - | +6.5 | 07 | 0 | 85.9 | 69.9 | +1.6 | 07 | 0 | - | - | 10.80 | - | 8 | - |
| | 11-20 | 80.3 | - | 10 | 9 | 10.9 | - | +7.0 | 17 | 0 | 64.9 | 48.9 | +3.0 | 15 | 0 | - | - | 2.74 | - | 8 | - |
| | 21-end | 41.7 | - | 8 | 7 | 12.4 | - | +7.7 | 29 | 0 | 80.2 | 64.2 | +4.0 | 29 | 0 | - | - | 4.81 | - | 7 | - |
| | Month | 128.7 | - | 21 | 19 | 12.1 | - | +6.5 | 07 | 0 | 231.0 | 183.0 | +1.6 | 07 | 0 | - | - | 6.12 | - | 8 | - |
| Glenties Co. Donegal | 1-10 | 7.8 | - | 2 | 2 | 12.1 | - | +2.5 | 10 | 0 | 78.6 | 64.1 | -2.0 | 10 | 4 | - | - | 9.51 | - | - | - |
| | 11-20 | 65.6 | - | 10 | 9 | 10.5 | - | +2.8 | 17 | 0 | 61.4 | 46.2 | -2.0 | 17 | 1 | - | - | 3.43 | - | - | - |
| | 21-end | 25.6 | - | 7 | 6 | 12.1 | - | +5.0 | 29 | 0 | 76.5 | 60.8 | +1.0 | 29 | 0 | - | - | 3.53 | - | - | - |
| | Month | 99.0 | 106 | 19 | 17 | 11.5 | - | +2.5 | 10 | 0 | 216.5 | 171.1 | -2.0 | 10 | 5 | - | - | 5.49 | - | - | - |
| Malin Head Co. Donegal | 1-10 | 18.1 | - | 2 | 2 | 11.3 | - | +6.9 | 09 | 0 | 69.5 | 53.5 | +4.6 | 01 | 0 | 15.3 | - | 10.12 | - | 11 | 0 |
| | 11-20 | 54.4 | - | 7 | 7 | 10.6 | - | +7.6 | 18 | 0 | 62.5 | 46.5 | +5.2 | 17 | 0 | 13.5 | - | 4.40 | - | 15 | 2 |
| | 21-end | 16.1 | - | 6 | 5 | 12.1 | - | +7.8 | 29 | 0 | 76.7 | 60.7 | +5.7 | 29 | 0 | 14.5 | - | 4.90 | - | 12 | 1 |
| | Month | 88.6 | 125 | 15 | 14 | 11.3 | -1.2 | +6.9 | 09 | 0 | 208.7 | 160.7 | +4.6 | 01 | 0 | 14.4 | - | 6.47 | 110 | 13 | 3 |
| Dublin Airport Co. Dublin | 1-10 | 8.4 | - | 6 | 1 | 11.9 | - | +8.5 | 01 | 0 | 74.5 | 58.5 | +2.6 | 01 | 0 | 15.6 | - | 6.51 | - | 8 | 0 |
| | 11-20 | 48.6 | - | 6 | 5 | 11.2 | - | +3.9 | 15 | 0 | 68.1 | 52.8 | +1.8 | 15 | 0 | 14.1 | - | 5.03 | - | 9 | 1 |
| | 21-end | 14.8 | - | 6 | 4 | 14.0 | - | +7.0 | 28 | 0 | 95.6 | 79.6 | +5.0 | 27 | 0 | 14.0 | - | 5.39 | - | 8 | 0 |
| | Month | 71.8 | 132 | 18 | 10 | 12.3 | -1.3 | +3.9 | 15 | 0 | 238.2 | 190.9 | +1.8 | 15 | 0 | 15.1 | -1.4 | 5.64 | 86 | 8 | 1 |
| Kinsealy Co. Dublin | 1-10 | 7.1 | - | 6 | 4 | 11.8 | - | +5.3 | 01 | 0 | 73.9 | 58.1 | -2.0 | 01 | 2 | - | - | 6.69 | - | 7 | - |
| | 11-20 | 47.6 | - | 7 | 6 | 11.3 | - | +2.9 | 15 | 0 | 69.3 | 54.0 | -0.8 | 15 | 2 | - | - | 4.68 | - | 8 | - |
| | 21-end | 11.4 | - | 7 | 5 | 13.8 | - | +6.9 | 28 | 0 | 94.4 | 78.4 | -0.3 | 24 | 1 | - | - | 5.36 | - | 7 | - |
| | Month | 66.1 | - | 20 | 15 | 12.3 | - | +2.9 | 15 | 0 | 237.6 | 190.5 | -2.0 | 01 | 5 | - | - | 5.58 | - | 7 | - |
| Galway (Univ. Coll.) Co. Galway | 1-10 | 7.9 | - | 2 | 2 | 13.5 | - | +7.0 | 10 | 0 | 91.2 | 75.2 | NA | NA | - | - | - | 6.38 | - | NA | - |
| | 11-20 | 42.8 | - | 6 | 4 | 11.9 | - | +5.2 | 17 | 0 | 75.2 | 59.5 | NA | NA | - | - | - | 3.24 | - | NA | - |
| | 21-end | 16.5 | - | 8 | 6 | 13.1 | - | +7.5 | 22 | 0 | 86.7 | 70.7 | NA | NA | - | - | - | 4.49 | - | NA | - |
| | Month | 67.2 | - | 16 | 12 | 12.8 | - | +5.2 | 17 | 0 | 253.1 | 205.4 | NA | NA | - | - | - | 4.70 | - | NA | - |
| Killarney (Muckross Hse.) Co. Kerry | 1-10 | 12.7 | - | 4 | 2 | 13.2 | - | +5.5 | 10 | 0 | 87.6 | 71.6 | +0.3 | 10 | 0 | - | - | 5.03 | - | - | - |
| | 11-20 | 51.7 | - | 9 | 7 | 11.6 | - | +5.2 | 15 | 0 | 71.5 | 55.8 | +0.1 | 15 | 0 | - | - | 3.08 | - | - | - |
| | 21-end | 15.2 | - | 6 | 4 | 13.7 | - | +8.6 | 28 | 0 | 92.9 | 76.9 | +2.0 | 28 | 0 | - | - | 2.83 | - | - | - |
| | Month | 79.6 | - | 19 | 13 | 12.8 | - | +5.2 | 15 | 0 | 252.0 | 204.3 | +0.1 | 15 | 0 | - | - | 3.65 | - | - | - |
| Cahiriveen (Valentia Obsy.) Co. Kerry | 1-10 | 3.7 | - | 3 | 3 | 14.0 | - | +7.6 | 07 | 0 | 96.5 | 80.5 | +5.9 | 07 | 0 | 15.9 | - | 5.83 | - | 9 | 1 |
| | 11-20 | 57.3 | - | 8 | 5 | 11.9 | - | +7.9 | 11 | 0 | 76.5 | 60.5 | +4.4 | 11 | 0 | 14.9 | - | 5.12 | - | 10 | 0 |
| | 21-end | 15.4 | - | 7 | 3 | 13.2 | - | +9.2 | 27 | 0 | 87.8 | 71.8 | +7.9 | 27 | 0 | 15.0 | - | 1.99 | - | 9 | 0 |
| | Month | 76.4 | 94 | 18 | 11 | 13.0 | -0.8 | +7.6 | 07 | 0 | 260.8 | 212.8 | +4.4 | 11 | 0 | 15.3 | -0.8 | 4.31 | 73 | 9 | 1 |
| Tralee (Caherweesheen) Co. Kerry | 1-10 | 6.5 | - | 2 | 2 | 13.6 | - | +5.9 | 10 | 0 | 91.6 | 81.6 | +1.2 | 10 | 0 | - | - | 6.10 | - | - | - |
| | 11-20 | 42.5 | - | 6 | 5 | 12.3 | - | +4.2 | 15 | 0 | 79.5 | 60.1 | -0.9 | 15 | 1 | - | - | 3.95 | - | - | - |
| | 21-end | 11.6 | - | 4 | 4 | 14.3 | - | +7.3 | 28 | 0 | 98.4 | 78.4 | +3.4 | 28 | 0 | - | - | 3.92 | - | - | - |
| | Month | 60.6 | - | 12 | 11 | 13.4 | - | +4.2 | 15 | 0 | 269.5 | 220.1 | -0.9 | 15 | 1 | - | - | 4.66 | - | - | - |
| Lullymore Co. Kildare | 1-10 | 3.0 | - | 4 | 1 | 11.9 | - | +5.4 | 01 | 0 | 74.6 | 58.9 | +1.7 | 02 | 0 | - | - | 5.59 | - | 10 | - |
| | 11-20 | 51.1 | - | 8 | 4 | 10.9 | - | +1.4 | 15 | 0 | 65.3 | 50.8 | -3.5 | 11 | 4 | - | - | 3.93 | - | 10 | - |
| | 21-end | 8.1 | - | 7 | 3 | 13.7 | - | +5.2 | 28 | 0 | 92.5 | 76.8 | -2.4 | 28 | 0 | - | - | 5.02 | - | 9 | - |
| | Month | 62.2 | - | 19 | 8 | 12.1 | - | +1.4 | 15 | 0 | 232.4 | 186.5 | -3.5 | 11 | 4 | - | - | 4.85 | - | 10 | - |

See January issue of Bulletin for explanatory notes on the tables.

TABLE (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

JUNE 1971

| STATION | PERIOD | RAINFALL | | | | TEMPERATURE | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | |
|--|--------|----------|-----------------------|------------------|-----------------|-------------|-------------------------|----------------|-----|----------------------------|-------------------------|-------------------------|----------------------|-------------|-------------------------------|-----------------|-----------------------|------------|-----------------------------|------------|-------------------------|
| | | Amount | Percentage of Average | No. of Rain Days | | AIR | | | | | GROUND | | | SOIL (10cm) | | Mean Daily | Percentage of Average | Mean Speed | No. of Days with Gale Gusts | | |
| | | | | No. of Rain Days | No. of Wet Days | Mean Daily | Difference from Average | Lowest Minimum | Day | No. of Days with Air Frost | Degree Days Above 4.4°C | Degree Days Above 6.0°C | Lowest Grass Minimum | Day | No. of Days with Ground Frost | | | | | Mean Daily | Difference from Average |
| mm | % | | | °C | °C | °C | | | | °C | °C | °C | Hr | % | Kt | | | | | | |
| Kilkenny e Co. Kilkenny | 1-10 | 4.4 | - | 5 | 3 | 12.6 | - | +2.7 | 01 | 0 | 83.9 | 68.3 | -0.3 | 01 | 1 | 16.0 | - | 4.66 | - | 6 | 0 |
| | 11-20 | 32.7 | - | 7 | 4 | 11.2 | - | +2.3 | 13 | 0 | 69.7 | 54.3 | -1.8 | 13 | 1 | 14.3 | - | 3.06 | - | 7 | 0 |
| | 21-end | 8.4 | - | 5 | 4 | 13.7 | - | +3.5 | 28 | 0 | 93.0 | 77.4 | +0.8 | 28 | 0 | 16.3 | - | 4.73 | - | 5 | 0 |
| | Month | 45.5 | 77 | 17 | 11 | 12.5 | -1.4 | +2.3 | 13 | 0 | 246.6 | 200.0 | -1.8 | 13 | 2 | 15.5 | -1.3 | 4.15 | 67 | 6 | 0 |
| Mooncoin (Silverspring) Co. Kilkenny | 1-10 | 8.4 | - | 5 | 3 | 12.9 | - | +4.0 | 01 | 0 | 84.6 | 69.0 | -1.6 | 01 | 2 | - | - | 4.38 | - | - | - |
| | 11-20 | 40.7 | - | 5 | 3 | 11.2 | - | +2.2 | 13 | 0 | 68.5 | 54.1 | -1.9 | 13 | 3 | - | - | 4.46 | - | - | - |
| | 21-end | 12.2 | - | 5 | 4 | 13.5 | - | +3.4 | 28 | 0 | 90.9 | 75.5 | -1.4 | 28 | 2 | - | - | 5.38 | - | - | - |
| | Month | 61.3 | - | 15 | 10 | 12.5 | - | +2.2 | 13 | 0 | 244.0 | 198.6 | -1.9 | 13 | 7 | - | - | 4.74 | - | - | - |
| Ballinamore Co. Leitrim | 1-10 | 3.1 | - | 2 | 2 | 12.2 | - | +4.0 | 10 | 0 | 78.3 | 63.0 | -3.1 | 10 | 1 | - | - | 6.24 | - | 5 | - |
| | 11-20 | 82.6 | - | 8 | 7 | 11.1 | - | +5.2 | 15 | 0 | 67.7 | 52.0 | -0.5 | 15 | 1 | - | - | 2.92 | - | 6 | - |
| | 21-end | 25.0 | - | 9 | 6 | 13.0 | - | +6.2 | 27 | 0 | 86.2 | 70.2 | +1.6 | 27 | 0 | - | - | 4.58 | - | 6 | - |
| | Month | 110.7 | - | 19 | 15 | 12.1 | - | +4.0 | 10 | 0 | 232.2 | 185.2 | -3.1 | 10 | 2 | - | - | 4.58 | - | 6 | - |
| Ardee (Boharnamoe) Co. Louth | 1-10 | 9.3 | - | 4 | 2 | 10.8 | - | +2.7 | 10 | 0 | 64.3 | 49.3 | -1.0 | 10 | 1 | - | - | - | - | - | - |
| | 11-20 | 51.6 | - | 10 | 5 | 11.0 | - | +1.9 | 15 | 0 | 67.2 | 52.0 | -3.4 | 15 | 2 | - | - | - | - | - | - |
| | 21-end | 14.0 | - | 9 | 5 | 12.8 | - | +5.3 | 28 | 0 | 84.4 | 68.6 | +2.5 | 29 | 0 | - | - | - | - | - | - |
| | Month | 74.9 | - | 23 | 12 | 11.5 | - | +1.9 | 15 | 0 | 215.9 | 169.9 | -3.4 | 15 | 3 | - | - | - | - | - | - |
| Ballinrobe (Creagh) Co. Mayo | 1-10 | 7.2 | - | 3 | 3 | 12.4 | - | +5.2 | 09 | 0 | 80.2 | 64.5 | +0.5 | 09 | 0 | - | - | 6.79 | - | 5 | - |
| | 11-20 | 51.1 | - | 8 | 7 | 11.6 | - | +5.5 | 13 | 0 | 72.3 | 56.3 | +0.2 | 17 | 0 | - | - | 3.91 | - | 6 | - |
| | 21-end | 9.4 | - | 8 | 4 | 13.5 | - | +7.1 | 22 | 0 | 90.7 | 74.7 | +3.0 | 22 | 0 | - | - | 4.42 | - | 6 | - |
| | Month | 67.7 | - | 19 | 14 | 12.5 | - | +5.2 | 09 | 0 | 243.2 | 195.5 | +0.2 | 17 | 0 | - | - | 5.04 | - | 6 | - |
| Belmullet e Co. Mayo | 1-10 | 2.8 | - | 3 | 1 | 12.8 | - | +7.6 | 09 | 0 | 84.0 | 68.0 | +4.2 | 05 | 0 | 16.1 | - | 9.39 | - | 12 | 0 |
| | 11-20 | 64.9 | - | 8 | 7 | 11.1 | - | +4.3 | 13 | 0 | 67.2 | 51.6 | -1.3 | 13 | 1 | 14.1 | - | 3.76 | - | 11 | 0 |
| | 21-end | 24.8 | - | 8 | 7 | 12.4 | - | +7.0 | 22 | 0 | 80.1 | 64.1 | +3.7 | 22 | 0 | 14.7 | - | 4.19 | - | 11 | 0 |
| | Month | 92.5 | 127 | 17 | 15 | 12.1 | -1.3 | +4.3 | 13 | 0 | 231.3 | 183.7 | -1.3 | 13 | 1 | 15.0 | -0.6 | 5.78 | 90 | 11 | 0 |
| Claremorris e Co. Mayo | 1-10 | 5.8 | - | 4 | 3 | 12.3 | - | +5.2 | 02 | 0 | 79.5 | 64.1 | +3.0 | 01 | 0 | 15.0 | - | 6.66 | - | 8 | 0 |
| | 11-20 | 53.4 | - | 9 | 8 | 10.9 | - | +3.2 | 13 | 0 | 65.9 | 50.9 | -0.3 | 13 | 2 | 13.1 | - | 3.77 | - | 8 | 0 |
| | 21-end | 22.1 | - | 9 | 5 | 12.4 | - | +5.5 | 27 | 0 | 80.4 | 64.4 | +0.6 | 22 | 0 | 14.5 | - | 3.60 | - | 7 | 1 |
| | Month | 81.3 | 104 | 22 | 16 | 11.9 | -1.1 | +3.2 | 13 | 0 | 225.8 | 179.4 | -0.3 | 13 | 2 | 14.2 | -0.9 | 4.68 | 85 | 8 | 1 |
| Glenamoy Co. Mayo | 1-10 | 3.3 | - | 4 | 1 | 12.6 | - | +6.4 | 07 | 0 | 82.0 | 66.0 | +3.0 | 07 | 0 | - | - | 9.02 | - | 10 | - |
| | 11-20 | 71.8 | - | 9 | 6 | 10.8 | - | +4.5 | 13 | 0 | 63.6 | 48.2 | +1.2 | 13 | 0 | - | - | 3.76 | - | 10 | - |
| | 21-end | 38.2 | - | 8 | 8 | 12.2 | - | +6.1 | 22 | 0 | 78.2 | 62.2 | +3.9 | 22 | 0 | - | - | 4.00 | - | 10 | - |
| | Month | 113.3 | - | 21 | 15 | 11.9 | - | +4.5 | 13 | 0 | 223.8 | 176.4 | +1.2 | 13 | 0 | - | - | 5.59 | - | 10 | - |
| Dunsany (Grange) Co. Meath | 1-10 | 6.7 | - | 5 | 2 | | | | | | | | | | | | | 5.70 | - | | |
| | 11-20 | 64.2 | - | 9 | 6 | NA | | NA | | | | | NA | | | | | 4.33 | - | NA | |
| | 21-end | 9.7 | - | 6 | 4 | | | | | | | | | | | | | 4.60 | - | | |
| | Month | 80.6 | - | 20 | 12 | | | | | | | | | | | | | 4.72 | - | | |
| Clones e Co. Monaghan | 1-10 | 3.3 | - | 2 | 1 | 11.9 | - | +4.8 | 10 | 0 | 75.5 | 59.8 | -0.2 | 10 | 1 | 15.4 | - | 6.10 | - | 6 | 0 |
| | 11-20 | 65.5 | - | 10 | 9 | 11.1 | - | +5.9 | 15 | 0 | 67.0 | 51.0 | +3.1 | 11 | 0 | 13.1 | - | 3.52 | - | 7 | 0 |
| | 21-end | 21.6 | - | 9 | 5 | 12.8 | - | +6.4 | 27 | 0 | 83.7 | 67.7 | +3.0 | 27 | 0 | 14.3 | - | 3.91 | - | 7 | 0 |
| | Month | 90.4 | 122 | 21 | 15 | 11.9 | -1.3 | +4.8 | 10 | 0 | 226.2 | 178.5 | -0.2 | 10 | 1 | 14.3 | -1.5 | 4.51 | 83 | 6 | 0 |
| Birr e Co. Offaly | 1-10 | 4.2 | - | 5 | 1 | 12.6 | - | +5.7 | 09 | 0 | 82.7 | 66.7 | +2.6 | 01 | 0 | 15.9 | - | 6.05 | - | 6 | 0 |
| | 11-20 | 38.2 | - | 9 | 7 | 10.9 | - | +3.8 | 15 | 0 | 66.0 | 51.2 | +1.2 | 11 | 0 | 13.9 | - | 2.52 | - | 6 | 0 |
| | 21-end | 9.3 | - | 8 | 2 | 13.5 | - | +4.7 | 28 | 0 | 90.5 | 74.8 | +2.5 | 28 | 0 | 15.8 | - | 5.03 | - | 6 | 1 |
| | Month | 51.7 | 87 | 22 | 10 | 12.4 | -1.4 | +3.8 | 15 | 0 | 239.2 | 192.7 | +1.2 | 11 | 0 | 15.2 | -1.1 | 4.53 | 76 | 6 | 1 |
| Thurles Co. Tipperary | 1-10 | 9.0 | - | 4 | 2 | 12.5 | - | +3.4 | 01 | 0 | 80.7 | 65.1 | -0.4 | 01 | 2 | - | - | 5.10 | - | - | - |
| | 11-20 | 28.4 | - | 7 | 4 | 11.3 | - | +2.3 | 13 | 0 | 68.8 | 53.2 | NA | NA | - | - | - | 2.44 | - | - | - |
| | 21-end | 8.0 | - | 7 | 2 | 13.6 | - | +5.2 | 28 | 0 | 91.9 | 76.2 | -0.8 | 28 | 1 | - | - | 4.37 | - | - | - |
| | Month | 45.4 | 71 | 18 | 8 | 12.4 | -1.4 | +2.3 | 13 | 0 | 241.4 | 194.5 | NA | NA | - | - | - | 3.97 | - | - | - |
| Dungarvan (Ballygagin) Co. Waterford | 1-10 | 3.0 | - | 4 | 1 | 13.9 | - | +2.8 | 01 | 0 | 86.3 | 70.7 | -1.4 | 01 | 1 | - | - | 5.27 | - | 4 | - |
| | 11-20 | 38.7 | - | 6 | 4 | 11.8 | - | +4.1 | 13 | 0 | 74.2 | 59.3 | -1.0 | 13 | 2 | - | - | 4.96 | - | 7 | - |
| | 21-end | 8.0 | - | 5 | 3 | 13.7 | - | +4.0 | 28 | 0 | 93.2 | 77.7 | +0.5 | 28 | 0 | - | - | 5.43 | - | 5 | - |
| | Month | 49.7 | - | 15 | 8 | 12.8 | - | +2.8 | 01 | 0 | 253.7 | 207.7 | -1.4 | 01 | 3 | - | - | 5.22 | - | 5 | - |
| Mullingar e Co. Westmeath | 1-10 | 2.1 | - | 2 | 2 | 12.2 | - | +5.3 | 09 | 0 | 78.0 | 62.3 | +4.1 | 09 | 0 | 15.4 | - | 5.63 | - | 7 | 0 |
| | 11-20 | 60.1 | - | 10 | 7 | 11.3 | - | +3.1 | 15 | 0 | 70.4 | 55.1 | +0.6 | 15 | 0 | 13.4 | - | 3.84 | - | 8 | 0 |
| | 21-end | 20.2 | - | 7 | 6 | 13.6 | - | +5.6 | 28 | 0 | 92.2 | 76.2 | +3.8 | 28 | 0 | 15.3 | - | 4.30 | - | 8 | 1 |
| | Month | 82.4 | 114 | 19 | 15 | 12.4 | -1.2 | +3.1 | 15 | 0 | 240.6 | 193.6 | +0.6 | 15 | 0 | 14.7 | -1.2 | 4.59 | 80 | 8 | 1 |
| Campile (Ballysop) Co. Wexford | 1-10 | 19.7 | - | 4 | 4 | 12.6 | - | +5.8 | 01 | 0 | 81.5 | 65.5 | +2.6 | 01 | 0 | - | - | 5.68 | - | NA | - |
| | 11-20 | 41.0 | - | 5 | 4 | 11.3 | - | +4.3 | 15 | 0 | 68.9 | 53.6 | -0.6 | 17 | 1 | - | - | 3.92 | - | NA | - |
| | 21-end | 10.0 | - | 6 | 3 | 13.4 | - | +5.9 | 08 | 0 | 89.7 | 73.7 | +1.0 | 27 | 0 | - | - | 4.84 | - | NA | - |
| | Month | 70.7 | - | 15 | 11 | 12.4 | - | +4.3 | 15 | 0 | 240.1 | 192.8 | -0.6 | 17 | 1 | - | - | 4.81 | - | NA | - |

See January issue of Bulletin for explanatory notes on the tables.

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

JUNE 1971

| STATION | PERIOD | RAINFALL | | | | TEMPERATURE | | | | | | | | | | BRIGHT SUNSHINE | | WIND | | | |
|---------------------------------|--------|----------|-----------------------|------------------|-----------------|-------------|-------------------------|----------------|-----|----------------------------|-------------------------|-------------------------|----------------------|-----|-------------------------------|-----------------|-----------------------|------------|-----------------------------|------------|-------------------------|
| | | Amount | Percentage of Average | No. of Rain Days | No. of Wet Days | AIR | | | | | GROUND | | SOIL (10 cm) | | | Mean Daily | Percentage of Average | Mean Speed | No. of Days with Gale Gusts | | |
| | | | | | | Mean Daily | Difference from Average | Lowest Minimum | Day | No. of Days with Air Frost | Degree Days Above 4.4°C | Degree Days Above 6.0°C | Lowest Grass Minimum | Day | No. of Days with Ground Frost | | | | | Mean Daily | Difference from Average |
| mm | % | °C | °C | °C | °C | °C | °C | °C | °C | °C | °C | °C | Hr | % | Kt | | | | | | |
| Clonroche Co. Wexford | 1-10 | 6.0 | - | 4 | 3 | 12.0 | - | +4.7 | 01 | 0 | 76.1 | 60.4 | -1.7 | 01 | 2 | - | - | 5.84 | - | 6 | - |
| | 11-20 | 37.4 | - | 6 | 4 | 10.9 | - | +4.3 | 13 | 0 | 64.9 | 49.9 | -0.8 | 13 | 2 | - | - | 3.79 | - | 6 | - |
| | 21-end | 12.0 | - | 4 | 2 | 12.9 | - | +4.5 | 27 | 0 | 84.9 | 69.2 | -3.0 | 27 | 1 | - | - | 4.41 | - | 4 | - |
| | Month | 55.4 | - | 14 | 9 | 11.9 | - | +4.3 | 13 | 0 | 225.9 | 179.5 | -3.0 | 27 | 5 | - | - | 4.68 | - | 5 | - |
| Johnstown Castle Co. Wexford | 1-10 | 22.0 | - | 6 | 4 | 11.8 | - | +6.7 | 01 | 0 | 74.4 | 58.4 | -3.5 | 01 | 2 | - | - | 5.82 | - | 6 | - |
| | 11-20 | 45.1 | - | 7 | 6 | 11.3 | - | +4.8 | 16 | 0 | 68.7 | 53.3 | -2.2 | 17 | 3 | - | - | 5.03 | - | 8 | - |
| | 21-end | 8.9 | - | 6 | 3 | 12.8 | - | +6.0 | 27 | 0 | 84.3 | 68.3 | -3.0 | 27 | 3 | - | - | 6.06 | - | 8 | - |
| | Month | 76.0 | 111 | 19 | 13 | 12.0 | - | +4.8 | 16 | 0 | 227.4 | 180.0 | -3.5 | 01 | 8 | - | - | 5.64 | - | 7 | - |
| Rosslare e Co. Wexford | 1-10 | 19.9 | - | 7 | 5 | 11.7 | - | +8.0 | 01 | 0 | 73.2 | 57.2 | +3.7 | 01 | 0 | 14.7 | - | 6.26 | - | 19 | 4 |
| | 11-20 | 41.7 | - | 6 | 5 | 11.8 | - | +6.7 | 15 | 0 | 75.0 | 59.0 | +3.2 | 13 | 0 | 13.3 | - | 5.17 | - | 12 | 3 |
| | 21-end | 7.7 | - | 4 | 2 | 13.2 | - | +7.1 | 22 | 0 | 87.6 | 71.6 | +4.4 | 22 | 0 | 15.9 | - | 7.20 | - | 10 | 1 |
| | Month | 69.3 | 121 | 17 | 12 | 12.2 | -1.6 | +6.7 | 15 | 0 | 235.8 | 187.8 | +3.2 | 13 | 0 | 14.6 | -2.5 | 6.21 | 83 | 14 | 8 |

TABLE 2. SOLAR RADIATION (GLOBAL), POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE

| STATION | PERIOD | SOLAR RADIATION | P.E. | SOIL MOISTURE | | |
|--|--------|-----------------------|--------|---------------|---------------------|---------|
| | | Amount | Amount | Deficit | Accumulated Deficit | Surplus |
| | | Joule/cm ² | mm | mm | mm | mm |
| Carlow (Oak Park) Co. Carlow | 1-10 | - | 25 | 13 | 43 | 0 |
| | 11-20 | - | 16 | 0 | 28 | 15 |
| | 21-end | - | 25 | 12 | 40 | 0 |
| | Month | - | - | - | - | - |
| Kinsealy Co. Dublin | 1-10 | 19648 | 29 | 12 | 72 | 0 |
| | 11-20 | 16568 | 27 | 0 | 39 | 33 |
| | 21-end | 18779 | 27 | 13 | 52 | 0 |
| | Month | 54995 | 83 | - | - | - |
| Cahirciveen e (Valentia Obsy.) Co. Kerry | 1-10 | 18407 | 23 | 19 | 19 | 0 |
| | 11-20 | 17872 | 32 | 0 | - | 26 |
| | 21-end | 13897 | 11 | 0 | - | 5 |
| | Month | 50176 | 66 | - | - | - |
| Kilkenny e Co. Kilkenny | 1-10 | 18736 | - | - | - | - |
| | 11-20 | 16308 | - | - | - | - |
| | 21-end | 18592 | - | - | - | - |
| | Month | 53636 | - | - | - | - |
| Ballinamore Co. Leitrim | 1-10 | 18727 | 19 | 16 | 16 | 0 |
| | 11-20 | 13585 | 17 | 0 | - | 65 |
| | 21-end | 17329 | 14 | 0 | - | 11 |
| | Month | 49641 | 50 | - | - | - |
| Glenamoy Co. Mayo | 1-10 | 22658 | 48 | 44 | 73 | 0 |
| | 11-20 | 15520 | 19 | 0 | 11 | 62 |
| | 21-end | 15651 | 23 | 0 | - | 15 |
| | Month | 53829 | 90 | - | - | - |
| Birr e Co. Offaly | 1-10 | 19172 | - | - | - | - |
| | 11-20 | 14323 | - | - | - | - |
| | 21-end | 17737 | - | - | - | - |
| | Month | 51232 | - | - | - | - |
| Johnstown Castle Co. Wexford | 1-10 | - | 26 | 4 | 21 | 0 |
| | 11-20 | - | 22 | 0 | - | 23 |
| | 21-end | - | 26 | 17 | 17 | 0 |
| | Month | - | 74 | - | - | - |

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