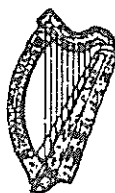


METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

NOVEMBER 1978

The Weather of November

From 1st to 23rd southwesterly or southerly winds prevailed and the weather was very mild with daytime temperatures commonly about 3°C above normal. Nights were also mild and only on 9th and on 20th was airfrost recorded and then only at a few stations. The period 1st to 11th was largely dry in the midlands, east and south. Between 12th and 23rd conditions were wetter, with some heavy rain between 14th and 16th and again on 23rd. Showers, some of hail and a few accompanied by thunder occurred on 15th and 19th chiefly near west-facing coasts.

On 24th and 25th temperatures fell as winds turned westerly and then northwesterly. As on 15th and 19th, there were wintry-type showers but now it was cold enough for some of them to fall as snow.

Between 26th and 28th a ridge of high pressure over the northeast of the country gave most areas dry, very cold and frosty conditions. In west Munster the influence of the Atlantic rainbelts made conditions less harsh than elsewhere but there was occasional rain on 26th and 27th. On 29th and 30th a southeasterly developed as the Atlantic rainbelts pushed eastwards and there was a gradual rise in temperature.

Mean Monthly Rainfall Amounts were over 150% of normal in parts of the northwest, about 110% in the midlands and less than 75% of normal in the southeast. Stations in the northwest recorded over 50 mm (2 inches) during the first ten days when less than 2 mm fell in the southeast. This tendency continued during the wet spell between 11th and 23rd because with winds mostly from the southwest, the Atlantic rainbelts were more active on first reaching land in the northwest.

Mean Monthly Air Temperatures ranged from 0.9°C to 2.2°C above normal but were generally 1.5°C above normal, making it the mildest November for thirty years. The only cold spell of the month occurred between 25th and 30th. Air temperatures between -5°C and -7°C were recorded on 28th. Soil temperatures at 10 cm (4 inches) were 2°C or more above normal except in some northwestern coastal areas and grass growth was unusually good.

Mean Daily Duration of Bright Sunshine was less than 70% of normal in the west while elsewhere it ranged from 75% to 95% of normal. Valentia Observatory recorded only 54% of normal sunshine and it was the dullest November there since 1880 when records began. Only the Dublin stations had more than normal sunshine (104%).

Strong Winds affected many areas on 7th, between 12th and 21st and on 25th. Gusts ranged from 21 ms⁻¹ to 31 ms⁻¹ (40 to 60 kts) generally with a few gusts to 34 ms⁻¹ (66 kts).

Summary. November was dull but very mild. Rainfall ranged from over 140% of normal over much of Connaught and west Ulster to less than 75% of normal in the southeast of Leinster.

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 Monthly Weather Report.

TABLE 1

NOVEMBER, 1978

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°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	1.3	/	3	0	14.4	7.7	11.0	/	1.7	01	0	67	14	-1.6	01	1	/	/	2.86	/	5	/
	11-20	30.6	/	8	7	13.0	6.6	9.8	/	0.7	20	0	54	9	-3.5	20	3	/	/	3.89	/	6	/
	21-end	24.2	/	4	3	8.0	1.7	4.9	/	-5.3	28	4	21	4	-9.3	28	6	/	/	1.96	/	3	/
	Month	56.1	/	15	10	11.8	5.3	8.6	/	-5.3	28	4	142	27	-9.3	28	10	/	/	1.95	/	5	/
Shannon Airport Co. Clare	1-10	6.7	-	3	3	15.0	9.7	12.4	-	4.5	01	0	80	25	0.0	01	0	11.6	-	1.86	-	6	1
	11-20	49.3	-	9	9	13.9	7.6	10.7	-	4.7	20	0	64	11	1.9	20	0	10.4	-	1.31	-	7	4
	21-end	34.6	-	7	7	8.4	4.3	6.3	-	-0.5	28	1	25	5	-2.9	28	4	7.9	-	0.87	-	4	0
	Month	90.6	98	19	19	12.4	7.2	9.8	+2.2	-0.5	28	1	169	41	-2.9	28	4	10.0	+2.6	1.35	66	6	5
Fermoy (Moore Park) Co. Cork	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Mallow Co. Cork	1-10	16.5	-	5	5	15.1	7.9	11.5	/	1.0	01	0	72	19	-2.5	01	4	/	/	1.97	/	/	/
	11-20	40.5	-	7	7	13.4	7.0	10.2	/	-0.6	20	1	58	11	-5.5	20	3	/	/	1.61	/	/	/
	21-end	48.4	-	7	6	8.9	2.8	5.9	/	-3.5	28	3	23	5	-6.0	28	7	/	/	NA	/	/	/
	Month	105.4	98	19	18	12.5	5.9	9.2	/	-3.5	28	4	153	35	-6.0	28	14	/	/	-	/	/	/
Roche's Point Co. Cork	1-10	8.2	-	5	2	14.4	10.8	12.6	-	6.2	01	0	82	26	2.4	01	0	12.0	-	2.70	-	7	2
	11-20	48.2	-	9	7	13.3	7.8	10.5	-	4.3	20	0	62	10	1.1	20	0	10.6	-	1.81	-	10	8
	21-end	35.4	-	6	4	9.9	6.1	8.0	-	1.1	28	0	37	6	-0.4	26	3	8.4	-	1.55	-	8	5
	Month	91.8	98	20	13	12.5	8.2	10.4	+1.6	1.1	28	0	181	42	-0.4	26	3	10.3	+2.0	2.02	90	8	15
Glencolumbkille Co. Donegal	1-10	54.9	/	8	6	13.8	9.3	11.6	/	5.8	01	0	72	16	0.4	01	0	/	/	1.41	/	5	/
	11-20	143.3	/	10	10	11.9	6.8	9.4	/	4.2	20	0	50	4	2.0	13	0	/	/	0.33	/	6	/
	21-end	29.4	/	8	7	8.4	3.2	5.8	/	-2.5	28	2	19	1	-5.5	28	6	/	/	2.00	/	4	/
	Month	227.6	/	26	23	11.4	6.4	8.9	/	-2.5	28	2	141	21	-5.5	28	6	/	/	1.25	/	5	/
Glenties Co. Donegal	1-10	25.7	-	7	6	14.0	7.8	10.9	/	1.0	01	0	65	14	-2.0	01	2	/	/	NA	/	/	/
	11-20	165.5	-	8	8	12.4	6.3	9.3	/	3.0	20	0	49	5	-0.8	20	2	/	/	0.55	/	/	/
	21-end	31.0	-	10	8	8.3	1.9	5.1	/	-4.5	28	3	18	1	-9.0	28	8	/	/	2.04	/	/	/
	Month	222.2	149	25	22	11.6	5.3	8.4	/	-4.5	28	3	132	20	-9.0	28	12	/	/	-	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

NOVEMBER, 1978

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 4.0°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	22.0	-	7	5	13.9	9.5	11.7	-	5.6	01	0	73	18	1.8	01	0	10.3	-	1.86	-	10	9
	11-20	100.4	-	9	8	12.3	5.9	9.1	-	3.6	15	0	48	3	-6.3	20	1	8.6	-	0.94	-	11	10
	21-end	27.2	-	8	6	8.3	3.9	6.1	-	-1.1	28	1	23	1	-3.6	28	2	5.8	-	1.84	-	8	7
	Month	149.6	142	24	19	11.5	6.5	9.0	+1.1	-1.1	28	1	144	22	-6.3	20	3	8.2	+1.3	1.55	91	10	26
Dublin Airport e Co. Dublin	1-10	1.5	-	2	1	15.1	8.7	11.9	-	2.4	01	0	75	21	-0.4	01	1	11.0	-	3.49	-	5	1
	11-20	33.9	-	8	5	13.4	6.7	10.1	-	3.0	20	0	57	11	-0.2	20	1	9.6	-	1.28	-	7	6
	21-end	28.7	-	5	3	7.9	3.0	5.5	-	-2.4	28	3	23	4	-8.9	28	5	6.4	-	2.05	-	4	0
	Month	64.1	92	15	9	12.1	6.2	9.2	+1.8	-2.4	28	3	155	36	-8.9	28	7	9.0	+2.5	2.27	104	5	7
Kinsealy Co. Dublin	1-10	1.8	/	2	1	15.0	7.9	11.4	/	1.1	01	0	71	16	-0.6	01	1	/	/	3.36	/	4	/
	11-20	29.9	/	9	5	14.0	6.9	10.4	/	2.9	20	0	61	11	0.5	20	0	/	/	1.19	/	6	/
	21-end	32.7	/	6	4	8.6	2.3	5.4	/	-2.4	28	5	24	6	-6.9	29	6	/	/	1.83	/	4	/
	Month	64.4	/	17	10	12.5	5.7	9.1	/	-2.4	28	5	156	33	-6.9	29	7	/	/	2.13	/	5	/
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	2.8	/	3	2	14.7	8.0	11.4	/	2.8	01	0	70	15	0.9	01	0	/	/	3.01	/	4	/
	11-20	41.6	/	8	7	13.1	6.2	9.7	/	2.0	20	0	53	8	0.5	20	0	/	/	1.40	/	5	/
	21-end	28.7	/	7	5	7.4	1.6	4.5	/	-5.4	28	5	21	4	-7.5	28	5	/	/	2.00	/	2	/
	Month	73.1	/	18	14	11.7	5.3	8.5	/	-5.4	28	5	144	27	-7.5	28	5	/	/	2.14	/	4	/
Galway (Univ. Coll.) Co. Galway	1-10	16.7	/	5	3	14.4	9.8	12.1	/	5.6	01	0	77	22	-4.5	01	3	/	/	2.07	/	/	/
	11-20	100.0	/	10	10	12.8	7.2	10.0	/	4.0	20	0	56	7	-4.0	20	4	/	/	1.61	/	NA	/
	21-end	41.9	/	8	7	8.5	3.6	6.0	/	-1.8	28	7	23	4	-9.2	28	7	/	/	1.44	/	/	/
	Month	158.6	/	23	10	11.9	6.9	9.4	/	-1.8	28	7	156	33	-9.2	28	14	/	/	1.71	/	/	/
Killarney (Muckross Hse) Co. Kerry	1-10	38.9	/	7	5	15.1	9.8	12.4	/	3.0	01	0	80	25	1.0	01	0	/	/	2.31	/	/	/
	11-20	91.4	/	10	10	13.3	8.1	10.7	/	4.6	20	0	63	11	2.0	20	0	/	/	0.90	/	/	/
	21-end	74.6	/	9	8	10.1	5.4	7.8	/	0.4	30	0	34	6	-1.5	30	1	/	/	0.72	/	/	/
	Month	204.9	/	26	23	12.8	7.8	10.3	/	0.4	30	0	177	42	-1.5	30	1	/	/	1.31	/	/	/
Cahiriveen e (Valentia Obsy.) Co. Kerry	1-10	35.1	-	7	5	14.8	10.6	12.7	-	4.0	01	0	83	28	1.1	01	0	12.1	-	0.74	-	8	5
	11-20	68.8	-	9	9	14.1	8.4	11.3	-	6.2	20	0	69	14	1.8	20	0	10.8	-	1.38	-	9	10
	21-end	62.4	-	10	8	10.6	6.6	8.6	-	2.1	30	0	42	6	-0.8	30	1	9.1	-	1.04	-	6	6
	Month	166.3	115	26	22	13.2	8.5	10.8	+1.7	2.1	30	0	194	48	-0.8	30	1	10.7	+2.4	1.05	54	8	21

Notes on the tables in January issue

TABLE 1 (Continued)

NOVEMBER 1978

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
Tralee (Caherwersheen) Co. Kerry	1-10	22.6	/	5	4	15.9	9.4	12.7	/	4.3	01	0	83	27	-0.8	01	1	/	/	3.22	/	/	/
	11-20	85.9	/	10	9	14.0	9.2	11.6	/	5.1	16	0	73	18	1.6	16	0	/	/	1.78	/	/	/
	21-end	51.3	/	10	9	10.6	5.8	8.2	/	0.0	30	0	38	9	-5.6	30	4	/	/	0.72	/	/	/
	Month	159.8	/	25	22	13.5	8.1	10.8	/	0.0	30	0	194	54	-5.6	30	5	/	/	1.91	/	/	/
Lullymore Co. Kildare	1-10	3.2	/	3	2	14.2	7.6	10.9	/	0.8	01	0	65	14	-2.2	01	1	/	/	NA	/	4	/
	11-20	45.4	/	10	9	12.9	5.0	9.0	/	-0.5	20	1	46	4	-4.2	20	3	/	/	0.64	/	5	/
	21-end	29.4	/	7	3	7.3	1.0	4.2	/	-6.1	28	5	19	3	-12.2	28	8	/	/	1.88	/	3	/
	Month	78.0	/	20	14	11.5	4.5	8.0	/	-6.1	28	6	130	21	-12.2	28	12	/	/	-	/	4	/
Kilkenny e Co. Kilkenny	1-10	1.7	-	2	1	14.6	7.2	10.9	-	-1.3	09	1	66	17	-3.7	09	2	10.7	-	2.49	-	4	1
	11-20	24.1	-	7	5	13.5	5.2	9.3	-	-1.5	20	1	50	8	-6.3	20	2	9.3	-	1.12	-	5	3
	21-end	32.0	-	6	4	8.2	2.2	5.2	-	-6.0	28	5	25	5	-9.4	28	5	5.9	-	1.95	-	2	0
	Month	57.8	72	15	10	12.1	4.9	8.5	+1.6	-6.0	28	7	141	30	-9.4	28	9	8.6	+2.3	1.85	88	3	4
Mooncoin (Silverspring) Co. Kilkenny	1-10	3.6	/	7	1	14.7	7.9	11.3	/	0.7	09	0	69	18	-2.5	01	2	/	/	2.67	/	/	/
	11-20	40.6	/	9	8	13.3	7.1	10.2	/	-2.7	20	1	58	13	-7.0	20	2	/	/	1.38	/	/	/
	21-end	36.7	/	5	4	8.9	2.5	5.7	/	-3.8	28	5	26	5	-9.9	28	5	/	/	1.82	/	/	/
	Month	80.9	/	21	13	12.3	5.8	9.1	/	-3.8	28	6	153	36	-9.9	28	9	/	/	1.96	/	/	/
Ballinamore Co. Leitrim	1-10	18.3	/	6	5	13.7	7.3	10.5	/	0.4	01	0	61	10	-3.9	01	2	/	/	1.65	/	4	/
	11-20	87.6	/	9	8	12.0	5.4	8.7	/	-1.0	20	1	43	2	-5.4	20	3	/	/	1.02	/	4	/
	21-end	42.6	/	7	7	7.3	1.1	4.2	/	-5.0	28	4	16	0	-7.4	27	7	/	/	1.75	/	2	/
	Month	148.5	/	22	20	11.0	4.6	7.8	/	-5.0	28	5	120	12	-7.4	27	12	/	/	1.47	/	3	/
Ardee (Boharnamoe) Co. Louth	1-10	2.2	/	3	1	14.4	6.5	10.4	/	0.1	01	0	63	13	-3.5	01	5	/	/	/	/	/	/
	11-20	35.1	/	8	7	13.4	5.4	9.4	/	0.5	20	0	50	6	-2.5	16	2	/	/	/	/	/	/
	21-end	29.6	/	6	4	7.3	1.1	4.2	/	-6.5	28	4	20	2	-11.1	29	8	/	/	/	/	/	/
	Month	66.9	/	17	12	11.7	4.3	8.0	/	-6.5	28	4	133	21	-11.1	29	15	/	/	/	/	/	/
Ballinrobe (Creagh) Co. Mayo	1-10	37.1	/	10	8	14.4	7.3	10.9	/	2.7	01	0	65	12	-4.1	01	2	/	/	1.23	/	5	/
	11-20	154.4	/	10	10	12.8	7.2	10.0	/	1.9	20	0	56	8	-4.1	20	2	/	/	1.27	/	5	/
	21-end	31.4	/	9	8	8.4	1.4	4.9	/	-4.9	29	4	20	1	-9.5	28	7	/	/	1.33	/	2	/
	Month	222.9	/	29	26	11.9	5.3	8.6	/	-4.9	29	4	141	21	-9.5	28	11	/	/	1.28	/	4	/

Notes on the tables in January issue

TABLE 1 (Continued)

November, 1978

STATION	PERIOD	RAINFALL (MM.)				TEMPERATURE °C													BRIGHT SUNSHINE		WIND		
		AMOUNT	% OF AVERAGE	RAIN DAYS	WFT 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	34.2	-	6	6	13.9	10.2	12.0	-	7.9	01	0	77	21	3.5	01	0	11.4	-	1.20	-	10	7
	11-20	105.1	-	10	10	12.6	6.6	9.6	-	4.9	15	0	52	4	3.4	20	0	9.5	-	1.03	-	11	9
	21-end	26.1	-	8	6	8.5	3.7	6.1	-	-1.8	30	2	22	2	-5.1	30	3	6.9	-	1.30	-	6	4
	Month	165.4	133	24	22	11.7	6.8	9.2	+0.9	-1.8	30	2	51	27	-5.1	30	3	9.3	+1.7	1.18	62	9	20
Claremorris e Co. Mayo	1-10	24.7	-	7	6	13.7	8.0	10.9	-	1.8	01	0	65	12	0.3	01	0	10.7	-	1.22	-	6	2
	11-20	99.1	-	9	9	12.4	5.4	8.9	-	2.0	20	0	46	4	0.1	20	0	9.1	-	0.89	-	6	7
	21-end	27.6	-	8	7	7.4	1.7	4.6	-	-4.6	28	4	17	1	-6.5	28	7	5.7	-	1.57	-	3	2
	Month	151.4	142	24	22	11.2	5.1	8.1	+1.5	-4.6	28	4	28	17	-6.5	28	7	8.5	+2.2	1.23	63	5	11
Glenamoy Co. Mayo	1-10	49.0	/	8	6	14.1	8.7	11.4	/	4.3	08	0	70	16	1.2	01	0	/	/	1.38	/	/	/
	11-20	147.0	/	10	10	12.2	6.5	9.3	/	2.4	20	0	49	5	0.4	20	0	/	/	1.17	/	NA	/
	21-end	28.9	/	9	7	8.3	2.4	5.3	/	-3.4	30	3	18	2	-5.4	30	6	/	/	1.69	/	NA	/
	Month	224.9	/	27	23	11.5	5.8	8.7	/	-3.4	30	3	137	23	-5.4	30	6	/	/	1.41	/	NA	/
Dunsany (Grange) Co. Meath	1-10	3.5	-	3	2	13.6	7.4	10.5	/	1.0	01	0	61	11	/	/	/	/	/	2.32	/	NA	/
	11-20	47.9	-	8	8	12.5	5.7	9.1	/	0.5	20	0	47	5	/	/	/	/	/	1.18	/	NA	/
	21-end	36.7	-	7	6	7.1	0.8	3.9	/	-5.5	28	5	17	2	NA	/	/	/	/	2.08	/	NA	/
	Month	88.1	/	18	16	11.0	4.6	7.8	/	-5.5	28	5	125	18	/	/	/	/	/	1.86	/	NA	/
Clones e Co. Monaghan	1-10	7.2	-	6	3	13.8	7.9	10.9	-	1.2	01	0	65	12	-2.8	01	1	10.6	-	1.59	-	6	4
	11-20	51.9	-	9	8	12.2	5.0	8.6	-	1.1	20	0	43	4	-2.3	20	2	8.9	-	0.86	-	7	6
	21-end	31.6	-	6	6	6.8	1.5	4.2	-	-4.5	28	4	16	1	-8.8	28	5	6.0	-	1.73	-	4	1
	Month	90.7	108	21	17	11.0	4.8	7.9	+1.6	-4.5	28	4	124	17	-8.8	28	8	8.5	+2.5	1.39	77	6	11
Birr e Co. Offaly	1-10	5.3	-	4	2	14.5	8.4	11.5	-	1.4	01	0	71	19	-1.5	01	1	10.5	-	2.33	-	5	1
	11-20	52.0	-	10	8	13.2	6.0	9.6	-	2.2	20	0	52	7	-0.6	20	1	9.3	-	0.99	-	5	5
	21-end	22.2	-	7	2	7.9	2.4	5.2	-	-5.4	28	4	22	3	-7.5	28	5	5.9	-	1.49	-	3	0
	Month	79.5	109	21	12	11.9	5.6	8.7	+1.9	-5.4	28	4	145	29	-7.5	28	7	8.6	+2.2	1.60	79	4	6
Thurles Co. Tipperary	1-10	7.3	-	4	2	14.5	7.6	11.0	-	0.4	01	0	67	16	-3.0	01	3	/	/	2.19	/	/	/
	11-20	35.3	-	NA	NA	/	/	/	/	NOT AVAILABLE	/	/	/	/	/	/	/	/	/	NA	/	/	/
	21-end	30.5	-	NA	NA	/	/	/	/	/	/	/	/	/	/	/	/	/	/	NA	/	/	/
	Month	73.1	81	-	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

NOVEMBER 1978

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 BELOW 10.0°C	LOWEST "GRASS-MIN."	DATE	DAYS WITH GROUND FROST	MEAN DAILY	DIFFERENCE FROM AVERAGE				
Dungarvan (Ballygagin) Co. Waterford	1-10	11.1	/	4	3	14.8	8.9	11.8	/	2.5	01	0	74	21	0.4	09	0	/	/	2.73	/	2	/
	11-20	51.5	/	9	8	13.1	7.3	10.2	/	-0.4	20	1	59	13	-0.9	20	2	/	/	1.98	/	4	/
	21-end	52.8	/	5	4	9.0	4.4	6.7	/	-1.7	28	2	28	6	-1.8	28	3	/	/	1.87	/	2	/
	Month	115.4	/	18	15	12.3	6.9	9.6	/	-1.7	28	3	161	40	-1.8	28	5	/	/	2.19	/	3	/
Mullingar e Co. Westmeath	1-10	5.5	-	4	2	13.9	7.5	10.7	-	0.5	01	0	63	13	-0.7	01	2	10.4	-	2.16	-	6	2
	11-20	62.5	-	8	8	12.5	4.7	8.6	-	0.7	20	0	42	4	-1.4	20	2	9.0	-	1.04	-	7	5
	21-end	30.4	-	7	7	7.1	1.9	4.5	-	-3.4	28	4	19	2	-6.3	28	5	5.6	-	2.37	-	4	2
	Month	98.4	111	19	17	11.1	4.7	7.9	+1.6	-3.4	28	4	124	19	-6.3	28	9	8.3	+2.3	1.86	93	6	9
Campile (Ballysop) Co. Wexford	1-10	1.7	/	3	0	14.0	8.8	11.4	/	3.4	01	0	70	17	-0.4	01	1	/	/	2.57	/	/	/
	11-20	44.4	/	10	7	12.6	7.6	10.1	/	0.6	20	0	57	10	-4.0	20	2	/	/	1.34	/	NA	/
	21-end	18.3	/	5	2	8.6	3.2	5.9	/	-1.9	26	2	24	3	-6.4	27	5	/	/	2.08	/	/	/
	Month	64.4	/	18	9	11.7	6.5	9.1	/	-1.9	26	2	151	30	-6.4	27	8	/	/	2.00	/	/	/
Clonroche Co. Wexford	1-10	3.0	/	4	1	13.5	7.6	10.6	/	2.2	09	0	62	11	-3.7	01	2	/	/	2.40	/	3	/
	11-20	56.1	/	7	6	12.1	6.1	9.1	/	0.3	20	0	47	6	-3.1	13	3	/	/	1.20	/	5	/
	21-end	31.1	/	6	3	7.8	2.0	4.9	/	-2.4	28	5	19	2	-6.9	28	5	/	/	2.06	/	3	/
	Month	90.2	/	17	10	11.1	5.3	8.2	/	-2.4	28	5	128	19	-6.9	28	10	/	/	1.89	/	4	/
Johnstown Castle Co. Wexford	1-10	2.6	-	4	1	13.7	9.4	11.5	/	5.1	01	0	72	16	0.5	09	0	/	/	2.23	/	5	/
	11-20	45.2	-	9	7	12.7	8.1	10.4	/	2.4	20	0	60	11	-0.5	20	2	/	/	1.52	/	7	/
	21-end	19.3	-	5	2	8.3	3.0	5.6	/	-3.4	30	3	22	4	-4.9	30	6	/	/	2.16	/	4	/
	Month	67.1	60	18	10	11.6	6.8	9.7	/	-3.4	30	3	154	31	-4.9	30	8	/	/	1.97	/	5	/
Rosslare e Co. Wexford	1-10	3.6	-	4	1	14.1	10.6	12.4	-	7.0	01	0	80	24	4.1	01	0	11.9	-	2.44	-	6	2
	11-20	38.7	-	8	7	13.3	7.8	10.6	-	3.2	20	0	62	11	0.4	20	0	10.4	-	1.38	-	8	8
	21-end	17.9	-	2	2	9.2	5.5	7.4	-	1.3	25	0	31	7	-2.4	29	3	7.2	-	1.89	-	6	4
	Month	60.2	58	14	10	12.2	8.0	10.1	+1.5	1.3	25	0	173	42	-2.4	29	3	9.8	+2.0	1.90	77	7	14

Notes on the tables in January issue

TABLE 2

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

NOVEMBER, 1978

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					
	11-20					
	21-end	-	NOT	AVAILABLE		
	Month					
Kinsealy* Co. Dublin	1-10	5160	4	2	34	-
	11-20	2999	8	-	12	22
	21-end	2751	-1	-	0	34
	Month	10910	11	-	-	-
Gahirciveen e (Valentia Obsy.) Co. Kerry	1-10	2971	-3	-	0	36
	11-20	2564	6	-	0	52
	21-end	2015	-5	-	0	77
	Month	7550	-2	-	-	-
Kilkenny e Co. Kilkenny	1-10	4261				
	11-20	2486				
	21-end	2633	-	-	-	-
	Month	9380				
Ballinamore Co. Leitrim	1-10		4	-	0	14
	11-20		2	-	0	47
	21-end	-	-1	-	0	44
	Month		5	-	-	-
Glenamoy/ Co. Mayo	1-10		3	-	0	46
	11-20		-8	-	0	155
	21-end		-2	-	0	31
	Month		-7	-	-	-
Birr e Co. Offaly	1-10	4588				
	11-20	2893				
	21-end	2790	-	-	-	-
	Month	10271				
Johnstown Castle Co. Wexford	1-10		11	7	47	-
	11-20		8	-	8	39
	21-end		4	-	0	15
	Month		23	-	-	-

*, /, See notes in January issue.