

METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

MAY 1977

The Weather of May

The first fortnight was cold with sunshine and scattered showers. Showers were heavy, with hail or thunder in places on 1st, 2nd, 6th, 12th and 13th. Day-time temperatures were about 3°C below normal. Sharp ground frosts were frequent and widespread. Air frost affected some areas on 1st, 2nd, 4th, 5th, 6th and also on 14th when 2°C to 3°C of air frost were recorded. Soil temperatures at 10 cm were about 2°C below normal, making growing conditions poor.

Between 15th and 19th air and soil temperatures rose gradually to normal values. There was some rain on 19th, chiefly in the West but otherwise it was a dry spell as a ridge of high pressure persisted over the country.

From 20th to 31st a high pressure centre near Scotland maintained a northeasterly windflow over Ireland. The low pressure centres stayed south of Ireland and caused a few outbreaks of thundery rain in Munster and the south-east of Leinster. Elsewhere the weather was dry and sunny. Except in some coastal districts air and soil temperatures were well above normal, the period 22nd to 29th being particularly warm. Soil moisture deficits rose sharply and towards the end of the month were limiting grass growth as values were between 50 mm and 65 mm (2 and $2\frac{1}{2}$ inches) in most areas. In the second half of the month ground frost was widespread between 15th and 18th and on 31st.

Mean Monthly Rainfall Amounts ranged from 25% to 45% of normal generally and did not exceed 60% of normal anywhere.

At the Phoenix Park it was the driest May since 1896.

Mean Daily Duration of Bright Sunshine was about normal in Munster and the south of Leinster but was approximately 125% of normal elsewhere. Amounts ranged from 8.3 hours at Belmullet to 6.3 hours at Cahirciveen (Valentia Observatory).

Mean Monthly Air Temperatures were from 0.5°C to 1.0°C below normal generally but in parts of the west values were close to normal. Soil temperatures were above normal in most areas, due to warm, sunny weather in the last ten days.

Summary. May was cool and very dry. Growing conditions were poor.

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.

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

MAY 1977

STATION	PERIOD	RAINFALL				TEMPERATURE											BRIGHT SUNSHINE		WIND		
		Amount mm	Percentage of Average %	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10cm)			Mean Daily Hr	Percentage of Average %	Mean Speed Kt	No. of Days with Gale Gusts	
						Mean Daily °C	Difference from Average °C	Lowest Minimum °C	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum °C	Day	No. of Days with Ground Frost	Mean Daily °C					Difference from Average °C
Carlow (Oak Park) Co. Carlow	1-10	8.9	-	8	4	8.8	-	1.5	04	0	45	4	-3.0	04	3	-	-	4.71	-	6	-
	11-20	11.9	-	3	2	9.5	-	0.3	18	0	51	7	-2.8	14	4	-	-	7.84	-	5	-
	21-end	0	-	0	0	13.4	-	2.5	31	0	99	38	-1.5	31	1	-	-	8.73	-	4	-
	Month	20.8	-	11	6	10.7	-	0.3	18	0	195	49	-3.0	04	8	-	-	7.15	-	5	-
Shannon Airport Co. Clare	1-10	11.0	-	6	3	9.4	-	2.3	05	0	50	5	-0.5	06	1	11.2	-	5.68	-	6	0
	11-20	6.6	-	4	3	10.5	-	2.0	14	0	61	11	-0.8	14	1	12.5	-	6.15	-	6	2
	21-end	4.5	-	1	1	14.8	-	6.5	21	0	115	53	4.0	22	0	16.1	-	7.35	-	6	0
	Month	22.1	35	11	7	11.7	+0.2	2.0	14	0	226	69	-0.8	14	2	13.3	+0.2	6.43	101	6	2
Fermoy (Moore Park) Co. Cork	1-10	16.7	-	5	4	7.8	-	-0.5	06	2	34	2	-4.6	05	7	-	-	5.26	-	6	-
	11-20	7.3	-	5	3	9.0	-	-1.0	19	2	47	7	-4.5	18	6	-	-	6.14	-	5	-
	21-end	5.0	-	3	2	13.3	-	1.4	31	0	98	37	-2.6	31	3	-	-	NA	-	5	-
	Month	29.0	-	13	9	10.1	-	-1.0	19	4	179	46	-4.6	05	16	-	-	-	-	5	-
Mallow Co. Cork	1-10	23.2	-	6	4	8.1	-	-2.0	05	2	38	1	-3.9	05	5	-	-	4.30	-	-	-
	11-20	12.3	-	5	5	9.5	-	-0.1	13	1	52	10	-2.5	13	4	-	-	5.29	-	-	-
	21-end	6.2	-	3	2	12.9	-	2.3	21	0	94	32	-0.5	31	2	-	-	NA	-	-	-
	Month	41.7	58	14	11	10.3	-	-2.0	05	3	184	43	-3.9	05	11	-	-	-	-	-	-
Roche's Point Co. Cork	1-10	13.1	-	6	4	9.0	-	3.6	02	0	47	3	0.1	02	0	10.8	-	6.43	-	9	0
	11-20	15.2	-	5	3	9.6	-	4.0	13	0	52	6	-1.3	18	2	11.9	-	7.49	-	10	2
	21-end	5.3	-	3	2	13.5	-	6.1	31	0	100	39	1.9	31	0	14.9	-	7.34	-	10	1
	Month	33.6	52	14	9	10.8	-0.5	3.6	02	0	199	48	-1.3	18	2	12.6	-0.4	7.09	107	10	3
Glencolumbkille Co. Donegal	1-10	12.1	-	7	4	8.5	-	2.5	05	0	41	1	-2.5	05	3	-	-	6.78	-	7	-
	11-20	12.2	-	3	2	8.5	-	0.3	15	0	41	4	-4.6	14	5	-	-	7.56	-	6	-
	21-end	0	-	0	0	14.0	-	5.0	31	0	106	45	-0.2	31	2	-	-	11.55	-	5	-
	Month	24.3	-	10	6	10.4	-	0.3	15	0	188	50	-4.6	14	10	-	-	8.73	-	6	-
Glenties Co. Donegal	1-10	25.4	-	7	6	7.6	-	-1.5	05	3	33	0	-3.0	06	4	-	-	5.91	-	-	-
	11-20	14.2	-	6	2	8.5	-	-2.5	14	3	42	7	-5.2	17	5	-	-	6.54	-	-	-
	21-end	0	-	0	0	13.4	-	2.7	31	0	99	37	-2.5	31	3	-	-	11.16	-	-	-
	Month	39.6	-	13	8	10.0	-	-2.5	14	6	174	44	-5.2	17	12	-	-	7.98	-	-	-

See January issue of Bulletin for explanatory notes on the tables.

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

MAY 1977

STATION	PERIOD	RAINFALL				TEMPERATURE										BRIGHT SUNSHINE		WIND			
		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10cm)		Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts		
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest	Grass Minimum	Day					No. of Days with Ground Frost	Mean Daily
mm	%			°C	°C	°C				°C			°C	°C	Hr	%	Kt				
Malin Head Co. Donegal	1-10	23.4	-	8	5	8.6	-	4.2	09	0	42	1	1.7	09	0	11.0	-	5.64	12	1	
	11-20	7.3	-	2	2	8.4	-	1.8	15	0	40	4	-1.7	15	2	12.1	-	8.17	11	3	
	21-end	0	-	0	0	11.7	-	5.3	31	0	80	19	2.3	21	0	16.7	-	10.85	9	0	
	Month	30.7	53	10	7	9.6	-0.6	1.8	15	0	162	24	-1.7	15	2	13.4	+1.3	8.30	124	11	4
Dublin Airport Co. Dublin	1-10	12.7	-	6	4	8.5	-	2.6	04	0	42	2	-1.4	03	3	10.3	-	4.90	8	1	
	11-20	9.7	-	3	3	8.9	-	1.1	14	0	45	5	-2.0	14	4	12.5	-	8.51	8	1	
	21-end	0.1	-	0	0	12.5	-	6.9	31	0	89	28	1.1	31	0	15.9	-	10.77	7	0	
	Month	22.5	39	9	7	10.0	-0.6	1.1	14	0	176	35	-2.0	14	7	13.0	+0.2	8.15	126	8	2
Kinsealy Co. Dublin	1-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.78	-	-	
	11-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.22	-	-	
	21-end	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	-	-	
	Month	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	-	-	
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	11.5	-	5	4	8.3	-	1.2	01	0	40	3	-2.2	01	4	-	-	4.85	-	5	
	11-20	5.1	-	2	2	8.5	-	-0.6	14	1	41	6	-3.5	14	5	-	-	8.89	-	5	
	21-end	0	-	0	0	12.2	-	3.0	31	0	86	25	0.1	31	0	-	-	10.85	-	5	
	Month	16.6	-	7	6	9.8	-	-0.6	14	1	167	34	-3.5	14	9	-	-	8.28	-	5	
Galway (Univ. Coll.) Co. Galway	1-10	18.2	-	6	5	9.2	-	3.6	05	0	48	3	-6.5	05	5	-	-	6.76	-	-	
	11-20	4.9	-	3	3	10.6	-	3.3	17	0	62	10	-3.5	15	6	-	-	7.44	-	NA	
	21-end	0.9	-	2	0	14.3	-	5.0	31	0	110	48	-2.5	31	3	-	-	8.48	-	-	
	Month	24.0	-	11	8	11.5	-	3.3	17	0	220	61	-6.5	05	14	-	-	7.59	-	-	
Killarney (Muckross Hse) Co. Kerry	1-10	15.7	-	8	4	8.0	-	-0.5	05	3	37	2	-2.5	05	4	-	-	3.91	-	-	
	11-20	21.0	-	6	4	9.1	-	0.6	14	0	47	6	-2.5	17	5	-	-	4.35	-	-	
	21-end	6.2	-	2	1	13.6	-	4.8	21	0	101	32	-0.8	22	1	-	-	6.25	-	-	
	Month	42.9	-	16	9	10.3	-	-0.5	05	3	185	40	-2.5	17	10	-	-	4.88	-	-	
Cahiroiveen (Valentia Obsy.) Co. Kerry	1-10	15.7	-	7	4	8.5	-	1.5	06	0	42	3	-0.1	05	1	11.3	-	6.09	-	7	0
	11-20	15.0	-	4	4	9.4	-	1.5	14	0	50	4	-1.2	14	3	12.1	-	6.40	-	9	3
	21-end	2.2	-	3	1	14.0	-	6.9	22	0	106	45	2.8	21	0	15.9	-	6.34	-	5	0
	Month	32.9	38	12	9	10.8	-0.7	1.5	14	0	198	52	-1.2	14	4	13.2	-0.1	6.28	96	7	3

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

MAY 1977

STATION	PERIOD	RAINFALL				TEMPERATURE										BRIGHT SUNSHINE		WIND			
		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND		SOIL (10cm)		Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts			
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day					No. of Days with Ground Frost	Mean Daily	Difference from Average
mm	%	°C	°C	°C					°C	°C	°C	°C	Hr	%	Kt						
Tralee (Caherweesheen) Co. Kerry	1-10	16.0	-	4	3	8.5	-	-0.3	06	3	41	6	-5.2	06	7	-	-	5.40	-	-	-
	11-20	6.7	-	4	3	9.8	-	0.2	14	0	55	10	-4.4	14	5	-	-	5.47	-	-	-
	21-end	2.9	-	2	1	14.6	-	4.7	21	0	112	51	1.8	21	0	-	-	7.08	-	-	-
	Month	25.6	-	10	7	11.1	-	-0.3	06	3	208	67	-5.2	06	12	-	-	6.02	-	-	-
Lullymore Co. Kildare	1-10	12.7	-	8	5	7.7	-	-0.4	02	2	33	2	-5.5	02	7	-	-	5.15	-	7	-
	11-20	11.7	-	3	3	NA	-	NA	NA	NA	NA	NA	NA	NA	-	-	-	6.96	-	6	-
	21-end	0	-	0	0	12.2	-	-0.1	31	1	86	26	-5.0	31	3	-	-	10.04	-	8	-
	Month	24.4	-	11	8	-	-	-	-	-	-	-	-	-	-	-	-	7.47	-	7	-
Kilkenny e Co. Kilkenny	1-10	21.8	-	8	3	8.2	-	-0.5	04	1	39	3	-4.7	04	7	10.1	-	4.76	-	5	0
	11-20	5.7	-	4	2	9.6	-	-0.5	18	1	52	8	-3.4	18	3	12.7	-	6.76	-	5	1
	21-end	0.2	-	0	0	13.4	-	1.2	31	0	99	39	-1.9	31	2	17.1	-	8.20	-	4	0
	Month	27.7	44	12	5	10.5	-0.6	-0.5	18	2	190	50	-4.7	04	12	13.4	+0.3	6.63	102	5	1
Mooncoin (Silverspring) Co. Kilkenny	1-10	18.8	-	5	4	8.5	-	-0.3	04	1	41	4	-5.5	04	8	-	-	5.87	-	3	3
	11-20	8.7	-	3	2	10.2	-	-0.2	18	1	58	10	-5.0	18	4	-	-	7.43	-	-	3
	21-end	2.1	-	3	1	13.7	-	1.5	31	0	103	42	-2.0	21	3	-	-	7.04	-	-	3
	Month	29.6	-	11	7	10.9	-	-0.3	04	2	202	56	-5.5	04	15	-	-	6.79	-	-	3
Ballinamore Co. Leitrim	1-10	8.4	-	4	4	8.2	-	-0.7	05	1	38	3	-6.0	05	7	-	-	5.77	-	6	-
	11-20	6.5	-	4	3	8.7	-	-2.6	14	2	44	4	-9.6	14	6	-	-	6.53	-	5	-
	21-end	0	-	0	0	13.5	-	1.1	31	0	101	39	-6.1	31	1	-	-	9.84	-	4	-
	Month	14.9	-	8	7	10.3	-	-2.6	14	3	183	46	-9.6	14	14	-	-	7.46	-	5	-
Ardee (Beharnanoe) Co. Louth	1-10	4.5	-	6	2	7.7	-	-0.9	01	1	33	1	-4.1	01	6	-	-	-	-	-	-
	11-20	2.9	-	5	2	7.9	-	-1.6	14	3	35	4	-4.9	18	6	-	-	-	-	-	-
	21-end	0	-	0	0	11.5	-	-0.1	31	1	78	17	-3.5	31	3	-	-	-	-	-	-
	Month	7.4	-	11	4	9.1	-	-1.6	14	5	146	22	-4.9	18	15	-	-	-	-	-	-
Ballinrobe (Creagh) Co. Mayo	1-10	22.9	-	7	5	8.8	-	2.8	03	0	45	2	-2.6	05	5	-	-	7.96	-	6	-
	11-20	6.3	-	3	2	9.4	-	-2.2	14	1	50	7	-5.1	14	4	-	-	7.35	-	5	-
	21-end	7.2	-	1	1	13.4	-	1.3	31	0	99	38	-1.6	31	2	-	-	9.35	-	5	-
	Month	36.4	-	11	8	10.7	-	-2.2	14	1	194	47	-5.1	14	11	-	-	8.25	-	5	-

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

MAY 1977

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		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR				GROUND			SOIL (10cm)			Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts		
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost					Mean Daily	Difference from Average
mm	%	°C	°C	°C					°C	°C	°C	Hr	%	Kt							
Belmullet Co. Mayo	1-10	10.2	-	6	3	8.9	-	2.3	05	0	46	2	-2.2	05	2	11.4	-	7.52	-	12	1
	11-20	8.3	-	4	4	9.2	-	0.5	14	0	48	3	-3.4	14	2	12.7	-	7.44	-	11	2
	21-end	0	-	0	0	13.7	-	6.0	22	0	102	41	0.7	22	0	16.9	-	9.66	-	9	0
	Month	18.5	29	10	7	10.7	-0.3	0.5	14	0	196	46	-3.4	14	4	13.8	+1.2	8.25	122	11	3
Claremorris Co. Mayo	1-10	12.4	-	6	4	8.3	-	-0.2	05	1	39	2	-5.4	05	5	10.1	-	6.83	-	6	0
	11-20	6.3	-	4	3	8.9	-	-1.9	14	1	45	6	-7.3	14	5	11.2	-	5.83	-	6	1
	21-end	0.7	-	0	0	13.4	-	2.0	31	0	100	38	-1.6	31	2	15.6	-	9.29	-	5	0
	Month	19.4	29	10	7	10.3	-0.2	-1.9	14	2	184	46	-7.3	14	12	12.4	+0.4	7.38	121	6	1
Glenties Co. Mayo	1-10	12.0	-	7	5	8.6	-	1.7	05	0	42	2	-0.5	05	2	-	-	6.34	-	NA	-
	11-20	14.3	-	4	3	8.8	-	-2.5	14	1	44	3	-4.9	14	3	-	-	6.89	-	NA	-
	21-end	0	-	0	0	13.4	-	2.4	22	0	99	37	-0.2	22	1	-	-	9.75	-	NA	-
	Month	26.3	-	11	8	10.3	-	-2.5	14	1	185	42	-4.9	14	6	-	-	7.73	-	NA	-
Dunsany (Grange) Co. Meath	1-10	7.4	-	6	4	7.4	-	-1.0	01	1	30	2	-5.0	02	5	-	-	NA	-	NA	-
	11-20	4.4	-	3	2	7.5	-	-2.5	14	3	32	2	-8.0	14	8	-	-	8.19	-	NA	-
	21-end	0.1	-	0	0	11.5	-	2.8	23	0	79	18	-2.6	31	3	-	-	10.43	-	NA	-
	Month	11.9	-	9	6	8.9	-	-2.5	14	4	141	22	-8.0	14	16	-	-	-	-	NA	-
Clonee Co. Monaghan	1-10	8.9	-	6	4	7.9	-	0.5	05	0	36	2	-3.1	05	4	9.4	-	4.89	-	7	1
	11-20	6.4	-	4	2	8.4	-	-0.3	17	1	40	3	-4.9	17	5	11.0	-	6.97	-	6	1
	21-end	0	-	0	0	13.0	-	3.6	31	0	95	33	-1.4	31	1	14.8	-	10.75	-	5	0
	Month	15.3	26	10	6	9.9	-0.6	-0.3	17	1	171	38	-4.9	17	10	11.8	-0.6	7.64	131	6	2
Birr Co. Offaly	1-10	8.9	-	5	4	8.3	-	-0.1	05	1	39	3	-3.2	05	5	10.9	-	5.58	-	7	0
	11-20	13.8	-	5	5	9.2	-	-0.8	18	2	47	6	-2.7	14	3	12.9	-	6.06	-	6	1
	21-end	0.2	-	0	0	13.3	-	1.6	31	0	98	36	-2.1	31	1	16.7	-	8.00	-	7	0
	Month	22.9	37	10	9	10.3	-0.7	-0.8	18	3	184	45	-3.2	05	9	13.4	+0.5	6.59	104	7	1
Thurles Co. Tipperary	1-10	17.0	-	7	3	8.2	-	-0.3	05	1	38	2	-5.3	05	8	-	-	6.31	-	-	-
	11-20	10.0	-	4	3	9.3	-	-0.6	18	2	49	8	-5.2	18	5	-	-	6.93	-	-	-
	21-end	1.5	-	1	1	13.3	-	1.5	31	0	98	36	-2.8	25	3	-	-	7.52	-	-	-
	Month	28.5	40	12	7	10.3	-0.7	-0.6	18	3	185	46	-5.3	05	16	-	-	6.94	-	-	-

See January issue of Bulletin for explanatory notes on the tables.

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE and WIND

MAY 1977

STATION	PERIOD	RAINFALL				TEMPERATURE										BRIGHT SUNSHINE		WIND			
		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10 cm)		Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts		
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost					Mean Daily	Difference from Average
mm	%	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	Hr	%	Kt					
Dungarvan (Ballygagin) Co. Waterford	1-10	11.8	-	6	4	9.1	-	2.6	04	0	47	4	-2.0	02	6	-	-	6.43	-	4	-
	11-20	11.3	-	4	3	10.1	-	1.6	18	0	57	10	-2.3	18	4	-	-	7.33	-	3	-
	21-end	7.0	-	2	2	14.1	-	5.4	31	0	107	46	NA	NA	-	-	-	NA	-	4	-
	Month	30.1	-	12	9	11.2	-	1.6	18	0	211	60	-	-	-	-	-	-	-	4	-
Mullingar Co. Westmeath	1-10	6.9	-	7	2	8.0	-	-0.4	05	1	36	2	-3.7	05	5	9.6	-	5.29	-	6	0
	11-20	11.2	-	5	4	8.5	-	0.6	14	0	41	3	-3.4	14	5	11.1	-	7.99	-	6	2
	21-end	0	-	0	0	12.8	-	3.6	31	0	93	31	-0.8	31	1	14.7	-	9.65	-	8	0
	Month	18.1	29	12	6	9.9	-0.9	-0.4	05	1	170	36	-3.7	05	11	11.9	-0.5	7.71	124	7	2
Campile (Ballysop) Co. Wexford	1-10	31.2	-	6	4	8.6	-	1.2	04	0	43	4	-3.1	04	7	-	-	6.06	-	-	-
	11-20	10.6	-	3	3	10.1	-	2.3	13	0	57	9	-2.1	13	1	-	-	7.43	-	NA	-
	21-end	3.6	-	2	2	14.2	-	6.6	31	0	108	46	3.4	31	0	-	-	8.61	-	-	-
	Month	45.4	-	11	9	11.1	-	1.2	04	0	208	59	-3.1	04	8	-	-	7.41	-	-	-
Clonroche Co. Wexford	1-10	16.9	-	8	5	8.2	-	0.7	01	0	38	2	-4.7	01	7	-	-	5.60	-	5	-
	11-20	2.4	-	3	1	9.9	-	2.1	13	0	55	8	-2.3	15	6	-	-	8.08	-	5	-
	21-end	0	-	0	0	13.3	-	5.9	31	0	97	36	0.9	31	0	-	-	9.24	-	5	-
	Month	19.3	-	11	6	10.5	-	0.7	01	0	190	46	-4.7	01	13	-	-	7.69	-	5	-
Johnstown Castle Co. Wexford	1-10	8.4	-	5	1	8.6	-	2.6	04	0	43	3	-2.0	06	5	-	-	6.06	-	6	-
	11-20	7.0	-	3	1	9.3	-	3.0	13	0	49	5	-1.5	15	1	-	-	7.65	-	6	-
	21-end	2.8	-	1	1	12.7	-	6.0	31	0	92	31	2.5	31	0	-	-	9.20	-	6	-
	Month	18.2	25	9	3	10.3	-	2.6	04	0	184	39	-2.0	06	6	-	-	7.68	-	6	-
Rosslare Co. Wexford	1-10	5.8	-	4	2	9.2	-	3.7	04	0	48	3	-0.6	06	2	11.0	-	6.89	-	9	0
	11-20	10.5	-	3	3	9.9	-	4.0	13	0	55	5	2.1	13	0	12.6	-	8.44	-	13	1
	21-end	2.4	-	1	1	12.1	-	9.8	31	0	85	24	6.2	31	0	15.5	-	9.08	-	15	0
	Month	18.7	30	8	6	10.5	-0.7	3.7	04	0	188	32	-0.6	06	2	13.1	-0.4	8.17	110	12	1

See January issue of Bulletin for explanatory notes on the tables.

TABLE 2.

SOLAR RADIATION (GLOBAL), POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE MAY 1977

STATION	PERIOD	SOLAR RADIATION	P.E.	SOIL MOISTURE		
		Amount	Amount	Deficit	Accumulated Deficit	Surplus
		Joule/cm ²	mm	mm	mm	mm
Carlow (Oak Park) Co. Carlow	1-10	-	12	3	3	-
	11-20	-	21	9	12	-
	21-end	-	37	37	49	-
	Month	-	70	-	-	-
Kinsealy* Co. Dublin	1-10	14407	18	8	8	-
	11-20	19578	21	15	23	-
	21-end	25843	41	41	64	-
	Month	59828	80	-	-	-
Cahirciveen e (Valentia Obsy.) Co. Kerry	1-10	17855	14	-	0	8
	11-20	18247	15	-	0	1
	21-end	19095	24	22	22	-
	Month	55197	53	-	-	-
Kilkenny e Co. Kilkenny	1-10	15823	-	-	-	-
	11-20	20297	-	-	-	-
	21-end	22644	-	-	-	-
	Month	58764	-	-	-	-
Ballinamore Co. Leitrim	1-10		21	13	13	-
	11-20		13	7	20	-
	21-end	NA	59	59	79	-
	Month		93	-	-	-
Glenamoy Co. Mayo	1-10	-	22	10	10	-
	11-20	-	23	9	19	-
	21-end	-	42	42	61	-
	Month	-	87	-	-	-
Birr e Co. Offaly	1-10	17554	-	-	-	-
	11-20	18974	-	-	-	-
	21-end	23891	-	-	-	-
	Month	60419	-	-	-	-
Johnstown Castle Co. Wexford	1-10	-	18	10	10	-
	11-20	-	23	16	26	-
	21-end	-	38	35	61	-
	Month	-	79	-	-	-

See January issue of Bulletin for explanatory notes on the tables. *Solar Radiation Values for Dublin Airport