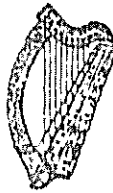


METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

JULY 1981

The Weather of July

The weather was rather changeable from the 1st to 9th. While there were good sunny spells on most days there were also frequent showers or periods of rain. In the east and southeast however, the period after the 6th was mainly dry. Amounts of rain everywhere during the second decade were less than in the first and this period was cloudy, apart from the 11th, which was sunny. A short spell of humid weather, accompanied by heavy rain in many areas, occurred on the 12th and a more significant spell occurred between the 18th and 21st.

A northerly airflow with occasional showers set in on the 22nd, lasting to the 24th. A short spell of weather favourable to potato blight, with spells of rain, occurred on 25th. The remainder of the month was dominated by a ridge of high pressure. This final spell was generally dry and sunny, especially in the south and southwest, and daily maximum temperatures were above average.

Monthly Amounts of Precipitation were below normal everywhere except in parts of the west and northwest. Amounts ranged from 11% of normal at Glenamoy to 35% of normal at Johnstown Castle. The number of rain days was near average everywhere but the number of wet days was below or well below average in all other areas. The last decade was driest although in some southern areas the second decade was equally dry. There was sufficient soil moisture for uninhibited growth in western, southern and northern areas but in the south-midlands, east and southeast regions growth was restricted due to soil moisture deficits ranging from some 50 to 70 mm at the end of the month.

Mean Monthly Air Temperature was below normal everywhere, ranging from 0.2°C below normal in the east and southeast to 1.1°C below normal in the extreme west. Mean soil temperatures (100 mm) also ranged from normal at Malin Head to 1.3°C below normal at Mullingar.

Mean Duration of Bright Sunshine was well below normal everywhere except in the south where it was normal. Values varied from 100% of normal at Roches Point to 63% of normal at Kilkenny. The first decade was sunniest in most areas, except in southern regions, where the third decade proved to be the sunniest; the dullest decade everywhere was the second.

Gale Gusts or strong winds were absent during the month.

Summary It was a relatively dry month, except in parts of the west and northwest. Mean air temperature was below normal everywhere and well below normal in parts of the west. For the third consecutive month it was very dull over most of the country.

The data contained in this Bulletin are provisional. Some of the material in Table 1 will be published in its final form later in the Monthly Weather Report; final values of Solar Radiation at stations; marked "s" in Table 2 will be published in the Annual Summary of Solar Radiation.

TABLE 1

July, 1981

STATION	PERIOD	RAINFALL (MM.)				TEMPERATURE °C												BRIGHT SUNSHINE		WIND			
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR						GROUND			SOIL (10 CM)			MEAN DAILY (HRS.)	% OF AVERAGE	MEAN SPEED (ms ⁻¹)	DAYS WITH GALE GUSTS		
						MEAN MAX.	MEAN MIN.	MEAN DAILY	AND DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST ABOVE 4.4°C	DEGREE DAYS ABOVE 10.0°C	LOWEST "GRASS-MIN."	DATE	DAYS WITH GROUND FROST	MEAN DAILY					DIFFERENCE FROM AVERAGE	
Carlow (Oak Park) Co. Carlow	1-10	11.6	/	4	4	18.0	10.7	14.4	/	6.2	10	0	100	44	2.1	10	0	/	/	4.16	/	/	/
	11-20	21.0	/	5	5	17.8	11.7	14.8	/	8.6	18	0	104	48	6.2	18	0	/	/	1.99	/	/	/
	21-end	7.7	/	5	4	19.1	11.2	15.2	/	8.4	30	0	118	57	4.3	30	0	/	/	3.69	/	/	/
	Month	40.3	/	14	13	18.3	11.2	14.8	/	6.2	10	0	322	149	2.1	10	0	/	/	3.29	/	/	/
Shannon Airport Co. Clare	1-10	18.1	-	7	4	18.3	11.8	15.0	-	8.4	10	0	106	51	5.9	9	0	16.7	-	5.34	-	6	1
	11-20	8.1	-	9	4	17.0	12.8	14.9	-	10.7	18	0	105	49	7.7	18	0	16.2	-	1.94	-	6	2
	21-end	7.9	-	3	3	18.6	12.1	15.4	-	9.0	30	0	120	59	7.6	30	0	17.1	-	4.33	-	4	2
	Month	34.1	49	19	11	18.0	12.2	15.1	-0.4	8.4	10	0	331	159	5.9	9	0	16.7	-0.7	3.88	84	5	5
Fermoy (Moore Park) Co. Cork	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Mallow Co. Cork	1-10	20.4	-	6	3	18.6	8.2	13.4	/	3.7	10	0	90	34	1.3	10	0	/	/	3.32	/	/	/
	11-20	3.8	-	5	1	18.4	10.8	14.6	/	7.5	18	0	102	46	5.2	18	0	/	/	2.43	/	/	/
	21-end	8.5	-	4	2	19.8	9.4	14.6	/	5.8	30	0	112	51	4.9	30	0	/	/	3.54	/	/	/
	Month	32.7	51	15	6	19.0	9.5	14.3	/	3.7	10	0	304	131	1.3	10	0	/	/	3.11	/	/	/
Roche's Point Co. Cork	1-10	17.3	-	8	5	16.8	11.4	14.1	-	9.2	10	0	97	41	1.1	10	0	15.6	-	4.99	-	6	2
	11-20	3.1	-	5	1	18.4	12.3	15.4	-	10.4	17	0	110	54	8.7	17	0	16.5	-	4.60	-	5	2
	21-end	4.0	-	4	2	18.5	11.7	15.1	-	9.8	29	0	118	56	7.4	30	0	16.9	-	7.15	-	4	2
	Month	24.4	36	17	8	17.9	11.8	14.9	-0.3	9.2	10	0	325	151	1.1	10	0	16.4	-0.7	5.63	100	5	6
Glencolumbkille Co. Donegal	1-10	49.0	/	10	7	16.2	10.0	13.1	/	5.5	03	0	88	32	/	/	/	/	/	5.78	/	3	/
	11-20	39.4	/	9	7	14.9	11.1	12.5	/	10.1	17	0	86	30	/	/	/	/	/	0.83	/	4	/
	21-end	30.9	/	8	6	15.2	11.2	13.2	/	10.1	24	0	97	36	NA	/	/	/	/	1.76	/	3	/
	Month	119.3	/	27	20	15.4	10.8	13.1	/	5.5	03	0	271	98	/	/	/	/	/	2.76	/	3	/
Glenties Co. Donegal	1-10	47.9	-	9	7	16.8	9.3	13.1	/	2.5	03	0	87	31	0.0	03	0	/	/	4.25	/	/	/
	11-20	50.1	-	8	8	15.2	10.3	12.8	/	7.0	12	0	84	28	3.0	12	0	/	/	0.80	/	/	/
	21-end	29.2	-	8	6	16.1	11.1	13.6	/	9.7	22	0	101	40	7.5	23	0	/	/	2.81	/	/	/
	Month	127.2	111	25	21	16.0	10.3	13.2	/	2.5	03	0	272	99	0.0	03	0	/	/	2.63	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

July 1981

STATION	PERIOD	RAINFALL (MM.)				TEMPERATURE °C														BRIGHT SUNSHINE		WIND	
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10 CM)				MEAN DAILY (HRS.)	% OF AVERAGE	MEAN SPEED (ms ⁻¹)	DAYS WITH GALE GUSTS
						MEAN MAX.	MEAN MIN.	MEAN DAILY	AND DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.4°C	DEGREE DAYS ABOVE 10.0°C	LOWEST "GRASS-MIN."	DATE	DAYS WITH GROUND FROST	MEAN DAILY	DIFFERENCE FROM AVERAGE				
Malin Head e Co. Donegal	1-10	31.5	-	7	5	16.3	10.4	13.3	-	7.0	10	0	89	33	4.4	10	0	15.7	-	4.96	-	7	6
	11-20	29.4	-	8	5	15.3	11.6	13.5	-	10.5	16	0	91	35	7.8	12	0	15.7	-	2.42	-	6	2
	21-end	23.6	-	6	3	15.1	11.4	13.2	-	9.6	24	0	97	36	7.7	30	0	15.3	-	2.20	-	7	3
	Month	84.5	83	21	13	15.5	11.1	13.3	-0.7	7.0	10	0	277	104	4.4	10	0	15.6	0.0	3.16	69	7	1
Casement Aerodrome Co. Dublin	1-10	5.8	-	4	2	19.0	9.9	14.4	-	5.7	10	0	100	45	1.2	10	0	16.5	-	5.22	-	6	5
	11-20	17.4	-	7	3	17.6	10.8	14.2	-	7.0	18	0	98	42	3.7	18	0	15.5	-	1.71	-	5	2
	21-end	8.4	-	4	3	19.0	11.1	15.0	-	8.0	30	0	117	55	4.0	30	0	16.2	-	3.17	-	4	0
	Month	31.6	59	15	8	18.5	10.6	14.6	-0.6	5.7	10	0	315	142	1.2	10	0	16.1	-	3.36	69	5	7
Dublin Airport e Co. Dublin	1-10	14.0	-	5	2	18.7	11.1	14.9	-	8.3	10	0	105	49	5.2	10	0	16.9	-	5.65	-	5	2
	11-20	13.2	-	7	4	17.7	11.4	14.6	-	8.4	18	0	102	46	5.6	18	0	16.4	-	2.26	-	5	0
	21-end	8.3	-	4	3	18.7	11.8	15.2	-	9.3	24	0	119	57	5.0	30	0	17.2	-	3.70	-	4	0
	Month	35.5	58	16	9	18.3	11.4	14.9	-0.2	8.3	10	0	326	152	5.0	30	0	16.9	-0.5	3.86	75	5	2
Kinsealy Co. Dublin	1-10	20.8	/	4	4	18.7	10.9	14.8	/	7.6	10	0	104	48	2.0	10	0	/	/	4.73	/	4	/
	11-20	18.0	/	7	4	17.9	11.4	14.7	/	8.1	18	0	103	47	5.9	13	0	/	/	2.26	/	4	/
	21-end	6.9	/	3	3	18.2	10.8	14.5	/	5.9	30	0	111	50	1.2	30	0	/	/	3.55	/	3	/
	Month	45.7	79	14	11	18.2	11.0	14.6	/	5.9	30	0	318	145	1.2	30	0	/	/	3.51	/	4	/
Galway Co. Galway	1-10	31.3	-	8	6	17.0	11.1	14.1	-	8.5	9	0	97	41	4.9	10	0	16.7	-	6.73	-	6	3
	11-20	18.7	-	9	5	16.5	12.1	14.3	-	10.0	17	0	99	43	8.5	17	0	16.1	-	2.18	-	5	1
	21-end	11.0	-	4	4	17.1	11.4	14.3	-	9.0	30	0	109	47	8.0	30	0	16.6	-	4.18	-	5	1
	Month	61.0	69	21	15	16.9	11.5	14.2	-1.0	8.5	9	0	304	131	4.9	10	0	16.5	-	4.36	94	5	5
Killarney (Muokross Mee) Co. Kerry	1-10	28.5	/	7	3	16.9	11.3	14.1	/	7.8	09	0	97	41	4.0	09	0	/	/	3.87	/	/	/
	11-20	8.0	/	4	2	17.7	12.6	15.2	/	10.5	17	0	108	52	6.5	14	0	/	/	2.50	/	/	/
	21-end	9.9	/	5	2	18.7	11.8	15.3	/	10.0	30	0	119	58	5.0	30	0	/	/	3.96	/	/	/
	Month	46.4	/	16	7	17.8	11.9	14.9	/	7.8	09	0	324	151	4.0	09	0	/	/	3.46	/	/	/
Cahirciveon e (Valentia Obay.) Co. Kerry	1-10	32.5	-	9	7	16.5	11.3	13.9	-	9.5	2	0	95	39	7.2	2	0	16.7	-	4.95	-	6	4
	11-20	20.1	-	7	6	16.3	12.4	14.3	-	10.8	17	0	99	43	9.4	17	0	16.3	-	1.81	-	5	0
	21-end	10.5	-	5	3	17.4	11.3	14.3	-	8.1	29	0	109	47	5.0	29	0	17.1	-	5.32	-	4	2
	Month	63.1	67	21	16	16.7	11.7	14.2	-0.8	8.1	29	0	303	129	5.0	29	0	16.7	-0.4	4.07	87	5	6

Notes on the tables in January issue

TABLE 1 (Continued)

July 1981

STATION	PERIOD	RAINFALL (MM.)				TEMPERATURE °C														BRIGHT SUNSHINE		WIND													
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	MEAN MAX.	MEAN MIN.	MEAN DAILY	AIR						GROUND			SOIL (10 CM)		MEAN DAILY (HRS.)	% OF AVERAGE	MEAN SPEED (ms ⁻¹)	DAYS WITH GALE GUSTS												
									DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.4°C	DEGREE DAYS ABOVE 10.0°C	LOWEST "GRASS-MIN."	DATE	DAYS WITH GROUND FROST	MEAN DAILY	DIFFERENCE FROM AVERAGE					MEAN DAILY (HRS.)	% OF AVERAGE										
																										NOT AVAILABLE									
Tralee Lisdara Co. Kerry	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Bullymore Co. Kildare	1-10	20.7	/	9	4	18.0	9.6	13.8	/	5.0	10	0	94	38	0.5	10	0	/	/	/	/	3.67	/	7	/	/	/	/	/	/	/	/	/	/	
	11-20	21.6	/	9	5	16.9	10.7	13.8	/	6.1	18	0	94	38	0.4	18	0	/	/	/	/	1.64	/	7	/	/	/	/	/	/	/	/	/	/	
	21-end	6.5	/	3	2	18.6	10.5	14.6	/	5.1	30	0	113	51	1.6	30	0	/	/	/	/	3.07	/	6	/	/	/	/	/	/	/	/	/	/	
	Month	48.8	66	21	11	17.9	10.3	14.1	/	5.0	30	0	301	127	1.6	30	0	/	/	/	/	3.07	/	6	/	/	/	/	/	/	/	/	/	/	/
Kilkenny Co. Kilkenny	1-10	8.9	-	4	4	18.4	10.8	14.6	-	4.5	10	0	102	46	0.6	10	0	/	/	/	/	3.86	-	4	0	/	/	/	/	/	/	/	/	/	
	11-20	23.0	-	6	5	18.4	12.1	15.3	-	10.0	17	0	109	53	8.3	17	0	17.6	-	/	/	3.86	-	4	0	/	/	/	/	/	/	/	/	/	
	21-end	4.7	-	5	2	19.7	11.4	15.5	-	7.1	30	0	123	61	3.6	30	0	17.4	-	/	/	2.13	-	4	1	/	/	/	/	/	/	/	/	/	
	Month	36.6	58	15	11	18.9	11.4	15.1	-0.2	4.5	30	0	334	160	3.6	30	0	17.9	-	/	/	3.32	-	3	1	/	/	/	/	/	/	/	/	/	
Mooncoin (Silverspring) Co. Kilkenny	1-10	9.6	/	5	3	18.0	10.7	14.4	/	4.9	10	0	100	44	-1.4	10	1	/	/	/	/	3.92	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	11.3	/	6	3	18.8	12.5	15.7	/	9.8	17	0	113	57	3.5	17	0	/	/	/	/	3.32	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	2.4	/	5	0	20.1	11.2	15.7	/	6.7	30	0	124	62	0.6	29	0	/	/	/	/	4.33	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	23.3	/	16	6	19.0	11.4	15.2	/	4.9	30	0	337	119	-1.4	30	1	/	/	/	/	4.33	/	/	/	/	/	/	/	/	/	/	/	/	/
Ballinamore Co. Leitrim	1-10	22.1	/	8	6	17.6	9.5	13.6	/	4.8	10	0	90	34	4.3	10	0	/	/	/	/	3.98	/	3	/	/	/	/	/	/	/	/	/	/	/
	11-20	23.7	/	9	5	16.4	10.8	13.6	/	8.8	18	0	92	36	6.9	13	0	/	/	/	/	1.89	/	3	/	/	/	/	/	/	/	/	/	/	/
	21-end	20.3	/	5	3	18.0	10.9	14.5	/	8.8	30	0	111	49	6.0	30	0	/	/	/	/	3.93	/	3	/	/	/	/	/	/	/	/	/	/	/
	Month	66.1	72	22	14	17.3	10.4	13.9	/	4.8	30	0	293	119	4.3	30	0	/	/	/	/	3.29	/	3	/	/	/	/	/	/	/	/	/	/	/
Ardee (Boharnamoe) Co. Louth	1-10	10.5	/	5	4	18.8	9.6	14.7	/	6.1	10	0	97	41	1.0	10	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	15.9	/	7	5	17.5	10.7	14.1	/	6.9	18	0	97	41	5.6	18	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	8.8	/	4	3	18.9	10.6	14.8	/	5.2	30	0	114	53	2.1	30	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	35.2	/	16	12	18.4	10.3	14.4	/	5.2	30	0	308	135	1.0	30	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Ballinrobe (Croagh) Co. Mayo	1-10	41.9	/	9	7	17.3	8.8	13.1	/	4.4	03	0	87	31	1.2	03	0	/	/	/	/	5.45	/	4	/	/	/	/	/	/	/	/	/	/	/
	11-20	28.9	/	8	7	17.0	10.8	13.9	/	8.7	17	0	95	39	8.2	17	0	/	/	/	/	2.35	/	3	/	/	/	/	/	/	/	/	/	/	/
	21-end	13.9	/	6	6	17.9	9.9	13.9	/	6.9	31	0	105	43	2.7	31	0	/	/	/	/	3.45	/	2	/	/	/	/	/	/	/	/	/	/	/
	Month	84.7	95	23	20	17.4	9.8	13.6	/	4.4	03	0	287	113	1.2	03	0	/	/	/	/	3.74	/	3	/	/	/	/	/	/	/	/	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

July 1981

STATION	PERIOD	RAINFALL (MM.)				TEMPERATURE °C												BRIGHT SUNSHINE		WIND			
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR						GROUND			SOIL (10 CM)		MEAN DAILY (HRS.)	% OF AVERAGE	MEAN SPEED (ms-1)	DAYS WITH GALE GUSTS			
						MEAN MAX.	MEAN MIN.	MEAN DAILY	AND DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.4°C	DEGREE DAYS ABOVE 10.0°C	LOWEST "GRASS-MIN."	DATE					DAYS WITH GROUND FROST	MEAN DAILY	DIFFERENCE FROM AVERAGE
Belmullet e Co. Mayo	1-10	22.3	-	10	6	15.9	10.3	13.1	-	5.1	3	0	87	31	1.7	3	0	16.0	-	5.74	-	8	5
	11-20	29.3	-	10	6	15.4	11.4	13.4	-	9.9	17	0	90	34	9.2	17	0	15.7	-	2.00	-	6	1
	21-end	19.6	-	7	6	15.6	11.4	13.5	-	10.2	22	0	100	38	9.1	22	0	15.5	-	2.21	-	6	1
	Month	71.2	91	27	18	15.6	11.0	13.3	-1.1	5.1	3	0	277	103	1.7	3	0	15.7	-0.7	3.28	69	7	7
Claremorris e Co. Mayo	1-10	48.0	-	7	6	17.3	9.4	13.3	-	4.7	3	0	90	34	2.1	3	0	15.1	-	4.33	-	5	2
	11-20	27.6	-	8	5	16.5	11.7	14.1	-	9.3	17	0	97	41	7.9	18	0	15.3	-	1.27	-	5	2
	21-end	18.6	-	6	5	17.6	10.4	14.0	-	7.5	30	0	106	44	3.3	30	0	15.2	-	3.16	-	4	1
	Month	94.2	115	21	16	17.2	10.5	13.8	-0.6	4.7	3	0	293	119	2.1	3	0	15.2	-0.9	2.93	72	5	5
Glenamoy Co. Mayo	1-10	42.4	/	10	9	17.0	9.6	13.3	/	4.6	03	0	89	33	3.7	03	0	/	/	5.36	/	/	/
	11-20	41.5	/	10	9	15.5	11.2	13.4	/	9.7	17	0	90	34	8.4	17	0	/	/	1.48	/	NA	/
	21-end	27.0	/	7	5	15.9	11.2	13.6	/	9.7	22	0	101	39	8.5	22	0	/	/	2.53	/	NA	/
	Month	110.9	117	27	23	16.1	10.7	13.4	/	4.6	03	0	280	106	3.7	03	0	/	/	3.10	/	NA	/
Dunsany (Grange) Co. Meath	1-10	21.0	-	8	5	17.6	9.6	13.6	/	6.0	10	0	93	37	1.0	10	0	/	/	4.77	/	/	/
	11-20	18.2	-	9	3	16.6	10.8	13.7	/	6.0	18	0	93	37	6.0	18	0	/	/	1.59	/	NA	/
	21-end	11.8	-	4	2	18.0	10.5	14.3	/	5.6	30	0	108	47	5.6	30	0	/	/	3.67	/	NA	/
	Month	51.0	72	21	10	17.4	10.3	13.9	/	5.6	30	0	294	121	1.0	10	0	/	/	3.35	/	NA	/
Clones e Co. Monaghan	1-10	16.8	-	7	4	17.7	10.1	13.9	-	6.0	10	0	95	39	1.3	10	0	15.5	-	4.33	-	4	1
	11-20	25.0	-	9	5	16.6	10.8	13.7	-	9.0	17	0	93	37	5.7	18	0	14.8	-	1.89	-	4	2
	21-end	14.8	-	4	3	17.8	11.2	14.5	-	9.2	24	0	111	50	7.2	31	0	15.9	-	3.89	-	4	2
	Month	56.6	71	20	12	17.4	10.7	14.1	-0.3	6.0	10	0	299	126	1.3	10	0	15.5	-1.1	3.39	87	4	5
Birr e Co. Offaly	1-10	18.8	-	7	4	17.8	10.5	14.1	-	6.3	10	0	97	41	1.5	10	0	16.2	-	4.35	-	4	1
	11-20	29.0	-	8	6	17.1	11.8	14.4	-	9.3	17	0	100	44	6.6	17	0	15.9	-	1.37	-	4	0
	21-end	8.7	-	4	1	18.2	11.1	14.7	-	8.4	30	0	113	51	5.6	30	0	16.6	-	2.88	-	3	0
	Month	56.5	76	19	11	17.7	11.1	14.4	-0.7	6.3	10	0	310	136	1.5	10	0	16.2	-1.1	2.87	63	4	1
Thurles Co. Tipperary	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Notes on the tables in January issue.

TABLE 1 (Continued)

July 1981

STATION	PERIOD	RAINFALL (MM.)				TEMPERATURE °C														BRIGHT SUNSHINE		WIND	
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR						GROUND			SOIL (10 CM)		MEAN DAILY (HRS.)	% OF AVERAGE	MEAN SPEED (ms ⁻¹)	DAYS WITH GALE GUSTS			
						MEAN MAX.	MEAN MIN.	MEAN DAILY	AHD	DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.0°C	DEGREE DAYS ABOVE 10.0°C	LOWEST "GRASS-MIN."					DATE	DAYS WITH GROUND FROST	MEAN DAILY
Dungarvan (Ballygagin) Co. Waterford	1-10	10.1	/	5	3	18.9	11.6	15.3	/	5.7	10	0	109	52	2.4	10	0	/	/	4.87	/	/	/
	11-20	8.5	/	5	3	19.5	13.3	16.4	/	11.2	18	0	120	64	7.0	17	0	/	/	3.67	/	NA	/
	21-end	5.5	/	3	3	20.0	11.5	15.8	/	7.5	31	0	126	64	4.1	30	0	/	/	4.95	/	/	/
	Month	24.1	36	13	9	19.5	12.1	15.8	/	5.7	10	0	355	180	2.4	10	0	/	/	4.51	/	/	/
Mullingar Co. Westmeath	1-10	23.6	-	6	6	17.3	9.6	13.4	-	5.3	10	0	90	34	1.8	10	0	15.0	-	4.94	-	5	2
	11-20	19.4	-	7	4	16.5	11.1	13.8	-	8.3	18	0	94	38	6.5	18	0	15.1	-	2.25	-	4	2
	21-end	12.2	-	4	4	18.1	10.9	14.5	-	8.1	30	0	111	49	7.6	24	0	15.9	-	4.30	-	3	1
	Month	55.2	67	17	14	17.3	10.5	13.9	-0.3	5.3	10	0	295	121	1.8	10	0	15.4	-1.3	3.85	86	4	5
Campile (Ballysop) Co. Wexford	1-10	4.2	/	4	2	17.5	10.6	14.1	/	6.5	10	0	99	43	1.4	10	0	/	/	4.51	/	/	/
	11-20	12.1	/	4	3	18.7	11.9	15.3	/	9.4	17	0	109	53	5.6	17	0	/	/	3.33	/	NA	/
	21-end	8.1	/	3	3	19.1	11.3	15.2	/	8.6	24	0	119	57	3.5	29	0	/	/	4.81	/	/	/
	Month	24.4	36	11	8	18.5	11.3	14.9	/	6.5	10	0	327	153	1.4	10	0	/	/	4.24	/	/	/
Clonroche Co. Wexford	1-10	9.7	/	6	5	17.6	10.4	14.0	/	6.6	10	0	96	40	-0.2	04	1	/	/	4.25	/	3	/
	11-20	17.7	/	6	5	18.3	11.6	15.0	/	9.1	17	0	104	48	6.0	17	0	/	/	3.07	/	3	/
	21-end	5.9	/	6	2	19.1	11.1	15.1	/	8.5	29	0	118	56	2.1	30	0	/	/	4.85	/	2	/
	Month	33.3	46	18	12	18.4	11.0	14.7	/	6.6	10	0	318	144	-0.2	04	1	/	/	4.08	/	3	/
Johnstown Castle Co. Wexford	1-10	11.7	-	6	3	17.1	11.2	14.2	/	8.1	03	0	98	42	0.1	03	0	/	/	4.96	/	5	/
	11-20	11.1	-	5	4	18.7	11.9	15.3	/	8.5	17	0	109	53	3.3	17	0	/	/	3.65	/	4	/
	21-end	2.3	-	4	1	18.2	11.6	14.9	/	9.1	24	0	116	54	4.5	29	0	/	/	5.28	/	4	/
	Month	25.1	35	15	8	18.0	11.6	14.8	/	8.1	03	0	323	149	0.1	03	0	/	/	4.65	/	4	/
Rosslare Co. Wexford	1-10	6.3	-	4	2	17.3	11.6	14.5	-	9.0	3	0	101	45	4.9	10	0	-17.5	-	6.24	-	6	2
	11-20	12.0	-	5	4	18.5	12.4	15.4	-	9.5	17	0	110	54	6.7	17	0	17.4	-	4.25	-	4	2
	21-end	5.1	-	5	1	17.8	12.6	15.2	-	10.6	24	0	119	57	7.2	29	0	17.7	-	5.53	-	5	2
	Month	23.4	43	14	7	17.9	12.2	15.0	-0.2	9.0	3	0	330	156	4.9	10	0	17.6	-0.6	5.35	83	5	6

Notes on the tables in January issue

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

STATION	PERIOD	SOLAR RADIATION	P.E. (mm)	SOIL MOISTURE (mm)		
		Amount Joule/cm ²	Amount	Deficit	Accumulated Deficit	Surplus
Carlow (Oak Park) Co. Carlow	1-10		22	10	44	—
	11-20		18	—	38	6
	21-end	—	23	13	51	—
	Month		63	—	—	—
Kinsealy* Co. Dublin	1-10	15807	30	10	39	—
	11-20	12195	26	08	47	—
	21-end	14873	24	17	64	—
	Month	42875	80	—	—	—
Cahirciveen e (Valentia Obsy.) Co. Kerry	1-10	18860	26	—	21	5
	11-20	13514	11	—	13	8
	21-end	19294	18	5	18	—
	Month	51668	55	—	—	—
Kilkenny e Co. Kilkenny	1-10	17110				
	11-20	15585				
	21-end	17472	—	—	—	—
	Month	50167				
Ballinamore Co. Leitrim	1-10		21	—	22	2
	11-20		14	—	3	19
	21-end	—	12	1	4	—
	Month		47	—	—	—
Glenamoy/ Co. Mayo	1-10		29	—	18	13
	11-20		9	—	0	28
	21-end	—	22	—	0	5
	Month		60	—	—	—
Birr e Co. Offaly	1-10	15588				
	11-20	11509				
	21-end	14167	—	—	—	—
	Month	41264				
Johnstown Castle Co. Wexford	1-10		24	13	33	—
	11-20	—	27	15	48	—
	21-end		35	22	70	—
	Month		86	—	—	—

*, /, See notes in January issue.