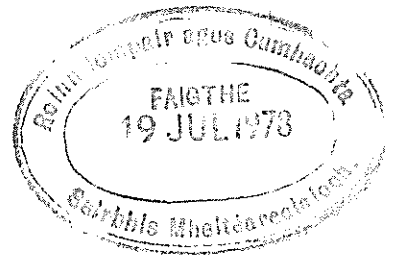
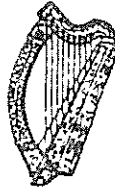


# METEOROLOGICAL SERVICE



## AGROMETEOROLOGICAL BULLETIN

JUNE 1978

### The Weather of June

Between 1st and 3rd it was warm and dry but from 4th to 7th dull conditions with spells of rain caused a drop in temperature as winds changed gradually from a southerly to a northwesterly direction. A dry spell between 8th and 13th was followed by occasional rain between 14th and 16th. The dry, sunny, warm weather of 17th and 18th gave way during 19th to a cool, dull, showery northwesterly windflow which prevailed until the end of the month.

Mean Monthly Rainfall Amounts were between 60% and 90% of normal generally but ranged from less than 50% of normal at Kilkenny to 116% of normal at Valentia Observatory. Wettest spells were between 4th and 7th and from 20th to 23rd when conditions were suitable for the spread of septoria on cereals. With further wet weather at the end of the month both septoria and rynchospodium infection levels were showing signs of increasing. Surprisingly, powdery mildew, whose spread was favoured by the fairly warm, dry weather between 1st and 3rd, 10th and 13th and 16th to 19th, did not show much sign of spread until the end of the month when conditions were unfavourable. As cool and occasionally humid westerlies dominated the June weather pattern, western coastal counties had more than the usual number of hours favourable to the spread of potato blight. The midlands, east and south continued to escape with little or no blight weather. Soil moisture deficits remained about 50mm (2 inches) in the west for most of the month but decreased in the last ten days. In the east and south soil moisture deficits were about 60mm.

Mean Monthly Air Temperatures ranged from 0.6°C to 1.3°C below normal. However, at Malin Head they were only 0.2°C below normal due to very warm conditions between 1st and 4th. Day-time maximum temperatures were about 2°C below normal between 7th and 10th, on 15th and from 20th to 27th. With few exceptions nights were cool between 9th and 27th and ground frost was recorded in places on 9th, 11th, 13th, 14th, 18th, 20th, 23rd, 25th and 26th. In most areas ground temperatures did not fall below -2°C but in a few places 3°C to 4.5°C of ground frost were recorded. Mean monthly soil temperatures at 10cm (4 inches) ranged from 0.1°C to 0.5°C below normal except at Malin Head where they were 0.2°C above normal. Soil temperatures were 2°C to 4°C higher than normal during the first five days but were 1.5°C to 3.5°C below normal during the last ten days.

Mean Monthly Duration of Bright Sunshine was well below normal in most places. Values ranged from 65% to 85% of normal generally and exceeded 90% only at Valentia Observatory.

Strong Winds affected many areas on 5th, 16th and 23rd.

Summary. June was very cool and dull but rainfall was 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

June, 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 <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°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	10.9	/	6	5	17.9	9.9	13.9	/	7.5	10	0	95	39	3.3	09	0	/	/	4.70	/	3	/
	11-20	13.3	/	3	3	17.7	6.6	12.1	/	4.3	20	0	78	22	1.2	11	0	/	/	7.39	/	3	/
	21-end	13.3	/	4	4	16.0	8.3	12.1	/	5.0	23	0	78	23	2.0	23	0	/	/	2.45	/	3	/
	Month	37.5	/	13	12	17.2	8.3	12.7	/	4.3	20	0	251	84	1.2	11	0	/	/	4.85	/	3	/
Shannon Airport Co. Clare	1-10	20.7	-	5	5	17.6	11.8	14.7	-	9.9	10	0	103	47	7.3	09	0	16.7	-	3.22	-	6	0
	11-20	13.0	-	5	3	18.3	8.6	13.4	-	7.0	13	0	91	35	2.2	13	0	16.6	-	7.40	-	4	0
	21-end	16.2	-	8	6	15.5	9.7	12.6	-	7.2	24	0	82	26	3.1	25	0	14.8	-	3.67	-	6	0
	Month	49.9	80	18	14	17.2	10.0	13.6	-0.7	7.0	13	0	276	108	2.2	13	0	16.0	-0.5	4.76	79	5	0
Fermoy (Moore Park) Co. Cork	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Mallow Co. Cork	1-10	26.3	-	6	3	17.4	10.0	13.7	/	3.0	09	0	92	37	1.0	09	0	/	/	3.72	/	/	/
	11-20	13.6	-	3	3	18.7	6.6	12.6	/	4.4	13	0	83	27	0.1	14	0	/	/	8.56	/	/	/
	21-end	13.9	-	8	4	15.7	8.3	12.0	/	5.0	24	0	76	21	1.0	24	0	/	/	3.49	/	/	/
	Month	53.8	98	17	10	17.3	8.3	12.8	/	3.0	09	0	251	85	0.1	14	0	/	/	5.26	/	/	/
Roche's Point Co. Cork	1-10	26.5	-	6	3	16.5	11.8	14.2	-	8.1	09	0	98	42	5.1	09	0	16.2	-	4.36	-	6	1
	11-20	11.6	-	5	4	17.1	9.3	13.2	-	8.0	15	0	88	32	2.6	14	0	16.1	-	8.72	-	5	1
	21-end	16.3	-	6	4	15.7	9.6	12.6	-	6.8	24	0	83	27	4.5	24	0	14.7	-	4.16	-	6	3
	Month	54.4	101	17	11	16.4	10.2	13.3	-0.6	6.8	24	0	269	101	2.6	14	0	15.7	-0.3	5.75	87	6	5
Glencolumbkille Co. Donegal	1-10	29.4	/	6	4	16.8	11.7	14.2	/	8.5	10	0	99	43	5.6	09	0	/	/	5.22	/	4	/
	11-20	26.9	/	6	5	14.8	8.7	11.8	/	6.5	18	0	74	18	2.5	18	0	/	/	5.88	/	3	/
	21-end	55.9	/	10	8	13.1	9.0	11.0	/	6.5	22	0	67	11	4.9	22	0	/	/	3.09	/	4	/
	Month	112.2	/	22	17	14.9	9.8	12.3	/	6.5	22	0	240	72	2.5	18	0	/	/	4.73	/	4	/
Glenties Co. Donegal	1-10	21.6	-	6	4	17.4	11.2	14.3	/	8.2	09	0	99	43	4.8	09	0	/	/	5.11	/	/	/
	11-20	30.8	-	5	4	15.7	7.5	11.6	/	3.6	13	0	72	16	-1.7	18	3	/	/	5.73	/	/	/
	21-end	41.4	-	10	8	13.5	8.0	10.8	/	5.0	23	0	64	10	-0.3	23	1	/	/	2.13	/	/	/
	Month	93.8	99	21	16	15.5	8.9	12.2	/	3.6	13	0	235	69	-1.7	18	4	/	/	4.32	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

June, 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 <sup>-1</sup> )	DAYS WITH GALE GUSTS			
						MEAN MAX.	MEAN MIN.	MEAN DAILY	ANT. 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
Tralee (Caherwessheen) Co. Kerry	1-10	34.1	/	4	4	17.8	11.6	14.7	/	9.9	10	0	104	48	7.6	01	0	/	/	4.60	/	/	/
	11-20	18.2	/	2	2	17.6	9.0	13.3	/	7.8	14	0	89	33	2.7	18	0	/	/	6.09	/	/	/
	21-end	37.6	/	8	7	15.2	10.1	12.6	/	6.7	24	0	83	27	5.9	24	0	/	/	2.97	/	/	/
	Month	89.9	/	14	13	16.9	10.2	13.6	/	6.7	24	0	276	108	2.7	18	0	/	/	4.55	/	/	/
Lullymore Co. Kildare	1-10	17.7	/	5	4	17.7	8.4	13.1	/	4.5	03	0	87	31	-0.5	03	1	/	/	4.92	/	4	/
	11-20	16.1	/	5	3	17.2	5.7	11.4	/	0.3	13	0	72	18	-4.4	20	3	/	/	7.14	/	4	/
	21-end	20.9	/	7	5	15.4	7.2	11.3	/	3.9	26	0	69	16	-1.9	23	2	/	/	2.24	/	4	/
	Month	54.7	/	17	12	16.8	7.1	11.9	/	0.3	13	0	228	65	-4.4	20	6	/	/	4.77	/	4	/
Kilkenny Co. Kilkenny	1-10	8.5	-	6	3	17.7	10.1	13.9	-	6.5	03	0	95	39	3.0	03	0	17.1	-	2.90	-	3	1
	11-20	4.3	-	4	2	18.2	7.2	12.7	-	4.0	14	0	83	28	-1.0	14	2	17.4	-	7.31	-	3	1
	21-end	12.5	-	7	4	16.3	8.4	12.4	-	5.6	24	0	80	24	1.1	25	0	14.9	-	1.98	-	3	1
	Month	25.3	47	17	9	17.4	8.6	13.0	-0.9	4.0	14	0	258	91	-1.0	14	2	16.5	-0.5	4.06	66	3	3
Mooncoin (Silverspring) Co. Kilkenny	1-10	15.2	/	4	3	17.8	9.8	13.8	/	5.3	09	0	94	38	-1.9	09	1	/	/	5.02	/	/	/
	11-20	18.0	/	4	3	18.5	7.1	12.8	/	2.9	14	0	84	28	-1.6	13	2	/	/	6.85	/	/	/
	21-end	15.3	/	6	4	16.7	7.4	12.0	/	3.9	25	0	77	21	-1.2	25	2	/	/	4.38	/	/	/
	Month	48.5	/	14	10	17.6	8.1	12.9	/	2.9	14	0	255	87	-1.9	09	5	/	/	5.42	/	/	/
Ballinamore Co. Leitrim	1-10	21.6	/	4	4	17.7	9.6	13.6	/	7.1	08	0	93	37	4.4	09	0	/	/	5.32	/	3	/
	11-20	26.4	/	5	4	17.0	7.1	12.0	/	4.9	20	0	76	21	-0.4	20	1	/	/	5.69	/	2	/
	21-end	17.4	/	7	3	14.7	8.0	11.3	/	4.4	23	0	69	16	-0.6	26	1	/	/	2.40	/	3	/
	Month	65.4	/	16	11	16.4	8.2	12.3	/	4.4	23	0	238	74	-0.6	26	2	/	/	4.47	/	3	/
Ardee (Boharnamoe) Co. Louth	1-10	11.2	/	4	4	17.6	9.5	13.5	/	5.1	08	0	92	36	0.2	08	0	/	/	/	/	/	/
	11-20	14.4	/	4	3	17.2	6.2	11.7	/	2.2	13	0	73	18	-2.2	13	2	/	/	/	/	/	/
	21-end	17.5	/	6	5	15.4	7.0	11.2	/	2.2	23	0	69	16	1.8	25	0	/	/	/	/	/	/
	Month	43.1	/	14	12	16.8	7.5	12.1	/	2.2	23	0	234	70	-2.2	13	2	/	/	/	/	/	/
Ballinrobe (Creagh) Co. Mayo	1-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	11-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	21-end	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Month	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Notes on the tables in January issue

TABLE 1 (Continued)

June, 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 <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°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	13.7	-	5	4	17.2	10.8	14.0	-	8.4	09	0	98	42	7.6	09	0	16.6	-	5.40	-	7	3
	11-20	12.2	-	5	4	13.2	9.8	11.5	-	8.5	18	0	71	15	5.0	17	0	15.4	-	5.13	-	6	0
	21-end	31.0	-	9	7	13.1	9.5	11.3	-	7.6	23	0	69	14	6.9	24	0	13.9	-	2.95	-	7	2
	Month	56.9	81	19	15	14.5	10.0	12.3	-0.2	7.6	23	0	238	71	5.0	17	0	15.3	+0.2	4.49	76	7	5
Dublin Airport Co. Dublin	1-10	7.4	-	3	2	17.4	10.3	13.9	-	7.1	08	0	95	39	6.5	08	0	17.2	-	4.46	-	4	0
	11-20	18.1	-	3	3	16.9	8.6	12.7	-	5.4	13	0	84	28	2.9	13	0	16.8	-	6.82	-	4	1
	21-end	12.4	-	6	3	15.5	8.5	12.0	-	4.7	24	0	76	22	3.5	24	0	14.7	-	1.38	-	5	0
	Month	37.9	69	12	8	16.6	9.1	12.9	-0.7	4.7	24	0	255	89	2.9	13	0	16.3	-0.3	4.22	65	4	1
Kinsealy Co. Dublin	1-10	7.7	/	3	3	16.9	9.3	13.1	/	6.0	09	0	87	31	1.9	09	0	/	/	5.25	/	4	/
	11-20	17.6	/	4	4	16.5	7.5	12.0	/	3.5	13	0	76	20	-0.6	20	2	/	/	7.03	/	3	/
	21-end	11.9	/	5	3	16.1	8.0	12.1	/	4.5	24	0	76	21	2.9	23	0	/	/	1.75	/	5	/
	Month	37.2	/	12	10	16.5	8.3	12.4	/	3.5	13	0	239	72	-0.6	20	2	/	/	4.68	/	4	/
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	9.2	/	NA	NA	NA	-	NA	/	NA	-	-	-	NA	-	-	-	/	/	NA	/	3	/
	11-20	18.0	/	4	4	17.0	7.4	12.2	/	2.6	13	0	78	22	1.0	13	0	/	/	6.14	/	3	/
	21-end	18.7	/	6	6	15.3	8.1	11.7	/	4.5	24	0	73	20	3.2	23	0	/	/	1.89	/	3	/
	Month	45.9	/	-	-	-	-	-	/	-	-	-	-	-	-	-	-	/	/	-	/	3	/
Galway (Univ. Coll.) Co. Galway	1-10	19.8	/	5	4	17.5	11.7	14.6	/	9.0	10	0	102	46	/	/	/	/	/	3.65	/	NA	/
	11-20	11.2	/	4	3	17.3	8.6	13.0	/	6.0	13	0	86	30	NA	NA	/	/	/	7.76	/	NA	/
	21-end	14.6	/	7	5	14.4	9.3	11.8	/	5.6	24	0	76	20	/	/	/	/	/	2.84	/	/	/
	Month	45.6	/	16	12	16.4	9.9	13.1	/	5.6	24	0	264	96	/	/	/	/	/	4.75	/	/	/
Killarney (Muckross Hse) Co. Kerry	1-10	41.6	/	5	3	16.5	10.8	13.6	/	7.4	09	0	93	37	4.0	09	0	/	/	4.60	/	/	/
	11-20	12.5	/	5	4	17.4	7.8	12.6	/	6.4	11	0	82	26	NA	NA	/	/	/	5.98	/	/	/
	21-end	36.2	/	7	5	14.7	9.2	11.9	/	6.8	24	0	76	20	NA	NA	/	/	/	2.22	/	/	/
	Month	90.3	/	17	12	16.2	9.3	12.7	/	6.4	11	0	251	83	-	-	/	/	/	4.27	/	/	/
Cahirdivoon (Valentia Obsy.) Co. Kerry	1-10	37.0	-	6	4	16.7	11.1	13.9	-	8.8	10	0	95	39	6.2	09	0	16.7	-	3.60	-	6	3
	11-20	15.0	-	5	3	16.7	8.7	12.7	-	6.8	18	0	83	27	2.3	12	0	17.1	-	9.38	-	4	0
	21-end	38.1	-	8	7	14.2	9.5	11.9	-	7.6	24	0	75	19	5.3	24	0	14.3	-	3.74	-	5	1
	Month	90.1	116	19	14	15.9	9.8	12.8	-0.1	6.8	18	0	253	85	2.3	12	0	16.0	-0.2	5.57	94	5	4

Notes on the tables in January issue

TABLE 1 (Continued)

June, 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 <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	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	20.5	-	5	4	15.8	10.5	13.1	-	8.5	01	0	87	31	5.7	01	0	16.1	-	3.21	-	5	0
	11-20	11.9	-	4	4	14.5	8.7	11.6	-	4.8	15	0	74	18	2.6	15	0	16.2	-	7.14	-	6	0
	21-end	35.3	-	10	8	13.6	9.2	11.4	-	7.3	24	0	70	14	6.0	22	0	14.4	-	2.70	-	7	2
	Month	67.7	93	19	16	14.7	9.5	12.1	-1.3	4.8	15	0	231	63	2.6	15	0	15.5	-0.2	4.35	68	6	2
Claremorris e Co. Mayo	1-10	23.5	-	4	4	17.2	9.4	13.3	-	6.0	08	0	89	33	2.6	08	0	15.8	-	3.07	-	4	0
	11-20	9.2	-	4	3	17.2	7.0	12.1	-	4.6	11	0	77	22	2.5	20	0	15.7	-	6.36	-	4	0
	21-end	18.0	-	8	5	14.8	7.7	11.2	-	4.2	26	0	68	14	1.1	26	0	14.0	-	1.57	-	4	1
	Month	50.7	64	16	12	16.4	8.0	12.2	-0.8	4.2	26	0	234	69	1.1	26	0	15.1	-0.1	3.67	67	4	1
Glenamoy Co. Mayo	1-10	20.4	/	6	3	16.6	10.4	13.5	/	8.5	08	0	93	36	6.2	08	0	/	/	3.12	/	/	/
	11-20	14.0	/	4	4	15.3	7.7	11.5	/	4.2	15	0	71	15	0.9	13	0	/	/	6.58	/	/	/
	21-end	41.1	/	10	8	13.8	8.6	11.2	/	6.0	22	0	68	13	4.0	26	0	/	/	2.75	/	NA	/
	Month	75.5	/	20	15	15.3	8.9	12.1	/	4.2	15	0	232	64	0.9	13	0	/	/	4.15	/	/	/
Dunsany (Grange) Co. Meath	1-10	14.4	-	4	4	17.3	8.4	12.9	/	5.7	08	0	86	30	0.5	08	0	/	/	4.90	/	/	/
	11-20	14.3	-	5	3	16.8	6.2	11.5	/	1.5	13	0	71	17	-3.0	13	3	/	/	6.28	/	NA	/
	21-end	22.6	-	6	5	15.2	7.0	11.1	/	1.6	23	0	67	16	-2.5	23	1	/	/	2.13	/	/	/
	Month	51.3	93	15	12	16.4	7.2	11.8	/	1.5	13	0	224	63	-3.0	13	4	/	/	4.44	/	/	/
Clones e Co. Monaghan	1-10	15.3	-	4	4	17.3	10.0	13.6	-	7.2	09	0	92	36	4.2	08	0	15.2	-	5.33	-	4	1
	11-20	32.0	-	4	3	16.7	7.1	11.9	-	3.7	13	0	74	18	-2.2	13	2	14.5	-	6.15	-	3	0
	21-end	19.5	-	7	6	14.7	8.0	11.3	-	3.8	23	0	69	16	-1.6	23	1	13.2	-	1.81	-	4	1
	Month	66.8	89	15	13	16.2	8.3	12.3	-0.9	3.7	13	0	235	70	-2.2	13	3	14.3	-1.5	4.43	82	4	2
Birr e Co. Offaly	1-10	13.1	-	5	3	17.6	10.5	14.1	-	7.1	03	0	97	41	3.3	03	0	17.4	-	4.07	-	4	0
	11-20	16.1	-	4	3	17.8	7.1	12.4	-	4.3	11	0	81	25	-0.1	11	1	17.5	-	6.64	-	3	0
	21-end	20.9	-	8	6	14.9	8.4	11.6	-	5.2	24	0	73	18	3.3	22	0	14.0	-	1.41	-	4	1
	Month	50.1	93	17	12	16.7	8.7	12.7	-1.1	4.3	11	0	251	84	-0.1	11	1	16.3	-0.3	4.04	68	4	1
Thurles Co. Tipperary	1-10	20.7	-	5	4	17.7	10.5	14.1	-	6.9	03	0	97	41	0.5	03	0	/	/	4.50	/	/	/
	11-20	7.4	-	4	3	18.1	NA	-	-	NA	-	-	97	41	NA	-	-	/	/	8.24	/	/	/
	21-end	12.8	-	5	4	15.6	8.2	11.9	-	3.9	24	0	76	21	-0.8	26	1	/	/	2.64	/	/	/
	Month	40.9	64	14	11	17.1	-	-	-	-	-	-	-	-	-	-	-	/	/	5.13	/	/	/

Notes on the tables in January issue



TABLE 2

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

June, 1978

STATION	PERIOD	SOLAR RADIATION	P. E. (mm)	SOIL MOISTURE (mm)		
		Amount Joule/cm <sup>2</sup>	Amount	Deficit	Accumulated Deficit	Surplus
Carlow (Oak Park) Co. Carlow	1-10		16	3	47	-
	11-20		22	4	51	-
	21-end	-	21	3	54	-
	Month		59	-	-	-
Kinsealy* Co. Dublin	1-10	16918	28	15	62	-
	11-20	18827	40	8	70	-
	21-end	13894	11	-	64	6
	Month	49639	79	-	-	-
Cahiriveen <sup>e</sup> (Valentia Obsy.) Co. Kerry	1-10	17188	19	-	16	19
	11-20	22019	32	27	43	-
	21-end	16702	14	-	7	36
	Month	55909	65	-	-	-
Kilkenny <sup>e</sup> Co. Kilkenny	1-10	16558				
	11-20	21176				
	21-end	16082				
	Month	53816				
Ballinamore Co. Leitrim	1-10		30	1	54	-
	11-20		34	-	53	1
	21-end	-	15	-	47	6
	Month		79	-	-	-
Glenamoy <sup>l</sup> Co. Mayo	1-10		24	-	45	1
	11-20		32	12	57	-
	21-end	-	17	-	27	30
	Month		73	-	-	-
Birr <sup>e</sup> Co. Offaly	1-10	16837				
	11-20	20770				
	21-end	14011				
	Month	51618				
Johnstown Castle Co. Wexford	1-10		22	6	43	-
	11-20		32	13	56	-
	21-end	-	27	10	66	-
	Month		81	-	-	-

\*, <sup>l</sup>, See notes in January issue.