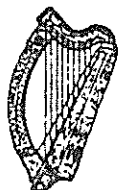


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## The Weather of August 1977

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# METEOROLOGICAL SERVICE



## AGROMETEOROLOGICAL BULLETIN

AUGUST 1977

### The Weather of August

Between 1st and 4th winds were light westerly and there was rain at times with air temperatures about normal. A dry spell occurred from 5th to 12th. Daytime temperatures were above normal but nights were cool and foggy. Between 13th and 16th there were occasional outbreaks of thundery rain confined chiefly to the south and west. Northeasterly winds gave dry weather in all areas from 16th to 19th. Soil moisture deficits over much of the eastern half of the country ranged from 85 to 105 mm during the first three weeks of August and there was little or no grass growth. In the west growing conditions were better.

On 20th and 21st there were thundery showers in a slack northeasterly windflow. The remainder of the month was more windy as the Atlantic pressure systems dominated our weather. A low pressure area which passed over the northwest of Ireland caused wet conditions between 23rd and 26th. From 27th to 29th it was mainly dry but on 30th a wave depression caused heavy rain over the south and east. At the end of the month soil moisture deficits had reduced to 55 mm or less and grass growth improved.

Mean Monthly Rainfall Amounts varied widely as there was localised thundery activity on quite a number of days between 13th and 30th. On 25th, Belmullet had 57 mm of rain while parts of the south had less than 2 mm. Between 21st and 31st most areas had about 70% of the month's rainfall; nearly all areas had at least 55% and some areas had more than 85% of the total in this period.

Mean Monthly Air Temperatures ranged from 0.2°C above normal to 0.4°C below normal but were 1.0°C below normal at Mullingar. Daytime temperatures were high on 1st and between 7th and 15th; on most other days temperatures were normal and only during the last week were daytime temperatures lower than normal. However, night-time temperatures were below normal and ground frost was reported at some stations on 6th, 7th, 8th, 11th, 19th, 23rd and 28th. Soil temperatures at 10 mm were well above normal in most areas, being 1.6°C above normal at Malin Head. In a few places soil temperatures were a little below normal.

Mean Daily Duration of Bright Sunshine varied from 81% of normal at Kilkenny to over 140% of normal at Clones and Malin Head but was between 100% and 116% of normal in most places.

Strong Winds affected many areas late on 23rd and on 24th and were accompanied by heavy rain. Gusts ranged from 95 to 56 kts both on 23rd and 24th and also for a time late on 28th and early on 29th.

Summary Due to lack of moisture, grass growth was very poor in the eastern half of the country during the first three weeks of August. By the end of the month grass growth had much improved but cereal harvesting was impeded by rain between 21st and 31st. There was less 'potato blight weather' than usual except near coasts in west Ulster and north Connaught. Significant blight spells occurred between 3rd and 5th and from 23rd to 26th.

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

August, 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
mm	%	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	Hr	%	Kt					
Carlow (Oak Park) Co. Carlow	1-10	2.8	-	2	2	15.0	-	4.4	06	0	106	50	-2.0	08	3	-	-	5.48	-	4	-
	11-20	8.2	-	3	3	15.9	-	5.0	19	0	115	59	-1.4	11	1	-	-	4.42	-	5	-
	21-end	84.8	-	6	5	14.5	-	5.5	23	0	111	50	-1.0	28	1	-	-	3.31	-	6	-
	Month	95.8	-	11	10	15.1	-	4.4	06	0	332	159	-2.0	08	5	-	-	4.37	-	5	-
Shannon Airport Co. Clare	1-10	24.6	-	4	4	15.8	-	8.4	06	0	114	58	4.9	07	0	17.8	-	4.89	-	5	0
	11-20	14.7	-	2	2	16.9	-	8.7	18	0	125	69	6.5	18	0	17.9	-	6.55	-	7	0
	21-end	54.1	-	8	6	14.9	-	9.3	27	0	116	55	6.9	27	0	16.3	-	3.85	-	8	3
	Month	93.4	121	14	12	15.8	+0.2	8.4	06	0	355	182	4.9	07	0	17.3	+0.6	5.06	102	7	3
Fermoy (Moore Park) Co. Cork	1-10	3.0	-	2	2	14.3	-	2.3	06	0	100	44	-2.4	06	2	-	-	5.39	-	4	-
	11-20	22.9	-	3	3	16.3	-	6.6	18	0	119	63	0.6	18	0	-	-	6.06	-	6	-
	21-end	50.6	-	7	6	14.3	-	4.5	28	0	107	48	-0.1	28	1	-	-	3.65	-	6	-
	Month	76.5	-	12	11	14.9	-	2.3	06	0	326	155	-2.4	06	3	-	-	4.99	-	5	-
Mallow Co. Cork	1-10	2.7	-	2	1	15.2	-	4.8	06	0	108	52	-0.1	06	1	-	-	NA	-	-	-
	11-20	30.9	-	6	3	16.9	-	8.0	18	0	127	71	3.4	18	0	-	-	5.05	-	-	-
	21-end	59.9	-	10	9	14.6	-	5.7	28	0	112	51	1.7	28	0	-	-	3.15	-	-	-
	Month	93.5	120	18	13	15.5	-	4.8	06	0	347	174	-0.1	06	1	-	-	-	-	-	-
Roche's Point Co. Cork	1-10	3.6	-	1	1	15.3	-	8.7	06	0	109	53	5.6	06	0	18.5	-	8.25	-	7	0
	11-20	13.7	-	4	3	16.8	-	11.2	18	0	125	69	8.9	15	0	18.2	-	6.14	-	9	0
	21-end	77.7	-	8	8	15.1	-	9.6	28	0	118	56	6.3	28	0	15.8	-	4.48	-	11	3
	Month	95.0	149	13	12	15.7	+0.2	8.7	06	0	352	178	5.6	06	0	17.4	+0.9	6.23	110	9	3
Clencolumbkille Co. Donegal	1-10	32.0	-	4	4	14.3	-	5.9	07	0	100	44	0.5	06	0	-	-	6.72	-	5	-
	11-20	14.1	-	4	4	16.0	-	7.8	20	0	116	60	1.5	20	0	-	-	6.91	-	6	-
	21-end	69.0	-	10	9	13.7	-	8.5	28	0	102	41	3.5	28	0	-	-	3.82	-	6	-
	Month	115.1	-	18	17	14.6	-	5.9	07	0	318	145	0.5	06	0	-	-	5.75	-	6	-
Glenties Co. Donegal	1-10	17.7	-	4	4	13.8	-	2.7	07	0	92	36	-3.5	06	3	-	-	5.94	-	-	-
	11-20	3.2	-	4	2	15.8	-	5.5	18	0	114	58	0.2	19	0	-	-	5.80	-	-	-
	21-end	51.1	-	10	8	13.5	-	6.0	27	0	100	38	0.0	27	0	-	-	3.39	-	-	-
	Month	72.0	63	18	14	14.3	-	2.7	07	0	306	132	-3.5	06	3	-	-	4.99	-	-	-

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

TABLE 1. (Continued)

## RAINFALL, TEMPERATURE, SUNSHINE AND WIND

August, 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	Hr	%	Kt					
Malin Head Co. Donegal	1-10	28.4	-	3	3	13.8	-	6.7	06	0	94	38	4.8	06	0	16.8	-	7.54	-	9	0
	11-20	0	-	0	0	15.3	-	8.9	20	0	109	53	4.9	20	0	18.5	-	8.19	-	10	0
	21-end	29.0	-	7	6	13.2	-	7.8	28	0	99	37	2.9	23	0	15.2	-	4.44	-	13	4
	Month	57.4	69	10	9	14.1	-0.1	6.7	06	0	302	128	2.9	23	0	16.7	+1.6	6.65	141	11	4
Dublin Airport Co. Dublin	1-10	7.3	-	3	2	15.1	-	8.9	08	0	108	52	3.1	09	0	18.7	-	7.36	-	6	0
	11-20	2.5	-	3	1	16.0	-	10.6	19	0	116	60	4.1	19	0	18.9	-	6.31	-	8	0
	21-end	58.3	-	8	7	14.4	-	7.7	28	0	111	49	2.7	28	0	16.0	-	4.09	-	9	1
	Month	68.1	95	14	10	15.2	+0.2	7.7	28	0	335	161	2.7	28	0	17.8	+1.4	5.86	113	8	1
Kinsealy Co. Dublin	1-10	6.1	-	3	2	14.5	-	5.9	06	0	101	45	2.0	06	0	-	-	6.85	-	5	-
	11-20	1.8	-	2	0	15.4	-	7.6	13	0	111	55	3.3	11	0	-	-	6.04	-	6	-
	21-end	56.7	-	7	5	15.7	-	5.7	28	0	110	48	2.5	28	0	-	-	4.28	-	7	-
	Month	64.6	-	12	7	14.7	-	5.7	28	0	322	148	2.0	06	0	-	-	5.68	-	6	-
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	13.1	-	4	4	14.2	-	4.8	06	0	98	42	2.2	06	0	-	-	6.77	-	3	-
	11-20	0.4	-	1	0	NA	-	NA	NA	NA	NA	NA	NA	NA	NA	-	-	NA	-	4	-
	21-end	70.3	-	8	6	14.1	-	4.6	28	0	107	46	1.4	28	0	-	-	4.14	-	5	-
	Month	83.8	-	13	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Galway (Univ. Coll.) Co. Galway	1-10	39.2	-	4	3	15.1	-	7.2	06	0	107	51	1.0	05	0	-	-	6.27	-	-	-
	11-20	13.2	-	3	2	17.0	-	9.5	19	0	127	71	8.2	20	0	-	-	6.65	-	NA	-
	21-end	63.2	-	10	7	14.7	-	10.3	27	0	114	53	2.0	21	0	-	-	4.52	-	-	-
	Month	115.6	-	17	12	15.6	-	7.2	06	0	348	175	1.0	05	0	-	-	5.77	-	-	-
Killarney (Huokress Hse) Co. Kerry	1-10	4.0	-	2	2	14.8	-	6.2	06	0	104	48	0.2	06	0	-	-	3.83	-	-	-
	11-20	9.6	-	4	3	16.3	-	7.3	19	0	119	63	0.1	18	0	-	-	5.09	-	-	-
	21-end	50.0	-	9	7	13.7	-	7.2	28	0	104	42	-0.3	28	1	-	-	3.54	-	-	-
	Month	63.6	-	15	12	14.9	-	6.2	06	0	327	153	-0.3	28	1	-	-	4.13	-	-	-
Cahiroiveen (Valentia Obsy.) Co. Kerry	1-10	5.8	-	4	1	14.8	-	6.4	06	0	104	48	4.5	06	0	18.2	-	6.57	-	7	1
	11-20	8.5	-	3	2	16.2	-	8.3	19	0	119	63	6.3	20	0	18.4	-	6.66	-	9	0
	21-end	41.2	-	9	8	14.1	-	8.1	21	0	107	45	5.0	28	0	15.6	-	3.94	-	9	3
	Month	55.5	58	16	11	15.0	-0.4	6.4	06	0	330	156	4.5	06	0	17.4	+0.8	5.66	116	8	3

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

TABLE 1. (Continued)

## RAINFALL, TEMPERATURE, SUNSHINE AND WIND

August, 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	°C	°C	°C	°C	°C	Hr	%	kt					
Tralee (Caherweesheen) Co. Kerry	1-10	7.9	-	3	3	15.4	-	6.3	06	0	110	54	2.0	06	0	-	-	-	-	-	
	11-20	16.5	-	3	3	16.4	-	6.0	18	0	120	64	1.8	18	0	-	-	-	-	-	
	21-end	52.5	-	9	7	14.3	-	7.2	27	0	109	48	4.0	23	0	-	-	-	-	-	
	Month	76.9	-	15	13	15.3	-	6.0	18	0	339	166	1.8	18	0	-	-	-	-	-	
Lullymore Co. Kildare	1-10	17.6	-	4	3	13.9	-	5.0	08	0	95	39	-0.5	07	2	-	-	6.28	-	5	-
	11-20	4.4	-	6	1	14.7	-	3.8	19	0	103	47	-1.6	19	2	-	-	4.83	-	6	-
	21-end	57.1	-	9	6	13.3	-	2.8	23	0	98	37	-2.1	28	2	-	-	3.22	-	7	-
	Month	79.1	-	19	10	13.9	-	2.8	23	0	296	123	-2.1	28	6	-	-	4.73	-	6	-
Kilkenny e Co. Kilkenny	1-10	2.9	-	3	1	14.7	-	4.0	07	0	103	47	0.1	07	0	18.9	-	6.13	-	3	0
	11-20	5.4	-	3	2	16.0	-	4.0	19	0	117	61	1.5	19	0	18.4	-	4.34	-	5	0
	21-end	61.9	-	7	6	14.0	-	3.8	28	0	105	44	0.5	28	0	15.2	-	2.70	-	5	0
	Month	70.2	103	13	9	14.8	-0.4	3.8	28	0	325	152	0.1	07	0	17.4	+0.6	4.34	81	4	0
Mooncoin (Silverspring) Co. Kilkenny	1-10	3.2	-	1	1	14.6	-	3.9	07	0	102	46	-2.1	07	2	-	-	6.88	-	-	-
	11-20	14.9	-	5	4	15.7	-	3.3	19	0	113	57	-0.8	19	1	-	-	4.70	-	-	-
	21-end	77.3	-	9	6	14.0	-	4.4	28	0	106	44	-0.7	28	1	-	-	3.33	-	-	-
	Month	95.4	-	15	11	14.7	-	3.3	19	0	321	147	-2.1	07	4	-	-	4.92	-	-	-
Ballinamore Co. Leitrim	1-10	34.4	-	4	4	13.9	-	3.5	07	0	95	39	-0.7	07	1	-	-	6.76	-	4	-
	11-20	3.3	-	3	3	15.2	-	5.2	19	0	109	53	1.9	19	0	-	-	5.97	-	3	-
	21-end	42.4	-	7	7	13.1	-	4.3	23	0	96	34	-0.5	28	1	-	-	2.84	-	5	-
	Month	80.1	-	14	14	14.0	-	3.5	07	0	300	126	-0.7	07	2	-	-	5.11	-	4	-
Ardee (Beharnanoe) Co. Louth	1-10	15.7	-	4	3	13.9	-	3.4	06	0	95	39	NA	NA	-	-	-	-	-	-	-
	11-20	3.6	-	1	1	14.9	-	5.2	18	0	105	49	-0.2	18	1	-	-	-	-	-	-
	21-end	75.2	-	8	6	13.3	-	4.1	28	0	99	37	-0.9	28	1	-	-	-	-	-	-
	Month	94.5	-	13	10	14.0	-	3.4	06	0	299	125	-	-	-	-	-	-	-	-	-
Ballinrobe (Creagh) Co. Mayo	1-10	13.7	-	2	2	14.1	-	4.9	07	0	98	42	0.6	07	0	-	-	4.84	-	3	-
	11-20	16.8	-	3	2	15.2	-	6.2	19	0	108	52	2.5	12	0	-	-	6.02	-	5	-
	21-end	87.9	-	9	9	13.8	-	6.2	27	0	104	42	2.7	29	0	-	-	3.70	-	5	-
	Month	118.4	-	14	13	14.4	-	4.9	07	0	310	136	0.6	07	0	-	-	4.82	-	4	-

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

TABLE 1. (Continued)

## RAINFALL, TEMPERATURE, SUNSHINE AND WIND

August, 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					
Belmullet Co. Mayo	1-10	19.8	-	4	3	14.2	-	6.3	06	0	98	42	2.1	06	0	17.4	-	6.39	-	9	0
	11-20	15.2	-	3	3	15.9	-	7.5	19	0	115	59	3.5	19	0	18.4	-	6.57	-	9	0
	21-end	106.6	-	9	7	13.9	-	9.1	21	0	104	43	6.0	21	0	15.7	-	3.86	-	12	6
	Month	141.6	159	16	13	14.6	-0.1	6.3	06	0	317	144	2.1	06	0	17.1	+1.2	5.55	108	10	6
Claremorris Co. Mayo	1-10	17.3	-	3	3	14.3	-	5.3	07	0	100	44	0.5	07	0	16.9	-	4.65	-	3	0
	11-20	10.6	-	2	2	15.7	-	7.5	19	0	113	57	2.8	19	0	17.2	-	6.36	-	5	0
	21-end	78.8	-	9	7	13.5	-	7.3	27	0	101	39	4.1	27	0	15.1	-	3.58	-	6	1
	Month	106.7	118	14	12	14.5	+0.1	5.3	07	0	314	140	0.5	07	0	16.4	+1.0	4.82	112	5	1
Glennagoy Co. Mayo	1-10	26.3	-	5	2	13.7	-	2.9	07	0	93	37	-1.0	06	2	-	-	4.46	-	NA	-
	11-20	34.0	-	3	3	15.2	-	4.9	19	0	108	52	1.9	19	0	-	-	5.75	-	NA	-
	21-end	72.5	-	9	8	13.6	-	6.3	23	0	102	40	3.4	23	0	-	-	3.24	-	NA	-
	Month	132.8	-	17	13	14.1	-	2.9	07	0	303	129	-1.0	06	2	-	-	4.44	-	NA	-
Dunsany (Grange) Co. Meath	1-10	15.3	-	3	3		-									-	-	7.16	-	NA	-
	11-20	0.6	-	2	0		-									-	-	5.68	-	NA	-
	21-end	71.3	-	8	6		-									-	-	3.23	-	NA	-
	Month	87.2	-	13	9		-									-	-	5.29	-	NA	-
Clones Co. Monaghan	1-10	25.0	-	4	3	14.2	-	5.2	07	0	98	42	1.2	07	0	16.2	-	7.21	-	5	0
	11-20	0.1	-	0	0	15.3	-	4.5	19	0	109	53	1.9	19	0	16.8	-	6.33	-	6	0
	21-end	63.1	-	8	7	13.3	-	5.6	23	0	98	36	2.6	28	0	14.3	-	3.26	-	6	2
	Month	88.2	104	12	10	14.2	-0.1	4.5	19	0	305	131	1.2	07	0	15.7	00	5.53	142	6	2
Birr Co. Offaly	1-10	18.5	-	4	3	14.5	-	3.6	07	0	101	45	0.7	07	0	18.0	-	5.66	-	5	0
	11-20	8.9	-	4	3	15.8	-	3.8	19	0	114	58	1.1	19	0	18.1	-	6.04	-	7	0
	21-end	79.5	-	6	6	14.0	-	6.4	28	0	106	44	2.3	28	0	15.5	-	3.39	-	7	3
	Month	106.9	132	14	12	14.7	-0.4	3.6	07	0	321	147	0.7	07	0	17.1	+0.7	4.98	100	6	3
Thurles Co. Tipperary	1-10	7.1	-	3	3	15.2	-	7.0	07	0	108	52	3.8	09	0	-	-	5.70	-	-	-
	11-20	33.1	-	4	4	15.6	-	7.8	18	0	113	57	3.6	19	0	-	-	5.50	-	-	-
	21-end	50.5	-	8	5	13.9	-	5.3	28	0	105	43	1.6	28	0	-	-	3.81	-	-	-
	Month	90.7	115	15	12	14.9	-0.1	5.3	28	0	326	152	1.6	28	0	-	-	4.96	-	-	-

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE and WIND

August, 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	°C	Hr	%	Kt				
Dungarvan (Ballygagin) Co. Waterford	1-10	4.9	-	1	1	15.3	-	6.1	06	0	110	54	4.0	06	0	-	-	7.14	-	3	-
	11-20	9.5	-	4	2	16.5	-	7.8	19	0	121	65	4.5	19	0	-	-	5.31	-	3	-
	21-end	103.5	-	8	7	14.7	-	6.9	28	0	114	52	4.3	28	0	-	-	3.72	-	3	-
	Month	117.9	-	13	10	15.5	-	6.1	06	0	345	171	4.0	06	0	-	-	5.34	-	3	-
Mullingar Co. Westmeath	1-10	18.9	-	3	3	13.8	-	4.0	07	0	94	38	2.0	07	0	16.5	-	6.99	-	5	0
	11-20	5.7	-	3	1	15.1	-	4.5	19	0	107	51	1.7	19	0	16.7	-	5.66	-	7	0
	21-end	51.6	-	8	7	12.8	-	4.0	23	0	96	34	0.3	28	0	14.4	-	3.70	-	7	0
	Month	76.2	94	14	11	13.8	-1.0	4.0	07	0	297	123	0.3	28	0	15.8	-0.2	5.39	115	6	0
Campile (Ballysop) Co. Wexford	1-10	7.4	-	1	1	14.9	-	7.6	06	0	106	50	4.4	06	0	-	-	6.62	-		-
	11-20	9.1	-	4	2	15.9	-	6.4	19	0	115	59	3.2	19	0	-	-	5.05	-	NA	-
	21-end	101.9	-	8	7	14.3	-	5.7	28	0	115	53	2.4	28	0	-	-	3.71	-		-
	Month	118.4	-	13	10	15.0	-	5.7	28	0	336	162	2.4	28	0	-	-	5.08	-		-
Clonroche Co. Wexford	1-10	6.6	-	1	1	14.4	-	7.0	07	0	100	44				-	-	6.77	-	4	
	11-20	2.9	-	2	2	15.6	-	6.3	19	0	113	57				-	-	4.42	-	4	
	21-end	92.7	-	9	6	13.6	-	5.3	28	0	102	40				-	-	4.24	-	5	
	Month	102.2	-	12	9	14.5	-	5.3	28	0	315	141				-	-	5.11	-	4	
Johnstown Castle Co. Wexford	1-10	11.0	-	1	1	14.6	-	8.0	06	0	102	46	2.2	07	0	-	-	7.08	-	6	-
	11-20	2.2	-	2	1	15.9	-	9.9	19	0	115	59	5.4	11	0	-	-	4.47	-	5	-
	21-end	80.7	-	9	7	14.5	-	7.0	28	0	111	50	3.0	28	0	-	-	4.92	-	8	-
	Month	93.9	114	12	9	15.0	-	7.0	28	0	328	155	2.2	07	0	-	-	5.17	-	6	-
Rosslare Co. Wexford	1-10	7.2	-	1	1	15.1	-	10.3	07	0	107	51	6.2	07	0	19.0	-	8.84	-	9	1
	11-20	1.5	-	2	0	16.0	-	11.0	19	0	117	61	8.9	12	0	19.0	-	5.46	-	12	3
	21-end	48.2	-	8	6	14.9	-	9.2	28	0	116	54	4.3	28	0	16.3	-	5.21	-	12	3
	Month	56.9	82	11	7	15.3	-0.1	9.2	28	0	340	166	4.3	28	0	18.0	+0.7	6.46	101	11	7

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

TABLE 2.

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

August, 1977

STATION	PERIOD	SOLAR RADIATION	P.E.	SOIL MOISTURE		
		Amount	Amount	Deficit	Accumulated Deficit	Surplus
		Joule/cm <sup>2</sup>	mm	mm	mm	mm
Carlow (Oak Park) Co. Carlow	1-10	-				
	11-20	-				
	21-end	-	NOT	AVAILABLE		
	Month	-				
Kinsealy* Co. Dublin	1-10	17,614	29	1	98	-
	11-20	15,295	35	7	105	-
	21-end	12,228	20	-	52	53
	Month	45,137	84	-	-	-
Cahiriveen e (Valentia Obsy.) Co. Kerry	1-10	17,523	21	15	47	-
	11-20	16,527	28	14	61	-
	21-end	13,072	17	-	38	23
	Month	47,122	66	-	-	-
Kilkenny e Co. Kilkenny	1-10	17,432	-	-	-	-
	11-20	14,687	-	-	-	-
	21-end	13,257	-	-	-	-
	Month	45,286	-	-	-	-
Ballinamore Co. Leitrim	1-10		22	-	38	20
	11-20		33	27	65	-
	21-end	NA	24	-	37	28
	Month		79	-	-	-
Glenamoy Co. Mayo	1-10	-	28	1	27	-
	11-20	-	18	-	11	16
	21-end	-	16	-	0	56
	Month	-	62	-	-	-
Birr e Co. Offaly	1-10	17,037	-	-	-	-
	11-20	16,966	-	-	-	-
	21-end	13,488	-	-	-	-
	Month	47,491	-	-	-	-
Johnstown Castle Co. Wickford	1-10	-	39	5	88	-
	11-20	-	42	13	101	-
	21-end	-	32	-	27	74
	Month	-	113	-	-	-

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