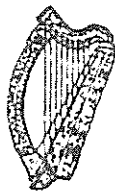


METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

DECEMBER 1980

The Weather of December

A northwesterly airflow set in on the 1st and the period up to the 6th was showery and cold, the showers being most frequent in northern and western counties. Widespread sharp ground frost occurred on most nights. Following the development of a ridge of high pressure, sharp air frost and severe ground frost occurred at many inland stations on the 7th and 8th.

The period from the 9th to the 19th was dominated by a strong and gusty southwesterly airflow. The spell was mild and wet, although sharp ground frost occurred in sheltered places on the 16th and 19th where skies cleared.

Conditions became changeable on the 20th. Short intervals of northwesterly winds occurred on the 20th and 21st and from the 25th to the 28th. Otherwise mild west or southwest winds were strong and gusty at times and there were spells of rain, heavy on the 24th and 26th in the west and north.

Monthly Amounts of Precipitation varied from well above normal in the north and parts of the west, near normal in much of the midlands and southwest, to well below normal in the east and southeast. Amounts ranged from 146% of normal at Malin Head to 62% of normal at Rosslare. The wettest period occurred between the 9th and 19th, when over 20 mm were recorded on several days at many stations. The number of rain days in the month was well above average in the west and north.

Mean Monthly Air Temperature was about 1.0°C above normal except at stations in the east and southeast. Values varied from 1.2°C above normal at Mullingar to 0.1°C above normal at Rosslare. Ground frost occurred somewhat less frequent than usual although air frost was sharp and widespread on the 7th and 8th. Mean soil temperatures (100 mm) were mostly above normal, ranging from 0.9°C above normal at Belmullet and Claremorris to about normal at Rosslare.

Mean Duration of Bright Sunshine was below normal at most stations and ranged from 105% of normal at Mullingar to 46% of normal at Malin Head. The last ten days were dullest, providing an average daily sunshine of 0.15 hours only at Belmullet and 0.24 hours at Malin Head.

Gale Gusts were frequent throughout the month, being most widespread on the 5th, 9th to 20th (except 11th and 16th), 23rd, 24th and 31st.

Monthly Summary. The month was dull and mild, and was generally windy and wet in western and northern counties.

Summary for 1980. The year was remarkable for drought in Spring (April/May), an exceptionally dull summer, which was also wet, particularly in the south, southwest and west and a very wet September and October. Taken as a whole rainfall was in general above normal for the year and mean air temperature was somewhat below normal.

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

TABLE 1

December, 1980

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				
Carlow (Oak Park) Co. Carlow	1-10	17.1	/	4	3	8.1	-0.6	3.8	/	-6.2	08	6	12	0	-9.5	09	6	/	/	1.43	/	4	/
	11-20	39.0	/	10	8	9.5	3.9	6.7	/	-0.8	19	1	24	1	-3.0	16	4	/	/	1.72	/	6	/
	21-end	11.2	/	7	4	9.5	4.5	7.0	/	-1.5	27	2	22	1	-4.0	27	3	/	/	0.76	/	5	/
	Month	67.3	/	21	15	9.0	2.6	5.8	/	-6.2	08	9	58	2	-9.5	09	13	/	/	1.28	/	5	/
Shannon Airport Co. Clare	1-10	20.1	-	4	3	8.4	2.5	5.5	-	-3.2	07	3	14	0	-8.7	07	6	4.5	-	1.38	-	5	0
	11-20	64.0	-	10	8	10.8	5.1	8.0	-	1.6	18	0	35	0	-3.2	19	2	6.2	-	1.87	-	7	7
	21-end	29.0	-	9	8	10.0	6.1	8.1	-	1.0	27	0	38	1	-0.6	27	2	7.0	-	0.58	-	6	1
	Month	113.1	100	23	19	9.7	4.6	7.2	+1.1	-3.2	07	3	87	1	-8.7	07	10	5.9	+0.1	1.25	89	6	8
Fermoy (Moore Park) Co. Cork	1-10	17.0	-	3	2	8.6	-0.3	4.2	/	-6.6	08	6	14	0	-7.4	08	7	/	/	1.24	/	4	/
	11-20	74.3	-	10	10	10.5	3.7	7.1	/	-1.0	19	1	28	1	-2.1	19	3	/	/	1.18	/	5	/
	21-end	14.9	-	7	5	10.3	4.6	7.5	/	-0.9	27	1	25	1	-1.5	21	5	/	/	0.48	/	4	/
	Month	106.2	96	20	17	9.8	2.7	6.3	/	-6.6	08	8	67	2	-7.4	08	15	/	/	0.95	/	4	/
Mallow Co. Cork	1-10	14.6	-	4	3	8.9	-1.0	4.0	/	-7.0	08	6	9	0	-7.6	08	7	/	/	1.35	/	/	/
	11-20	76.8	-	10	10	10.8	4.2	7.5	/	1.0	19	0	27	0	-1.3	16	3	/	/	1.27	/	/	/
	21-end	16.2	-	5	4	10.6	4.9	7.8	/	-1.5	27	1	29	1	-2.0	27	2	/	/	0.64	/	/	/
	Month	107.6	87	19	17	10.1	2.8	6.5	/	-7.0	08	7	65	1	-7.6	08	12	/	/	1.07	/	/	/
Roche's Point Co. Cork	1-10	24.6	-	3	2	8.8	4.2	6.5	-	-0.5	08	1	20	0	-3.9	08	4	5.8	-	2.57	-	6	6
	11-20	61.1	-	10	9	10.5	5.4	8.0	-	2.1	18	0	39	0	-0.9	19	2	7.5	-	1.66	-	9	8
	21-end	7.5	-	3	3	10.2	6.3	8.3	-	1.9	26	0	41	1	-0.4	27	2	7.5	-	0.88	-	7	6
	Month	93.2	89	16	14	9.8	5.8	7.6	+0.3	-0.5	08	1	100	1	-3.9	08	8	6.9	+0.2	1.68	102	7	20
Glencolumbkille Co. Donegal	1-10	56.2	/	10	7	8.9	4.1	6.5	/	-0.5	07	1	14	0	-7.0	07	6	/	/	0.57	/	5	/
	11-20	114.4	/	10	10	9.7	5.3	7.5	/	1.5	19	0	29	1	-3.5	19	5	/	/	0.42	/	6	/
	21-end	76.7	/	11	9	9.4	5.0	7.2	/	2.0	26	0	34	2	-4.0	27	3	/	/	0.05	/	5	/
	Month	247.3	/	31	26	9.3	5.0	7.2	/	-0.5	07	1	77	3	-7.0	07	14	/	/	0.34	/	5	/
Glenties Co. Donegal	1-10	50.3	-	8	6	8.9	0.3	4.6	/	-5.0	07	4	6	0	-10.0	07	9	/	/	0.73	/	/	/
	11-20	123.7	-	10	10	9.7	3.8	6.8	/	-1.2	19	1	28	0	-5.5	19	5	/	/	0.44	/	/	/
	21-end	70.6	-	11	10	9.4	3.6	6.5	/	-2.5	27	1	23	0	-2.5	27	5	/	/	0.10	/	/	/
	Month	244.6	137	29	26	9.3	2.6	6.0	/	-5.0	07	6	57	0	-10.0	07	19	/	/	0.41	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

STATION	PERIOD	RAINFALL (MM.)				TEMPERATURE °C														BRIGHT SUNSHINE		WIND	
		AMOUNT	% OF AVERAGE	RAIR DAYS	WET DAYS	AIR							GROUND			SOIL (10 CM)				MEAN DAILY (HRS.)	% OF AVERAGE	MEAN SPEED (m.p.h.)	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	14.5	-	9	6	8.7	4.4	6.6	-	1.9	08	0	23	0	-3.0	07	2	5.4	-	0.45	-	10	9
	11-20	112.7	-	10	9	9.3	4.6	7.0	-	0.5	19	0	28	0	-1.2	19	2	6.0	-	0.71	-	9	9
	21-end	45.4	-	10	9	9.8	5.4	7.6	-	1.3	25	0	33	0	-0.7	27	2	6.3	-	0.24	-	10	11
	Month	172.6	146	29	24	9.3	4.8	7.1	+0.7	0.5	19	0	84	0	-3.0	07	6	5.9	+0.4	0.46	46	10	29
Casement Aerodrome Co. Dublin	1-10	12.9	-	4	2	7.5	0.7	4.1	-	-5.1	07	6	10	0	-9.4	08	7	3.4	-	1.39	-	7	3
	11-20	30.2	-	8	8	9.8	3.8	6.8	-	-0.7	19	1	30	0	-3.3	19	4	5.7	-	1.00	-	9	8
	21-end	10.4	-	6	3	9.1	4.3	6.7	-	-2.7	27	1	31	1	-6.0	27	3	5.9	-	0.97	-	9	6
	Month	53.5	69	18	13	8.8	3.0	5.9	+0.6	-5.1	07	8	71	1	-9.4	08	14	5.0	-	1.12	74	8	17
Dublin Airport e Co. Dublin	1-10	14.6	-	3	2	7.6	2.2	4.9	-	-2.2	07	2	13	0	-6.0	08	6	3.6	-	1.93	-	6	4
	11-20	25.0	-	9	8	9.8	3.8	6.8	-	0.8	19	0	30	0	-2.5	19	5	5.7	-	1.72	-	7	4
	21-end	10.1	-	7	2	9.2	5.0	7.1	-	-0.8	27	1	35	2	-4.6	27	2	5.9	-	1.09	-	7	4
	Month	49.7	65	19	12	8.9	3.7	6.3	+0.5	-2.2	07	3	78	2	-6.0	08	13	5.1	+0.3	1.56	94	7	12
Kinsealy Co. Dublin	1-10	11.1	-	4	3	8.5	1.6	5.1	/	-3.1	08	2	14	1	-8.8	08	7	/	/	1.65	/	5	/
	11-20	24.5	-	9	6	10.5	3.7	7.1	/	0.4	19	0	28	2	-3.0	20	6	/	/	1.71	/	6	/
	21-end	9.0	-	5	3	10.7	5.1	7.9	/	-0.1	28	1	38	2	-1.3	26	3	/	/	1.14	/	6	/
	Month	44.6	61	18	12	9.9	3.5	6.7	/	-3.1	08	3	80	5	-8.8	08	16	/	/	1.49	/	6	/
Galway Co. Galway	1-10	20.6	-	5	2	8.8	2.3	5.6	-	-3.3	07	2	15	0	-6.4	07	4	4.7	-	1.90	-	5	2
	11-20	70.2	-	9	9	10.0	4.4	7.2	-	0.4	19	0	32	0	-2.6	19	3	6.4	-	1.85	-	7	8
	21-end	31.9	-	10	8	9.7	5.7	7.7	-	1.0	25	0	31	1	-0.9	26	2	6.7	-	0.49	-	7	5
	Month	122.7	98	24	19	9.5	4.2	6.9	+0.7	-3.3	07	2	78	1	-6.4	07	9	6.0	-	1.38	100	6	15
Killarney (Muckross Hse) Co. Kerry	1-10	64.5	/	9	4	9.4	1.8	5.6	/	-3.4	07	3	13	0	-7.5	07	7	/	/	0.90	/	/	/
	11-20	118.4	/	10	10	11.8	6.7	9.3	/	1.5	19	0	49	2	-1.5	19	2	/	/	0.32	/	/	/
	21-end	36.4	/	10	6	11.2	6.3	8.8	/	1.7	27	0	48	2	-1.8	27	2	/	/	0.22	/	/	/
	Month	219.3	/	29	20	10.8	5.0	7.9	/	-3.4	07	3	110	4	-7.5	07	11	/	/	0.50	/	/	/
Cahirciveen e (Valentia Obsy.) Co. Kerry	1-10	33.5	-	6	2	9.9	4.2	7.1	-	-2.0	07	2	26	1	-3.8	07	3	6.2	-	1.51	-	6	4
	11-20	87.8	-	10	10	11.4	6.6	9.0	-	3.2	18	0	50	0	1.4	18	0	8.2	-	0.66	-	9	10
	21-end	25.8	-	11	7	11.1	7.1	9.1	-	3.1	26	0	51	2	1.1	26	0	8.3	-	0.30	-	7	10
	Month	147.1	92	27	19	10.8	6.0	8.4	+0.6	-2.0	07	2	127	3	-3.8	07	3	7.6	+0.7	0.81	62	7	24

Notes on the tables in January issue.

TABLE 1 (Continued)

December, 1980

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 (m/s)	DAYS WITH GALE GUSTS						
						MEAN MAX.	MEAN MIN.	MEAN DAILY	ANT. DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREES DAYS ABOVE 4.0°C	DEGREES DAYS ABOVE 10.0°C	LOWEST °GRASS-MIN. "	DATE	DAYS WITH GROUND FROST					MEAN DAILY	DIFFERENCE FROM AVERAGE				
Tralee Lislara Co. Kerry	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Lullymore Co. Kildare	1-10	15.1	-	4	2	7.8	-0.4	3.7	/	-5.6	07	6	7	0	-11.6	07	7	/	/	0.77	-	6	/	/	/	/	/
	11-20	44.8	-	10	9	8.9	3.0	6.0	/	-1.0	19	2	19	0	-6.3	16	5	/	/	0.47	-	6	/	/	/	/	/
	21-end	19.1	-	8	6	9.1	3.7	6.4	/	-2.1	27	2	15	0	-6.5	27	6	/	/	0.56	-	7	/	/	/	/	/
	Month	79.0	89	22	17	8.6	2.2	5.4	/	-5.6	07	10	41	0	-11.6	07	18	/	/	0.60	-	6	/	/	/	/	/
Kilkenny Co. Kilkenny	1-10	15.0	-	3	2	8.0	1.0	4.5	/	-6.6	08	4	10	0	-11.3	07	6	3.3	-	1.78	-	4	3	/	/	/	/
	11-20	45.1	-	10	10	10.2	3.2	6.7	/	-2.0	19	3	26	0	-7.4	19	4	5.9	-	1.50	-	5	6	/	/	/	/
	21-end	11.8	-	4	4	9.4	5.0	7.2	/	-1.3	27	1	34	1	-7.3	27	2	6.2	-	0.81	-	5	3	/	/	/	/
	Month	71.9	81	17	16	9.2	3.1	6.2	+0.9	-6.6	08	8	70	1	-11.3	07	12	5.2	+0.6	1.35	88	5	12	/	/	/	/
Mooncoin (Silverspring) Co. Kilkenny	1-10	15.4	-	4	3	8.5	-0.7	3.9	/	-7.1	08	7	8	1	-10.1	08	8	/	/	1.45	-	/	/	/	/	/	/
	11-20	54.0	-	10	9	10.8	3.1	7.0	/	-2.0	16	2	23	1	-5.6	19	5	/	/	2.13	-	/	/	/	/	/	/
	21-end	14.0	-	7	3	10.5	4.3	7.4	/	0.1	26	0	33	1	-3.7	27	5	/	/	1.05	-	/	/	/	/	/	/
	Month	83.4	81	21	15	10.0	2.3	6.2	/	-7.1	08	9	64	3	-10.1	08	18	/	/	1.53	-	/	/	/	/	/	/
Ballinamore Co. Leitrim	1-10	29.1	-	7	3	8.5	0.3	4.4	/	-5.0	07	4	11	0	-6.7	07	7	/	/	1.39	-	4	/	/	/	/	/
	11-20	95.4	-	10	10	8.9	3.1	6.0	/	-1.0	19	2	20	0	-2.7	19	4	/	/	0.82	-	4	/	/	/	/	/
	21-end	49.8	-	11	10	9.2	4.3	6.8	/	-1.1	27	1	30	0	-2.3	27	4	/	/	0.49	-	4	/	/	/	/	/
	Month	174.3	137	28	23	8.9	2.6	5.8	/	-5.0	07	7	61	0	-6.7	07	15	/	/	0.89	-	4	/	/	/	/	/
Ardee (Boharnamee) Co. Louth	1-10	8.0	/	4	1	8.7	0.6	4.7	/	-4.9	07	5	12	0	-11.7	07	7	/	/	/	-	/	/	/	/	/	/
	11-20	51.4	/	9	8	9.5	3.8	6.7	/	-0.9	19	1	31	1	-5.7	19	5	/	/	/	-	/	/	/	/	/	/
	21-end	20.4	/	9	5	10.0	3.7	6.9	/	-1.4	27	2	35	1	-7.6	27	5	/	/	/	-	/	/	/	/	/	/
	Month	79.8	/	22	14	9.4	2.7	6.1	/	-4.9	07	8	78	2	-11.7	07	17	/	/	/	-	/	/	/	/	/	/
Ballinrobe (Creagh) Co. Mayo	1-10	54.2	-	8	4	9.3	0.7	5.0	/	-4.0	08	4	12	0	-8.0	07	8	/	/	1.43	-	3	/	/	/	/	/
	11-20	118.9	-	10	10	9.9	4.5	7.2	/	-0.5	19	1	28	0	-4.5	19	4	/	/	1.60	-	5	/	/	/	/	/
	21-end	47.0	-	11	8	9.9	4.2	7.1	/	1.1	25	0	30	0	-3.6	27	2	/	/	0.39	-	4	/	/	/	/	/
	Month	220.1	152	29	22	9.7	3.2	6.5	/	-4.0	08	5	70	0	-8.0	07	14	/	/	1.11	-	4	/	/	/	/	/

Notes on the tables in January issue

TABLE I (Continued)

December, 1980

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	31.9	-	9	7	9.6	5.0	7.3	-	-0.5	07	1	27	0	-4.6	07	2	6.8	-	1.12	-	8	4
	11-20	95.3	-	9	9	10.2	5.1	7.7	-	2.3	18	0	35	0	-1.2	19	2	7.3	-	1.14	-	9	7
	21-end	38.1	-	9	8	10.1	5.7	7.9	-	1.1	25	0	39	1	-1.6	27	2	6.8	-	0.15	-	8	8
	Month	165.3	127	27	24	10.0	5.3	7.7	+0.9	-0.5	07	1	101	1	-4.6	07	6	7.0	+0.9	0.78	70	8	19
Claremorris e Co. Mayo	1-10	38.3	-	8	3	8.1	1.8	5.0	-	-3.8	08	3	10	0	-7.4	07	5	4.3	-	1.16	-	5	3
	11-20	106.6	-	10	9	9.3	3.5	6.4	-	-0.3	20	1	25	0	-4.0	19	4	6.0	-	1.08	-	6	7
	21-end	37.4	-	9	7	9.4	5.0	7.2	-	-0.2	26	2	28	0	-2.8	27	2	6.3	-	0.27	-	7	4
	Month	182.3	142	27	19	8.9	3.5	6.2	+1.0	-3.8	08	6	63	0	-7.4	07	11	5.6	+0.9	0.82	64	6	14
Glenamoy Co. Mayo	1-10	54.8	-	9	9	9.2	3.6	6.4	/	-1.6	08	2	21	0	-3.8	07	4	/	/	0.92	/	/	/
	11-20	120.3	-	10	10	9.8	4.8	7.3	/	-0.5	19	1	25	0	-1.7	19	1	/	/	0.81	/	/	/
	21-end	59.7	-	11	11	9.5	4.8	7.2	/	-0.3	27	1	23	1	-1.7	27	2	/	/	0.20	/	/	/
	Month	234.8	148	30	30	9.5	4.4	7.0	/	-1.6	08	4	69	1	-3.8	07	7	/	/	0.53	/	/	/
Dunsany (Grange) Co. Meath	1-10	21.1	-	5	3	7.9	0.2	4.1	/	-5.5	07	6	17	0	-13.2	07	7	/	/	1.28	/	/	/
	11-20	41.0	-	10	8	9.0	3.4	6.2	/	-1.4	19	2	24	0	-7.5	19	4	/	/	1.42	/	/	/
	21-end	27.9	-	10	7	10.1	3.9	7.0	/	-3.0	28	2	23	1	-5.3	28	3	/	/	0.84	/	/	/
	Month	90.0	95	25	18	9.1	2.5	5.8	/	-5.5	07	10	64	1	-13.2	07	14	/	/	1.17	/	/	/
Clones e Co. Monaghan	1-10	24.1	-	5	3	7.8	1.5	4.7	-	-4.0	08	3	9	0	-10.1	08	6	4.2	-	1.70	-	6	4
	11-20	65.5	-	9	9	9.0	2.7	5.9	-	-0.6	19	1	20	0	-3.9	19	3	5.4	-	0.86	-	6	4
	21-end	43.6	-	9	8	8.7	4.6	6.7	-	-0.8	27	1	27	0	-3.0	27	3	6.0	-	0.59	-	7	7
	Month	133.2	137	23	20	8.6	3.0	5.8	+1.0	-4.0	08	5	56	0	-10.1	08	12	5.2	+0.8	1.04	90	6	15
Birr e Co. Offaly	1-10	18.2	-	2	1	8.3	1.6	5.0	-	-6.3	07	5	12	0	-10.0	07	5	3.8	-	1.57	-	5	3
	11-20	46.8	-	10	8	10.3	3.5	6.9	-	0.1	19	0	30	0	-3.5	19	4	6.1	-	1.20	-	5	6
	21-end	22.6	-	7	5	9.3	5.1	7.2	-	-0.9	27	1	33	1	-5.2	27	3	6.3	-	0.63	-	5	2
	Month	87.6	98	19	14	9.3	3.5	6.4	+1.1	-6.3	27	6	75	1	-10.0	07	12	5.4	+0.5	1.12	84	5	11
Thurles Co. Tipperary	1-10		-																				
	11-20		-				NOT	AVAILABLE															
	21-end		-																				
	Month		-																				

Notes on the tables in January issue

TABLE 1 (Continued)

December, 1980

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 MTH	MEAN DAILY	AND DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.0C	DEGREE DAYS ABOVE 10.0C	LOWEST "GRASS-MIN."					DATE	DAYS WITH GROUND FROST	MEAN DAILY	DIFFERENCE FROM AVERAGE
Dunbarvan (Ballygagin) Co. Waterford	1-10	24.4	/	4	3	9.1	1.5	5.3	/	-4.5	08	3	11	0	-9.5	08	7	/	1.83	/	3	/	
	11-20	78.5	/	10	10	10.6	5.2	7.9	/	-0.2	19	1	29	1	-4.1	19	5	/	1.76	/	4	/	
	21-end	13.2	/	7	3	10.0	5.2	7.6	/	1.0	26	0	36	3	-2.5	27	2	/	0.85	/	5	/	
	Month	116.1	/	21	16	9.9	4.0	7.0	/	-4.5	08	4	76	4	-9.5	08	14	/	1.46	/	4	/	
Mullingar e Co. Westmeath	1-10	21.6	-	5	3	8.0	1.4	4.7	-	-5.2	08	5	9	0	-8.4	08	5	3.5	-	2.21	-	5	2
	11-20	65.4	-	10	10	9.3	2.4	5.9	-	-1.7	19	2	22	0	-5.1	19	4	5.6	-	1.55	-	6	4
	21-end	28.4	-	10	8	9.0	4.7	6.9	-	-1.1	27	1	29	1	-4.8	27	3	5.6	-	0.91	-	7	4
	Month	115.4	113	25	21	8.8	2.9	5.9	+1.2	-5.2	08	8	60	1	-8.4	08	12	4.9	+0.5	1.54	105	6	10
Campile (Ballysop) Co. Wexford	1-10	15.4	-	4	3	8.0	1.2	4.6	/	-3.6	08	5	15	0	-10.1	08	8	/	2.48	/	/	/	
	11-20	46.7	-	8	7	10.0	4.1	7.1	/	-0.6	19	1	29	0	-6.5	19	5	/	1.92	/	/	/	
	21-end	10.4	-	5	2	9.5	4.5	7.0	/	0.5	26	0	30	2	-5.4	27	5	/	1.15	/	/	/	
	Month	72.5	67	17	12	9.2	3.3	6.3	/	-3.6	08	6	74	2	-10.1	08	18	/	1.83	/	/	/	
Clonroche Co. Wexford	1-10	17.2	-	4	4	7.8	0.7	4.3	/	-4.6	08	4	13	0	-10.9	08	7	/	1.61	/	3	/	
	11-20	58.4	-	9	8	10.0	4.0	7.0	/	-1.5	19	1	25	0	-5.5	19	4	/	1.59	/	4	/	
	21-end	12.0	-	7	4	9.0	4.6	6.8	/	-0.7	27	1	27	1	-6.5	27	3	/	1.00	/	4	/	
	Month	87.6	74	20	16	8.9	3.1	6.0	/	-4.6	08	6	65	1	-10.9	08	14	/	1.38	/	4	/	
Johnstown Castle Co. Wexford	1-10	12.1	-	3	3	8.2	1.8	5.0	/	-2.0	08	3	8	0	-9.1	08	8	/	2.49	/	5	/	
	11-20	59.3	-	9	9	9.8	4.3	7.1	/	0.5	19	0	32	0	-6.1	19	6	/	1.73	/	6	/	
	21-end	10.3	-	7	2	9.3	4.7	7.0	/	0.5	27	0	34	1	-3.3	27	6	/	1.11	/	5	/	
	Month	81.7	74	19	14	9.1	3.6	6.4	/	-2.0	08	3	74	1	-9.1	08	20	/	1.75	/	5	/	
Rosslare e Co. Wexford	1-10	11.8	-	2	2	8.5	3.8	6.2	-	0.1	08	0	18	0	-6.7	08	5	4.8	-	2.77	-	7	5
	11-20	42.5	-	9	8	10.1	5.0	7.6	-	1.5	18	0	33	1	-1.9	18	3	6.9	-	2.06	-	7	8
	21-end	8.2	-	2	2	9.5	5.7	7.6	-	1.3	26	0	33	2	-2.1	26	2	6.7	-	1.12	-	6	5
	Month	62.5	62	13	12	9.4	4.9	7.2	+0.1	0.1	08	0	84	3	-6.7	08	10	6.1	+0.0	1.95	104	7	18

Notes on the tables in January issue

TABLE 2

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

December, 1980

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		6	-	0	13
	11-20		-1	-	0	39
	21-end		2	-	0	9
	Month		7	-	-	-
Kinsealy* Co. Dublin	1-10	1779	3	-	0	3
	11-20	1558	9	-	0	21
	21-end	1717	5	-	0	4
	Month	5054	17	-	-	-
Cahirciveen e (Valentia Obsy.) Co. Kerry	1-10	2023	4	-	0	4
	11-20	1649	1	-	0	116
	21-end	1526	4	-	0	22
	Month	5198	9	-	-	-
Kilkenny e Co. Kilkenny	1-10	2162				
	11-20	2034	-	-	-	-
	21-end	2109				
	Month	6305				
Bellinamore Co. Leitrim	1-10		2	-	0	10
	11-20		1	-	0	104
	21-end		2	-	0	46
	Month		5	-	-	-
Glenamoy/ Co. Mayo	1-10		1	-	0	28
	11-20		-1	-	0	147
	21-end		-1	-	0	61
	Month		-1	-	-	-
Birr e Co. Offaly	1-10	1815				
	11-20	1819	-	-	-	-
	21-end	1847				
	Month	5481				
Johnstown Castle Co. Wexford	1-10		7	5	5	-
	11-20		8	-	-	61
	21-end		-1	-	-	11
	Month		14	-	-	-

*, /, See notes in January issue.