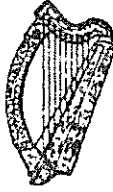


METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

DECEMBER 1976

The Weather in December

The first ten days were cold, bright and frosty with scattered showers, some of hail or snow. Winds were variable in direction during the first four days as low pressure areas moved eastwards across or to the south of Ireland. During 5th a southerly gale developed and there was rain. From 6th to 8th there was a return to bright weather with wintry showers but westerly winds decreased the severity of the frosts. On 9th and 10th, with winds becoming light and variable, sharp to severe air frost returned.

The second ten days were dull with occasional rain. From 11th to 16th Ireland came under the influence of a maritime southeasterly windflow. Air frost was much less in evidence and day-time temperatures were higher. Between 17th and 20th, as winds became easterly and then variable, there was more of a continental influence and temperatures dropped. During 21st the Atlantic southeasterly influence reasserted itself and from 22nd to 24th it was relatively mild. From 25th to 28th winds were predominantly from the north or northeast and it was frosty with scattered wintry showers. Between 29th and 31st it remained cold but some active fronts crossed the country, giving rain turning to sleet or snow in places.

Mean Monthly Air Temperatures were well below normal. It was the coldest December since 1950 with mean air temperatures 2°C to 3°C below normal. Air frosts were frequent inland and were severe in some areas on 5th, 9th, 27th, 28th and 29th.

Mean Monthly Amounts of Precipitation were less than 85% of normal in most places. In West Munster and in South Connaught amounts were a little above normal. Mullingar had less than 55% of normal rainfall. Snow and hail fell between 1st and 10th and between 27th and 31st. From 25-37 mm (1 to $1\frac{1}{2}$ inches) of rain fell in some areas near the west and south coasts on 29th or early on 30th.

Mean Daily Duration of Bright Sunshine ranged from 0.6 hours at Clones to 2.0 hours at Roche's Point. Near coasts in Connaught and Munster amounts of sunshine were above normal; elsewhere they were below normal.

Strongest Winds occurred on 1st, 6th and 29th. Gusts of 50 to 65 kts were recorded near the south coast but the general range of gusts was from 35 to 50 kts.

Summary. December was very cold. Rainfall was below normal in most areas.

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

December, 1976

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					
Carlow (Oak Park) Co. Carlow	1-10	17.2	-	3	3	1.9	-	-4.0	05	6	1	0	-8.5	10	10	-	-	1.84	-	5	-
	11-20	18.1	-	5	4	3.9	-	-1.6	11	4	4	0	-5.6	18	5	-	-	0.54	-	3	-
	21-end	38.0	-	7	4	2.3	-	-3.5	28	7	3	0	-7.2	29	10	-	-	1.70	-	4	-
	Month	73.3	-	15	11	2.7	-	-4.0	05	17	8	0	-8.5	10	25	-	-	1.37	-	4	-
Shannon Airport e Co. Clare	1-10	43.6	-	8	6	3.5	-	-2.1	05	3	3	0	-4.7	04	8	4.1	-	1.11	-	8	3
	11-20	29.3	-	6	5	4.7	-	-2.0	18	2	11	0	-5.1	18	4	4.8	-	1.44	-	6	0
	21-end	36.8	-	7	5	3.0	-	-3.2	26	4	4	0	-8.2	26	8	3.3	-	1.40	-	7	0
	Month	109.7	103	21	16	3.7	-2.4	-3.2	26	9	18	0	-8.2	26	20	4.0	-1.7	1.32	94	7	3
Fermoy (Moore Park) Co. Cork	1-10	32.9	-	6	5	2.2	-	-5.3	10	8	1	0	-9.8	09	10	-	-	1.86	-	5	-
	11-20	14.6	-	4	3	4.1	-	-3.9	18	4	8	0	-8.8	18	5	-	-	0.89	-	4	-
	21-end	76.5	-	6	6	2.4	-	-5.4	27	7	2	0	-10.8	27	10	-	-	1.43	-	5	-
	Month	124.0	-	16	14	2.8	-	-5.4	27	19	11	0	-10.8	27	25	-	-	1.39	-	5	-
Mallow Co. Cork	1-10	57.1	-	7	6	2.4	-	-4.4	05	6	2	0	-5.6	09	9	-	-	1.65	-	-	-
	11-20	21.9	-	6	4	4.0	-	-3.3	11	3	9	0	-4.7	11	6	-	-	0.48	-	-	-
	21-end	80.9	-	7	6	1.9	-	-5.0	27	7	2	0	-8.0	29	10	-	-	1.80	-	-	-
	Month	159.9	140	20	16	2.8	-	-5.0	27	16	13	0	-8.0	29	25	-	-	1.33	-	-	-
Roche's Point e Co. Cork	1-10	29.4	-	7	5	4.5	-	-1.0	05	1	5	0	-5.2	05	7	4.3	-	2.65	-	12	5
	11-20	15.8	-	6	4	6.6	-	-2.2	11	0	23	0	-2.3	11	1	6.1	-	1.12	-	11	0
	21-end	72.1	-	6	6	4.6	-	-1.0	27	3	8	0	-6.0	29	7	4.3	-	2.08	-	12	4
	Month	117.3	116	19	15	5.2	-2.1	-1.0	05	4	36	0	-6.0	29	15	4.9	-1.8	1.95	118	12	9
Glencolumbkille Co. Donegal	1-10	72.1	-	10	10	3.5	-	-0.5	04	2	3	0	-4.0	10	7	-	-	1.58	-	-	-
	11-20	15.0	-	8	5	4.5	-	1.0	20	0	6	0	-2.0	20	2	-	-	0.23	-	NA	-
	21-end	70.8	-	9	8	3.5	-	-1.5	21	4	4	0	-3.9	28	9	-	-	1.07	-	-	-
	Month	157.9	-	27	23	3.8	-	-1.5	21	6	13	0	-4.0	10	18	-	-	0.96	-	-	-
Glenties Co. Donegal	1-10	49.7	-	9	8	1.5	-	-5.7	04	7	0	0	-9.0	10	9	-	-	1.36	-	-	-
	11-20	11.1	-	6	3	4.0	-	-1.0	11	2	4	0	-4.0	20	6	-	-	0.23	-	-	-
	21-end	66.1	-	7	7	2.7	-	-4.5	28	6	4	0	-9.0	21	9	-	-	1.04	-	-	-
	Month	126.9	72	22	18	2.8	-	-5.7	04	15	8	0	-9.0	10	24	-	-	0.88	-	-	-

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

December, 1976

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	45.9	-	9	9	3.4	-	-2.7	04	3	2	0	-4.3	04	8	2.2	-	1.99	-	13	4
	11-20	27.7	-	8	6	4.4	-	1.5	11	0	5	0	-0.5	11	4	4.0	-	0.27	-	11	0
	21-end	18.8	-	6	5	4.8	-	0.1	31	0	10	0	-2.5	31	2	3.8	-	0.65	-	15	6
	Month	92.4	77	23	20	4.2	-2.2	-2.7	04	3	17	0	-4.3	04	14	3.3	-	0.96	97	13	10
Dublin Airport Co. Dublin	1-10	9.6	-	5	4	2.1	-	-1.9	05	6	1	0	-6.7	10	8	2.4	-	2.24	-	11	3
	11-20	27.0	-	6	6	4.7	-	-1.2	11	1	4	0	-5.0	13	4	3.9	-	0.23	-	6	0
	21-end	12.0	-	7	5	3.3	-	-2.5	28	4	6	0	-5.2	28	7	3.2	-	1.10	-	11	0
	Month	48.6	64	18	15	3.4	-2.4	-2.5	28	11	11	0	-6.7	10	19	3.2	-1.4	1.19	72	9	3
Kinsealy Co. Dublin	1-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-end	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Month	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	10.1	-	4	2	1.5	-	-5.2	10	8	0	0	-8.9	10	10	-	-	2.31	-	6	-
	11-20	21.0	-	6	5	3.4	-	-2.0	12	5	2	0	-5.5	17	7	-	-	0.13	-	3	-
	21-end	13.6	-	7	6	2.6	-	-3.5	28	5	2	0	-8.1	28	10	-	-	1.06	-	6	-
	Month	44.7	-	17	13	2.5	-	-5.2	10	18	4	0	-8.1	28	27	-	-	1.16	-	5	-
Galway (Univ. Coll.) Co. Galway	1-10	44.1	-	9	6	2.8	-	-2.0	04	5	2	0	-10.0	09	9	-	-	1.36	-	-	-
	11-20	24.0	-	8	4	4.6	-	-1.0	18	2	10	0	-7.5	20	6	-	-	0.99	-	NA	-
	21-end	63.5	-	7	7	2.8	-	-1.5	26	3	1	0	-8.0	26	9	-	-	1.00	-	-	-
	Month	131.6	-	24	17	3.4	-	-2.0	04	10	13	0	-10.0	09	24	-	-	1.11	-	-	-
Killarney (Nuokross Hse) Co. Kerry	1-10	107.7	-	10	8	3.6	-	-4.3	05	4	3	0	-10.2	05	10	-	-	0.70	-	-	-
	11-20	18.8	-	7	3	5.0	-	-1.8	11	2	12	0	-7.7	18	7	-	-	1.39	-	-	-
	21-end	93.6	-	9	8	2.7	-	-5.2	28	6	3	0	-10.0	28	10	-	-	1.09	-	-	-
	Month	220.1	-	26	19	3.8	-	-5.2	28	12	18	0	-10.2	05	27	-	-	1.06	-	-	-
Oahiroiveen (Valentia Obsy.) Co. Kerry	1-10	89.9	-	10	9	5.2	-	-2.3	05	3	10	0	-4.6	05	3	5.0	-	1.34	-	13	7
	11-20	24.2	-	7	6	6.5	-	0.1	20	0	23	0	-2.2	20	4	5.9	-	1.12	-	9	1
	21-end	74.9	-	8	7	4.1	-	-4.3	27	4	9	0	-6.2	27	8	3.4	-	2.02	-	10	3
	Month	189.0	110	25	22	5.2	-2.6	-4.3	27	7	42	0	-6.2	27	15	4.7	-2.1	1.51	115	11	11

See January issue of Bulletin for explanatory notes on the tables

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

December, 1976

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 4.0°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	83.4	-	8	7	3.3	-	-3.8	05	5	2	0	-7.6	05	9	-	-	0.88	-	-	-
	11-20	21.3	-	6	6	4.0	-	-1.8	18	3	5	0	-6.7	20	5	-	-	1.17	-	-	-
	21-end	66.6	-	8	8	1.5	-	-7.6	28	8	2	0	-12.3	28	11	-	-	1.35	-	-	-
	Month	171.3	-	22	21	2.9	-	-7.6	28	16	9	0	-12.3	28	25	-	-	1.14	-	-	-
Lullymore Co. Kildare	1-10	21.5	-	5	4	0.8	-	-4.2	10	10	0	0	-9.8	10	10	-	-	1.44	-	4	-
	11-20	17.3	-	6	4	3.2	-	-1.6	12	4	3	0	-6.2	12	6	-	-	0.68	-	5	-
	21-end	23.3	-	9	5	1.9	-	-4.1	28	7	2	0	-9.6	26	10	-	-	1.26	-	7	-
	Month	62.1	-	20	13	2.0	-	-4.2	10	21	5	0	-9.8	10	26	-	-	1.13	-	5	-
Kilkenny Co. Kilkenny	1-10	18.0	-	4	3	1.5	-	-6.5	05	7	1	0	-9.8	05	10	1.8	-	1.69	-	4	2
	11-20	13.9	-	5	4	3.9	-	-3.3	11	5	6	0	-6.4	18	5	3.1	-	0.54	-	3	0
	21-end	25.4	-	7	6	2.7	-	-5.6	29	6	2	0	-9.2	29	10	2.2	-	1.62	-	4	2
	Month	57.3	61	16	13	2.5	-2.8	-6.5	05	18	9	0	-9.8	05	25	2.3	-2.3	1.29	84	4	4
Mooncoin (Silverspring) Co. Kilkenny	1-10	25.4	-	5	3	1.8	-	-5.7	05	8	3	0	-8.8	05	10	-	-	2.05	-	-	-
	11-20	8.8	-	9	3	4.3	-	-3.6	11	4	8	0	-5.5	17	5	-	-	0.50	-	-	-
	21-end	45.1	-	6	6	2.9	-	-5.7	29	6	4	0	-9.6	29	10	-	-	1.56	-	-	-
	Month	79.3	-	20	12	3.0	-	-5.7	05	18	15	0	-9.6	29	25	-	-	1.38	-	-	-
Ballinamore Co. Leitrim	1-10	30.0	-	8	6	0.8	-	-5.0	05	8	0	0	-6.9	10	9	-	-	0.90	-	4	-
	11-20	31.3	-	7	5	3.0	-	-1.4	11	2	1	0	-1.4	11	6	-	-	0.13	-	2	-
	21-end	39.3	-	7	5	2.0	-	-4.0	28	6	1	0	-9.0	28	10	-	-	0.97	-	4	-
	Month	100.6	-	22	16	1.9	-	-5.0	05	16	2	0	-9.0	28	25	-	-	0.68	-	3	-
Ardee (Beharnamee) Co. Louth	1-10	13.6	-	5	2	0.9	-	-4.7	10	7	0	0	-8.2	05	10	-	-	-	-	-	-
	11-20	49.8	-	6	6	2.9	-	-3.7	12	4	2	0	-6.0	12	5	-	-	-	-	-	-
	21-end	20.8	-	6	4	2.3	-	-4.9	28	7	3	0	-8.3	28	10	-	-	-	-	-	-
	Month	84.2	-	17	12	2.0	-	-4.9	28	18	5	0	-8.3	28	25	-	-	-	-	-	-
Ballinrobe (Creagh) Co. Mayo	1-10	47.6	-	9	7	2.2	-	-5.8	05	8	3	0	-9.9	04	10	-	-	0.99	-	4	-
	11-20	23.2	-	6	5	3.3	-	-5.1	18	4	3	0	-8.4	20	6	-	-	0.74	-	4	-
	21-end	92.5	-	9	8	2.9	-	-4.2	26	11	0	0	-10.5	28	11	-	-	1.12	-	5	-
	Month	163.3	-	24	20	2.8	-	-5.8	05	23	6	0	-10.5	28	27	-	-	0.95	-	4	-

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

December, 1976

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 Gales 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	Hr	%	Kt						
Reinholdlet Co. Mayo	1-10	42.8	-	9	9	4.0	-	-2.7	10	1	4	0	-5.9	10	5	3.8	-	1.69	-	9	3
	11-20	29.8	-	7	5	4.8	-	-2.3	20	1	10	0	-4.8	20	3	4.8	-	0.76	-	6	0
	21-end	43.7	-	9	7	3.4	-	-2.4	21	3	2	0	-5.6	21	7	3.1	-	1.82	-	9	1
	Month	116.3	83	25	21	4.1	-2.7	-2.7	10	5	16	0	-5.9	10	15	3.9	-2.2	1.44	130	8	4
Claremorris Co. Mayo	1-10	36.9	-	9	5	1.3	-	-5.6	05	6	0	0	-8.5	05	10	2.3	-	0.93	-	4	1
	11-20	21.1	-	6	5	3.6	-	-2.9	11	3	5	0	-6.0	20	4	3.7	-	0.86	-	4	0
	21-end	74.5	-	7	6	1.9	-	-3.5	28	7	2	0	-8.0	31	10	2.3	-	1.14	-	6	0
	Month	132.5	102	22	16	2.3	-2.9	-5.6	05	16	7	0	-8.5	05	24	2.8	-1.7	0.98	77	5	1
Glennace Co. Mayo	1-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-end	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Month	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dunsany (Granra) Co. Meath	1-10	11.4	-	5	4	0.7	-	-4.1	10	8	0	0	-12.0	09	10	-	-	1.37	-	-	-
	11-20	19.0	-	7	5	3.5	-	-2.0	11	1	2	0	-6.3	12	6	-	-	0.13	-	NA	-
	1-end	28.3	-	8	5	2.0	-	-4.6	28	6	3	0	-13.5	28	11	-	-	1.04	-	-	-
	Month	58.7	-	20	14	2.1	-	-4.6	28	15	5	0	-13.5	28	27	-	-	0.85	-	-	-
Clonea Co. Monaghan	1-10	15.5	-	5	4	0.7	-	-4.2	05	7	0	0	-6.9	03	8	3.0	-	0.90	-	7	2
	11-20	36.3	-	5	5	3.4	-	-1.7	11	2	2	0	-2.0	11	4	4.1	-	0.02	-	5	0
	21-end	22.0	-	6	4	1.7	-	-4.7	28	8	1	0	-6.9	28	8	3.2	-	0.81	-	7	2
	Month	73.8	74	16	13	2.0	-2.8	-4.7	28	17	3	0	-6.9	03	20	3.4	-0.8	0.58	50	6	4
Birr Co. Offaly	1-10	25.7	-	6	4	1.9	-	-3.8	05	6	0	0	-7.5	09	10	2.3	-	1.37	-	7	3
	11-20	13.7	-	3	3	4.0	-	-4.7	18	3	6	0	-7.4	18	4	3.6	-	0.84	-	5	0
	21-end	17.0	-	5	5	2.4	-	-5.1	28	6	4	0	-8.9	28	10	2.6	-	1.51	-	7	0
	Month	56.4	64	14	12	2.7	-2.6	-5.1	28	15	10	0	-8.9	28	24	2.8	-1.9	1.25	94	6	3
Thurles Co. Tipperary	1-10	21.2	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	15.8	-	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-end	26.6	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Month	63.6	61	14	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE and WIND

December, 1976

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	26.5	-	5	4	2.6	-	-4.2	05	7	3	0	-10.6	09	10	-	-	2.34	-	4	-
	11-20	10.7	-	5	4	5.6	-	-2.8	11	1	13	0	-9.3	11	6	-	-	0.79	-	4	-
	21-end	58.8	-	7	6	3.5	-	-5.2	29	5	8	0	-11.5	29	10	-	-	2.26	-	4	-
	Month	96.0	-	17	14	3.9	-	-5.2	29	13	24	0	-11.5	29	26	-	-	1.81	-	4	-
Mullingar Co. Westmeath	1-10	14.0	-	5	4	1.0	-	-4.8	05	7	0	0	-8.3	09	10	2.1	-	1.44	-	7	2
	11-20	12.6	-	5	4	3.3	-	-3.0	11	4	2	0	-5.0	11	4	3.2	-	0.62	-	5	0
	21-end	26.1	-	6	5	1.9	-	-3.8	28	7	2	0	-7.1	31	10	2.5	-	1.24	-	7	2
	Month	52.7	52	16	13	2.1	-2.7	-4.8	05	18	4	0	-8.3	09	24	2.6	-1.6	1.10	75	6	4
Campile (Ballyasp) Co. Wexford	1-10	20.0	-	4	3	2.5	-	-5.5	05	8	2	0	-9.6	05	10	-	-	2.41	-	-	-
	11-20	15.2	-	7	3	4.7	-	-3.5	11	1	8	0	-6.5	11	5	-	-	0.30	-	-	-
	21-end	60.1	-	6	6	3.4	-	-3.5	29	6	4	0	-9.9	29	10	-	-	1.62	-	NA	-
	Month	95.3	-	17	12	3.5	-	-5.5	05	15	14	0	-9.9	29	25	-	-	1.45	-	-	-
Clonroche Co. Wexford	1-10	22.8	-	4	4	1.8	-	-3.3	05	9	0	0	-8.9	10	10	-	-	2.34	-	4	-
	11-20	11.9	-	6	4	4.0	-	-2.6	11	1	3	0	-7.1	11	5	-	-	0.56	-	3	-
	21-end	56.7	-	7	6	2.6	-	-5.1	29	7	2	0	-11.4	29	9	-	-	1.37	-	4	-
	Month	91.4	-	17	14	2.8	-	-5.1	29	17	5	0	-11.4	29	24	-	-	1.42	-	4	-
Johnstown Castle Co. Wexford	1-10	29.5	-	4	3	2.8	-	-4.0	06	7	2	0	-10.5	09	10	-	-	2.95	-	6	-
	11-20	10.4	-	6	4	5.0	-	-2.4	11	1	9	0	-10.0	11	5	-	-	0.55	-	4	-
	21-end	51.7	-	6	6	3.5	-	-2.5	21	6	6	0	-10.0	22	9	-	-	1.58	-	7	-
	Month	91.6	78	16	13	3.8	-	-4.0	06	14	17	0	-10.5	09	24	-	-	1.69	-	6	-
Rosslare Co. Wexford	1-10	30.9	-	4	4	3.8	-	-1.7	05	3	5	0	-5.9	05	7	3.1	-	3.03	-	10	5
	11-20	6.5	-	5	2	5.9	-	-1.6	11	1	17	0	-3.7	11	2	4.9	-	0.51	-	9	0
	21-end	52.7	-	7	6	4.8	-	-2.3	29	4	14	0	-4.9	28	6	3.8	-	1.55	-	12	4
	Month	90.1	90	16	12	4.9	-2.2	-2.3	29	8	36	0	-5.9	05	15	3.9	-2.1	1.69	90	10	9

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

TABLE 2.

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

December, 1976

STATION	PERIOD	SOLAR RADIATION	P. E.	SOIL MOISTURE		
		Amount Joule/cm ²	Amount	Deficit	Accumulated Deficit	Surplus
Carlow (Oak Park) Co. Carlow	1-10	-	2	-	0	15
	11-20	-	-1	-	0	19
	21-end	-	9	-	0	30
	Month	-	10	-	-	-
Kingscary* Co. Dublin	1-10	2539		NOT AVAILABLE		
	11-20	1003				
	21-end	2025				
	Month	5567				
Cabirciveen e (Valentin Obsy.) Co. Kerry	1-10	2129	-11	-	0	103
	11-20	1589	-2	-	0	25
	21-end	2202	11	-	0	59
	Month	5920	-2	-	-	-
Kilkenny e Co. Kilkenny	1-10	2375	-	-	-	-
	11-20	1220	-	-	-	-
	21-end	2225	-	-	-	-
	Month	5820	-	-	-	-
Ballinamore Co. Leitrim	1-10		5	-	0	25
	11-20		-1	-	0	32
	21-end	NA	3	-	0	36
	Month		7	-	-	-
Glenamoy Co. Mayo	1-10	-		NOT AVAILABLE		
	11-20	-				
	21-end	-				
	Month	-				
Birr e Co. Offaly	1-10	2524	-	-	-	-
	11-20	1646	-	-	-	-
	21-end	2595	-	-	-	-
	Month	6765	-	-	-	-
Johnstown Castle Co. Wexford	1-10	-	-3	-	0	32
	11-20	-	1	-	0	10
	21-end	-	12	-	0	40
	Month	-	10	-	-	-

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