



AGROMETEOROLOGICAL BULLETIN

OCTOBER 1974

The weather during October

A feature of the growing season this year has been the persistence of below average temperatures since the end of April and with temperatures during October being well below normal everywhere, this was the sixth consecutive month in which mean air temperatures were below normal levels in almost all areas - the exceptions were coastal areas in the extreme north where mean air temperatures were slightly above normal in May and August. In October, mean air temperatures were from 1.2°C (Malin Head) to 2.3°C (Cahirciveen, Rosslare and Dublin Airport) below normal and were the lowest October values since 1905 at Cahirciveen and since 1917 at Roches Point. There was fairly frequent occurrence of ground frost in many inland places and air frost was recorded at some inland stations during the first and last weeks. Totals of degree days above 10°C accumulated during the month ranged from 8 in the north Midlands to 19 near the south coast; these totals compared most unfavourably with normal October totals of 48 and 71 respectively and are an indication of the poor growing conditions which obtained during the month. Over the months May - October (inc.) this year the accumulation of degree days above 10°C was one of the lowest for that period in recent times, ranging from 414°C, days at Malin Head to 582°C, days at Shannon Airport; the corresponding averages are 520°C, days and 723°C, days respectively.

Rainfall totals for the north were below normal in almost all areas, the exceptions being parts of the Northwest where totals were slightly above normal. In most areas, rainfall was less than 70% of normal and in parts of the South and East it was less than 40% of normal. In most areas dry spells facilitated harvesting which had been delayed because of adverse weather during September; in parts of the Northwest, however, where rainfall was near or above normal and where there was an absence of dry periods, harvesting conditions continued to be difficult.

TABLE 1.

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

OCTOBER, 1974

| 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 4.4°C | Degree Days Above 10.0°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 | °C | °C | °C | r | % | Kt | | | |
| Carlow (Oak Park) Co. Carlow | 1-10 | 7.4 | - | 5 | 3 | 8.2 | - | +1.0 | 01 | 0 | 41 | 6 | -2.3 | 09 | 4 | - | - | 3.68 | - | 5 | - |
| | 11-20 | 19.4 | - | 9 | 5 | 8.1 | - | +0.5 | 12 | 0 | 41 | 5 | -3.2 | 12 | 3 | - | - | 1.96 | - | 4 | - |
| | 21-end | 4.0 | - | 4 | 1 | 7.0 | - | -2.5 | 30 | 2 | 34 | 3 | -7.0 | 30 | 5 | - | - | 2.85 | - | 6 | - |
| | Month | 30.8 | - | 18 | 9 | 7.8 | - | -2.5 | 30 | 2 | 116 | 14 | -7.0 | 30 | 12 | - | - | 2.83 | - | 5 | - |
| Shannon Airport Co. Clare | 1-10 | 12.8 | - | 8 | 4 | 9.3 | - | +2.7 | 03 | 0 | 50 | 7 | -1.0 | 01 | 2 | 9.8 | - | 4.20 | - | 10 | 2 |
| | 11-20 | 38.3 | - | 7 | 6 | 9.2 | - | +3.3 | 12 | 0 | 49 | 6 | -1.9 | 12 | 3 | 9.7 | - | 1.68 | - | 9 | 1 |
| | 21-end | 10.5 | - | 4 | 2 | 8.4 | - | +3.1 | 22 | 0 | 45 | 4 | -1.4 | 22 | 4 | 8.3 | - | 2.28 | - | 11 | 2 |
| | Month | 61.6 | 68 | 19 | 12 | 9.0 | -1.7 | +2.7 | 03 | 0 | 144 | 17 | -1.9 | 12 | 9 | 9.2 | -2.1 | 2.71 | 94 | 10 | 5 |
| Fermoy (Moore Park) Co. Cork | 1-10 | 5.7 | - | 3 | 2 | 8.1 | - | +1.0 | 01 | 0 | 39 | 6 | -4.5 | 01 | 7 | - | - | 4.17 | - | - | - |
| | 11-20 | 22.8 | - | 8 | 5 | 8.3 | - | +2.1 | 17 | 0 | 41 | 5 | -3.4 | 17 | 6 | - | - | 2.03 | - | N/A | - |
| | 21-end | 1.9 | - | 5 | 0 | 7.6 | - | -0.6 | 24 | 1 | 38 | 4 | -6.3 | 24 | 6 | - | - | 1.87 | - | - | - |
| | Month | 30.4 | - | 16 | 7 | 8.0 | - | -0.6 | 24 | 1 | 118 | 15 | -6.3 | 24 | 19 | - | - | 2.66 | - | - | - |
| Mallow Co. Cork | 1-10 | 11.1 | - | 5 | 3 | 8.6 | - | -0.8 | 01 | 1 | 45 | 7 | -4.5 | 10 | 3 | - | - | 3.47 | - | - | - |
| | 11-20 | 23.6 | - | 7 | 5 | 8.2 | - | +1.7 | 12 | 0 | 40 | 5 | -3.2 | 12 | 5 | - | - | 1.53 | - | - | - |
| | 21-end | 1.8 | - | 4 | 0 | 7.7 | - | -0.6 | 30 | 1 | 40 | 4 | -6.2 | 30 | 5 | - | - | 1.70 | - | - | - |
| | Month | 36.5 | 38 | 16 | 8 | 8.1 | - | -0.8 | 01 | 2 | 125 | 16 | -6.2 | 30 | 13 | - | - | 2.22 | - | - | - |
| Roche's Point Co. Cork | 1-10 | 4.4 | - | 2 | 1 | 9.7 | - | +5.3 | 03 | 0 | 53 | 7 | +3.2 | 03 | 0 | 10.1 | - | 5.46 | - | 15 | 3 |
| | 11-20 | 15.3 | - | 5 | 2 | 9.6 | - | +5.5 | 12 | 0 | 52 | 7 | +2.5 | 12 | 0 | 9.9 | - | 2.64 | - | 12 | 3 |
| | 21-end | 5.1 | - | 1 | 1 | 8.7 | - | +3.7 | 30 | 0 | 47 | 5 | -0.5 | 24 | 1 | 8.5 | - | 3.19 | - | 15 | 4 |
| | Month | 24.8 | 28 | 8 | 4 | 9.3 | -2.1 | +3.7 | 30 | 0 | 152 | 19 | -0.5 | 24 | 1 | 9.5 | -2.3 | 3.75 | 118 | 14 | 10 |
| Glencolumbkille Co. Donegal | 1-10 | 42.4 | - | 10 | 8 | 9.7 | - | +4.2 | 01 | 0 | 53 | 6 | | | | - | - | 3.09 | - | 5 | - |
| | 11-20 | 63.3 | - | 10 | 8 | 9.0 | - | +5.0 | 17 | 0 | 46 | 4 | N/A | N/A | | - | - | 1.76 | - | 3 | - |
| | 21-end | 20.6 | - | 11 | 9 | 8.4 | - | +4.7 | 29 | 0 | 45 | 2 | | | | - | - | 1.11 | - | 7 | - |
| | Month | 126.3 | - | 31 | 25 | 9.0 | - | +4.2 | 01 | 0 | 144 | 12 | | | | - | - | 1.96 | - | 5 | - |
| Glenties Co. Donegal | 1-10 | 43.7 | - | 9 | 8 | 8.1 | - | -1.0 | 03 | 1 | 40 | 5 | | | | - | - | 3.03 | - | - | - |
| | 11-20 | 61.5 | - | 9 | 7 | 7.7 | - | +0.5 | 17 | 0 | 35 | 3 | N/A | N/A | | - | - | 1.58 | - | - | - |
| | 21-end | 37.1 | - | 10 | 9 | 7.4 | - | +1.0 | 22 | 0 | 35 | 2 | | | | - | - | 1.34 | - | - | - |
| | Month | 142.3 | 94 | 28 | 24 | 7.7 | - | -1.0 | 03 | 0 | 110 | 10 | | | | - | - | 1.96 | - | - | - |

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

OCTOBER, 1974

| 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 4.4°C | Degree Days Above 10.0°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 | °C | Hr | % | Kt | | | | | |
| Malin Head Co. Donegal | 1-10 | 19.1 | - | 9 | 5 | 10.0 | - | +6.7 | 06 | 0 | 57 | 5 | +3.0 | 07 | 0 | 9.3 | - | 3.50 | - | 21 | 7 |
| | 11-20 | 33.3 | - | 9 | 6 | 9.3 | - | +5.3 | 20 | 0 | 49 | 4 | +3.4 | 20 | 0 | 9.1 | - | 2.20 | - | 15 | 4 |
| | 21-end | 9.0 | - | 8 | 7 | 8.6 | - | +3.9 | 28 | 0 | 46 | 1 | +3.2 | 28 | 0 | 7.8 | - | 1.08 | - | 22 | 7 |
| | Month | 61.4 | 60 | 26 | 18 | 9.3 | -1.2 | +3.9 | 28 | 0 | 152 | 10 | +3.0 | 07 | 0 | 8.7 | - | 2.22 | 96 | 19 | 18 |
| Dublin Airport Co. Dublin | 1-10 | 10.0 | - | 6 | 2 | 8.2 | - | +2.1 | 01 | 0 | 40 | 5 | +0.7 | 01 | 0 | 8.8 | - | 4.42 | - | 11 | 0 |
| | 11-20 | 15.1 | - | 8 | 5 | 8.5 | - | +3.1 | 12 | 0 | 42 | 4 | +2.1 | 19 | 0 | 9.1 | - | 2.56 | - | 9 | 0 |
| | 21-end | 1.5 | - | 5 | 0 | 7.3 | - | +0.6 | 30 | 0 | 35 | 3 | -0.5 | 30 | 1 | 6.9 | - | 3.54 | - | 13 | 2 |
| | Month | 26.6 | 38 | 19 | 7 | 8.0 | -2.3 | +0.6 | 30 | 0 | 117 | 12 | -0.5 | 30 | 1 | 8.2 | -2.3 | 3.51 | 108 | 11 | 2 |
| Kinsealy Co. Dublin | 1-10 | 8.8 | - | 5 | 4 | 8.7 | - | +2.6 | 01 | 0 | 43 | 6 | -1.3 | 01 | 3 | - | - | 4.11 | - | 6 | - |
| | 11-20 | 14.6 | - | 9 | 5 | 8.9 | - | +2.9 | 12 | 0 | 46 | 6 | -3.6 | 19 | 3 | - | - | 2.67 | - | 5 | - |
| | 21-end | 1.5 | - | 4 | 0 | 7.5 | - | +1.4 | 30 | 0 | 37 | 3 | -1.8 | 30 | 1 | - | - | 3.37 | - | 7 | - |
| | Month | 24.9 | - | 18 | 9 | 8.3 | - | +1.4 | 30 | 0 | 126 | 15 | -3.6 | 19 | 7 | - | - | 3.38 | - | 6 | - |
| Galway (Univ. Coll.) Co. Galway | 1-10 | 14.0 | - | 7 | 3 | 9.5 | - | +3.0 | 03 | 0 | 52 | 7 | | | | | | 4.54 | | | |
| | 11-20 | 43.1 | - | 8 | 7 | 9.2 | - | +4.5 | 17 | 0 | 49 | 5 | N/A | | | | | 2.26 | | | |
| | 21-end | 3.8 | - | 7 | 1 | 8.6 | - | +4.6 | 29 | 0 | 47 | 4 | | N/A | | | | 2.46 | | N/A | |
| | Month | 60.9 | - | 22 | 11 | 9.1 | - | +3.0 | 03 | 0 | 148 | 16 | | | | | | 3.07 | | | |
| Killarney (Muckross Hse) Co. Kerry | 1-10 | 16.8 | - | 7 | 4 | 8.3 | - | +0.3 | 02 | 0 | 42 | 5 | -3.5 | 03 | 6 | - | - | 2.58 | - | - | - |
| | 11-20 | 56.8 | - | 8 | 6 | 9.1 | - | +3.2 | 12 | 0 | 50 | 7 | -4.0 | 12 | 4 | - | - | 1.32 | - | - | - |
| | 21-end | 9.9 | - | 8 | 6 | 8.1 | - | +2.7 | 23 | 0 | 43 | 4 | -5.0 | 22 | 5 | - | - | 1.34 | - | - | - |
| | Month | 83.5 | - | 23 | 16 | 8.5 | - | +0.3 | 02 | 0 | 135 | 16 | -5.0 | 22 | 15 | - | - | 1.73 | - | - | - |
| Cahirciveen (Valentia Obby.) Co. Kerry | 1-10 | 20.1 | - | 7 | 4 | 9.6 | - | +1.0 | 01 | 0 | 53 | 7 | -2.6 | 01 | 1 | 9.8 | - | 3.84 | - | 12 | 2 |
| | 11-20 | 46.7 | - | 7 | 7 | 9.6 | - | +4.3 | 15 | 0 | 51 | 7 | -0.3 | 15 | 1 | 9.8 | - | 1.60 | - | 9 | 2 |
| | 21-end | 9.2 | - | 8 | 4 | 8.8 | - | +3.5 | 24 | 0 | 48 | 4 | -1.3 | 24 | 1 | 8.6 | - | 1.15 | - | 11 | 3 |
| | Month | 76.0 | 59 | 22 | 15 | 9.3 | -2.3 | +1.0 | 01 | 0 | 152 | 18 | -2.6 | 01 | 3 | 9.4 | -2.3 | 2.16 | 110 | 11 | 7 |
| Tralee (Caherweesheen) Co. Kerry | 1-10 | 17.6 | - | 7 | 3 | 8.6 | - | -0.6 | 01 | 1 | 44 | 7 | -4.3 | 01 | 3 | - | - | 3.59 | - | - | - |
| | 11-20 | 46.0 | - | 7 | 7 | 8.5 | - | +0.9 | 12 | 0 | 43 | 6 | -2.5 | 12 | 2 | - | - | 1.56 | - | - | - |
| | 21-end | 11.1 | - | 8 | 4 | 8.0 | - | +1.3 | 24 | 0 | 41 | 3 | -2.5 | 24 | 4 | - | - | 1.53 | - | - | - |
| | Month | 74.7 | - | 22 | 14 | 8.3 | - | -0.6 | 01 | 1 | 128 | 16 | -4.3 | 01 | 9 | - | - | 2.20 | - | - | - |

See January issue of Bulletin for explanation of symbols.

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

OCTOBER, 1974

| 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 4.4°C | Degree Days Above 10.0°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 | | | | | |
| Lullymore Co. Kildare | 1-10 | 17.4 | - | 8 | 4 | 7.3 | - | -1.3 | 01 | 1 | 34 | 5 | -8.9 | 01 | 5 | - | - | 3.60 | - | 7 | - |
| | 11-20 | 34.1 | - | 10 | 9 | 7.7 | - | +1.4 | 19 | 0 | 35 | 3 | -2.9 | 12 | 5 | - | - | 1.81 | - | 6 | - |
| | 21-end | 2.6 | - | 6 | 0 | 6.5 | - | -0.5 | 30 | 1 | 29 | 2 | -6.5 | 30 | 7 | - | - | 3.15 | - | 8 | - |
| | Month | 54.1 | - | 24 | 13 | 7.1 | - | -1.3 | 01 | 2 | 98 | 10 | -8.9 | 01 | 17 | - | - | 2.83 | - | 7 | - |
| Kilkenny Co. Kilkenny | 1-10 | 6.1 | - | 5 | 1 | 8.4 | - | +1.1 | 09 | 0 | 42 | 6 | -1.8 | 01 | 4 | 8.7 | - | 4.29 | - | 7 | 0 |
| | 11-20 | 25.8 | - | 8 | 7 | 8.5 | - | +1.7 | 12 | 0 | 42 | 5 | -1.0 | 12 | 2 | 8.8 | - | 2.65 | - | 5 | 1 |
| | 21-end | 4.1 | - | 4 | 1 | 7.4 | - | -1.2 | 30 | 2 | 38 | 4 | -5.4 | 30 | 4 | 7.0 | - | 3.15 | - | 8 | 1 |
| | Month | 36.0 | 45 | 17 | 9 | 8.1 | -1.8 | -1.2 | 30 | 2 | 122 | 15 | -5.4 | 30 | 10 | 8.2 | -2.3 | 3.36 | 114 | 6 | 2 |
| Moncooin (Silverspring) Co. Kilkenny | 1-10 | 3.9 | - | 5 | 1 | 8.8 | - | +2.6 | 06 | 0 | 45 | 7 | -4.7 | 01 | 6 | - | - | 4.89 | - | - | - |
| | 11-20 | 16.8 | - | 7 | 4 | 8.5 | - | +0.4 | 19 | 0 | 44 | 6 | -5.8 | 12 | 4 | - | - | 2.63 | - | - | - |
| | 21-end | 2.2 | - | 2 | 1 | 7.5 | - | -0.4 | 30 | 1 | 38 | 4 | -7.3 | 30 | 6 | - | - | 3.41 | - | - | - |
| | Month | 22.9 | - | 14 | 6 | 8.2 | - | -0.4 | 30 | 1 | 127 | 17 | -7.3 | 30 | 16 | - | - | 3.64 | - | - | - |
| Ballinamore Co. Leitrim | 1-10 | 15.9 | - | 6 | 3 | 8.1 | - | +0.2 | 01 | 0 | 40 | 5 | -3.5 | 03 | 5 | - | - | 3.64 | - | 6 | - |
| | 11-20 | 46.6 | - | 8 | 8 | 8.0 | - | +1.4 | 15 | 0 | 38 | 3 | -2.0 | 12 | 4 | - | - | 1.95 | - | 4 | - |
| | 21-end | 11.5 | - | 7 | 3 | 7.5 | - | +2.0 | 22 | 0 | 37 | 3 | -1.9 | 30 | 4 | - | - | 3.08 | - | 7 | - |
| | Month | 74.0 | - | 21 | 14 | 7.9 | - | +0.2 | 01 | 0 | 115 | 11 | -3.5 | 03 | 13 | - | - | 2.90 | - | 5 | - |
| Ardee (Boharnamoe) Co. Louth | 1-10 | 10.1 | - | 5 | 3 | 7.7 | - | -1.1 | 01 | 1 | 38 | 6 | -3.2 | 01 | 6 | - | - | - | - | - | - |
| | 11-20 | 19.9 | - | 7 | 6 | 8.0 | - | +0.7 | 12 | 0 | 38 | 5 | -3.7 | 12 | 6 | - | - | - | - | - | - |
| | 21-end | 2.8 | - | 6 | 0 | 6.8 | - | -1.9 | 23 | 2 | 32 | 3 | -4.6 | 23 | 5 | - | - | - | - | - | - |
| | Month | 32.8 | - | 18 | 9 | 7.5 | - | -1.9 | 23 | 3 | 108 | 14 | -4.6 | 23 | 17 | - | - | - | - | - | - |
| Ballinrobe (Creagh) Co. Mayo | 1-10 | 11.8 | - | 9 | 4 | 8.6 | - | +1.6 | 01 | 0 | 43 | 6 | -4.7 | 03 | 6 | - | - | 4.31 | - | 3 | - |
| | 11-20 | 24.5 | - | 9 | 6 | 8.7 | - | +1.6 | 17 | 0 | 44 | 6 | -5.1 | 11 | 7 | - | - | 2.06 | - | 4 | - |
| | 21-end | 9.9 | - | 5 | 3 | 8.1 | - | +2.2 | 30 | 0 | 43 | 4 | -5.1 | 23 | 8 | - | - | 2.23 | - | 5 | - |
| | Month | 46.2 | - | 23 | 13 | 8.4 | - | +1.6 | 01 | 0 | 130 | 16 | -5.1 | 11 | 21 | - | - | 2.81 | - | 4 | - |
| Belmullet Co. Mayo | 1-10 | 29.7 | - | 8 | 7 | 9.5 | - | +2.9 | 01 | 0 | 51 | 6 | -0.5 | 01 | 1 | 9.6 | - | 4.26 | - | 15 | 2 |
| | 11-20 | 43.4 | - | 8 | 8 | 9.1 | - | +2.8 | 17 | 0 | 48 | 5 | -2.1 | 17 | 1 | 9.5 | - | 2.54 | - | 12 | 2 |
| | 21-end | 9.4 | - | 9 | 3 | 8.8 | - | +4.5 | 29 | 0 | 48 | 3 | +2.0 | 30 | 0 | 8.5 | - | 1.56 | - | 15 | 3 |
| | Month | 82.5 | 69 | 25 | 18 | 9.2 | -1.6 | +2.8 | 17 | 0 | 147. | 14 | -2.1 | 17 | 2 | 9.2 | -1.9 | 2.76 | 97 | 14 | 7 |

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

OCTOBER, 1974

| 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 4.4 °C | Degree Days Above 10.0 °C | Lowest Grass Minimum | Day | No. of Days with Ground Frost | Mean Daily | | | | | Difference from Average |
| mm | % | °C | °C | °C | | | | | | °C | °C | °C | °C | Hr | % | Kt | | | | | |
| Claremorris e Co. Mayo | 1-10 | 16.1 | - | 7 | 4 | 8.3 | - | +1.9 | 03 | 0 | 40 | 5 | -1.6 | 01 | 3 | 9.0 | - | 4.27 | - | 9 | 2 |
| | 11-20 | 23.3 | - | 8 | 5 | 8.1 | - | +2.2 | 17 | 0 | 38 | 4 | -0.9 | 17 | 1 | 9.1 | - | 2.18 | - | 7 | 2 |
| | 21-end | 7.7 | - | 6 | 2 | 7.6 | - | +2.7 | 24 | 0 | 37 | 2 | -1.9 | 24 | 1 | 7.5 | - | 2.69 | - | 10 | 3 |
| | Month | 47.1 | 42 | 21 | 11 | 8.0 | -1.7 | +1.9 | 03 | 0 | 115 | 11 | -1.9 | 24 | 5 | 8.5 | -1.7 | 3.04 | 119 | 9 | 7 |
| Glenamoy Co. Mayo | 1-10 | 31.9 | - | 10 | 8 | 8.8 | - | +0.2 | 01 | 0 | 45 | 6 | -1.3 | 01 | 2 | - | - | 2.74 | - | - | - |
| | 11-20 | 51.0 | - | 9 | 9 | 8.2 | - | +0.9 | 15 | 0 | 40 | 4 | -1.2 | 15 | 2 | - | - | 1.93 | - | N/A | - |
| | 21-end | 21.9 | - | 11 | 8 | 8.3 | - | +3.9 | 30 | 0 | 43 | 3 | +0.3 | 30 | 0 | - | - | 1.50 | - | - | - |
| | Month | 104.8 | - | 30 | 25 | 8.4 | - | +0.2 | 01 | 0 | 128 | 13 | -1.3 | 01 | 4 | - | - | 2.04 | - | - | - |
| Dunsany (Grange) Co. Meath | 1-10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 11-20 | N/A | - | - | - | N/A | - | N/A | - | - | N/A | N/A | N/A | - | - | - | - | N/A | - | N/A | - |
| | 21-end | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Month | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Clones e Co. Monaghan | 1-10 | 14.4 | - | 8 | 3 | 8.1 | - | +1.9 | 01 | 0 | 37 | 4 | +3.0 | 01 | 5 | 8.4 | - | 3.68 | - | 8 | 2 |
| | 11-20 | 32.1 | - | 8 | 8 | 7.8 | - | +2.7 | 12 | 0 | 35 | 3 | -0.8 | 12 | 2 | 8.5 | - | 2.14 | - | 6 | 1 |
| | 21-end | 7.2 | - | 6 | 3 | 7.1 | - | +2.2 | 22 | 0 | 33 | 1 | -2.3 | 23 | 5 | 6.8 | - | 2.67 | - | 9 | 5 |
| | Month | 53.7 | 60 | 22 | 14 | 7.6 | -1.8 | +1.9 | 01 | 0 | 105 | 8 | -3.0 | 01 | 12 | 7.9 | -2.2 | 2.83 | 116 | 8 | 8 |
| Birr e Co. Offaly | 1-10 | 14.1 | - | 5 | 4 | 8.2 | - | -0.4 | 01 | 1 | 39 | 6 | -3.4 | 01 | 3 | 9.3 | - | 4.08 | - | 6 | 1 |
| | 11-20 | 32.4 | - | 9 | 6 | 8.4 | - | +2.8 | 12 | 0 | 41 | 5 | 0.0 | 12 | 1 | 9.2 | - | 2.16 | - | 4 | 1 |
| | 21-end | 4.0 | - | 4 | 2 | 7.3 | - | +1.0 | 30 | 0 | 36 | 3 | -3.3 | 30 | 4 | 7.1 | - | 2.41 | - | 7 | 1 |
| | Month | 50.5 | 60 | 18 | 12 | 8.0 | -1.9 | -0.4 | 01 | 1 | 116 | 14 | -3.4 | 01 | 8 | 8.5 | -2.0 | 2.87 | 97 | 6 | 3 |
| Thurles Co. Tipperary | 1-10 | 7.5 | - | 5 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 3.81 | - | - | - |
| | 11-20 | 22.9 | - | 7 | 6 | N/A | - | N/A | N/A | - | - | N/A | - | - | - | - | - | 1.84 | - | - | - |
| | 21-end | 1.9 | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2.64 | - | - | - |
| | Month | 32.3 | 37 | 14 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | 2.76 | - | - | - |
| Dungarvan (Ballygagin) Co. Waterford | 1-10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 11-20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 21-end | N/A | - | N/A | - | - | - | N/A | - | - | N/A | - | - | - | - | - | - | N/A | - | N/A | - |
| | Month | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

OCTOBER, 1974

| 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 4.4°C | Degree Days Above 10.0°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 | | | | | |
| Mullingar Co. Westmeath | 1-10 | 10.3 | - | 6 | 2 | 8.0 | - | +1.4 | 01 | 0 | 38 | 4 | -1.6 | 01 | 3 | 8.7 | - | 4.08 | - | 7 | 1 |
| | 11-20 | 38.1 | - | 9 | 6 | 7.9 | - | +2.1 | 12 | 0 | 37 | 3 | -1.2 | 19 | 2 | 8.9 | - | 2.20 | - | 7 | 2 |
| | 21-end | 5.6 | - | 7 | 2 | 6.8 | - | -0.1 | 30 | 1 | 31 | 1 | -3.5 | 30 | 5 | 7.0 | - | 3.06 | - | 10 | 3 |
| | Month | 54.0 | 59 | 22 | 10 | 7.6 | -2.0 | -0.1 | 30 | 1 | 106 | 8 | -3.5 | 30 | 10 | 8.2 | -2.0 | 3.11 | 111 | 8 | 6 |
| Campile (Ballysop) Co. Wexford | 1-10 | 5.0 | - | 3 | 2 | 8.6 | - | +2.9 | 10 | 0 | 43 | 7 | -3.6 | 10 | 7 | - | - | 4.38 | - | - | - |
| | 11-20 | 34.5 | - | 8 | 6 | 8.2 | - | +1.9 | 12 | 0 | 40 | 5 | -3.6 | 10 | 5 | - | - | 2.60 | - | N/A | - |
| | 21-end | 4.9 | - | 2 | 2 | 7.1 | - | +0.4 | 30 | 0 | 34 | 3 | -4.0 | 24 | 6 | - | - | 3.03 | - | - | - |
| | Month | 44.4 | - | 13 | 10 | 7.9 | - | +0.4 | 30 | 0 | 117 | 15 | -4.0 | 24 | 18 | - | - | 3.33 | - | - | - |
| Clonroche Co. Wexford | 1-10 | 5.8 | - | 4 | 2 | 8.2 | - | +2.4 | 01 | 0 | 41 | 5 | -6.9 | 01 | 8 | - | - | 5.14 | - | 4 | - |
| | 11-20 | 28.8 | - | 8 | 5 | 8.1 | - | +1.0 | 19 | 0 | 39 | 4 | -7.1 | 19 | 6 | - | - | 2.44 | - | 3 | - |
| | 21-end | 4.7 | - | 3 | 2 | 6.9 | - | 0.0 | 24 | 1 | 32 | 3 | -9.0 | 30 | 8 | - | - | 3.35 | - | 5 | - |
| | Month | 39.3 | - | 15 | 9 | 7.7 | - | 0.0 | 24 | 1 | 112 | 12 | -9.0 | 30 | 22 | - | - | 3.64 | - | 4 | - |
| Johnstown Castle Co. Wexford | 1-10 | 17.3 | - | 3 | 2 | 8.9 | - | +3.4 | 07 | 0 | 45 | 6 | -0.9 | 07 | 1 | - | - | 5.30 | - | 6 | - |
| | 11-20 | 27.5 | - | 7 | 5 | 8.8 | - | +2.5 | 19 | 0 | 45 | 5 | -1.6 | 19 | 2 | - | - | 2.82 | - | 5 | - |
| | 21-end | 1.5 | - | 1 | 1 | 7.6 | - | +1.9 | 30 | 0 | 37 | 4 | -2.1 | 24 | 2 | - | - | 3.89 | - | 6 | - |
| | Month | 46.3 | 46 | 11 | 8 | 8.5 | - | +1.9 | 30 | 0 | 127 | 15 | -2.1 | 24 | 5 | - | - | 4.00 | - | 5 | - |
| Rosslare Co. Wexford | 1-10 | 7.6 | - | 3 | 2 | 9.4 | - | +5.5 | 07 | 0 | 49 | 6 | +3.0 | 07 | 0 | 9.7 | - | 5.20 | - | 14 | 5 |
| | 11-20 | 26.3 | - | 7 | 5 | 9.3 | - | +4.7 | 19 | 0 | 49 | 6 | +1.0 | 20 | 0 | 9.8 | - | 3.08 | - | 10 | 2 |
| | 21-end | 2.5 | - | 1 | 1 | 8.4 | - | +3.1 | 30 | 0 | 44 | 4 | -0.1 | 24 | 1 | 8.0 | - | 4.16 | - | 12 | 4 |
| | Month | 36.4 | 42 | 11 | 8 | 9.0 | -2.3 | +3.1 | 30 | 0 | 142 | 16 | -0.1 | 24 | 1 | 9.1 | -2.5 | 4.15 | - | 12 | 11 |

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

TABLE 2.

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

OCTOBER, 1974

| STATION | PERIOD | SOLAR RADIATION | P.E. | SOIL MOISTURE | | |
|--|--------|-----------------|--------|---------------|---------------------|---------|
| | | Amount | Amount | Deficit | Accumulated Deficit | Surplus |
| Carlow (Oak Park) Co. Carlow | 1-10 | - | 8 | 1 | 1 | 0 |
| | 11-20 | - | 6 | 0 | 0 | 14 |
| | 21-end | - | 2 | 2 | 2 | 0 |
| | Month | - | 16 | - | - | - |
| Kinsealy Co. Dublin | 1-10 | N/A | 15 | 6 | 6 | 0 |
| | 11-20 | | 7 | 0 | 0 | 8 |
| | 21-end | | 17 | 16 | 16 | 0 |
| | Month | | 39 | - | - | - |
| Cahirciveen e (Valentia Obsy.) Co. Kerry | 1-10 | 8675 | 6 | 0 | 0 | 16 |
| | 11-20 | 5158 | 8 | 0 | 0 | 38 |
| | 21-end | 3954 | 2 | 0 | 0 | 9 |
| | Month | 17787 | 16 | - | - | - |
| Kilkenny e Co. Kilkenny | 1-10 | 9427 | - | - | - | - |
| | 11-20 | 6284 | - | - | - | - |
| | 21-end | 6673 | - | - | - | - |
| | Month | 22384 | - | - | - | - |
| Ballinamore Co. Leitrim | 1-10 | N/A | 10 | 0 | 0 | 6 |
| | 11-20 | | 5 | 0 | 0 | 41 |
| | 21-end | | 4 | 0 | 0 | 8 |
| | Month | | 19 | - | - | - |
| Glenamoy Co. Mayo | 1-10 | 7283 | 11 | 0 | 0 | 21 |
| | 11-20 | 5044 | 2 | 0 | 0 | 49 |
| | 21-end | 4299 | 6 | 0 | 0 | 16 |
| | Month | 16626 | 19 | - | - | - |
| Birr e Co. Offaly | 1-10 | 8524 | - | - | - | - |
| | 11-20 | 5471 | - | - | - | - |
| | 21-end | 5272 | - | - | - | - |
| | Month | 19267 | - | - | - | - |
| Johnstown Castle Co. Wexford | 1-10 | - | 14 | 0 | 0 | 3 |
| | 11-20 | - | 8 | 0 | 0 | 19 |
| | 21-end | - | 8 | 6 | 6 | 0 |
| | Month | - | 30 | - | - | - |

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