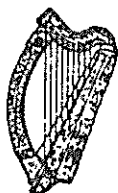


METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

AUGUST 1978

The Weather of August

During the first nine days, northwesterly winds prevailed and it was very cool and dull with rain at times. The bulk of the rain fell in thundery outbreaks between 4th and 6th when Munster and Leinster had heavier falls than Connaught and Ulster.

Between 10th and 22nd the weather was very changeable, the period 11th to 15th being particularly wet. With winds predominantly from the southwest, daytime temperatures were higher than between 1st and 9th. Fortunately for harvesters it was mainly dry between 23rd and 31st as a high pressure area was slow-moving off the west coast.

Mean Monthly Rainfall Amounts were less than 60% of normal in the north and northeast but exceeded 150% of normal in parts of the south and southwest. Valentia Observatory recorded 180% of normal rainfall but 61 mm or more than one third of the total fell on 11th. It was characteristic of the month's rainfall that a high proportion of the total fell on a few days. Dublin Airport, with just nine days when rainfall exceeded a millimetre, recorded 148% of normal rainfall. Soil moisture deficits were nil or small during the month. Conditions of persistent high humidity with outbreaks of heavy rain occurred on 4th and 5th, between 11th and 14th and at times between 18th and 22nd, these favoured the spread of septoria on wheat and of blight on potatoes.

Mean Monthly Air Temperatures ranged from 1.0°C below normal at Roche's Point to 0.1°C below normal at Clones and Shannon Airport but were mostly between 0.3°C and 0.7°C below normal. Night-time air temperatures were about normal for much of August, being noticeably below normal only on 9th, 10th, 13th, 17th, 23rd and between 25th and 28th. Maximum air temperatures were between 1.0°C and 2.5°C below normal in many areas during the first ten days. For the rest of the month daytime air temperatures were about normal in the north and in the west. In the south, east and midlands, while daytime temperatures rose gradually after 10th, they remained below normal. South Munster enjoyed most sunshine during the dry spell and maximum air temperatures at some inland stations here averaged more than 20°C between 21st and 31st and were above normal.

Soil temperatures at 10 cm. had monthly mean values which ranged from 1.0°C below normal at Rosslare to 0.5°C above normal at Malin Head. Values were near normal in western coastal counties, 0.4°C to 0.6°C below normal in the midlands and ranged from normal to 1.0°C below normal in the south, southeast and east.

Mean Daily Duration of Bright Sunshine ranged from 56% to 84% of normal generally but was 98% of normal at Valentia Observatory. Only on 10th and 26th were conditions sunny over most of the country. Even the dry spell between 23rd and 31st was overall rather dull except in parts of Munster.

Summary August was cool and very dull.

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

AUGUST 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 ABOVE 4.0°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	47.5	/	4	3	17.5	11.6	14.5	/	10.0	04	0	101	45	5.5	04	0	/	/	2.23	/	2	/
	11-20	40.4	/	7	6	18.3	10.4	14.4	/	7.8	17	0	100	44	2.6	17	0	/	/	3.00	/	4	/
	21-end	5.3	/	1	1	19.1	11.4	15.3	/	7.5	27	0	120	58	3.4	27	0	/	/	4.61	/	2	/
	Month	93.2	/	12	10	18.3	11.1	14.7	/	7.5	27	0	321	147	2.6	17	0	/	/	3.32	/	3	/
Shannon Airport Co. Clare	1-10	46.1	-	6	3	17.4	11.9	14.7	-	8.5	10	0	103	47	2.8	10	0	16.0	-	1.97	-	4	0
	11-20	33.9	-	7	6	18.2	12.9	15.5	-	11.5	20	0	112	56	8.0	17	0	16.4	-	3.61	-	5	0
	21-end	14.6	-	1	1	19.6	12.1	15.8	-	9.0	28	0	126	64	7.4	26	0	17.3	-	4.61	-	3	0
	Month	94.6	115	14	10	18.4	12.3	15.4	-0.1	8.5	10	0	341	167	2.8	10	0	16.6	-0.1	3.44	69	4	0
Fermoy (Moore Park) Co. Cork	1-10	34.1	/	5	5	17.0	11.0	14.0	/	8.4	10	0	97	41	5.0	10	0	/	/	2.90	/	3	/
	11-20	50.6	/	7	6	18.4	10.1	14.3	/	5.1	20	0	99	43	4.5	20	0	/	/	NA	/	3	/
	21-end	6.6	/	1	1	20.2	10.2	15.1	/	7.0	23	0	119	57	4.9	23	0	/	/	5.22	/	2	/
	Month	91.3	/	13	12	18.6	10.4	14.5	/	5.1	20	0	315	141	4.5	20	0	/	/	-	/	3	/
Mallow Co. Cork	1-10	23.1	-	6	4	17.3	10.0	13.6	/	6.0	09	0	92	36	1.2	10	0	/	/	1.78	/	/	/
	11-20	28.8	-	7	5	18.7	10.8	14.7	/	5.7	20	0	103	47	0.8	20	0	/	/	3.03	/	/	/
	21-end	6.5	-	1	1	20.7	10.5	15.6	/	5.1	23	0	123	62	0.1	23	0	/	/	4.42	/	/	/
	Month	58.4	69	14	10	18.9	10.4	14.7	/	5.1	23	0	318	145	0.1	23	0	/	/	3.12	/	/	/
Roche's Point Co. Cork	1-10	21.9	-	5	4	16.6	11.7	14.2	-	9.5	09	0	98	42	7.3	09	0	15.3	-	3.51	-	6	1
	11-20	84.3	-	6	6	16.6	12.2	14.4	-	10.0	20	0	100	44	4.6	20	0	15.4	-	3.78	-	6	0
	21-end	4.5	-	2	2	17.6	12.4	15.0	-	9.9	23	0	116	55	7.4	23	0	17.0	-	5.75	-	4	0
	Month	110.7	148	13	12	16.9	12.1	14.5	-1.0	9.5	09	0	314	141	4.6	20	0	15.9	-0.5	4.39	78	5	1
Glencolumbkille Co. Donegal	1-10	24.6	/	9	5	15.5	11.0	13.2	/	7.0	10	0	88	32	1.4	10	0	/	/	1.81	/	3	/
	11-20	69.5	/	9	7	17.5	11.9	14.7	/	10.5	13	0	103	47	4.8	13	0	/	/	4.42	/	3	/
	21-end	39.1	/	7	3	15.9	11.1	13.5	/	7.3	26	0	101	39	2.5	26	0	/	/	2.91	/	2	/
	Month	132.2	/	25	15	16.3	11.3	13.8	/	7.0	10	0	292	118	1.4	10	0	/	/	3.04	/	3	/
Glenties Co. Donegal	1-10	22.3	-	8	6	16.2	10.6	13.4	/	6.5	10	0	90	34	0.5	10	0	/	/	1.43	/	/	/
	11-20	58.2	-	8	7	18.2	10.3	14.2	/	7.5	17	0	98	42	2.0	13	0	/	/	3.85	/	/	/
	21-end	31.8	-	8	6	17.8	9.7	13.8	/	4.0	26	0	103	42	-1.5	26	2	/	/	3.05	/	/	/
	Month	112.3	89	24	19	17.4	10.2	13.8	/	4.0	26	0	291	118	-1.5	26	2	/	/	2.79	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

AUGUST 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 Co. Donegal	1-10	2.6	-	5	0	15.2	11.8	13.5	-	10.3	10	0	91	35	8.4	10	0	16.2	-	2.01	-	5	0
	11-20	49.0	-	7	6	17.6	11.8	14.7	-	9.7	13	0	103	47	7.2	20	0	15.7	-	3.41	-	6	3
	21-end	24.5	-	6	3	15.1	11.9	13.5	-	10.9	22	0	100	40	7.4	22	0	15.1	-	2.49	-	5	0
	Month	76.1	83	18	9	15.9	11.8	13.9	-0.3	9.7	13	0	294	122	7.2	20	0	15.6	+0.5	2.63	56	5	3
Dublin Airport Co. Dublin	1-10	57.5	-	4	2	16.7	11.3	14.0	-	9.2	04	0	96	40	6.6	04	0	16.3	-	2.29	-	3	0
	11-20	56.4	-	8	6	18.4	11.5	15.0	-	8.9	17	0	106	50	3.6	11	0	16.0	-	4.30	-	4	0
	21-end	2.8	-	2	1	18.3	11.5	14.9	-	7.5	26	0	116	54	3.4	26	0	17.2	-	4.03	-	3	0
	Month	116.7	148	14	9	17.8	11.4	14.6	-0.4	7.5	26	0	318	144	3.4	26	0	16.5	0.0	3.55	68	3	0
Kinsealy Co. Dublin	1-10	36.9	/	5	2	17.0	11.0	14.0	/	8.8	04	0	96	40	8.0	04	0	/	/	2.14	/	3	/
	11-20	47.8	/	6	5	18.6	10.8	14.7	/	6.8	11	0	103	47	1.9	11	0	/	/	3.93	/	3	/
	21-end	2.2	/	2	1	18.1	NA	-	/	NA	NA	NA	NA	NA	NA	NA	NA	/	/	3.57	/	3	/
	Month	86.9	/	13	8	17.9	-	-	/	-	-	-	-	-	-	-	-	/	/	3.23	/	3	/
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	68.8	/	5	4	16.9	11.2	14.1	/	9.2	04	0	97	41	7.3	04	0	/	/	1.98	/	2	/
	11-20	35.5	/	8	6	18.4	10.8	14.6	/	5.5	11	0	102	46	4.4	11	0	/	/	3.23	/	3	/
	21-end	2.4	/	1	1	18.2	11.3	14.7	/	5.4	26	0	114	52	4.9	26	0	/	/	3.36	/	2	/
	Month	106.7	/	14	11	17.8	11.1	14.5	/	5.4	26	0	313	139	4.4	11	0	/	/	2.87	/	2	/
Galway (Univ. Coll.) Co. Galway	1-10	39.1	/	6	3	17.3	11.4	14.3	/	8.6	10	0	100	44	/	/	/	/	2.48	/	/	/	/
	11-20	61.2	/	8	7	17.5	13.1	15.3	/	11.7	16	0	109	53	/	/	/	/	4.60	/	/	/	/
	21-end	6.4	/	1	1	18.1	12.4	15.2	/	8.7	26	0	119	58	NA	NA	/	/	NA	/	NA	/	/
	Month	106.7	/	15	11	17.6	12.3	15.0	/	8.6	10	0	328	155	/	/	/	/	-	/	-	/	/
Killarney (Muckross Hse) Co. Kerry	1-10	44.9	/	8	6	16.4	11.4	13.9	/	7.5	10	0	95	39	5.6	10	0	/	/	2.27	/	/	/
	11-20	42.1	/	5	5	17.9	12.9	15.4	/	11.2	20	0	110	54	7.8	20	0	/	/	3.45	/	/	/
	21-end	11.2	/	3	1	19.7	11.2	15.4	/	6.1	23	0	122	61	4.8	23	0	/	/	5.05	/	/	/
	Month	98.2	/	16	12	18.0	11.8	14.9	/	6.1	23	0	327	154	4.8	23	0	/	/	3.64	/	/	/
Cahiriveen (Valentia Obsy.) Co. Kerry	1-10	44.9	-	7	6	16.1	11.6	13.8	-	9.5	10	0	95	39	7.8	10	0	16.0	-	3.61	-	4	1
	11-20	110.2	-	7	6	17.4	13.0	15.2	-	11.4	12	0	108	52	8.1	12	0	16.3	-	3.73	-	6	2
	21-end	24.4	-	3	2	18.3	10.6	14.5	-	7.6	23	0	111	50	5.9	23	0	17.0	-	6.71	-	3	0
	Month	179.5	180	17	14	17.3	11.7	14.5	-0.9	7.6	23	0	314	141	5.9	23	0	16.5	0.0	4.75	98	4	3

Notes on the tables in January issue

TABLE 1 (Continued)

AUGUST 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	37.3	/	8	7	17.0	11.2	14.1	/	8.8	10	0	98	42	5.3	10	0	/	/	NA	/	/	/	/
	11-20	41.9	/	5	5	18.7	13.0	15.9	/	11.7	20	0	115	59	8.9	15	0	/	/	NA	/	/	/	/
	21-end	17.7	/	3	2	20.0	11.4	15.7	/	6.7	23	0	124	63	4.2	23	0	/	/	NA	/	/	/	/
	Month	96.9	/	16	14	18.6	11.8	15.2	/	6.7	23	0	337	164	4.2	23	0	/	/	-	/	/	/	/
Lullymore Co. Kildare	1-10	68.6	/	7	4	16.7	10.7	13.7	/	8.5	04	0	93	37	3.0	04	0	/	/	NA	/	/	3	/
	11-20	31.9	/	8	6	17.9	9.8	13.8	/	7.0	17	0	95	39	NA	NA	NA	/	/	NA	/	/	4	/
	21-end	1.6	/	1	1	NA	NA	-	/	NA	-	NA	NA	NA	NA	NA	NA	/	/	NA	/	/	3	/
	Month	102.1	/	16	11	-	-	-	/	-	-	-	-	-	-	-	-	-	/	/	NA	/	/	3
Kilkenny Co. Kilkenny	1-10	36.7	-	6	6	17.4	11.6	14.5	-	10.0	07	0	101	45	6.8	07	0	15.7	-	1.43	-	2	0	/
	11-20	41.2	-	6	6	18.1	10.4	14.2	-	6.1	20	0	99	43	3.1	13	0	15.4	-	2.97	-	3	1	/
	21-end	7.0	-	2	1	19.2	11.0	15.1	-	7.3	27	0	117	56	4.5	26	0	17.6	-	5.20	-	2	0	/
	Month	84.9	118	14	13	18.2	11.0	14.6	-0.6	6.1	20	0	317	144	3.1	13	0	16.3	-0.6	3.26	62	2	1	/
Mooncoin (Silverspring) Co. Kilkenny	1-10	19.9	/	5	4	17.3	11.1	14.2	/	8.4	04	0	99	43	4.6	04	0	/	/	2.16	/	/	/	/
	11-20	57.0	/	7	6	18.4	10.3	14.3	/	6.2	17	0	100	44	1.2	17	0	/	/	3.07	/	/	/	/
	21-end	6.4	/	1	1	19.8	10.7	15.3	/	5.9	27	0	120	58	1.5	23	0	/	/	4.82	/	/	/	/
	Month	83.3	/	13	11	18.6	10.7	14.6	/	5.9	27	0	319	145	1.2	17	0	/	/	3.40	/	/	/	/
Ballinamore Co. Leitrim	1-10	17.0	/	4	2	17.2	10.0	13.6	/	5.9	10	0	92	36	0.3	10	0	/	/	2.33	/	/	2	/
	11-20	50.3	/	8	7	18.1	10.5	14.3	/	8.0	13	0	99	43	2.1	11	0	/	/	3.23	/	/	3	/
	21-end	5.2	/	2	1	18.0	11.2	14.6	/	8.7	26	0	112	51	1.7	28	0	/	/	4.03	/	/	2	/
	Month	72.5	/	14	10	17.8	10.6	14.2	/	5.9	10	0	303	130	0.3	10	0	/	/	3.22	/	/	2	/
Ardee (Boharnamoe) Co. Louth	1-10	23.4	/	3	2	17.8			/									/	/		/	/	/	/
	11-20	29.1	/	9	8	19.0	NA	NA	/	NA	NA	NA	NA	NA	NA	NA	NA	/	/		/	/	/	/
	21-end	3.4	/	1	1	NA			/									/	/		/	/	/	/
	Month	55.9	/	13	11	-			/										/	/		/	/	/
Ballinrobe (Creagh) Co. Mayo	1-10	28.1	/	2	2	17.7	10.7	14.2	/	6.2	10	0	98	42	3.1	10	0	/	/	1.82	/	/	2	/
	11-20	50.9	/	7	5	18.1	11.4	14.7	/	8.6	12	0	103	47	5.1	13	0	/	/	4.94	/	/	3	/
	21-end	7.3	/	1	1	18.4	10.7	14.5	/	5.3	26	0	107	50	3.7	26	0	/	/	NA	/	/	2	/
	Month	86.3	/	10	8	18.1	10.9	14.5	/	5.3	26	0	308	139	3.1	10	0	/	/	-	/	/	2	/

Notes on the tables in January issue

TABLE 1 (Continued)

August, 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
Belmullet e Co. Mayo	1-10	10.3	-	5	2	15.8	10.5	13.2	-	7.1	04	0	88	32	3.9	04	0	15.6	-	1.54	-	5	1
	11-20	51.6	-	7	6	16.9	12.0	14.5	-	10.6	12	0	101	45	6.8	12	0	16.1	-	5.09	-	7	2
	21-end	18.1	-	3	1	16.5	11.4	13.9	-	8.1	28	0	105	44	5.1	28	0	16.3	-	4.05	-	4	0
	Month	80.0	87	15	9	16.4	11.3	13.9	-0.8	7.1	04	0	294	121	3.9	04	0	16.0	0.0	3.58	70	5	3
Claremorris e Co. Mayo	1-10	14.3	-	5	3	16.9	10.1	13.5	-	7.1	10	0	92	36	2.6	04	0	15.2	-	2.31	-	3	0
	11-20	43.0	-	7	7	17.9	10.9	14.4	-	9.0	13	0	100	44	5.3	13	0	15.5	-	4.60	-	4	1
	21-end	7.4	-	4	1	18.1	10.7	14.4	-	5.8	26	0	111	49	3.4	26	0	16.2	-	3.92	-	2	0
	Month	64.7	67	16	11	17.7	10.6	14.1	-0.3	5.8	26	0	303	129	2.6	04	0	15.7	+0.2	3.62	84	3	1
Glenamoy Co. Mayo	1-10	17.7	/	8	5	16.2	10.2	13.2	/	6.9	04	0	88	32	3.9	10	0	/	/	1.64	/	/	/
	11-20	76.4	/	8	8	17.4	11.6	14.5	/	10.1	12	0	101	45	8.4	12	0	/	/	4.13	/	NA	/
	21-end	24.0	/	5	2	16.8	10.7	13.7	/	5.9	26	0	103	41	2.8	26	0	/	/	3.62	/	NA	/
	Month	118.1	/	21	15	16.8	10.8	13.8	/	5.9	26	0	292	118	2.8	26	0	/	/	3.15	/	NA	/
Dunsany (Grange) Co. Meath	1-10	23.9	-	3	3	17.3	/	/	/	/	/	/	/	/	/	/	/	/	/	2.06	/	/	/
	11-20	26.5	-	8	7	17.9	NA	-	/	NA	NA	NA	NA	NA	NA	NA	NA	/	/	3.09	/	NA	/
	21-end	2.0	-	1	1	17.8	NA	-	/	NA	NA	NA	NA	NA	NA	NA	NA	/	/	3.42	/	NA	/
	Month	52.4	66	12	11	17.7	/	/	/	/	/	/	/	/	/	/	/	/	/	2.87	/	NA	/
Clones e Co. Monaghan	1-10	16.5	-	4	2	16.6	10.9	13.7	-	10.1	04	0	94	38	4.6	05	0	14.8	-	1.68	-	2	0
	11-20	34.4	-	8	7	17.7	10.7	14.2	-	8.0	13	0	98	42	2.7	13	0	14.9	-	3.26	-	4	1
	21-end	4.0	-	2	1	18.0	10.9	14.5	-	6.0	26	0	111	50	0.6	26	0	15.5	-	4.15	-	2	0
	Month	54.9	57	14	10	17.5	10.8	14.2	-0.1	6.0	26	0	303	130	0.6	26	0	15.1	-0.6	3.06	78	3	1
Birr e Co. Offaly	1-10	20.2	-	6	3	16.8	10.6	13.7	-	6.9	10	0	93	37	2.5	10	0	15.7	-	1.66	-	3	1
	11-20	34.4	-	7	5	18.1	11.3	14.7	-	9.3	20	0	103	47	6.0	20	0	15.6	-	3.39	-	4	1
	21-end	6.5	-	2	1	18.1	11.3	14.7	-	6.6	28	0	113	52	4.4	28	0	17.0	-	4.03	-	2	0
	Month	61.1	73	15	9	17.7	11.1	14.4	-0.7	6.6	28	0	309	136	2.5	10	0	16.1	-0.4	3.06	62	3	2
Thurles Co. Tipperary	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

AUGUST 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 MTN.	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								
Dungarvan (Ballygagin) Co. Waterford	1-10	15.6	/	4	3	17.6	12.2	14.9	/	11.1	08	0	106	50	9.5	04	0	/	/	NA	/	2	/				
	11-20	82.4	/	7	6	18.3	10.9	14.6	/	8.8	20	0	106	50	7.9	17	0	/	/	3.79	/	2	/				
	21-end	5.6	/	1	1	19.2	11.9	15.5	/	8.1	23	0	122	61	8.1	23	0	/	/	5.93	/	1	/				
	Month	103.6	/	12	10	18.4	11.7	15.0	/	8.1	23	0	334	161	7.9	17	0	/	/	-	/	2	/				
Mullingar ^e Co. Westmeath	1-10	17.2	-	6	4	16.6	10.1	13.3	-	6.7	04	0	90	34	4.0	04	0	15.2	-	2.64	-	3	0				
	11-20	39.7	-	8	6	17.6	9.9	13.7	-	6.3	17	0	94	38	3.9	17	0	15.0	-	2.88	-	5	1				
	21-end	3.1	-	2	1	17.6	10.5	14.1	-	6.4	28	0	107	45	4.1	26	0	15.9	-	3.74	-	3	0				
	Month	60.0	68	16	11	17.3	10.2	13.7	-0.5	6.3	17	0	291	117	3.9	17	0	15.4	-0.6	3.11	67	4	1				
Campile (Ballysop) Co. Wexford	1-10	15.4	/	7	3	17.1	11.4	14.2	/	9.8	08	0	99	43	6.9	07	0	/	/	1.86	/	NA	/				
	11-20	65.7	/	6	6	17.2	11.1	14.2	/	8.5	17	0	98	42	3.5	17	0	/	/	3.34	/	NA	/				
	21-end	6.0	/	2	1	19.1	11.0	15.0	/	7.9	27	0	117	56	5.3	27	0	/	/	4.89	/	NA	/				
	Month	87.1	/	15	10	17.8	11.2	14.5	/	7.9	27	0	314	141	3.5	17	0	/	/	3.41	/	NA	/				
Clonroche Co. Wexford	1-10	/	/	/	/	/	/	/	/	NOT AVAILABLE														/	/	/	/
	11-20	/	/	/	/	/	/	/	/	NOT AVAILABLE														/	/	/	/
	21-end	/	/	/	/	/	/	/	/	NOT AVAILABLE														/	/	/	/
	Month	/	/	/	/	/	/	/	/	NOT AVAILABLE														/	/	/	/
Johnstown Castle Co. Wexford	1-10	18.6	-	6	3	17.0	11.7	14.4	/	10.3	08	0	100	44	5.6	04	0	/	/	2.38	/	1	/				
	11-20	81.9	-	6	6	17.2	11.5	14.3	/	9.3	17	0	99	43	3.0	17	0	/	/	4.16	/	2	/				
	21-end	6.3	-	1	1	17.3	11.5	14.4	/	9.0	26	0	109	48	4.9	29	0	/	/	4.60	/	1	/				
	Month	106.8	119	13	10	17.2	11.5	14.4	/	9.0	26	0	308	135	3.0	17	0	/	/	3.74	/	1	/				
Rosslare ^e Co. Wexford	1-10	13.0	-	5	3	16.9	12.3	14.6	-	11.0	08	0	103	47	9.4	08	0	16.2	-	2.55	-	4	1				
	11-20	53.8	-	5	5	17.5	12.0	14.8	-	9.6	17	0	104	48	4.6	20	0	15.8	-	4.96	-	5	0				
	21-end	6.8	-	2	2	17.1	12.5	14.8	-	11.3	23	0	115	53	7.4	23	0	16.9	-	4.73	-	4	0				
	Month	73.6	104	12	10	17.2	12.3	14.7	-0.7	9.6	17	0	322	148	4.6	20	0	16.3	-1.0	4.10	64	4	1				

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 11-20 21-end Month	-		NOT AVAILABLE		
Kinsealy* Co. Dublin	1-10 11-20 21-end Month	11493 13255 14339 39087	17 13 20 50	- - 18 -	32 0 18 -	25 35 - -
Cahirciveen e (Valentia Obsy.) Co. Kerry	1-10 11-20 21-end Month	13614 12301 17109 43024	16 20 22 58	- - - -	0 0 0 -	25 93 5 -
Kilkenny e Co. Kilkenny	1-10 11-20 21-end Month	10912 12177 16413 39502	-	-	-	-
Ballinamore Co. Leitrim	1-10 11-20 21-end Month	-	17 18 18 53	- - 13 -	35 1 13 -	1 34 - -
Glenamoy/ Co. Mayo	1-10 11-20 21-end Month	-	13 17 18 48	- - - -	0 0 0 -	5 59 6 -
Birr e Co. Offaly	1-10 11-20 21-end Month	11049 12000 13994 37043	-	-	-	-
Johnstown Castle Co. Wexford	1-10 11-20 21-end Month	-	26 22 26 74	7 - 19 -	29 0 19 -	- 60 - -

*, /, See notes in January issue.