

METEOROLOGICAL SERVICE



METEOROLOGICAL OFFICE,
ROSSLARE,
CO. WEXFORD.

AGMETBL (02) 460

AGROMETEOROLOGICAL BULLETIN

OCTOBER 1977

The Weather of October

There were westerly winds between 1st and 4th and the weather was unsettled. A low pressure area moved eastwards near the south coast on 5th and 6th causing very heavy rain in the southeast and a northeasterly windflow to develop. Between 8th and 12th the Atlantic depressions moved along their more usual track to the north of Ireland. A high cell over the continent developed sufficiently to block the eastward movement of the Atlantic depressions between 13th and 22nd and to maintain Ireland in a mild southerly windflow. Between 14th and 17th the Atlantic rain-belts were slow-moving near the southwest; Valentia Observatory averaged over 30 mm of rain a day while Dublin Airport had dry weather. Between 18th and 22nd the rainbelts began to move eastwards as the blocking action of the continental anticyclone weakened. In the period 23rd to 31st winds alternated between south and west as the Atlantic depressions resumed their usual course. The weather was blustery and changeable with heavy rain on 23rd and 30th.

Mean Monthly Rainfall Amounts ranged from over 200% of normal near the south coast to less than 90% of normal in the northeast. Near the south coast the highest 24-hour rainfall varied from 45 mm to 85 mm; some areas had three 24-hour periods with more than 45 mm of rain and Clonroche had two 24-hour periods with rainfall in excess of 73 mm. Near the west coast the most rain in a period of 24 hours was between 35 mm and 45 mm; elsewhere it was mostly less than 25 mm (1 inch).

Mean Monthly Air Temperatures were above normal by from 0.8°C to 1.9°C. Day-time temperatures were above normal. There was no air frost and ground frosts were few except in parts of the southeast. Soil temperatures at 10 cm ranged from 0.4°C to 1.0°C above normal and grass growth was good.

Strong Winds affected many areas on 1st, 6th, 11th, 12th, 19th and between 23rd and 31st. The range of gusts was from 35 KTS to 55 KTS generally but some gusts of between 60 KTS and 70 KTS were recorded in the northwest.

Mean Daily Duration of Bright Sunshine ranged from 1.6 hours at Belmullet and Claremorris to 3.2 hours at Rosslare and was below normal. The west and south were dull, recording only between 55% and 70% of normal sunshine; elsewhere amounts varied between 74% and 96% of normal.

Summary. October was dull but mild with above normal rainfall 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

October, 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 Abr 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
Carlow (Oak Park) Co. Carlow	1-10	54.6	-	8	5	10.4	-	4.5	10	0	60	9	-2.0	02	2	-	-	3.73	-	7	-
	11-20	13.9	-	5	2	13.1	-	5.2	13	0	87	31	-0.6	13	1	-	-	1.44	-	9	-
	21-end	84.2	-	8	6	11.2	-	5.0	25	0	75	15	0.5	28	0	-	-	3.24	-	10	-
	Month	152.7	-	21	13	11.6	-	4.5	10	0	222	55	-2.0	02	3	-	-	2.82	-	9	-
Shannon Airport Co. Clare	1-10	32.1	-	10	7	11.3	-	3.7	06	0	69	16	0.0	06	0	12.1	-	2.31	-	10	2
	11-20	19.7	-	6	5	14.0	-	8.3	12	0	96	40	6.1	12	0	13.0	-	0.75	-	13	2
	21-end	40.1	-	9	6	11.9	-	7.1	25	0	83	22	2.1	25	0	11.8	-	2.03	-	12	2
	Month	91.9	102	25	18	12.4	+1.7	3.7	06	0	248	78	0.0	06	0	12.3	+1.0	1.71	59	12	6
Fermoy (Moore Park) Co. Cork	1-10	43.2	-	9	7	10.2	-	0.7	06	0	62	9	-3.0	10	5	-	-	2.76	-	6	-
	11-20	27.2	-	8	6	13.3	-	5.0	13	0	90	34	-1.0	13	1	-	-	0.93	-	6	-
	21-end	87.9	-	9	7	10.8	-	2.7	25	0	70	14	-1.3	25	3	-	-	2.05	-	7	-
	Month	158.3	-	26	20	11.4	-	0.7	06	0	222	57	-3.0	10	9	-	-	1.92	-	6	-
Mallow Co. Cork	1-10	29.8	-	9	7	10.4	-	0.0	06	0	61	11	-2.8	06	2	-	-	2.69	-	-	-
	11-20	44.0	-	10	6	13.8	-	7.4	13	0	94	38	3.9	13	0	-	-	0.99	-	-	-
	21-end	101.3	-	11	8	10.6	-	3.4	25	0	69	11	-0.3	28	1	-	-	2.09	-	-	-
	Month	175.1	181	31	21	11.6	-	0.0	06	0	224	60	-2.8	06	3	-	-	1.93	-	-	-
Roche's Point Co. Cork	1-10	60.9	-	4	4	11.5	-	6.1	06	0	72	17	3.2	10	0	12.1	-	3.55	-	12	3
	11-20	27.4	-	8	6	13.4	-	9.4	11	0	91	35	5.7	13	0	12.9	-	0.95	-	15	2
	21-end	116.8	-	7	7	11.8	-	7.4	31	0	82	20	1.8	25	0	11.7	-	2.05	-	17	7
	Month	205.1	235	19	17	12.2	+0.8	6.1	06	0	245	72	1.8	25	0	12.2	+0.4	2.18	68	15	12
Glencolumbkille Co. Donegal	1-10	108.6	-	10	10	10.6	-	4.5	06	0	61	7	1.5	03	0	-	-	2.30	-	9	-
	11-20	63.5	-	9	8	13.4	-	8.5	11	0	91	35	2.7	13	0	-	-	0.68	-	11	-
	21-end	77.4	-	11	8	11.4	-	7.0	23	0	77	17	0.9	23	0	-	-	1.35	-	10	-
	Month	249.5	-	30	26	11.8	-	4.5	06	0	229	59	0.9	23	0	-	-	1.44	-	10	-
Glenties Co. Donegal	1-10	103.3	-	10	9	10.0	-	2.3	06	0	57	5	-1.5	06	1	-	-	2.21	-	-	-
	11-20	50.8	-	9	6	13.2	-	6.7	13	0	89	33	0.2	13	0	-	-	1.29	-	-	-
	21-end	79.4	-	11	9	10.9	-	4.5	23	0	71	13	-1.2	23	1	-	-	1.27	-	-	-
	Month	233.5	154	30	24	11.4	-	2.3	06	0	217	51	-1.5	06	2	-	-	1.58	-	-	-

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

October, 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
Malin Head Co. Donegal	1-10	62.8	-	9	8	10.5	-	6.5	06	0	61	7	2.6	06	0	10.4	-	2.48	-	16	6
	11-20	10.2	-	4	2	13.7	-	8.0	13	0	93	37	5.3	13	0	11.8	-	1.27	-	18	7
	21-end	29.2	-	9	8	11.7	-	7.1	31	0	80	20	5.3	23	0	10.7	-	1.43	-	19	11
	Month	102.2	90	22	18	11.9	+1.4	6.5	06	0	234	64	2.6	06	0	11.0	+0.7	1.72	74	18	24
Dublin Airport Co. Dublin	1-10	34.3	-	7	5	10.8	-	5.3	10	0	64	10	3.1	10	0	11.3	-	3.84	-	10	1
	11-20	2.4	-	2	1	13.6	-	8.1	13	0	93	37	1.5	13	0	12.3	-	1.79	-	11	3
	21-end	39.8	-	7	5	11.9	-	5.7	31	0	83	22	2.3	25	0	11.7	-	2.93	-	13	5
	Month	76.5	110	16	11	12.1	+1.8	5.3	10	0	240	69	1.5	13	0	11.8	+1.3	2.85	88	11	9
Kinscally Co. Dublin	1-10	36.4	-	6	5	10.7	-	4.4	10	0	63	9	-	-	-	-	-	4.31	-	8	-
	11-20	3.1	-	2	1	13.1	-	6.9	13	0	87	31	-	-	-	-	-	NA	-	10	-
	21-end	35.3	-	7	4	11.9	-	5.9	25	0	83	22	NA	NA	-	-	-	3.17	-	9	-
	Month	74.8	-	15	10	11.9	-	4.4	10	0	233	62	-	-	-	-	-	-	-	-	9
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	40.7	-	8	6	11.0	-	3.8	10	0	65	10	2.7	10	0	-	-	3.53	-	6	-
	11-20	6.5	-	2	2	13.5	-	5.3	13	0	92	36	0.2	13	0	-	-	2.02	-	7	-
	21-end	57.2	-	7	5	11.8	-	6.8	28	0	81	21	4.6	25	0	-	-	2.90	-	10	-
	Month	104.4	-	17	13	12.1	-	3.8	10	0	238	67	0.2	13	0	-	-	2.82	-	8	-
Galway (Univ. Coll.) Co. Galway	1-10	32.0	-	9	6	11.3	-	5.6	06	0	69	14	-1.8	06	2	-	-	2.99	-	-	-
	11-20	50.9	-	7	6	13.7	-	7.7	12	0	94	38	5.5	13	0	-	-	1.21	-	-	-
	21-end	47.2	-	9	7	11.8	-	7.2	31	0	82	21	0.8	23	0	-	-	2.25	-	NA	-
	Month	130.1	-	25	19	12.3	-	5.6	06	0	245	73	-1.8	06	2	-	-	2.15	-	-	-
Killarney (Muckross Res.) Co. Kerry	1-10	58.9	-	9	8	10.7	-	3.7	10	0	63	11	-2.5	10	2	-	-	3.04	-	-	-
	11-20	115.1	-	10	9	13.8	-	6.7	11	0	94	38	1.8	13	0	-	-	1.58	-	-	-
	21-end	145.3	-	10	9	11.9	-	7.5	31	0	82	22	-1.4	25	1	-	-	1.95	-	-	-
	Month	319.3	-	29	26	12.1	-	3.7	10	0	239	71	-2.5	10	3	-	-	2.18	-	-	-
Cahiriveen (Valentia Obay.) Co. Kerry	1-10	69.2	-	9	9	11.4	-	5.9	06	0	71	15	3.4	06	0	12.3	-	3.10	-	11	5
	11-20	151.2	-	9	8	13.9	-	8.7	11	0	95	39	7.0	13	0	13.3	-	0.99	-	16	6
	21-end	99.3	-	10	8	12.0	-	8.2	31	0	85	23	5.5	25	0	11.9	-	1.55	-	15	8
	Month	319.7	246	28	25	12.4	+0.8	5.9	06	0	251	77	3.4	06	0	12.5	+0.8	1.87	66	14	19

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

October, 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				
mm	%	°C	°C	°C					°C	°C	°C	°C	Hr	%	Kt				
Tralee (Caherweesheen) Co. Kerry	1-10	36.2	-	9	8	11.4	-	3.6	10	0	70	16	-0.1	10	1	-	-	-	-
	11-20	110.8	-	9	5	13.9	-	6.8	13	0	95	39	2.9	13	0	-	-	-	-
	21-end	121.6	-	10	8	12.5	-	6.9	25	0	89	28	2.0	25	0	-	-	-	-
	Month	268.6	-	28	21	12.6	-	3.6	10	0	254	83	-0.1	10	1	-	-	-	-
Lullymore Co. Kildare	1-10	46.0	-	9	6	9.8	-	2.5	10	0	54	6	-2.5	10	3	-	-	3.05	8
	11-20	19.2	-	5	2	12.8	-	2.6	13	0	83	30	1.0	13	0	-	-	1.43	10
	21-end	77.2	-	9	6	10.6	-	4.9	25	0	69	12	-0.8	25	1	-	-	3.03	11
	Month	142.4	-	23	14	11.1	-	2.5	10	0	206	48	-2.5	10	4	-	-	2.52	10
Kilkenny Co. Kilkenny	1-10	46.3	-	8	4	9.9	-	2.1	10	0	56	8	-2.4	10	4	10.7	-	2.66	5
	11-20	23.3	-	6	4	13.4	-	2.3	13	0	90	36	-1.4	13	1	12.3	-	0.97	7
	21-end	90.7	-	7	7	11.0	-	3.1	25	0	73	16	-2.4	28	2	11.1	-	2.18	8
	Month	160.3	200	21	15	11.4	+1.5	2.1	10	0	219	60	-2.4	10	7	11.4	+0.9	1.95	66
Mooncoin (Silverspring) Co. Kilkenny	1-10	66.3	-	7	4	10.3	-	2.5	10	0	59	9	-2.0	10	2	-	-	3.64	-
	11-20	31.8	-	7	5	13.3	-	4.7	13	0	89	33	-1.3	13	1	-	-	1.32	-
	21-end	94.8	-	7	7	10.8	-	1.9	25	0	71	15	-3.6	28	3	-	-	2.40	-
	Month	192.9	-	21	16	11.4	-	1.9	25	0	219	57	-3.6	28	6	-	-	2.45	-
Ballinamore Co. Leitrim	1-10	42.8	-	9	8	10.3	-	3.9	06	0	59	8	-2.8	06	2	-	-	2.99	-
	11-20	31.5	-	8	4	12.7	-	3.2	13	0	83	28	-2.9	13	1	-	-	1.37	-
	21-end	37.3	-	9	7	10.4	-	3.8	23	0	67	11	-2.8	23	3	-	-	2.03	NA
	Month	111.6	-	26	19	11.1	-	3.2	13	0	209	47	-2.9	13	6	-	-	2.13	-
Ardee (Beharnamos) Co. Louth	1-10																		
	11-20																		
	21-end																		
	Month																		
Ballinrobe (Creagh) Co. Mayo	1-10	54.4	-	10	10	10.6	-	3.1	06	0	63	10	-1.2	06	2	-	-	2.67	7
	11-20	80.2	-	8	7	13.1	-	6.8	13	0	87	31	3.1	13	0	-	-	1.24	9
	21-end	90.8	-	11	10	11.3	-	5.7	23	0	76	16	1.7	25	0	-	-	1.60	9
	Month	225.4	-	29	27	11.6	-	3.1	06	0	226	57	-1.2	06	2	-	-	1.83	8

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

October, 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 4.0°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					
Belmullet e Co. Mayo	1-10	67.0	-	10	7	10.7	-	5.6	06	0	63	9	2.1	06	0	11.2	-	2.34	-	15	4
	11-20	58.9	-	9	6	13.4	-	7.7	11	0	90	34	6.5	12	0	12.5	-	1.08	-	17	2
	21-end	54.3	-	10	8	11.9	-	7.0	31	0	82	22	3.8	31	0	11.4	-	1.39	-	21	9
	Month	180.2	150	29	21	12.0	+1.2	5.6	06	0	235	65	2.1	06	0	11.7	+0.6	1.59	56	18	15
Claremorris e Co. Mayo	1-10	48.9	-	10	9	10.0	-	2.7	06	0	57	6	-1.6	10	2	10.7	-	2.35	-	10	0
	11-20	81.4	-	9	7	13.0	-	6.5	13	0	86	30	4.1	13	0	12.1	-	1.17	-	13	2
	21-end	56.7	-	10	8	10.7	-	4.4	31	0	69	11	0.5	25	0	10.7	-	1.38	-	13	5
	Month	187.0	170	29	24	11.2	+1.5	2.7	06	0	212	47	-1.6	10	2	11.2	+1.0	1.63	64	12	7
Glenamoy Co. Mayo	1-10	85.9	-	10	10	10.4	-	3.9	06	0	61	7	0.9	06	0	-	-	2.28	-	-	-
	11-20	51.7	-	8	6	13.4	-	7.4	12	0	90	34	5.0	13	0	-	-	1.29	-	NA	-
	21-end	79.4	-	10	8	12.3	-	5.0	31	0	74	15	2.4	23	0	-	-	1.70	-	NA	-
	Month	217.0	-	28	24	11.6	-	3.9	06	0	225	56	0.9	06	0	-	-	1.75	-	-	-
Dunsany (Grange) Co. Meath	1-10	29.5	-	8	6	9.9	-	3.5	10	0	55	5	1.0	10	0	-	-	3.27	-	-	-
	11-20	15.3	-	3	2	12.9	-	5.5	13	0	85	29	2.5	13	0	-	-	2.12	-	NA	-
	21-end	73.9	-	8	6	11.9	-	4.5	25	0	74	12	-1.2	25	1	-	-	3.35	-	NA	-
	Month	118.7	-	19	14	11.2	-	3.5	10	0	214	46	-1.2	25	1	-	-	2.93	-	-	-
Clones e Co. Monaghan	1-10	27.9	-	7	7	10.1	-	3.3	06	0	58	8	-0.8	06	1	10.6	-	3.19	-	10	2
	11-20	24.1	-	7	4	13.1	-	5.8	13	0	87	31	2.2	13	0	11.7	-	1.58	-	10	3
	21-end	24.5	-	8	6	10.8	-	4.5	31	0	63	13	1.6	25	0	10.8	-	2.19	-	12	6
	Month	76.5	86	22	17	11.3	+1.9	3.3	06	0	208	52	-0.8	06	1	11.0	+0.9	2.32	95	11	11
Birr e Co. Offaly	1-10	29.4	-	7	6	10.1	-	2.5	06	0	58	8	-1.3	06	2	10.8	-	2.21	-	8	0
	11-20	21.6	-	5	4	13.4	-	7.3	13	0	91	35	3.8	13	0	12.3	-	1.14	-	11	2
	21-end	44.7	-	9	7	11.1	-	5.0	31	0	74	15	3.0	25	0	11.1	-	2.15	-	10	3
	Month	95.7	114	21	17	11.5	+1.6	2.5	06	0	223	58	-1.3	06	2	11.4	+0.9	1.84	62	10	5
Thurles Co. Tipperary	1-10	44.3	-	7	6		-														
	11-20	25.6	-	9	4		-														
	21-end	80.3	-	8	7	NA	-														
	Month	150.2	170	24	17		-														

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE and WIND

October, 1977

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		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
Dungarvan (Ballygagin) Co. Waterford	1-10	61.7		8	6	10.7	-	4.2	10	0	63	10	0.4	10	0	-	-	2.84			
	11-20	34.2		9	7	13.4		5.8	13	0	90	34	0.9	13	0	-	-	1.82		NA	
	21-end	120.6		8	7	11.4		3.5	25	0	77	18	1.2	28	0	-	-	2.39			
	Month	216.5		25	20	11.8		3.5	25	0	230	62	0.4	10	0	-	-	2.35			
Mullingar e Co. Westmeath	1-10	28.2		8	6	9.6		3.3	06	0	53	5	-0.6	06	1	10.4		2.79		10	1
	11-20	20.8		6	3	12.7		4.5	13	0	84	28	0.1	13	0	11.7		1.32		13	2
	21-end	44.1		8	5	10.3		3.6	25	0	65	10	0.5	25	0	10.7		2.34		12	6
	Month	93.1	101	22	14	10.9	+1.3	3.3	06	0	202	43	-0.6	06	1	10.9	+0.7	2.15	77	12	9
Campile (Ballysop) Co. Wexford	1-10	143.5		5	5	10.2		3.8	10	0	58	7	-0.3	10	1	-	-	3.13			
	11-20	19.2		4	4	13.4		8.6	13	0	90	34	3.1	13	0	-	-	1.64		NA	
	21-end	93.1		8	7	11.2		4.7	25	0	75	16	-0.5	28	1	-	-	2.58			
	Month	255.8		17	16	11.6		3.8	10	0	223	57	-0.5	28	2	-	-	2.45			
Clonroche Co. Wexford	1-10	108.1		8	5	9.9		3.9	10	0	55	6						3.82		5	
	11-20	25.9		4	4	12.9		6.1	13	0	85	29						1.87		6	
	21-end	127.0		8	7	10.7		3.0	28	0	70	13			NA			3.27		7	
	Month	261.0		20	16	11.1		3.0	28	0	210	48						2.89		6	
Jehnstown Castle Co. Wexford	1-10	98.4		7	4	10.7		4.6	10	0	63	9	-1.4	10	2	-	-	4.65		7	
	11-20	19.9		5	3	13.5		9.0	13	0	91	35	2.5	13	0	-	-	2.20		11	
	21-end	101.9		9	9	11.5		5.9	25	0	79	18	1.0	28	0	-	-	2.95		12	
	Month	220.2	218	21	16	11.9		4.6	10	0	233	62	-1.4	10	2	-	-	3.25		10	
Rosslare e Co. Wexford	1-10	91.1		5	3	11.4		4.7	10	0	70	14	-1.3	10	1	11.7		4.51		11	4
	11-20	19.8		4	4	13.9		9.9	12	0	95	39	6.6	13	0	13.1		2.12		14	2
	21-end	80.6		9	5	12.2		6.9	28	0	86	24	3.7	28	0	12.1		3.05		14	8
	Month	191.5	222	18	12	12.5	+1.2	4.7	10	0	251	77	-1.3	10	1	12.3	+0.7	3.22	85	13	14

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

TABLE 2.

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

October, 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	-	26	-	2	29
	11-20	-	11	-	0	3
	21-end	-	NA	-	0	NA
	Month	-	-	-	-	-
Kinsely * Co. Dublin	1-10	8032	2	-	21	35
	11-20	4912	4	-	20	1
	21-end	5946	10	-	0	25
	Month	18890	16	-	-	-
Cahiriveen e (Valentia Obsy.) Co. Kerry	1-10	7256	1	-	0	61
	11-20	3723	10	-	0	145
	21-end	3682	6	-	0	81
	Month	14661	17	-	-	-
Kilkenny e Co. Kilkenny	1-10	7321	-	-	-	-
	11-20	4054	-	-	-	-
	21-end	5326	-	-	-	-
	Month	16701	-	-	-	-
Ballinamore Co. Leitrim	1-10	-	-2	-	0	44
	11-20	NA	19	-	0	12
	21-end	-	5	-	0	32
	Month	-	22	-	-	-
Glenamoy Co. Mayo	1-10	-	-1	-	0	87
	11-20	-	-3	-	0	55
	21-end	-	1	-	0	78
	Month	-	-3	-	-	-
Birr e Co. Offaly	1-10	6861	-	-	-	-
	11-20	4980	-	-	-	-
	21-end	5499	-	-	-	-
	Month	17340	-	-	-	-
Johnstown Castle Co. Wexford	1-10	-	NA	-	0	NA
	11-20	-	11	-	0	9
	21-end	-	24	-	0	78
	Month	-	-	-	-	-

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