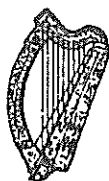


## METEOROLOGICAL SERVICE



# AGROMETEOROLOGICAL BULLETIN

MARCH 1983

### The Weather of March

A mild southwesterly airflow prevailed on the 1st and 2nd, with spells of rain or drizzle. A ridge of high pressure drifted northeastwards from the Azores on the 3rd and dominated conditions until its decline into Europe on the 11th. During this spell a mainly westerly airflow was maintained over the country and mild, very dull (apart from 4th) and dry weather prevailed in all regions. Clear skies overnight permitted sharp to severe ground frost to occur on the 8th.

A strong southerly airflow developed on the 12th during which day there were moderate falls of rain generally, heavy in southern areas. Conditions became changeable after the passage of a cold front (later on the 12th) but by the 15th an exceptionally mild southwesterly airflow set in and dominated until the 18th; there were outbreaks of rain and drizzle in this spell. Conditions after the 18th again became changeable with rain at times.

A cold, strong northwesterly airflow set in on the 21st with wintry showers. Apart from the moderating influence of a wave depression on the 23rd, for much of the remainder of the month a northerly or northwesterly airflow prevailed, steered by depressions which drifted southeastwards towards Ireland from the Icelandic region.

Monthly Amounts of Precipitation were well above normal except in parts of the south and southeast where amounts were below or near normal. Values varied from 202% of normal at Ballinamore to 94% of normal at Roche's Point. The first ten-day period was driest. Wettest days in the first half of the month occurred on the 2nd and 3rd in parts of the south, and on the 12th and 13th in the south, west and north-midlands. Rain was widespread and heavy in all regions on the 18th and in the northern half of the country on the 21st. Localised heavy falls occurred from the 22nd to the end of the month.

Mean Monthly Air Temperature was above normal, varying from 1.0°C above at Kilkenny to 0.3°C above at Valentia. Soil temperature (100mm) also varied from 1.5°C above average at Kilkenny to 0.5°C above at Rosslare. The warm conditions peaked about the 20th when soil temperatures were between 2.5°C and 3.5°C above average. Ground frost was widespread and sharp to severe on the 4th, 8th, 15th and 28th. Accumulated degree days (threshold 4.4°C) varied from 139% of average at Clones to 118% at Roche's Point.

Mean Duration of Bright Sunshine was well below normal everywhere. Values varied from 73% of normal at Kilkenny to 45% at Malin Head. The first ten-day period was dullest. Global solar radiation amounted to 77% of average at Birr (where sunshine was 48% of normal) and 83% of average at Kilkenny (where sunshine was 73% of normal).

Gales occurred everywhere on the 21st. Strong winds with gale gusts were widespread from 20th to 25th, and 29th to 31st.

Summary The month was exceptionally dull and very wet in most places. It was also very mild to the 20th; subsequent conditions were cold and wintry.

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 in Table 2 will be published in the Annual Summary of Solar Radiation.

TABLE 1

March 1983

STATION	PERIOD	RAINFALL (MM)				TEMPERATURE(°C)														BRIGHT SUNSHINE		WIND		P. E. (PENMAN) (MM)		
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10cm)				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	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST "GRASS-MIN."	DATE	DAYS WITH GROUND FROST	MEAN DAILY						DIFFERENCE FROM AVERAGE	
Garlow (Oak Park) Co. Carlow	1-10	10.8	-	3	2	10.2	5.0	7.6	-	0.0	4	0	34	-	1	-	-6.0	4	2	-	-	1.05	-	3.2	-	-
	11-20	24.4	-	8	7	11.2	6.0	8.6	-	-0.6	15	1	43	-	6	-	-5.5	15	2	-	-	1.35	-	5.1	-	-
	21-end	32.5	-	10	8	9.7	2.4	6.1	-	-0.6	28	1	24	-	1	-	-6.6	28	5	-	-	3.34	-	6.2	-	-
	Month	67.7	125	21	17	10.3	4.4	7.4	-	-0.6	28	2	102	-	8	-	-6.6	28	9	-	-	1.96	-	4.9	-	26
Shannon Airport Co. Clare	1-10	7.0	-	2	2	11.4	5.8	8.6	-	0.0	4	0	43	-	4	-	-5.4	4	2	7.8	-	1.03	-	3.4	0	-
	11-20	35.2	-	10	8	11.5	7.2	9.3	-	3.3	15	0	50	-	5	-	-1.0	15	1	8.9	-	1.29	-	5.8	2	-
	21-end	29.8	-	10	9	9.9	4.2	7.0	-	1.7	28	0	31	-	1	-	-0.7	28	2	7.1	-	2.71	-	8.0	8	-
	Month	72.0	126	22	19	10.9	5.7	8.3	+0.9	0.0	4	0	124	127	11	110	-5.4	4	5	7.9	+0.9	1.71	50	5.8	10	30
Fermoy (Coolnakilla) Co. Cork	1-10	19.9	-	3	2	9.1	4.1	6.6	-	-0.7	4	1	24	-	1	-	-5.5	4	1	-	-	1.11	-	3.8	-	-
	11-20	51.3	-	9	8	10.7	5.0	7.9	-	1.3	14	0	37	-	4	-	-1.6	14	3	-	-	1.20	-	5.0	-	-
	21-end	37.9	-	10	10	8.3	1.9	5.1	-	0.0	28	0	15	-	0	-	-3.2	28	6	-	-	2.86	-	8.7	-	-
	Month	109.1	-	22	20	9.3	3.6	6.5	-	-0.7	4	1	76	-	5	-	-5.5	4	10	-	-	1.76	-	5.8	-	24
Fermoy (Moore Park) Co. Cork	1-10	14.4	-	3	2	10.4	4.7	7.5	-	-3.0	4	1	34	-	2	-	-6.7	4	3	-	-	N/A	-	N/A	-	-
	11-20	38.5	-	10	9	11.1	5.7	8.6	-	-2.5	15	1	45	-	7	-	-6.5	15	2	-	-	N/A	-	N/A	-	-
	21-end	34.8	-	10	10	9.6	3.5	6.5	-	0.2	25	0	27	-	1	-	-4.5	25	6	-	-	2.78	-	N/A	-	-
	Month	87.7	115	23	21	10.4	4.6	7.5	-	-3.0	4	2	106	-	10	-	-6.7	4	11	-	-	N/A	-	N/A	-	N/A
Mallow Co. Cork	1-10	6.6	-	2	2	11.4	5.6	8.5	-	-0.5	5	2	44	-	4	-	-1.5	4	1	-	-	1.48	-	-	-	-
	11-20	40.9	-	9	8	12.0	7.1	9.6	-	-0.5	15	1	53	-	9	-	-0.6	15	1	-	-	1.09	-	-	-	-
	21-end	33.1	-	10	7	10.7	4.6	7.7	-	1.5	25	0	37	-	4	-	0.5	25	0	-	-	2.37	-	-	-	-
	Month	80.6	95	21	17	11.4	5.7	8.6	-	-0.5	15	3	134	-	17	-	-1.5	4	2	-	-	1.67	-	-	-	-
Roches Point Co. Cork	1-10	22.3	-	3	3	9.6	6.1	7.8	-	2.0	4	0	34	-	1	-	-1.5	4	2	7.8	-	1.50	-	2.8	0	-
	11-20	31.0	-	9	7	10.8	6.6	8.7	-	2.8	15	0	44	-	4	-	-1.5	15	1	8.7	-	1.87	-	5.0	1	-
	21-end	16.1	-	10	7	9.9	4.5	7.2	-	2.7	25	0	33	-	1	-	0.2	25	0	7.6	-	3.02	-	8.5	10	-
	Month	69.4	94	22	17	10.1	5.7	7.9	+0.4	2.0	4	0	111	118	6	-	-1.5	4	3	8.0	+0.6	2.16	63	5.5	11	31
Glencolumbkille Co. Donegal	1-10	9.3	-	5	2	9.9	5.8	7.8	-	2.8	4	0	35	-	1	-	-0.3	4	1	-	-	0.93	-	3.7	-	-
	11-20	92.4	-	10	10	10.0	6.1	8.0	-	1.7	19	0	38	-	1	-	-2.2	19	2	-	-	1.09	-	4.7	-	-
	21-end	61.6	-	11	10	8.3	2.8	5.5	-	1.2	24	0	17	-	0	-	-2.5	28	4	-	-	2.00	-	6.6	-	-
	Month	163.3	-	26	22	9.4	4.8	7.1	-	1.2	24	0	90	-	2	-	-2.5	28	7	-	-	1.36	-	5.0	-	23

Notes on the tables in January issue

TABLE 1 (CONTINUED)

March 1983

STATION	PERIOD	RAINFALL (MM)				TEMPERATURE (°C)														BRIGHT SUNSHINE		WIND		P.E. (PEWMAN) (MM)		
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10cm)				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	% 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	11.9	-	6	3	10.0	5.2	7.6	-	-0.8	4	1	34	-	1	-	-4.1	4	2	-	-	0.87	-	-	-	-
	11-20	89.1	-	10	10	10.5	5.4	7.9	-	-1.2	19	1	38	-	2	-	-3.4	19	2	-	-	0.89	-	-	-	-
	21-end	78.1	-	11	11	8.3	1.2	4.8	-	-2.9	28	2	15	-	0	-	-5.7	28	5	-	-	1.87	-	-	-	-
	Month	179.1	185	27	24	9.6	3.9	6.7	-	-2.9	28	4	87	-	3	-	-5.7	28	9	-	-	1.23	-	-	-	-
Malin Head Co. Donegal	1-10	4.3	-	5	1	9.8	6.1	7.9	-	2.3	4	0	36	-	0	-	-0.5	1	2	7.2	-	0.94	-	8.8	5	-
	11-20	55.3	-	10	9	10.1	6.1	8.1	-	1.8	20	0	38	-	1	-	0.3	19	0	8.1	-	1.65	-	8.5	7	-
	21-end	46.6	-	10	10	7.8	2.6	5.2	-	-0.3	21	1	15	-	0	-	-0.6	22	3	6.1	-	2.10	-	10.9	9	-
	Month	106.2	174	25	20	9.2	4.9	7.0	+0.4	-0.3	21	1	89	127	2	-	-0.6	22	5	7.1	+1.0	1.58	45	9.4	21	31
Casement Aerodrome Co. Dublin	1-10	9.5	-	3	2	10.4	4.7	7.6	-	0.1	8	0	34	-	2	-	-5.7	8	3	6.7	-	0.85	-	6.1	2	-
	11-20	16.0	-	9	4	11.6	6.0	8.8	-	0.8	15	0	46	-	6	-	-3.5	15	1	8.2	-	2.01	-	6.9	5	-
	21-end	35.2	-	10	10	8.9	1.5	5.2	-	-2.6	28	1	18	-	1	-	-6.2	28	6	5.7	-	2.75	-	7.5	6	-
	Month	60.7	124	22	16	10.3	4.0	7.1	+0.7	-2.6	28	1	99	136	9	-	-6.2	28	10	6.8	-	1.90	54	6.9	13	31
Dublin Airport Co. Dublin	1-10	11.0	-	3	3	10.4	5.1	7.8	-	0.1	4	0	35	-	2	-	-1.7	4	2	7.0	-	0.91	-	4.2	0	-
	11-20	13.8	-	8	5	11.5	6.0	8.8	-	0.4	15	0	45	-	6	-	-1.1	15	1	8.5	-	2.34	-	5.1	0	-
	21-end	36.2	-	10	8	9.1	1.7	5.4	-	-0.8	28	1	19	-	1	-	-4.5	28	4	6.4	-	3.52	-	6.8	6	-
	Month	61.0	122	21	16	10.3	4.2	7.2	+0.8	-0.8	28	1	99	130	9	-	-4.5	28	7	7.3	+1.1	2.30	65	5.4	6	31
Kinsealy Co. Dublin	1-10	12.5	-	3	2	10.5	4.8	7.6	-	0.1	4	0	34	-	2	-	-3.3	8	2	-	-	1.03	-	3.5	-	-
	11-20	21.0	-	8	5	11.5	6.0	8.8	-	0.5	15	0	45	-	7	-	-2.7	15	1	-	-	2.34	-	5.0	-	-
	21-end	26.3	-	9	8	9.7	2.1	5.9	-	-1.0	26	2	23	-	2	-	-3.1	28	5	-	-	3.72	-	5.7	-	-
	Month	59.8	127	20	15	10.5	4.2	7.4	-	-1.0	26	2	102	-	10	-	-3.3	8	8	-	-	2.41	-	4.7	-	29
Galway Co. Galway	1-10	7.6	-	3	2	10.2	6.2	8.2	-	1.4	4	0	39	-	1	-	-3.4	4	1	7.9	-	1.06	-	4.4	0	-
	11-20	59.2	-	10	10	10.6	6.7	8.7	-	3.5	20	0	43	-	2	-	-0.5	15	1	8.9	-	1.62	-	5.9	3	-
	21-end	38.6	-	10	10	9.8	3.2	6.5	-	1.0	24	0	27	-	1	-	-1.0	25	2	7.6	-	3.46	-	7.3	8	-
	Month	105.4	151	23	22	10.2	5.3	7.7	+0.4	1.0	24	0	109	-	4	-	-3.4	4	4	8.1	-	2.09	58	5.9	11	27
Killarney (Muckross Hse.) Co. Kerry	1-10	9.0	-	2	2	10.6	5.5	8.0	-	-1.1	4	1	39	-	3	-	-4.5	4	4	-	-	2.38	-	-	-	-
	11-20	43.6	-	10	9	11.8	7.2	9.5	-	1.2	15	0	52	-	7	-	-2.6	15	2	-	-	1.08	-	-	-	-
	21-end	45.9	-	10	10	9.9	3.7	6.8	-	1.3	22	0	29	-	2	-	-0.3	28	2	-	-	2.23	-	-	-	-
	Month	98.5	-	22	21	10.8	5.4	8.1	-	-1.1	4	1	120	-	12	-	-4.5	4	8	-	-	1.91	-	-	-	-

Notes on the tables in January issue

TABLE 1 (CONTINUED)

March 1983

STATION	PERIOD	RAINFALL (MM)				TEMPERATURE(°C)														BRIGHT SUNSHINE		WIND		P.E. (PENMAN) (MM)		
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR						GROUND				SOIL (10cm)				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	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST "GRASS-MIN."	DATE	DAYS WITH GROUND FROST	MEAN DAILY						DIFFERENCE FROM AVERAGE	
Cahirciveen (Valentia Obsy.) Co. Kerry	1-10	14.8	-	3	2	10.8	6.7	8.7	-	0.2	4	0	44	-	3	-	-1.9	4	1	8.7	-	0.65	-	4.1	1	-
	11-20	82.1	-	10	10	11.5	7.2	9.4	-	3.0	15	0	50	-	5	-	1.3	15	0	9.6	-	0.99	-	6.2	5	-
	21-end	27.5	-	10	9	10.1	5.3	7.7	-	3.4	24	0	37	-	1	-	2.1	28	0	8.3	-	2.34	-	8.6	10	-
	Month	124.4	123	23	21	10.8	6.4	8.6	+0.3	0.2	4	0	131	119	9	-	-1.9	4	1	8.9	+1.0	1.36	72	6.4	16	30
Ardfert (Liscahane) Co. Kerry	1-10	7.0	-	2	2	11.4	5.3	8.4	-	-0.2	4	2	42	-	5	-	-3.4	4	2	-	-	2.80	-	-	-	-
	11-20	52.2	-	10	9	11.6	6.6	9.1	-	0.7	15	0	48	-	7	-	-2.6	15	1	-	-	1.78	-	-	-	-
	21-end	42.7	-	10	10	9.6	4.2	6.9	-	1.4	28	0	30	-	1	-	-2.6	28	1	-	-	3.00	-	-	-	-
	Month	101.9	-	22	21	10.9	5.3	8.1	-	-0.2	4	2	120	-	13	-	-3.4	4	4	-	-	2.54	-	-	-	-
Lullymore Co. Kildare	1-10	17.0	-	3	2	9.7	3.8	6.8	-	-1.2	4	2	28	-	1	-	-7.2	4	4	-	-	0.66	-	3.2	-	-
	11-20	37.8	-	9	8	11.3	5.3	8.3	-	-1.2	15	1	41	-	5	-	-7.4	15	1	-	-	1.52	-	5.0	-	-
	21-end	41.0	-	11	9	9.3	0.8	5.0	-	-1.9	28	4	17	-	1	-	-6.5	28	8	-	-	N/A	-	6.0	-	-
	Month	95.8	192	23	19	10.1	3.2	6.7	-	-1.9	28	7	87	-	7	-	-7.4	15	13	-	-	N/A	-	4.7	-	N/A
Kilkenny Co. Kilkenny	1-10	18.5	-	3	2	11.0	4.1	7.6	-	-1.5	8	2	35	-	3	-	-7.4	4	3	7.3	-	1.35	-	2.4	0	-
	11-20	23.6	-	7	5	11.7	6.1	8.9	-	-1.4	15	1	47	-	8	-	-6.5	15	3	8.6	-	1.91	-	4.2	0	-
	21-end	38.0	-	11	9	9.8	3.0	6.4	-	0.0	28	0	27	-	1	-	-3.3	28	4	6.6	-	3.81	-	5.9	7	-
	Month	80.1	138	21	16	10.8	4.4	7.6	+1.0	-1.5	8	3	109	136	12	150	-7.4	4	10	7.5	+1.5	2.40	73	4.2	7	29
Mooncoin (Silverspring) Co. Kilkenny	1-10	16.8	-	3	3	10.7	4.5	7.6	-	0.1	4	0	35	-	3	-	-6.4	4	4	-	-	1.91	-	-	-	-
	11-20	37.8	-	10	9	11.8	5.5	8.6	-	0.0	15	0	44	-	6	-	-5.6	15	3	-	-	1.96	-	-	-	-
	21-end	33.0	-	11	9	10.2	3.5	6.9	-	1.1	28	0	30	-	2	-	-3.1	25	4	-	-	3.83	-	-	-	-
	Month	87.6	112	24	21	10.9	4.5	7.7	-	0.0	15	0	109	-	11	-	-6.4	4	11	-	-	2.61	-	-	-	-
Ballinamore Co. Leitrim	1-10	4.4	-	2	2	10.4	4.3	7.4	-	-1.7	4	1	32	-	2	-	-6.0	4	1	-	-	0.83	-	2.7	-	-
	11-20	78.5	-	10	9	10.8	5.9	8.4	-	-0.5	15	1	42	-	4	-	-5.2	15	2	-	-	1.72	-	3.6	-	-
	21-end	70.8	-	11	11	9.1	1.7	5.4	-	-1.6	22	2	19	-	0	-	-6.2	28	7	-	-	2.71	-	5.2	-	-
	Month	153.7	202	23	22	10.1	3.9	7.0	-	-1.7	4	4	93	-	6	-	-6.2	28	10	-	-	1.78	-	3.8	-	21
Ardee (Boharnamoe) Co. Louth	1-10																									
	11-20																									
	21-end																									
	Month																									

Notes on the tables in January issue

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TABLE 1 (CONTINUED)

March 1983

STATION	PERIOD	RAINFALL (MM)				TEMPERATURE (°C)														BRIGHT SUNSHINE		WIND				
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10cm)				MEAN DAILY (HRS.)	% OF AVERAGE	MEAN SPEED (ms <sup>-1</sup> )	DAYS WITH GALE GUSTS	P.E. (PENMAN) (MM)		
						MEAN MAX.	MEAN MIN.	MEAN DAILY AND 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	
Ballinrobe (Greagh) Co. Mayo	1-10	6.7	-	3	2	11.1	4.1	7.6	-	-1.1	4	1	34	-	3	-	-6.7	4	2	-	-	1.36	-	3.0	-	-
	11-20	53.5	-	10	9	11.6	4.5	8.0	-	-0.2	15	1	40	-	4	-	-4.6	15	4	-	-	1.49	-	4.2	-	-
	21-end	40.8	-	11	10	10.0	2.1	6.1	-	-1.7	28	1	25	-	2	-	-6.1	28	5	-	-	2.75	-	5.0	-	-
	Month	101.0	117	24	21	10.9	3.5	7.2	-	-1.7	28	3	99	-	9	-	-6.7	4	11	-	-	1.89	-	4.1	-	18
Belmullet Co. Mayo	1-10	5.7	-	4	2	10.3	6.7	8.5	-	3.8	3	0	41	-	1	-	1.8	4	0	7.9	-	1.05	-	6.7	2	-
	11-20	42.7	-	10	10	10.6	5.9	8.2	-	0.6	19	0	40	-	2	-	-2.1	19	2	8.9	-	1.09	-	7.4	3	-
	21-end	40.2	-	10	10	9.5	3.5	6.5	-	0.4	21	0	26	-	1	-	-1.7	28	2	7.4	-	2.97	-	8.9	8	-
	Month	88.6	125	24	22	10.1	5.3	7.7	+0.4	0.4	21	0	107	22	4	-	-2.1	19	4	8.0	+1.1	1.75	46	7.7	13	32
Claremorris Co. Mayo	1-10	8.7	-	4	2	10.7	5.4	8.1	-	0.1	4	0	38	-	2	-	-3.6	4	1	7.3	-	0.98	-	5.6	1	-
	11-20	55.6	-	10	10	11.2	5.3	8.3	-	0.6	15	0	41	-	4	-	-5.3	15	3	8.4	-	1.25	-	6.1	2	-
	21-end	43.0	-	10	10	9.2	2.3	5.7	-	-0.5	28	1	21	-	1	-	-3.6	28	4	6.6	-	2.49	-	8.0	8	-
	Month	107.3	147	24	22	10.3	4.3	7.3	+0.8	-0.5	28	1	101	138	7	-	-5.3	15	8	7.4	+1.4	1.60	49	6.6	11	26
Glenamoy Co. Mayo	1-10	10.4	-	4	3	10.4	6.0	8.2	-	0.5	4	0	39	-	2	-	-1.1	4	1	-	-	1.05	-	4.7	-	-
	11-20	59.7	-	10	9	10.7	5.8	8.2	-	0.2	19	0	41	-	3	-	-1.5	19	3	-	-	1.12	-	6.1	-	-
	21-end	68.6	-	10	10	9.5	2.4	5.9	-	-1.2	28	1	23	-	0	-	-2.8	28	2	-	-	2.02	-	6.5	-	-
	Month	138.7	156	24	22	10.2	4.6	7.4	-	-1.2	28	1	103	-	5	-	-2.8	28	6	-	-	1.42	-	5.7	-	21
Dunsany (Grange) Co. Meath	1-10	13.4	-	3	2	9.4	4.0	6.7	-	-1.6	4	1	27	-	1	-	-8.8	4	3	-	-	N/A	-	-	-	-
	11-20	28.0	-	10	9	10.7	5.0	7.8	-	-1.6	15	1	37	-	3	-	-8.3	15	1	-	-	N/A	-	-	-	-
	21-end	34.9	-	10	10	8.8	1.3	5.0	-	-2.8	28	3	17	-	0	-	-9.2	28	5	-	-	N/A	-	-	-	-
	Month	76.3	144	23	21	9.6	3.3	6.5	-	-2.8	28	5	81	-	4	-	-9.2	28	9	-	-	N/A	-	-	-	-
Clones Co. Monaghan	1-10	5.7	-	3	3	10.7	5.3	8.0	-	-0.6	4	1	38	-	2	-	-5.0	4	1	6.9	-	1.08	-	3.2	2	-
	11-20	57.2	-	10	8	10.9	5.4	8.1	-	0.5	15	0	40	-	4	-	-5.3	15	3	8.1	-	1.85	-	3.8	0	-
	21-end	60.6	-	11	10	8.3	1.3	4.8	-	-0.4	21	3	15	-	0	-	-4.6	28	7	6.1	-	2.55	-	5.0	6	-
	Month	123.5	202	24	21	9.9	3.9	6.9	+0.9	-0.6	4	4	93	139	6	-	-5.3	15	11	7.0	+1.4	1.85	59	4.0	8	24
Birr Co Offaly	1-10	8.1	-	3	3	10.9	5.1	8.0	-	-0.4	4	1	38	-	3	-	-5.6	4	2	7.4	-	0.80	-	2.4	0	-
	11-20	38.2	-	10	9	11.2	6.0	8.6	-	0.4	15	0	44	-	5	-	-4.0	15	1	8.6	-	1.37	-	4.0	0	-
	21-end	44.6	-	11	10	9.4	2.7	6.0	-	-0.7	28	1	23	-	1	-	-5.0	28	4	6.9	-	2.81	-	5.2	5	-
	Month	90.9	175	24	22	10.4	4.5	7.5	+0.8	-0.7	28	2	105	131	9	-	-5.6	4	7	7.6	+1.2	1.70	48	3.9	5	22

Notes on the tables in January issue

TABLE 1 (CONTINUED)

March 1983

STATION	PERIOD	RAINFALL (MM)				TEMPERATURE (°C)														BRIGHT SUNSHINE		WIND		P. E. (PENMAN) (MM)												
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10cm)				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	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST "GRASS-MIN."	DATE	DAYS WITH GROUND FROST	MEAN DAILY						DIFFERENCE FROM AVERAGE											
Dundrum (Knockavilla) Co. Tipperary	1-10	13.5	-	2	2	10.6	4.1	7.4	-	-3.5	8	2	35	-	3	-	-6.5	8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	34.1	-	10	9	11.0	5.9	8.4	-	1.5	15	0	42	-	5	-	-3.1	15	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21-end	51.0	-	11	10	9.1	2.7	5.9	-	0.6	28	0	21	-	0	-	-4.0	28	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Month	98.6	-	23	21	10.2	4.2	7.2	-	-3.5	8	2	98	-	9	-	-6.5	8	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dungarvan (Ballygagin) Co. Waterford	1-10	25.8	-	3	2	10.9	3.5	7.2	-	-1.9	4	1	32	-	3	-	-3.0	5	4	-	-	1.49	-	1.9	-	-	-	-	-	-	-	-	-	-	-	
	11-20	47.3	-	10	8	11.6	6.3	8.9	-	-0.3	15	1	47	-	7	-	-1.5	15	1	-	-	2.04	-	3.3	-	-	-	-	-	-	-	-	-	-	-	
	21-end	26.0	-	11	8	10.3	3.3	6.8	-	-0.9	22	1	30	-	2	-	-1.0	22	1	-	-	2.95	-	3.7	-	-	-	-	-	-	-	-	-	-	-	
	Month	99.1	102	24	18	10.9	4.4	7.6	-	-1.9	4	3	109	-	12	-	-3.0	5	6	-	-	2.19	-	2.9	-	-	-	-	-	-	-	-	-	-	22	
Mullingar Co. Westmeath	1-10	10.7	-	3	3	10.2	4.1	7.2	-	-2.2	4	2	32	-	1	-	-5.8	4	2	6.6	-	0.86	-	3.9	0	-	-	-	-	-	-	-	-	-	-	
	11-20	43.8	-	9	9	10.8	5.3	8.0	-	-1.7	15	1	39	-	3	-	-4.7	15	1	7.9	-	1.95	-	5.4	0	-	-	-	-	-	-	-	-	-	-	
	21-end	43.8	-	11	10	9.0	1.9	5.5	-	-1.1	28	1	20	-	1	-	-3.5	28	6	6.1	-	3.42	-	6.0	6	-	-	-	-	-	-	-	-	-	-	
	Month	98.3	169	23	22	10.0	3.7	6.8	+0.8	-2.2	4	4	91	130	5	-	-5.8	4	9	6.8	+1.0	2.12	60	5.1	6	6	-	-	-	-	-	-	-	24		
J.F.K. Park Co. Wexford	1-10	23.5	-	3	3	10.2	4.9	7.5	-	0.9	4	0	33	-	2	-	-5.2	4	4	-	-	1.38	-	N/A	-	-	-	-	-	-	-	-	-	-	-	
	11-20	27.2	-	10	7	11.0	5.8	8.4	-	0.9	15	0	41	-	5	-	-3.8	15	3	-	-	1.96	-	N/A	-	-	-	-	-	-	-	-	-	-	-	
	21-end	27.1	-	11	9	9.9	3.0	6.5	-	0.8	28	0	27	-	1	-	-4.5	25	7	-	-	3.38	-	N/A	-	-	-	-	-	-	-	-	-	-	-	
	Month	77.8	97	24	19	10.4	4.5	7.4	-	0.8	28	0	101	-	8	-	-5.2	4	14	-	-	2.28	-	N/A	-	-	-	-	-	-	-	-	-	-	-	
Clonroche Co. Wexford	1-10	25.2	-	3	2	9.9	4.0	6.9	-	-1.0	4	1	29	-	1	-	-7.1	8	3	-	-	1.15	-	1.7	-	-	-	-	-	-	-	-	-	-		
	11-20	36.3	-	10	9	11.2	5.6	8.4	-	1.1	15	0	42	-	5	-	-4.9	15	3	-	-	1.20	-	2.6	-	-	-	-	-	-	-	-	-	-		
	21-end	37.3	-	11	9	9.4	2.6	6.0	-	0.4	28	0	23	-	1	-	-4.4	28	5	-	-	3.30	-	3.5	-	-	-	-	-	-	-	-	-	-		
	Month	98.8	119	24	20	10.1	4.0	7.1	-	-1.0	4	1	93	-	8	-	-7.1	8	11	-	-	1.93	-	2.6	-	-	-	-	-	-	-	-	-	20		
Johnstown Castle Co. Wexford	1-10	23.2	-	3	2	9.8	4.8	7.3	-	0.9	4	0	30	-	1	-	-4.0	8	4	-	-	1.67	-	3.2	-	-	-	-	-	-	-	-	-	-		
	11-20	23.5	-	9	8	10.2	5.9	8.0	-	0.4	15	0	38	-	2	-	-5.0	15	2	-	-	2.11	-	5.1	-	-	-	-	-	-	-	-	-	-		
	21-end	26.5	-	11	6	9.4	3.1	6.3	-	1.1	28	0	24	-	1	-	-2.3	25	6	-	-	3.56	-	5.1	-	-	-	-	-	-	-	-	-	-		
	Month	73.2	95	23	16	9.8	4.5	7.2	-	0.4	15	0	92	-	4	-	-5.0	15	12	-	-	2.48	-	4.4	-	-	-	-	-	-	-	-	-	22		
Rosslare Co. Wexford	1-10	13.9	-	3	2	9.9	5.5	7.7	-	2.5	4	0	34	-	1	-	-1.6	8	2	7.3	-	1.53	-	4.1	0	-	-	-	-	-	-	-	-	-		
	11-20	15.1	-	8	7	10.2	6.4	8.3	-	1.4	15	0	40	-	2	-	-2.8	15	1	8.5	-	2.05	-	5.8	2	-	-	-	-	-	-	-	-	-		
	21-end	35.2	-	10	8	9.9	3.8	6.8	-	1.8	25	0	30	-	1	-	-1.0	25	3	7.0	-	3.30	-	6.7	8	-	-	-	-	-	-	-	-	-		
	Month	64.2	102	21	17	10.0	5.2	7.6	+0.5	1.4	15	0	103	120	4	-	-2.8	15	6	7.6	+0.5	2.33	57	5.5	10	31	-	-	-	-	-	-	-			

Notes on the tables in January issue

TABLE 2 GLOBAL SOLAR RADIATION

STATION	PERIOD	AMOUNT
		Joule/cm <sup>2</sup>
Malin Head Co. Donegal	1-10	4670
	11-20	5676
	21-end	9578
	Month	19924
Dublin Airport Co. Dublin	1-10	4939
	11-20	6435
	21-end	10236
	Month	21610
Gahirciveen (Valentia Obs.) Co. Kerry	1-10	5192
	11-20	5232
	21-end	9745
	Month	20169
Kilkenny Co. Kilkenny	1-10	5455
	11-20	6016
	21-end	11062
	Month	22533
Belmullet Co. Mayo	1-10	5226
	11-20	6076
	21-end	10825
	Month	22127
Clones Co. Monaghan	1-10	5149
	11-20	5634
	21-end	9275
	Month	20058
Birr Co. Offaly	1-10	5124
	11-20	5489
	21-end	9759
	Month	20372

TABLE 3 POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE March 1983

STATION	PERIOD	SOIL MOISTURE (mm)			
		P.E. (mm)	Deficit	Accumulated Deficit	Surplus
Carlow (Oak Park) Co. Carlow	1-10	3.6	-	0	7
	11-20	5.2	-	0	21
	21-end	8.5	-	0	22
	Month	17.3	-	-	-
Kinsealy Co. Dublin	1-10	15.1	0	0	-
	11-20	10.4	-	0	10
	21-end	12.1	-	0	13
	Month	37.6	-	-	-
Gahirciveen (Valentia Obs.) Co. Kerry	1-10	6.4	-	0	9
	11-20	-0.1	-	0	70
	21-end	13.1	-	0	28
	Month	19.4	-	-	-
Ballinamore Co. Leitrim	1-10	5.7	1	1	-
	11-20	9.7	-	0	74
	21-end	6.6	-	0	59
	Month	22.0	-	-	-
Glenamoy Co. Mayo	1-10	7.5	-	0	3
	11-20	6.9	-	0	53
	21-end	5.7	-	0	63
	Month	20.1	-	-	-
Johnstown Castle Co. Wexford	1-10	0.1	-	0	23
	11-20	13.5	-	0	10
	21-end	10.9	-	0	16
	Month	24.5	-	-	-

# MONTHLY AGROMETEOROLOGICAL BULLETIN

